UNIVERSAL
LIBRARY

OU_172980

UNIVERSAL
LIBRARY

OSMANIA UNIVERSITY LIBRARY

Call No. R 378.058/A78Y Accession No. 35442

Author Association of Universities of the British Commonwealth

Title Year book of the Universities of the Commonwealth, 1953

This book should be returned on or before the date last marked below.

THE YEARBOOK OF THE UNIVERSITIES OF THE COMMONWEALTH

1955

Attention is drawn to the following recent publications of the Association :

Seventh Congress of Universities of the Commonwealth, 1953 : *Report of Proceedings*. 1954; £1 : 1s.

Home Universities Conference, 1954 : *Report of Proceedings*, 1955 ; 2s 6d. Companion Reports for annual Conferences from 1946 to 1952. (1946 and 1950 Reports out of print.) 1947 to 1949, 1s. 6d. each ; 1951, 2s. ; 1952, 2s. 6d.

The Planning of University Halls of Residence : Report of Commission appointed by Committee of Vice-Chancellors and Principals of Great Britain and Ireland. (Clarendon Press, Oxford, 1948.) Out of print.

In conjunction with the British Council :

Higher Education in the United Kingdom : A Handbook for Students from Overseas. (Longmans, Green and Co., 1954.) 4s.

Copies of *Reports* of some previous Congresses and of many earlier issues of the *Yearbook* are also available. Details from the Secretary of the Association.

THE YEARBOOK OF THE UNIVERSITIES OF THE COMMONWEALTH

1955

FIRST PUBLISHED 1914
THIRTY-SECOND ISSUE

THE ASSOCIATION OF UNIVERSITIES
OF THE BRITISH COMMONWEALTH
1955

THE OFFICE OF THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH IS SITUATED AT NO. 36 GORDON SQUARE, LONDON, W.C.1 (NEAR THE UNIVERSITY OF LONDON SENATE HOUSE AND UNIVERSITY COLLEGE).

The Executive Council of the Association welcomes members of staff of any member Commonwealth University visiting London, and wishes to place at their disposal the facilities of the Association's office, which include a Common Room, the use of a Committee Room for interviews, etc. Overseas visitors are especially requested to register their names and addresses with the Secretary, who circulates regularly to interested bodies in the United Kingdom lists of academic visitors, and who will on request receive the mail of such travellers and readdress it as required.

Published May 1955

PREFACE

THIS is the thirty-second edition of a work which first appeared in 1914 as the *Yearbook of the Universities of the Empire* and was known for many years as the *Universities Yearbook*, the present short title of *Commonwealth Universities Yearbook* having first appeared on the spine of the 1951 edition. Throughout this period of publication—which has been continuous except for a break during the Second World War —the *Yearbook* has been sponsored by the organization set up and maintained by the Universities themselves, viz. the Association of Universities of the British Commonwealth (formerly the Universities Bureau of the British Empire), in whose office the contents have been edited each year. The Association recognizes the value of the numerous international handbooks on Universities that are now issued by various public and proprietary bodies but feels that it can refer with some pride to the long-standing record and to the comprehensiveness of its own publication, covering as it does several countries of the world with substantial achievements in University development. There are to-day in the Commonwealth 111 University institutions which have been granted degree-giving rights in their respective countries; of these, 22 are in the United Kingdom.

The main objective of the original volume of the series was to provide information about the activities and facilities in each University for the benefit of its sister institutions in the Empire, but this purpose has been greatly extended as the need for a comprehensive work of reference on Universities in the United Kingdom and in other parts of the Commonwealth has been felt not only in government and business offices and schools in the various Commonwealth countries but also in other universities and educational institutions throughout the world.

The present edition contains a number of features which have not appeared in previous editions, some of them being necessitated by academic developments which have occurred since the last edition appeared. There are included for the first time entries for two important new University institutions—the University College of Rhodesia and Nyasaland at Salisbury in Southern Rhodesia, and the University of Rajshahi in East Pakistan. Entries also make their appearance in this edition for two Canadian institutions which have recently been admitted to the National Conference of Canadian Universities—Saint Mary's University at Halifax, Nova Scotia, and Assumption College at Windsor, Ontario. For the first time an introduction has been added to the New Zealand section, a general account of the University institutions in that country having been written for the *Yearbook* by the Registrar of the University of New Zealand. The scope of Appendix I on qualifications for admission to a first degree course in United Kingdom Universities has been widened to include, wherever available, a statement on the practice of the different Universities about granting exemption

from first year courses, and about departmental as well as faculty requirements for admission. Appendix III on postgraduate awards tenable outside the United Kingdom has been rearranged under subject headings to help speedy reference.

The *Yearbook* grows larger each year, not only because of new developments in the different countries and of the demand for information on fresh topics, but also because nearly all the institutions listed in the following pages are undergoing expansion—rapid in some cases, steady in others. The space devoted to the staff directory under each University and to the comprehensive index of names at the end of the book grows larger with each edition, these lists being under constant revision; the numerous changes in this respect from one edition to another are evidence of growth and development within the various institutions as well as of the movement of teachers from one University appointment to another within the Commonwealth. As new Universities come into existence or attain the appropriate standing, whether or not they are members of the Association, the necessary particulars are sought for publication in the *Yearbook*, but for the more remote countries this process takes a little time and sometimes has to await a subsequent edition—it is hoped, for example, that the next *Yearbook* will include information about Nanyang University, recently announced as having been founded in Singapore.

The editor wishes to thank especially the Secretaries of the Inter-University bodies in the various Commonwealth countries for their assistance in compiling and revising introductory sections and for valuable advice on many points of difficulty. The individual University entries are based on information supplied for this edition by the respective Registrars and Secretaries, whose willing help in submitting this material is also gratefully acknowledged. The *Yearbook* purports to give under one cover only an epitome of the information set out in the various University Calendars, Reports and Handbooks and cannot take the place of these as official and authentic statements of events, regulations and practice. Although every care has been taken to ensure that the *Yearbook* is correct in detail, the Association does not accept responsibility for any inaccuracies or omissions which it may be found to contain.

The Association of Universities of the British Commonwealth
36 Gordon Square, London, W.C.1
January 1955

Editor of the "Yearbook" and Secretary of the Association
J. F. FOSTER, M.A., LL.D.

Assistant Editor
T. CRAIG, M.A.

Assistant Secretary of the Association
A. L. FLEET, M.A., D.P.A.

CONTENTS

PAGE

THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH xi
Note on the Functions of the Association xi
Memorandum of Association xv
Articles of Association xviii
Members and their Representatives xxix
Executive Council xxxiii

NOTES ON THE UNIVERSITY ENTRIES xxxiv

ABBREVIATIONS xxxvi

UNITED KINGDOM
Introduction p. 3

Universities and University Colleges

England and Wales—
Birmingham, p. 28
Bristol, p 57
Cambridge, p. 78
Durham, p. 121
Durham Colls., p. 127
King's Coll., Newcastle, p. 136
Hull, p. 153
Leeds, p. 160
Liverpool, p. 186
London (for Schools and Institutions, v. p. 208), p. 207
Manchester, p. 394
Nottingham, p. 424
Oxford, p. 438
Reading, p. 492
Sheffield, p. 501
Southampton, p. 517
Wales, p. 525
Aberystwyth, p. 530
Bangor, p. 537
Cardiff, p. 543
Swansea, p. 550
Welsh National Sch. of Med., Cardiff, p. 555
Exeter, p. 562
Leicester, p. 568
North Staffordshire, p. 574
St. David's Coll., Lampeter, p. 579
Scotland—
Aberdeen, p. 580
Edinburgh, p. 595
Glasgow, p. 617
Royal Technical Coll., Glasgow, p. 637
St. Andrews, p. 643
N. Ireland—
Belfast, p. 657

CANADA
Introduction. p. 675

Universities and Colleges

Acadia, p. 683
Alberta, p. 688
Assumption, p. 706
Bishop's, p. 711
British Columbia, p. 713
Carleton, p. 736

CANADA—*contd.*
Dalhousie, p. 743
King's, p. 755
Laval, p. 758
McGill, p. 774
McMaster, p. 798
Manitoba, p. 806
Memorial, p. 821
Montreal, p. 824
Mount Allison, p. 839
Mount Saint Vincent, p. 844
New Brunswick, p. 847
Nova Scotia Agricultural Coll., p. 851
Nova Scotia Technical Coll., p. 853
Ottawa, p. 857
Queen's, p. 870
Royal Military Coll., p. 881
Saint Dunstan's, p. 886
St. Francis Xavier, p. 889
Saint Joseph's, p. 894
Saint Mary's, p 899
Saskatchewan, p. 902
Sir George Williams, p. 911
Toronto, p. 916
Trinity, p. 951
Victoria, p. 954
Western Ontario, p. 957

AUSTRALIA
Introduction p. 967

Universities and University College

Adelaide, p. 980
Australian National, p. 992
Melbourne, p. 998
New England, p. 1019
N.S.W. Univ. of Technology, p. 1024
Queensland, p. 1031
Sydney, p. 1041
Tasmania, p. 1062
Western Australia, p. 1068
Canberra, p. 1076

NEW ZEALAND
Introduction p. 1083

Universities and University Colleges

New Zealand Univ., p. 1086
Otago, p. 1089
Canterbury Univ. Coll., p. 1099
Auckland, p. 1105
Victoria, p. 1110
Canterbury Agric. Coll., p. 1114
Massey Agric. Coll., p. 1118

SOUTH AFRICA
Introduction p. 1125

Universities

Cape Town, p. 1130
Natal, p. 1142
Orange Free State, p. 1151
Potchefstroom, p. 1155
Pretoria, p. 1162
Rhodes, p. 1177
South Africa, p. 1183
Stellenbosch, p. 1185
Witwatersrand, p. 1193

INDIA
Introduction p. 1211

Universities

Agra, p. 1221
Aligarh Muslim, p. 1233

INDIA—*contd.*

Allahabad, p. 1240
Andhra, p. 1245
Annamalai, p. 1252
Banaras Hindu, p. 1258
Baroda, p. 1264
Bihar, p. 1274
Bombay, p. 1279
Calcutta, p. 1290
Delhi, p. 1302
Gauhati, p. 1316
Gujarat, p. 1321
Jammu and Kashmir, p. 1328
Karnatak, p. 1331
Lucknow, p. 1336
Madras, p. 1348
Mysore, p. 1360
Nagpur, p. 1368
Osmania, p. 1381
Panjab (India), p. 1392
Patna, p. 1401
Poona, p. 1405
Rajputana, p. 1411
Roorkee, p. 1417
Saugar, p. 1421
Travancore, p. 1427
Utkal, p. 1434
Visva-Bharati, p. 1439

Indian Institute of Science, p. 1445

CEYLON

Ceylon Univ. p. 1451

PAKISTAN

Introduction p. 1461

Universities

Dacca, p. 1465
Karachi, p. 1475
Panjab, Lahore, p. 1478
Peshawar, p. 1487
Rajshahi, p. 1491
Sind, p. 1493

OTHER PARTS OF THE COMMONWEALTH

Introduction p. 1499

Universities and University Colleges

Hong Kong, p. 1503
Malaya, p. 1511
Malta, p. 1519
Gold Coast, p. 1523
Ibadan, p. 1528
Makerere, p. 1534
Rhodesia, p. 1540
West Indies, p. 1542
Imperial Coll. of Tropical Agric., p. 1548
Mauritius Coll. of Agric., p. 1553

CONDOMINIUM—

University College of Khartoum p. 1555

APPENDICES

I. QUALIFICATIONS FOR ADMISSION TO A FIRST DEGREE COURSE IN COMMONWEALTH UNIVERSITIES: (A) UNITED KINGDOM, (B) CANADA, (C) AUSTRALIA, (D) SOUTH AFRICA p. 1563

PAGE

II. POSTGRADUATE AWARDS (FELLOWSHIPS, SCHOLARSHIPS, GRANTS, ETC.) FOR ADVANCED STUDY AND RESEARCH TENABLE IN THE UNITED KINGDOM 1651

III. POSTGRADUATE AWARDS (FELLOWSHIPS, SCHOLARSHIPS, GRANTS, ETC.) FOR ADVANCED STUDY AND RESEARCH TENABLE OUTSIDE THE UNITED KINGDOM 1743

IV. STUDENTS FROM OTHER COUNTRIES IN UNITED KINGDOM UNIVERSITIES AND UNIVERSITY COLLEGES 1765

V. COMMONWEALTH STUDIES IN UNITED KINGDOM UNIVERSITIES 1768

VI. UNIVERSITIES OF THE REPUBLIC OF IRELAND 1770

VII. ANGLO-AMERICAN ACADEMIC RELATIONS 1799

VIII. INTERNATIONAL UNIVERSITY ORGANIZATIONS 1803

IX. SHORT BIBLIOGRAPHY 1808

INDEX OF NAMES 1815

GENERAL INDEX 1987

A NOTE ON THE FUNCTIONS OF

THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH

as submitted to the Commonwealth Universities Congress, July 1953

THE Association was founded in 1912 as the Universities Bureau of the British Empire. On the initiative of the University of London, plans had been considered since 1909 for the summoning of a Congress of Universities of the Empire, which was eventually held in London in 1912. One of the decisions of the delegates was that steps should be taken to form, in London, a Bureau of Information for the Universities of the Empire, and that its affairs should be managed by a Committee representing both home and overseas Universities.

In 1919 the Bureau was incorporated under licence of the Board of Trade and a grant of £5000 was made by H.M. Government for central offices on condition that the Universities of the Empire undertook to provide adequate funds for maintenance. The building specially constructed for this purpose in 1930 at 88A Gower Street, Bloomsbury, was utterly destroyed by enemy action in 1940, after which the Bureau was housed in various temporary premises, until in 1949 a tenancy was obtained from the University of London of the present premises at 5 and 6 Gordon Square, close to the bombed site of the former office. The Articles of Association in their present form date from 1932.

It was planned at the 1912 Congress to hold further meetings of the Universities of the Empire at quinquennial intervals, and such Congresses were in fact organized in 1912, 1921, 1926, 1931, 1936, and 1948, the Proceedings of which have been published in separate volumes. The sixth Congress, at Oxford in July 1948, was responsible for the change of name to " The Association of Universities of the British Commonwealth " and for certain alterations to the Articles of Association giving the overseas countries more effective part in the control of the organization. It is now managed by an Executive Council of 16 members appointed each year by the representatives of member Universities, in general meeting, on the nomination of the respective inter-university organizations in the several countries of the Commonwealth. Since 1948 a small conference of representative University heads (usually comprising these members of the Executive Council or their deputies) has been held yearly in a different part of the Commonwealth, to discuss matters of common interest arising between Congresses. The income of the Association is almost wholly derived from the subscriptions, at rates fixed according to their size, of Ordinary Members (Universities), Associate Members (University Colleges) and Additional Members (other institutions of recognized academic status).

From the beginning it was emphasized that the institution of a central bureau must not involve any attempt to standardize academic practices, procedures and methods of Universities. This attitude was confirmed at the Congress of 1931, when it was resolved that: " The powers of the Association shall not be exercised in any such way as to

purport to restrict the powers and duties exercised by the constituent Members under the several charters, statutes, regulations and other instruments of their self-government."

At the 1912 Congress it was laid down that one of the Bureau's chief functions should be to collect University information from every part of the Empire and to put it in a suitable form for easy distribution. It was hoped that by the publication of a Yearbook, or by other means, the experience and experiments in educational organization made in different parts of the Empire would be rendered available to all Universities. The *Commonwealth Universities Yearbook*, now in its thirtieth edition and ordinarily appearing in the early part of each year, is the outcome of this aspiration. This publication contains classified information about all Universities and University Colleges established within the Commonwealth, including complete staff directories, and supplies in its appendices a comprehensive survey of the conditions of admission, of postgraduate scholarships, etc., and of other data useful not only to the Universities but also to all interested in higher education. It has now a reputation as the best single volume reference work about these institutions.

The Association also publishes, in conjunction with the British Council, a Handbook for students from overseas, entitled *Higher Education in the United Kingdom*, which provides in a summary form information about specialized courses of study, admission, cost of living, fees and other charges, scholarships and hostel accommodation at Universities and other institutions of higher learning in Great Britain and Northern Ireland.

An important part of the work of the office lies in the field of helping Universities to fill staff appointments. It acts as the agent in London of overseas member institutions wishing to announce vacancies in and to invite applications from the United Kingdom, and if requested it will arrange for the applicants to be interviewed and reported upon by independent and competent committees. But it does not act as an Appointments Board seeking to place in academic or other posts graduates who register with it, though it keeps in touch in the various Universities with the Appointments organizations which do so. In accordance with its policy of facilitating the movement of University teachers, the Association has instituted machinery for the speedy circulation to Universities throughout the Commonwealth of particulars of academic vacancies in any part of it.

Information which the Association has collected on any questions of academic policy or administration is available to any University or member institution. It makes recommendations for various scholarships and arranges the Cecil Peace Prize Essay competition. A grant from the Imperial Relations Trust has enabled the Association to finance and arrange for visits by selected University administrators from other Commonwealth countries to the United Kingdom, and vice versa. The Association, the Committee of Vice-Chancellors and the British Council jointly administer the Commonwealth Interchange Scheme under which grants may be made to pay the fares of University workers making overseas visits within the Commonwealth.

A considerable part of the activity of the Association's office is centred in the work of the Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom, for which it provides the secretariat under an arrangement whereby these Universities subsidize the Association as a base for certain common academic activities in Great Britain. Many general enquiries about University education in Great Britain are handled by the office, and a conference of the Home Universities is held in London each year, the Proceedings of which are published for the Committee.

The Association acts as a link between the local inter-university organizations that have been set up in various parts of the Commonwealth, including, as well as the United Kingdom Committee of Vice-Chancellors, the National Conference of Canadian Universities, the South African Committee of Principals, the Australian Vice-Chancellors' Committee, the Inter-University Boards of India and of Pakistan, and the Inter-University Council for Higher Education in the Colonies. It is in touch with similar organizations in Europe and the United States, as well as with their representatives in this country, and with UNESCO and the recently formed International Universities Bureau.

Apart from these activities, the Association is the manifest sign of a desire on the part of the Universities of the Commonwealth for co-operation. It seeks the promotion of University interests, of interchange of University teachers and research workers, and of the maintenance of close liaison between the administrations of all University institutions in the Commonwealth. Proposals have been made for establishing in London, at the headquarters of the Association, a University House which will provide amenities for members of the staffs of University institutions visiting the metropolis, but the modest resources of the organization keep these plans in abeyance for the time being. At present it is able to offer such visitors the use of a committee room for interviews, etc., and it will on request receive and readdress mail for them while they are travelling.

The Association's offices are open to all reasonable enquiries and the services of its information department are freely available. It is in a position to procure information on many University problems and to obtain the services of acknowledged experts for advisory committees on selection and other problems. Its objective is to act always in the interests of its member institutions, either collectively or according to their individual instructions, and to adapt its practice to their requirements as may be considered useful and desirable.

For the Executive Council,
J. F. FOSTER, *Secretary*
June 1953

NOTE ON MEMORANDUM AND ARTICLES OF ASSOCIATION

At the final meeting of the first Universities Congress of 1912 the delegates resolved that steps be taken for the formation in London of a Bureau of Information for the Universities of the Empire. At the Fourth Quinquennial Congress of Universities of the Empire, held in Edinburgh in July 1931—the Second having been held at Oxford in 1921 and the Third at Cambridge in 1926—new Articles of Association for the reorganization of the Bureau were considered by the delegates of the 69 Universities represented, and, subject to certain amendments, approved. The Articles were submitted in Sept. 1931 to the Board of Trade, which accorded its approval, subject to the deletion from Article 3 of the following proviso: "Provided that the powers of the Association shall not be exercised in any such way as to purport to restrict the powers and duties exercised by the constituent members under the several charters, statutes, regulations and other instruments of their self-government."

The Articles were approved at an Extraordinary General Meeting of the Association, held on Sept. 24, 1932. At the same Meeting, the Association expressed its adherence to the principles of policy stated in this proviso.

At Extraordinary Meetings of the Association, held in Cambridge on July 14, 1936 (during the Fifth Congress), and in London on Jan. 12, 1940, minor amendments of Schedule A were approved. Further minor alterations in Schedule A, as well as certain changes in the Articles of Association, were made at Extraordinary General Meetings held during the Sixth Congress at Oxford in July 1948 and in London in Jan. 1949. As a result of a Special Resolution at the meeting at Oxford the name of the Association was changed from "The Universities Bureau of the British Empire" to "The Association of Universities of the British Commonwealth."

In 1952 the Executive Council appointed a committee to consider the revision of the Memorandum and Articles which, besides containing a number of verbal anomalies and inconsistencies such as those arising from changes in the political nomenclature of the Commonwealth and from the enactment of the Companies Act, 1948, were found to make inadequate provision for the offices of Chairman, Vice-Chairman and Honorary Treasurer of the Association and for these officers' membership of the Executive Council. The recommendations of this committee were submitted by the Executive Council to an Extraordinary General Meeting held during the Seventh Congress at Cambridge in July 1953 and were approved in principle. Special Resolutions giving effect to the proposed amendments were passed at a further Extraordinary General Meeting held in London on Nov. 26, 1953, Schedule A being revised to include the names of all member institutions as at that date.

The Memorandum and Articles of Association as now in force immediately follow.

THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH

(The word "Limited" being omitted by Licence of the Board of Trade)

MEMORANDUM OF ASSOCIATION

1. The name of the Association is "THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH."

2. The registered office of the Association will be situate in England.

3. The objects for which the Association is established are:

(1) To take over and accept by way of gift or otherwise such of the assets and property of the unincorporated Universities Bureau of the British Empire, established in 1912, as the Association may lawfully acquire and to carry on and continue the undertaking and activities of the said Bureau.

(2) To collect and distribute information from time to time on matters of interest to the Universities of the British Commonwealth.

(3) To arrange conferences and congresses and otherwise to facilitate communication and the interchange of information between the said Universities and between them and the Governments and other public bodies and learned institutions and societies of the British Commonwealth and the Governments, Universities and other bodies of foreign countries.

(4) To facilitate the interchange of students and teachers between the said Universities and between them and the Universities of foreign countries.

(5) To establish and maintain a central office in London which shall serve, amongst other things, as a secretariat for the Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom and for any other Committees which the Universities may from time to time appoint

(6) To establish and maintain offices in any other parts of the United Kingdom or in any state, colony, or dependency of the British Commonwealth or in any foreign country or state, to form centres and secretariats for the work and activities of the Association.

(7) To print, publish and circulate handbooks, periodicals, circulars, leaflets and other publications with a view to making known and to furnishing and disseminating information about and encouraging interest in the objects, work and activities of the Association in any part of the world, and generally in connection with the carrying out of its objects.

(8) To invite and collect subscriptions and donations to the funds of the Association by any lawful means.

(9) To co-operate with other associations having similar objects with a view to the promotion of the objects of this Association.

(10) To make, accept, endorse, discount and execute promissory notes, bills of exchange and other negotiable instruments.

(11) To invest the moneys of the Association not immediately required for the purposes of the Association in or upon such securities and in such manner as may from time to time be deemed expedient, provided that moneys subject or representing property subject to the jurisdiction of the Charity Commissioners or Ministry of Education shall not be invested except in such securities and with such sanction (if any) as may for the time being be required by law.

(12) To borrow or raise money for the purposes of or in connection with the Association's objects and to secure the same by mortgage or charge of any property of the Association or by the issue of debentures or debenture stock, charged on its undertaking or otherwise, or in any other manner as may be deemed expedient.

(13) To do all such other things as may be thought calculated to promote the interests and well-being of the Universities of the British Commonwealth or any of them.

(14) To do all such other things as may be incidental or conducive to the attainment of the above objects or any of them.

Provided that the Association shall not support with its funds any object or endeavour to impose on or procure to be observed by its Members or others any regulation, restriction or condition which if an object of the Association would make it a Trade Union.

Provided also that in case the Association shall take or hold any property subject to the jurisdiction of the Charity Commissioners or Ministry of Education for England and Wales, the Association shall not sell, mortgage, charge or lease the same without such authority, approval or consent as may be required by law, and as regards any such property the Managers or Trustees of the Association shall be chargeable for such property as may come into their hands, and shall be answerable and accountable for their own acts, receipts, neglects and defaults, and for the due administration of such property in the same manner and to the same extent as they would as such Managers or Trustees have been if no incorporation had been effected, and the incorporation of the Association shall not diminish or impair any control or authority exercisable by the Chancery Division, the Charity Commissioners or the Ministry of Education over such Managers or Trustees, but they shall, as regards any such property, be subject jointly and separately to such control or authority as if the Association were not incorporated. In case the Association shall take or hold any property which may be subject to any trusts, the Association shall only deal with the same in such manner as allowed by law having regard to such trusts.

4. The income and property of the Association, whencesoever derived, shall be applied solely towards the promotion of the objects of the Association as set forth in this Memorandum of Association; and no portion thereof shall be paid or transferred directly or indirectly by way of dividend, bonus, or otherwise howsoever by way of profit, to the Members of the Association.

Provided that nothing herein shall prevent the payment, in good faith, of reasonable and proper remuneration to any officer or servant of the Association, or to any Member of the Association, in return for any services actually rendered to the Association, nor prevent the payment of interest at a rate not exceeding 5 per cent per annum on money lent or reasonable and proper rent for premises demised or let by any Member to the Association; but so that no member of the Executive Council or Governing Body of the Association shall be appointed to any salaried office of the Association, or any office of the Association paid by fees, and that no remuneration or other benefit in money or money's worth shall be given by the Association to any member of such Council or Governing Body except repayment of out-of-pocket expenses and interest at the rate aforesaid on money lent or reasonable and proper rent for premises demised or let to the Association; Provided that the provision last aforesaid shall not apply to any payment to any railway, gas, electric lighting, water, cable or telephone company of which a member of the Executive Council or Governing Body may be a member or any other company in which such member shall not hold more than one-hundredth part of the capital, and such member shall not be bound to account for any share of profits he may receive in respect of any such payment.

5. No addition, alteration or amendment shall be made to or in the regulations contained in the Articles of Association for the time being in force, unless the same shall have been previously submitted to and approved by the Board of Trade.

6. The 3rd and 4th Paragraphs of this Memorandum contain conditions on which a licence is granted by the Board of Trade to the Association in pursuance of Section 20 of the Companies (Consolidation) Act, 1908.

7. The liability of the Members is limited.

8. Every Member of the Association undertakes to contribute to the assets of the Association, in the event of the same being wound up during the time that he is a Member, or within one year afterwards, for payment of the debts and liabilities of the Association contracted before the time at which he ceases to be a Member, and of the costs, charges and expenses of winding up the same, and for the adjustment of the rights of the contributories amongst themselves, such amount as may be required not exceeding One Pound.

9. If upon the winding up or dissolution of the Association there remains, after the satisfaction of all its debts and liabilities, any property whatsoever, the same shall not be paid to or distributed among the Members of the Association, but shall be given or transferred to some other institution or institutions having objects similar to the objects of the Association, and which shall prohibit the distribution of

its or their income and property amongst its or their Members to an extent at least as great as is imposed on the Association under or by virtue of Clause 4 hereof, such institution or institutions to be determined by the Members of the Association at or before the time of dissolution, or in default thereof by such Judge of the High Court of Justice as may have or acquire jurisdiction in the matter, and if and so far as effect cannot be given to the aforesaid provision then to some charitable object.

10. True accounts shall be kept of the sums of money received and expended by the Association, and the matter in respect of which such receipts and expenditure take place, and of the property, credits, and liabilities of the Association; and, subject to any reasonable restrictions as to the time and manner of inspecting the same that may be imposed in accordance with the regulations of the Association for the time being, shall be open to the inspection of the Members. Once at least in every year the accounts of the Association shall be examined and the correctness of the balance-sheet ascertained by one or more properly qualified Auditor or Auditors.

ARTICLES OF ASSOCIATION

Preliminary

1. The number of the Members of the Association is declared not to exceed 150, but the Council may at any time register an increase in the number of the Members.

2. These Articles shall be construed with reference to the provisions of the Companies Act, 1948, and terms used in these Articles shall be taken as having the same respective meanings as they have when used in that Act.

3. The Association is established for the purposes expressed in the Memorandum of Association.

Membership

4. The Members of the Association shall consist of corporate bodies with the following status:

(*a*) *Ordinary Members* who shall be (i) the Universities specified in Schedule A attached to these Articles, and (ii) such Universities situate within the Commonwealth as are admitted Members by the Council in accordance with such regulations as may be framed by the Council in this behalf.

(*b*) *Associate Members* who shall be such Universities in Mandated or Trust Territories of the United Kingdom or of any other Commonwealth country and such other institutions being University Colleges or Colleges of Universities within the Commonwealth (being corporate bodies), as may hereafter be admitted Members by the Council under such conditions of membership as may be prescribed by the Council in this behalf.

(*c*) *Such other classes of Members* (consisting of corporate bodies) as may from time to time be admitted by the Council under such conditions of membership as may be prescribed by the Council in this behalf.

5. Every Member shall sign an undertaking in such form as the Council may require to observe and perform all the conditions and pro-

visions of the regulations of the Association for the time being in force, and thereupon the name of such Member shall be entered in the register of Members of the Association.

6. Ordinary Members shall have full rights of membership. Other Members shall be entitled to such of the privileges and benefits of the Association as may be assigned to them from time to time by the Council.

7. Every Member shall nominate a person to act as its representative provided that if it has an officer such as Principal President or Vice-Chancellor whom it recognizes as its executive head it shall nominate him. Such nomination shall be in writing and shall be deposited at the registered office of the Association. Such representative shall have the right on behalf of the Member to exercise all such rights of membership as may have been assigned to such Member by these Articles or by Regulations framed by the Council. A Member may from time to time in writing revoke the nomination of such representative, and nominate another representative in his place. If a representative being the executive head of a Member ceases to hold the office by virtue of which he was nominated he shall cease to be the representative and the Member shall nominate his successor in such office as its representative.

7A. The representative of any Member may nominate in writing deposited with the Secretary a deputy to act for him during any period for which he gives notice in such writing; during such period for the purposes of these Articles any deputy so nominated shall be entitled to act as if he were the representative, and the Association shall be entitled to treat him as the representative, and anything done or suffered by him shall be deemed to have been done or suffered by the representative, whether (should the representative be at the time one of the persons appointed to the Executive Council) in relation to the business of the Executive Council or otherwise.

8. Any Member may withdraw from the Association by giving notice in writing to the Secretary before the expiration of any financial year, and on paying with such notice any unpaid subscription for the current year. Thereupon such Member shall be deemed to have ceased to be a Member from the date of the expiration of such financial year.

9. Upon the retirement of any Member by notice as stated in Article 8 the Member shall not be entitled to any repayment of any subscription or any part thereof paid for the current year.

10. The rights of any Member shall not be transferable and shall cease upon the Member failing to pay the annual subscription within twelve months of its becoming due. Any such Member may be re-admitted to membership upon payment of the subscription for the year during which its membership lapsed.

Duties of Members

11. Every Member of the Association shall be bound:

(*a*) To pay to the Association such minimum annual subscriptions for the various classes of Members as may be fixed by the Association at its first General Meeting after the adoption of these Articles, and as may subsequently be fixed from time to time at

Extraordinary Meetings held during the progress of Quinquennial Congresses, under the provisions of Article 35.

(*b*) To observe the provisions of these presents and of the Memorandum of Association and all the bye-laws, rules and regulations of the Association for the time being in force.

COUNCIL OF THE ASSOCIATION

12. The Executive of the Association shall be a Council consisting of 16 persons chosen from among the representatives of Members so that Members of the classes specified in the second column of the following table and situate in each of the countries or groups of countries mentioned in the first column shall together be entitled to nominate the number of representatives respectively shown in the third column.

Members within—	*Class of Member*	*No. of Representatives*
The United Kingdom	Ordinary	4
Canada	Ordinary	2
Australia	Ordinary	2
New Zealand	Ordinary	1
South Africa	Ordinary	2
India and Ceylon	Ordinary	2
Pakistan	Ordinary	1
Other Parts of the Commonwealth	Ordinary and Associate	2

13. (*a*) The nominations required by Article 12 shall be made by such inter-University organizations as the Council shall by regulation declare to be appropriate to the said countries or groups of countries.

(*b*) The Association in General Meeting shall appoint the representatives so nominated to be members of the Council until the next General Meeting, when they shall be eligible for renomination and reappointment. If there shall be less than 16 nominations then the General Meeting shall appoint sufficient representatives to be members of the Council to complete that number having regard to the proportions set out in Article 12.

14. The office of a member of the Council shall *ipso facto* be vacated if his appointment as a representative of a Member is withdrawn by the Member appointing him, or if the Corporation appointing him ceases to be a Member of the Association.

15. Casual vacancies shall be filled by the Council from amongst the representatives nominated by Ordinary Members under the provisions of Article 7. The person so appointed shall hold office until the Annual Meeting next after his appointment, but he shall then be eligible for re-election if nominated in accordance with the terms of Article 13.

16. No act or resolution of the Council shall be invalidated by reason of the existence of any vacancy or vacancies among members of the Council, but if the number of members of the Council shall be reduced

below 13 the continuing members may act for the purpose only of filling vacancies or summoning a General Meeting of the Association.

17. The Council shall manage and control all matters relating to the management and organization of the Association and may exercise all such powers of the Association as are not by the Companies Act, 1948, or by these Articles required to be exercised by the Association in General Meeting subject nevertheless to any regulation of these Articles, to the provisions of the said Act, and to such regulations being not inconsistent with the aforesaid regulations or provisions, as may be prescribed by the Association in General Meeting; but no regulation made by the Association in General Meeting shall invalidate any prior act of the Council, which would have been valid if that regulation had not been made.

18. The Council may appoint, in consultation with the appropriate groups of Universities, special Committees to study and report on questions of interest to the Universities in more than one region of the Commonwealth and shall provide the necessary secretarial assistance for such Committees, but if such assistance involves exceptional expenditure, they may make it a condition of providing such assistance that a special subvention be made by the Universities concerned.

19. The Council shall study and report on, either by means of special Committees or otherwise as may be appropriate in each case, any questions referred to them by any Conference or Congress of Universities, but if exceptional expenditure is involved they may make it a condition of undertaking the inquiry that a special subvention be made by the Universities concerned.

20. The Council shall elect annually a Chairman of the Association and an Honorary Treasurer of the Association; and if the person appointed to be Chairman of the Association for any year represents a country other than the United Kingdom the Council shall for each such year appoint a Vice-Chairman of the Association who shall be a person resident in the United Kingdom. If the persons elected as Chairman, Vice-Chairman and Treasurer are not already members of the Executive Council they shall become members for the period during which they hold office.

20A. At every meeting of the Council the Chairman of the Association, if present, shall preside. If the Chairman of the Association is absent, then the Vice-Chairman of the Association shall preside. In the absence of the Chairman and Vice-Chairman, the members of the Council shall choose one of the members of the Council then present to preside at that meeting.

21. The Chairman of the Association and the Vice-Chairman of the Association may at any time, and the Secretary upon the request of six members of the Council shall, convene a meeting of the Council. In the case of a meeting convened at the request of six members the notice of meeting shall state the character of the business to be discussed, and only business of which notice shall have been so given shall be discussed at that meeting. Each member of the Council shall name an address at which all notices shall be served upon him, and all notices served at such address shall be deemed to be well served. Questions

arising at any meeting of the Council shall be decided by a majority of members present and voting at such meeting. In the event of the votes being equally divided the Chairman shall have a second or casting vote.

22. The quorum for a meeting of the Council shall be five.

23. A meeting of the Council for the time being at which a quorum is present shall be competent to exercise all or any of the authorities, powers and discretions by or under the Articles of Association for the time being vested in or exercisable by the Council generally.

24. The Council may delegate such of its powers as it considers desirable to any Committee consisting of members of the Council.

25. The meetings and proceedings of any such Committee shall be governed by the provisions herein contained for regulating the meetings and proceedings of the Council, so far as the same are applicable thereto.

26. The Council may from time to time appoint a Secretary of the Association and any other officers or servants who may be required for the performance of the business of the Association or of the Council and may from time to time appoint a temporary substitute for the Secretary who, in the absence of the Secretary, shall be deemed to be the Secretary.

27. All acts done by any meeting of the Council or by any person acting as a member of the Council shall notwithstanding that it shall be afterwards discovered that there was some defect in the appointment of the Council, or persons acting as aforesaid, or that they or any of them were disqualified, be as valid as if every such person had been duly appointed and was qualified to be a member of the Council.

28. Without prejudice to the generality of the powers conferred upon the Council by Article 17 the Council may from time to time frame regulations (*a*) generally to give effect to the provisions of the Memorandum of Association and of these Articles and (*b*) particularly for the following purposes :

(1) for admitting Universities which may hereafter become corporations ;

(2) for admitting as Associate Members Corporations which are Universities in Mandated or Trust Territories of the United Kingdom or of any other Commonwealth country and other institutions, being University Colleges or Colleges of Universities within the Commonwealth ;

(3) for assigning privileges of membership to (*a*) Associate Members and (*b*) other classes of Members ;

(4) for prescribing a form to be signed by Members prior to admission as Members ;

(5) for prescribing the manner in which the groups of Universities referred to in Article 12 shall appoint representatives ;

(6) for managing the business and defining the duties of the Association ;

(7) for delegating to Committees of the Council such of its powers as are not inconsistent with the provisions of these Articles ;

(8) for fixing the manner of the appointment of the special Committees referred to in Articles 18 and 19 ;

(9) for arranging for the provision of secretarial assistance to such

Committees ; and for assessing any exceptional expenditure involved and distributing it amongst Universities concerned ;

(10) for determining the period for which the Chairman Vice-Chairman and Honorary Treasurer of the Association are to hold office ;

(11) for defining the manner in which the Minutes of business transacted at meetings of the Association are to be recorded ;

(12) for providing for the custody of the seal and for determining the officer of the Association other than the Secretary who may countersign instruments to which the seal is attached ;

(13) for prescribing the form in which instruments appointing proxies shall be framed ;

(14) for prescribing the books of account which have to be maintained in accordance with the provisions of Article 60 ;

(15) for prescribing the place at which such books of account shall be kept.

Provided always that no regulation made by the Council shall have any validity or effect if it amounts to or involves such an alteration of or addition to these Articles as could only lawfully be made by Special Resolution.

MINUTES

29. The Council shall cause minutes to be duly entered in books provided for the purpose of all business transacted at General and Extraordinary Meetings and at meetings of the Council and Committees thereof.

30. Any such minutes of any meeting of the Council or of Committees thereof, or of the Association, if purporting to be signed by the Chairman of such meeting, or by the Chairman of the next succeeding meeting, shall be conclusive evidence of the matters stated in such minutes.

31. The Council shall submit to the Annual General Meeting of the Association a report of its work and activities during the preceding year.

SEAL

32. The Council shall provide for the safe custody of the seal, and the seal shall never be used except by the authority of the Council previously given, and in the presence of a member of the Council, who shall sign every instrument to which the seal is affixed, and every such instrument shall be countersigned by the Secretary or some other person appointed by the Council.

GENERAL MEETINGS

33. A General Meeting of the Association shall be held once at least in every calendar year in London or such other University town and at such time as may be determined by the Council provided that a General Meeting shall be held within not more than fifteen months after the holding of the last General Meeting.

34. The above-mentioned General Meetings shall be called Ordinary Meetings, all other General Meetings shall be called Extraordinary Meetings.

35. An Extraordinary Meeting of the Association shall be held during the progress of each Quinquennial Congress of Universities of the Empire or within three days of the commencement or termination of that Congress.

36. Notwithstanding any provisions to the contrary in these Articles the Chairman of the Association or in his absence the Vice-Chairman of the Association shall have power at any Extraordinary Meeting summoned under the provisions of Article 35 to place on the agenda matters which have been the subject of a resolution passed by the delegates at the Quinquennial Congress during which the Extraordinary Meeting is being held.

37. The Council may whenever it thinks fit and it shall upon a requisition made in writing and signed by Members entitled to vote representing not less than one-tenth of the total voting rights of all the Members having at the date of the requisition a right to vote at General Meetings of the Association convene an Extraordinary Meeting. The Secretary shall at any time when required by the Chairman of the Association or in his absence abroad by the Vice-Chairman of the Association summon an Extraordinary Meeting

38. Any requisition made by the Members of the Association entitled to vote as aforesaid shall express the object of the meeting proposed to be called and shall be left at the registered office of the Association.

39. Upon the receipt of such requisition the Council shall forthwith proceed to convene an Extraordinary Meeting and if they neglect to do so for twenty-one days from the time of the requisition being so left the requisitionists or any of them representing more than one-half of the total voting rights of all of them may themselves convene the meeting in the same manner as nearly as possible as that in which meetings are to be convened by the Council.

40. The business of an Ordinary Meeting shall be—

(*a*) To receive and consider the accounts, the balance sheet and the reports of the Council and the Auditors.

(*b*) To appoint an Auditor or Auditors and fix his or their remuneration.

(*c*) To appoint the members of Council in accordance with the provisions of Article 13.

All other business transacted at an Ordinary Meeting and all business transacted at an Extraordinary Meeting shall be deemed special. If any Member has any proposal or any matter which he wishes to make or bring before an Ordinary Meeting he shall give fourteen days' written notice thereof to the Secretary.

41. Subject to the provisions of Section 141 (2) of the Companies Act, 1948, relating to Special Resolutions, twenty-eight days' notice at the least (or in the case of a meeting convened pursuant to a requisition of Members fourteen days' notice at the least) exclusive of the day of giving the notice but inclusive of the day of the meeting, specifying the place, the day and hour of meeting and (in case of special business) the general nature of such business, shall be given by notice to the Members in manner hereinafter stated with reference to the giving of notices, but the accidental omission to give such notice to or the non-receipt of such

notice by any Member shall not invalidate the proceedings of any meeting.

42. Except as otherwise provided by these presents no business shall be transacted at any General Meeting unless a quorum of representatives of Members entitled to vote is present at the time when the meeting proceeds to business.

43. A quorum shall consist of ten representatives of Ordinary Members.

44. If within half-an-hour from the time appointed for a meeting ten representatives of Ordinary Members entitled to vote are not present the meeting if convened upon a requisition of Members shall be dissolved but in any other case it shall stand adjourned to a place to be fixed by the Chairman of the Association or in his absence abroad by the Vice-Chairman of the Association and to a date to be fixed by the Chairman or Vice-Chairman (as the case may be) not earlier than two weeks and not later than one month after the date of the original meeting, and if at such adjourned meeting a quorum is not present but two or more representatives of Ordinary Members entitled to vote are present the representatives of Members present entitled to vote shall be a quorum and may transact the business for which the original meeting was called.

45. At any adjourned General Meeting the representatives of Ordinary Members present entitled to vote being two or more in number shall have the power to decide upon all matters which could properly have been disposed of at the meeting from which the adjournment took place had a sufficient number of representatives of Members entitled to vote been present at such meeting. Notice of the time and place fixed by the Chairman of the Association or the Vice-Chairman of the Association (as the case may be) for an adjourned meeting shall be given to all Members entitled to receive notices of meetings.

46. The Chairman of the Association if present shall be the Chairman of every General Meeting, but if the Chairman of the Association is absent then the Vice-Chairman shall preside and if neither the Chairman nor the Vice-Chairman is present the representatives of Members present at the meeting and entitled to vote shall choose a representative entitled to vote to act as Chairman in his place.

47. The Chairman may upon the resolution of the meeting adjourn any meeting from time to time and from place to place but no business shall be transacted at any adjourned meeting other than the business left unfinished at the meeting from which the adjournment took place.

48. No poll shall be demanded on the appointment of a Chairman or on a question of adjournment.

49. At any General Meeting unless a poll is demanded by at least two representatives of Members entitled to vote a declaration by the Chairman that a resolution has been carried or has been carried unanimously or by a particular majority or lost or not carried by a particular majority and an entry to that effect in the book of proceedings of the Association shall be conclusive evidence of the fact without proof of the number or proportion of the votes recorded in favour of or against such resolution.

50. If a poll is demanded by two or more representatives of Members entitled to vote it shall be taken in such manner as the Chairman directs and he shall have power to take the poll at once at the meeting or to adjourn the meeting for a reasonable time not exceeding fourteen days for the purpose of taking such poll, and the result of such poll shall be deemed to be the resolution of the Association in General Meeting. In case of an equality of votes at any General Meeting the Chairman shall be entitled to a second vote or casting vote.

51. Minutes of all resolutions and proceedings at General Meetings signed by any person purporting to be the Chairman of the Meeting at which such Minutes were signed as correctly recorded, shall be conclusive evidence of the facts therein stated.

52. Nothing in these Articles shall preclude the Council from inviting any member of the teaching or administrative staff of a corporation or institution, which is an Ordinary Member or an Associate Member, to attend a General or Extraordinary Meeting of the Association, or any meeting of the Council or Committees thereof, provided that any person so attending any meeting shall not be entitled to vote at such meeting or to participate in any discussion on any subject other than that for the discussion of which he has been invited to attend.

Votes at General Meetings

53. Every Member entitled to vote represented directly or by proxy shall have one vote and no more at a General Meeting except the Chairman, who shall, in case of an equality of votes, have a second or casting vote

54. Votes may be given either personally by the representative of a Member or by proxy given by such representative.

55. The instrument appointing a proxy shall be in writing under the hand of the appointer and may be in the following form :

I of in the County of being the duly authorized representative of a Member of the Association of Universities of the British Commonwealth hereby appoint as my proxy to vote for me and on my behalf at the (Ordinary or Extraordinary or adjourned as the case may be) General Meeting of the Association to be held on the day of and at any adjournment thereof.

SIGNED this day of .

Or in such other form as the Council shall approve.

56. Only representatives of Members entitled to vote shall be appointed proxies.

57. The instrument appointing a proxy shall be deposited at the registered office of the Association or delivered to the Secretary not less than forty-eight hours before the time appointed for holding the meeting at which the person named in such instrument proposes to vote.

58. No objection shall be made to the validity of any vote except at the meeting or poll at which such vote shall be tendered, and every vote whether given personally or by proxy not disallowed at such

meeting or poll shall be deemed valid for all purposes of such meeting or poll whatsoever.

59. The Chairman of any meeting shall be the sole and absolute judge of the validity of every vote tendered at such meeting or poll and may allow or disallow the votes tendered according as he shall be of opinion that they are or are not valid.

ACCOUNTS

60. The Council shall cause proper books of account to be kept with respect to:

(*a*) all sums of money received and expended by the Association and the matters in respect of which the receipts and expenditure take place, provided that receipts and expenditure in connection with the Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom and with any other Committees or activities of these Universities shall be shown separately;

(*b*) all sales and purchases of goods by the Association;

(*c*) the assets and liabilities of the Association.

61. The books of account shall be kept at such place as the Council may from time to time appoint, and subject to any reasonable restrictions as to the time and manner of inspecting them that may be imposed by the Association in General Meeting, the books of account shall be open to the inspection of the Members at all times during the usual business hours.

62. The Council shall from time to time, in accordance with Section 148 of the Act 1948, cause to be prepared and to be laid before the Association in General Meeting such income and expenditure accounts balance sheets and reports as are referred to in that section.

63. A copy of every balance sheet (including every document required by law to be annexed thereto) which is to be laid before the Association in General Meeting together with a copy of the auditor's report shall not less than seven days before the date of the meeting be sent to all persons entitled to receive notices of General Meetings of the Association.

AUDIT

64. Auditors shall be appointed and their duties regulated in accordance with Sections 159, 160, 161 and 162 of the Companies Act, 1948.

NOTICES

65. A notice may be given by the Association to any Member either personally to the representative of such Member or by sending it by post to such representative to his address. Every representative of a Member shall furnish to the Association an address at which notices may be served.

66. (*a*) Where a notice is sent by post to an address in the United Kingdom or the Republic of Ireland, service of the notice shall be deemed to be effected by properly addressing,

prepaying and posting a letter containing the notice, and, unless the contrary is proved, to have been effected by the second day after that on which it was posted.

(*b*) Where a notice is sent by post to an address outside the United Kingdom or the Republic of Ireland, service of the notice shall be deemed to be effected by properly addressing, prepaying and posting by airmail a letter containing the notice, and, unless the contrary is proved, to have been effected by the eighth day after that on which it was posted.

SCHEDULE A. (*Vide* Article 4 (*a*))

Universities of the United Kingdom

England and Wales: Birmingham, Bristol, Cambridge, Durham, Leeds, Liverpool, London, Manchester, Nottingham, Oxford, Reading, Sheffield, Southampton, Wales.

Scotland: Aberdeen, Edinburgh, Glasgow, St. Andrews.

Northern Ireland: The Queen's University of Belfast.

Universities Overseas

Canada: Acadia, Alberta, British Columbia, Carleton College, Dalhousie, Laval, McGill, McMaster, Manitoba, Montreal, Mount Allison, New Brunswick, Queen's, Saskatchewan, Sir George Williams College, St. Francis Xavier, Toronto, Western Ontario.

Australia: Adelaide, Australian National University, Melbourne, New South Wales University of Technology, Queensland, Sydney, Tasmania, Western Australia.

New Zealand: The University of New Zealand.

South Africa: Cape Town, Natal, Orange Free State, Potchefstroom, Pretoria, Rhodes, South Africa, Stellenbosch, Witwatersrand.

Ceylon: The University of Ceylon.

India: Allahabad, Andhra, Annamalai, Maharaja Sayajirao University of Baroda, Banaras Hindu University, Bihar, Bombay, Calcutta, Delhi, Jammu and Kashmir, Lucknow, Madras, Mysore, Nagpur, Osmania, Panjab (India), Patna, Rajputana, Roorkee, Saugar, Travancore, Utkal.

Pakistan: Dacca, Karachi, Panjab (Lahore), Peshawar, Sind.

Other Parts of the Commonwealth: Hong Kong, Malaya, The Royal University of Malta.

THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH

MEMBERS, TOGETHER WITH THEIR REPRESENTATIVES

(as at Dec. 2, 1954)

(i) Ordinary Members

UNITED KINGDOM

University	*Representative*
Birmingham	R. S. Aitken, M.D., D.Phil., LL.D., D.Sc., F.R.C.P., F.R.A.C.P.
Bristol	Sir Philip Morris, C.B.E., M.A., LL.D.
Cambridge	Rt. Hon. H. U. Willink, M.C., Q.C., M.A.
Durham	Sir James Duff, M.A., M.Ed., LL.D., D.C.L.
Hull	J. H. Nicholson, C.B.E., M.A. (Ed.).
Leeds	Sir Charles Morris, M.A., LL.D., D.Litt.
Liverpool	Sir James Mountford, M.A., D.Litt., LL.D., D.C.L.
London	D. W. Logan, M.A., D.Phil., D.C.L.
Manchester	Professor Sir John Stopford, M.D., Sc.D., D.Sc., LL.D., F.R.C.P., F.R.S.
Nottingham	B. L. Hallward, M.A.
Oxford	A. H. Smith, C.B.E., M.A., LL.D.
Reading	J. F. Wolfenden, C.B.E., M.A.
Sheffield	J. M. Whittaker, M.A., D.Sc., F.R.S.
Southampton	D. G. James, M.A.
Wales	Sir Emrys Evans, M.A., B.Litt.
Aberdeen	Sir Thomas Taylor, C.B.E., Q.C., M.A., D.D., LL.D.
Edinburgh	Sir Edward Appleton, G.B.E., K.C.B., M.A., D.Sc., Sc.D., LL.D., F.R.S.
Glasgow	Sir Hector Hetherington, K.B.E., D.L., M.A., LL.D., D.Litt.
St. Andrews	T. M. Knox, M.A., LL.D.
The Queen's, Belfast	E. Ashby, D.Sc., Sc.D., D.I.C., F.L.S.

CANADA

Acadia	W. Kirkconnell, O.P.R., M.A., Ph.D., LL.D., D.P.Ec., D.Litt., F.R.A.I., F.R.S.C.
Alberta	A. Stewart, B.S.A., M.A., LL.D., D.Econ.
Assumption College	Very Rev. E. C. LeBel, M.A.
British Columbia	N. A. M. MacKenzie, C.M.G., M.M. and Bar, Q.C., B.A., LL.D., D.C.L., D.Sc.Soc., F.R.S.C.
Carleton	M. M. MacOdrum, M.A., Ph.D., D.D.
Dalhousie	A. E. Kerr, B.A., D.D., LL.D.
Laval	Mgr. A. M. Parent, D.Ph., D.Th.
McGill	F. C. James, Chev. Lég. d'H., B.Com., A.M., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C.
McMaster	G. P. Gilmour, M.A., D.D., D.C.L., LL.D.
Manitoba	H. H. Saunderson, B.A., M.Sc., Ph.D., F.C.I.C.

Memorial University of Newfoundland	R. Gushue, C.B.E., Q.C., LL.B., D.Cn.L.
Montreal	Mgr. O. Maurault, C.M.G., D.C.L., F.R.S.C.
Mount Allison	Rev. W. T. Ross Flemington, O.B.E., M.A., B.Pæd, D.D., LL.D.
New Brunswick	C. B. Mackay, B.A., LL.B., D.C.L.
Queen's, Ontario	W. A. Mackintosh, C.M.G., M.A., Ph.D., LL.D., D.C.L., F.R.S.C.
St. Francis Xavier	Rev. H. J. Somers, Ph.D., F.R.Hist.S.
Saskatchewan	W. P. Thompson, M.A., Ph.D., D.Sc., F.R.S.C.
Sir George Williams College	K. E. Norris, M.A., Ph.D.
Toronto	Sydney Smith, Q.C., M.A., LL.D., D.C.L., F.R.S.C.
Western Ontario	G. E. Hall, A.F.C., M.S.A., M.D., D.Sc., Ph.D., LL.D., F.R.S.C.
AUSTRALIA	
Adelaide	A. P. Rowe, C.B.E., B.Sc.
Australian National University	L. G. Melville, C.B.E., B.Ec., F.I.A.
Melbourne	G. W. Paton, M.A., B.C.L., LL.D.
New England	R. B. Madgwick, M.Ec., D.Phil.
New South Wales University of Technology	J. P. Baxter, O.B.E., B.Sc., Ph.D.
Queensland	J. D. Story, I.S.O.
Sydney	S. H. Roberts, M.A., Litt.D., LL.D., D.Sc. (Econ.), D.C.L.
Tasmania	T. Hytten, C.M.G., M.A.
Western Australia	S. L. Prescott, M.Sc.
NEW ZEALAND	
New Zealand	G. A. Currie, B.Sc. (Agric.), D.Sc., LL.D., Litt.D.
SOUTH AFRICA	
Cape Town	T. B. Davie, B.A., M.D., LL.D., F.R.C.P.
Natal	E. G. Malherbe, M.A., Ph.D., LL.D.
Potchefstroom	Professor J. C. Coetzee, M.A., M.Ed., D.Phil., F.B.Ps.S.
Pretoria	C. H. Rautenbach, M.A., B.D., D.Phil.
Rhodes	T. Alty, D.Sc., Ph.D., D.C.L., LL.D., F.I.P., F.R.S.C.
South Africa	S. P. E. Boshoff, M.A., Litt.D.
Stellenbosch	J. S. Gericke, B.A.
Witwatersrand	W. G. Sutton, B.A., B.Sc.(Eng).
INDIA	
Agra	C. V. Mahajan, M.A.
Allahabad	Professor A. C. Banerji, M.A., M.Sc., F.R.A.S.
Andhra	V. S. Krishna, B.A., Ph.D.
Annamalai	Sir C. P. Ramaswami Aiyar, K.C.S.I., K.C.I.E., LL.D.
Banaras	A. N. Deva, D.Litt., M.A., LL.B.
Baroda	Shrimati H. Mehta, B.A.
Bihar	Syamndam Sahaya, B.A., M.P.
Bombay	Sir Navroji Jehangir Wadia, B.A.
Calcutta	J. C. Ghosh, D.Sc., F.N.I.
Delhi	G. S. Mahajani, M.A., Ph.D.
Jammu and Kashmir	Hon. Chief Justice Mr. Janki Nath Wazir.

Lucknow	A. J. Kishore, M.A.
Madras	Lt.-Col. Sir A. L. Mudaliar, B.A., M.D., LL.D., D.Sc., D.C.L., F.R.C.O.G., F.A.C.S.
Mysore	B. L. Manjunath, B.A., M.Sc., D.Phil.
Nagpur	Pandit K. Dubey, B.A., LL.B.
Osmania	S. Bhagavantam, D.Sc.
Panjab (India)	Dewan A. Kumar, M.A.
Patna	B. Narayana, M.Sc., M.B., Ph.D., F.N.I.
Rajputana	Lt.-Col. G. C. Chaterji, M.A.
Roorkee	A. N. Khosla.
Saugar	R. P. Tripathi, M.A., D.Sc.
Travancore	Sir A. R. Mudaliar, K.C.S.I., D.C.L.
Utkal	Parsuram Misra, M.Sc., Ph.D.

CEYLON

Ceylon	Sir Ivor Jennings, Q.C., M.A., LL.D., Litt.D

PAKISTAN

Dacca	W. A. Jenkins, C.I.E., D.Sc.
Karachi	Lt.-Col. A. B. A. Haleem, B.A.
Panjab, Lahore	M. Afzal Husain, M.A., M.Sc.
Peshawar	M. R. Siddiqi, M.A., Ph.D., D.Sc., F.N.I.
Rajshahi	I. H. Zuberi, M.A., Ph.D., F.R.S.L.
Sind	I. I. Kazi.

OTHER PARTS OF THE COMMONWEALTH

Hong Kong	Col. L. Ride, C.B.E., M.A., D.M., B.Ch., LL.D.
Malaya	Sir Sydney Caine, K.C.M.G., B.Sc. (Econ.).
Malta	J. A. Manché, B.Sc., M.D.

(ii) Associate Members

College	*Representative*
University College of the South West of England, Exeter	J. W. Cook, D.Sc., Ph.D., Sc.D., F.R.I.C., F.R.S.
University College of Leicester	C. H. Wilson, M.A.
University College of North Staffordshire	Professor J. W. Blake, M.A.
Canberra University College	Professor H. Burton, M.A.
University of Otago	F. G. Soper, C.B.E., Ph.D., D.Sc., F.R.I.C., F.R.S.N.Z., F.N.Z.I.C.
Canterbury University College	.....
Auckland University College	K. J. Maidment, M.A.
Victoria University College	J. Williams, Ph.D., LL.D.
Canterbury Agricultural College	M. M. Burns, M.Sc., Ph.D., F.N.Z.I.C.
University College of Fort Hare	C. P. Dent, M.Sc.
University College of the Gold Coast	D. M. Balme, D.S.O., D.F.C., M.A.
University College, Ibadan	J. T. Saunders, M.A., D.C.L.
Makerere College, The University College of East Africa	B. de Bunsen, M.A.

University College of Rhodesia and Nyasaland . . .	W. Rollo, M.A., D.Litt.
University College of the West Indies	W. W. Grave, M.A., Ph.D., LL.D.
Imperial College of Tropical Agriculture . . .	G. A. C. Herklots, M.Sc., Ph.D., F.L.S.

(iii) Additional Members

Municipal College of Technology, Manchester . .	D. Cardwell, M.Sc., B.Com., F.R.I.C.
Royal Technical College, Glasgow	D. S. Anderson, B.Sc., Ph.D.
Nova Scotia Technical College	A. E. Cameron, D.Sc.

THE EXECUTIVE COUNCIL (elected Dec. 2, 1954)

UNITED KINGDOM

R. S. AITKEN, M.D., D.Phil., LL.D., D.Sc., F.R.C.P., F.R.C.P.Ed., F.R.A.C.P. [Birmingham].
E. ASHBY, D.Sc., Sc.D., D.I.C., F.L.S. [Belfast].
D. W. LOGAN, M.A., D.Phil., D.C.L. [London].
Rt. Hon. H. U. WILLINK, M.C., Q.C., M.A. [Cambridge].

CANADA

W. A. MACKINTOSH, C.M.G., M.A., Ph.D., LL.D., D.C.L., F.R.S.C. [Queen's].
W. P. THOMPSON, M.A., Ph.D., D.Sc., F.R.S.C. [Saskatchewan].

AUSTRALIA

A. P. ROWE, C.B.E., B.Sc. [Adelaide].
T. HYTTEN, C.M.G., M.A. [Tasmania].

NEW ZEALAND

G. A. CURRIE, B.Sc. (Agric.), D.Sc., LL.D., Litt.D.

SOUTH AFRICA

T. ALTY, D.Sc., Ph.D., D.C.L., LL.D., F.I.P., F.R.S.C. [Rhodes].
C. H. RAUTENBACH, M.A., B.D., D.Phil. [Pretoria].

INDIA AND CEYLON

Sir IVOR JENNINGS, Q.C., M.A., LL.D., Litt.D. [Ceylon].
Lt.-Col. Sir A. L. MUDALIAR, B.A., M.D., LL.D., D.Sc., D.C.L., F.R.C.O.G., F.A.C.S. [Madras].

PAKISTAN

The Chairman of the Inter-University Board of Pakistan.

OTHER PARTS OF THE COMMONWEALTH

Col. L. RIDE, C.B.E., M.A., D.M., B.Ch., LL.D. [Hong Kong].
J. T. SAUNDERS, M.A., D.C.L. (Ibadan).

OFFICERS

(elected Dec. 2, 1954)

Chairman : A. P. ROWE, C.B.E., B.Sc.
Vice-Chairman : SIR PHILIP MORRIS, C.B.E., M.A., LL.D.
Hon. Treasurer : Sir GEORGE ALLEN, C.B.E., M.D., LL.D.

Secretary : J. F. FOSTER, M.A., LL.D.
Assistant Secretary : A. L. FLEET, M.A., D.P.A.
Assistants : A. A. BATH, B.Sc. (Econ.) (Administrative) ; T. CRAIG, M.A. (Editorial) ; Mrs. W. M. GILCHRIST (Appointments).

NOTES ON THE UNIVERSITY ENTRIES

THE principal divisions of each *Yearbook* University entry are: I. Principal Officers; II. Teaching Staff; III. Administrative and other Staff; IV. Constituent, Affiliated or Associated Institutions; V. General Information; VI. The Year.

The Teaching Staff directory is sub-divided into departments (indicated by italicized headings) normally arranged in alphabetical order for ease of reference. Owing to the divergent practices of different Universities about the organization of subjects, it has not been considered advantageous to group these departments under their separate Faculties, but in special cases where, for example, there is a group of departments constituting a more or less distinct entity to which it is obviously helpful to be able to refer in a consecutive and separate entry (*e.g.* a multi-departmental School of Engineering, of Medicine, or of Dentistry), they are set out together at the end of the main list, each group under a separate bold type heading, cross-references to the subject headings in this grouping being inserted at appropriate places in the main list.

Men's first names are designated only by initials (*e.g.* Smith, J. D.) except where it is necessary to distinguish between two men with the same initials and surname, at the same University or College. Women's names are usually indicated by the writing in full of one first name, any other first names being represented by initials only (*e.g.* Smith, Mary J.). The word "Mrs." is inserted before the names of married women, but the word "Miss" is usually omitted, except where the woman's first name is likely to be unfamiliar as such to English-speaking readers (as in the case of certain Eastern and African names).

Because of the increasing size of the *Yearbook* it has been considered necessary to keep to a minimum the titles and qualifications not of University origin placed after names. The criterion followed in previous issues is retained, namely, that apart from honours conferred by the Crown, or by the heads of foreign governments, only *fellowships* of learned bodies of high standing are noted. A list of such honours and qualifications appears on pp. lv-lviii.

Each individual's University degrees, diplomas or certificates, and any other of his qualifications or honours included in the list on pp. lv-lviii are noted in abbreviated form after his name. The University of origin of degrees, diplomas and certificates is also given. *Degrees* awarded by the University in whose entry the name of the staff member appears are indicated by being placed after any other *degrees* (*not* after any other diplomas or certificates or non-University qualifications) and *without* the name of the University. In the case of persons possessing only one degree, which is not followed by the name of a University, *e.g.* Jones, J., B.Sc., it can be assumed that the degree was awarded

by the University in whose entry the name of the staff member appears. Similarly, *diplomas* and *certificates* awarded by the University in whose entry the name of the staff member appears are placed after any other *diplomas* or *certificates* (*not* after any non-University qualifications) and *without* the name of the University. The following order is observed: (i) Honours conferred by the Crown; (ii) Honours conferred by the head of a foreign government; (iii) University degrees; (iv) University diplomas and certificates; (v) fellowships of certain institutions (*see* pp. lv-lviii).

" The Year " section lists information about events of outstanding interest which have occurred in the academic year previous to the compilation of material. North of the equator the session reviewed in this edition is 1952–53; south of the equator the period is the 1953 session. In both cases the period of the long vacation following has been treated as included in the previous academic session.

In the " Student Numbers " paragraph in each University entry students are classified as *Part-Time* if they are engaged in regular employment during the academic year and therefore cannot devote their full time to their studies. If a University has indicated that it has used a different definition a note has been added to the text. By *New Admissions* is meant the number of students entering the University or University College for the first time. For *Yearbook* purposes a student " from another country " is one whose permanent home residence is in that other country, *i.e.* one whose parents are only temporarily resident or employed abroad is not included, nor is one who was born in another country and may therefore have a foreign nationality but who is now living permanently in the country in which the University or University College is situated.

The lists of Degrees, Diplomas and Certificates Awarded give the numbers of students who have the right, under the regulations of the University, to use the title of the degree, diploma or certificate regardless of whether or not it has been ceremonially conferred.

ABBREVIATIONS

A, for names of Universities (p. xxxvi)
B, for University degrees (p. xxxix)
C, for non-University qualifications (p. lv)

A. ABBREVIATIONS FOR NAMES OF UNIVERSITIES

Listed below are the expanded forms of the abbreviations used in the *Yearbook* for names of Universities placed after degrees, diplomas, certificates, etc. It should be noted that these abbreviations are not necessarily identical with those employed by the individual Universities themselves.

Abbreviation	*University*
Aberd.	Aberdeen
Acad.	Acadia
Adel.	Adelaide
Alig.	Aligarh Muslim
Alld.	Allahabad
Alta.	Alberta
Amst.	Municipal University of Amsterdam
And.	Andhra
Annam.	Annamalai
A.N.U.	Australian National
Ban.	Banaras Hindu
Bda.	Baroda (Maharaja Sayajirao University of)
Belf.	Belfast (The Queen's University of)
Berl.	Berlin
Birm.	Birmingham
Bom.	Bombay
Bres.	Breslau
Brist.	Bristol
Br. Col.	British Columbia
Bud.	Budapest
Calc.	Calcutta
Calif.	California
Cal. Tech.	California Institute of Technology
Camb.	Cambridge
Cape	Cape of Good Hope (now incorporated in the University of South Africa)
Cape T.	Cape Town
Car.	Carleton (College)

Abbreviation	*University*
Ceyl.	Ceylon
Chic.	Chicago
Col.	Columbia
Conn.	Connecticut
Corn.	Cornell
C.U.A.	Catholic University of America
Dal.	Dalhousie
Dub.	Dublin, Trinity College
Durh.	Durham
Edin.	Edinburgh
Flor.	Florida
Fran.	Frankfurt
Gauh.	Gauhati
Glas.	Glasgow
Gött.	Göttingen
Gron.	Groningen
Gujar.	Gujarat
Harv.	Harvard
Heidel.	Heidelberg
H.K.	Hong Kong
Ill.	Illinois
J. & K.	Jammu and Kashmir
Johns H.	Johns Hopkins
Karn.	Karnatak
K.C.N.S.	King's College (Nova Scotia)
Ley.	Leyden
Liv.	Liverpool
Lond.	London
Luck.	Lucknow
McG.	McGill
McM.	McMaster
Madr.	Madras
Manc.	Manchester (Victoria University of)
Manit.	Manitoba
Melb.	Melbourne
Mich.	Michigan
Minn.	Minnesota
M.I.T.	Massachusetts Institute of Technology
Montr.	Montreal

Abbreviation	*University*
Mt. All.	Mount Allison
Mt. St. Vin.	Mount St. Vincent
Mün.	Münster
Mys.	Mysore
Nag.	Nagpur
N.E	New England
New Br.	New Brunswick
Nfld.	Memorial University of Newfoundland
Nott.	Nottingham
N. Staffs.	North Staffordshire (University College of)
N.S.T.C.	Nova Scotia Technical College
N.S.W.U.T.	New South Wales University of Technology
N.U.I.	National University of Ireland
N.Y.	New York
N.Z.	New Zealand
O.F.S.	Orange Free State
Osm.	Osmania
Ott.	Ottawa
Oxon.	Oxford
Panj.	Panjab (Pakistan)
Panj. (I.)	Panjab (India)
Penn.	Pennsylvania
Pesh.	Peshawar
Pitt.	Pittsburgh
Potchef.	Potchefstroom
Pret.	Pretoria
Prin.	Princeton
Q'ld.	Queensland (Australia)
Qu.	Queen's (Canada)
Rajput.	Rajputana
Rajsh.	Rajshahi
Rand.	Witwatersrand, Johannesburg
R'dg.	Reading
R.M.C.	Royal Military College
Roch.	Rochester
Roor.	Roorkee
S.A.	South Africa
St. And.	St. Andrews
St. Dun.	St. Dunstan's (College)
St. F.X.	St. Francis Xavier

Abbreviation	*University*
St. Jos.	St. Joseph's
Sask.	Saskatchewan
Saug.	Saugar
Sheff.	Sheffield
Sir G. Wms.	Sir George Williams (College)
So'ton.	Southampton
Stan.	Stanford
Stell.	Stellenbosch
Stras.	Strasbourg
Syd.	Sydney
Syr.	Syracuse
Tas.	Tasmania
Tor.	Toronto
Trav.	Travancore
Trin. Coll. Tor.	Trinity College, University of Toronto
VB.	Visva-Bharati
Vic. Tor.	Victoria (Toronto)
V.U. Amst.	Free University of Amsterdam
Wash.	Washington (Seattle)
W. Aust.	Western Australia
Wis.	Wisconsin
W. Ont.	Western Ontario
Zür.	Zürich

B. COMMONWEALTH DEGREE ABBREVIATIONS

In the following list the degree title opposite each abbreviation is the expanded form normally used by the University, or Universities, in the Commonwealth which currently award that degree. Many of these degrees are awarded with Honours, but, for reasons of space, the Honours form of the abbreviation and title is not given below (*e.g.* B.A. Hons. is excluded). For the purposes of this list, a " conjoint " degree, such as M.B., Ch.B., is listed as two separate degrees.

B.A.	Bachelor of Arts [Bachelier ès Arts : Laval, Montr., Ott., St. Jos.] Bachelor in Arts : Acad. Bachelor of Arts in Fine Arts : Cape T. Bachelor of Arts and Philosophy [Baccalaureus in die Lettere en Wysbegeerte] : Pret., Stell.
B.A. (Admin.)	Bachelor of Arts in Administration
B.A. (Arch.)	Bachelor of Arts (Architecture)
B.A. (Bantu Languages) [B.A. (Bantoekunde)]	Bachelor of Arts in Bantu Languages [Baccalaureus in Lettere en Wysbegeerte in Bantoekunde] : Pret.

B.Acc.	Bachelor of Science in Accounting
B.A. (Com.)	Bachelor of Arts in Commerce
B.Admin.	Bachelor of Public Administration [Baccalaureus in Publieke Administrasie] : Pret. Bachelor of Administration : S.A.
B.A. (Econ.)	Bachelor of Arts (Economics) : Brist. Bachelor of Arts in Economics and Politics : Manc. Bachelor of Arts in Economic Studies : Sheff.
B.A. (Ed. Phys.)	Bachelor of Arts in Physical Education [Baccalaureus in Lettere en Wybsegeerte in Liggaamlike Oproedkunde] : Pret.
B.A. (F.A.)	Bachelor of Arts (Fine Arts) Bachelor of Arts in Fine Arts : Rhodes, S.A.
B.A Fine Arts	Bachelor of Arts in Fine Arts
B.Ag.	Bachelor of Agriculture
B.Agr.	Bachelor of Agriculture
B.Agr.Sc.	Bachelor of Agricultural Science
B.Agr.Sc. (Dairy Tech.)	Bachelor of Agricultural Science (Dairy Technology)
B.Agr.Sc. (Hort.)	Bachelor of Agricultural Science (Horticulture)
B.Ag.Sc.	Bachelor of Agricultural Science
B.A. (Home Arts)	Bachelor of Arts (Home Arts)
B.A. in Fine Arts	Bachelor of Arts in Fine Arts
B.A. in Logopedics	Bachelor of Arts in Logopedics
B.A. in Maatskaplike Werk	Bachelor of Arts in Social Work [Baccalaureus in Maatskaplike Werk] : Stell.
B.A. in S.S.	Bachelor of Arts in Social Studies
B.A. (Law)	Bachelor of Arts in Law [Baccalaureus in Lettere en Wysbegeerte in die Regte : Pret.]
B.A. (Library Science) [B.A. (Biblioteekkunde)]	Bachelor of Library Science [Baccalaureus in Biblioteekkunde] : Pret.
B.A. (Mil.)	Bachelor of Arts in Military Science [Baccalaureus in Lettere en Wysbegeerte in Krygskunde] : Pret.
B.A. (Mus.)	Bachelor of Arts in Music
B.A.O.	Bachelor of Obstetrics
B.A. (Pol. Sc.) [B.A. (Staatswetenskappe)]	Bachelor of Arts in Political Science [Baccalaureus in Lettere en Wysbegeerte in Staatswetenskappe]: Pret.
B.Arch.	Bachelor of Architecture [Baccalaureus in die Argitektuur : Pret.]
B.Arp.	Bachelor of Surveying [Bachelier en Arpentage]: Laval
B.A.Sc.	Bachelor of Applied Science
B.A. (S.S.)	Bachelor of Arts in Social Science
B.A. (S.W.)	Bachelor of Arts in Social Sciences [Baccalaureus in Lettere en Wysbegeerte in Sosiale Wetenskappe] : Pret.
B.A. (Theol.)	Bachelor of Arts in Theology

B.A. (Theology)	Bachelor of Arts (Theology)
B.A.V.	Bachelor of Ayurveda
B.B.A.	Bachelor of Business Administration
B.Bibl.	Bachelor in Library Science [Bachelier en Bibliothéconomie] : Montr.
B.C.E.	Bachelor of Civil Engineering
B.Ch.	Bachelor of Surgery
B.Ch.D.	Bachelor of Dental Surgery [Baccalaureus in die Tandheelkunde : Pret.]
B.Chem.E.	Bachelor of Chemical Engineering
B.Chem.Eng.	Bachelor of Chemical Engineering
B.Chem.Engg.	Bachelor of Chemical Engineering
B.Chem.Tech.	Bachelor of Chemical Technology
B.Chir.	Bachelor of Surgery
B.C.L.	Bachelor of Civil Law Bachelor of Civil Laws : Delhi
B.Com.	Bachelor of Commerce [Baccalaureus in die Handel : Pret.]
B.Com. (Econ., Pol. and Sociol.)	Bachelor of Commerce (Economics, Politics and Sociology)
B.Com. (Geog.)	Bachelor of Commerce (Geography)
B.Comm.	Bachelor of Commerce [Baccalaureus in die Handelswetenskappe : Stell.]
B.Com.Sc.	Bachelor of Commercial Science
B.Com. (Soc. Study)	Bachelor of Commerce (Social Study)
B.Com. with Russian Studies	Bachelor of Commerce with Russian Studies
B.D.	Bachelor of Divinity [Baccalaureus in die Godgeleerdheid : Stell.] Bachelor in Theology [Baccalaureus in Godgeleerdheid : Pret.] Bachelor of Theology : Malta
B.D.C.	Bachelor of Canon Law [Bachelier en Droit canonique] : Ott.
B.D.S.	Bachelor of Dental Surgery
B.D.Sc.	Bachelor of Dental Science
B.E.	Bachelor of Engineering Bachelor of Science in Engineering : Sask.
B.Ec.	Bachelor of Economics
B.E. Chem.	Bachelor of Chemical Engineering
B.E. (Chem.)	Bachelor of Chemical Engineering
B.E. (Civil)	Bachelor of Engineering (Civil)
B.Econ.	Bachelor of Economics
B.Econ. (I.A.)	Bachelor of Economics in Industrial Administration
B.Econ. (P.A.)	Bachelor of Economics in Public Administration
B.Ed.	Bachelor of Education [Bachelier en Éducation : Ott., St. Jos.; Baccalaureus in die Opvoedkunde: Pret.] Bachelor in Education : Acad.

B.Ed.Sc.	Bachelor of Educational Science
B.E.E.	Bachelor of Electrical Engineering
B.E. (Elect.)	Bachelor of Engineering (Electrical)
B.E. (Mech.)	Bachelor of Engineering (Mechanical)
B.Eng.	Bachelor of Engineering
B.Eng.Sc.	Bachelor of Engineering Science
B.F.A.	Bachelor of Fine Arts
B.For.	Bachelor of Forestry
B.For.Sc.	Bachelor of Forestry Science
B.H.E.	Bachelor of Home Economics
B.H.Ec.	Bachelor of Household Economics
B.H.Sc.	Bachelor of Household Science
	Bachelor of Home Science : N.Z.
B.I.D.	Bachelor of Interior Design
B.Iur.	Baccalaureus Iuris : Pret.
B.J.	Bachelor of Journalism
B.L.	Bachelor of Law
	Bachelor of Laws : And., Madr., Mys., Trav.
B.Litt.	Bachelor of Letters
B.L.S.	Bachelor of Library Science
B.M.	Bachelor of Medicine
B.M.E.	Bachelor of Mining Engineering
B.Mech.E.	Bachelor of Mechanical Engineering
B.Med.Sc.	Bachelor of Medical Science
B.Met.	Bachelor of Metallurgy
B.Met.E.	Bachelor of Metallurgical Engineering
B.Mus.	Bachelor of Music [Bachelier en Musique : Laval, Montr. ; Baccalaureus in die Toonkuns : Stell.]
B.N.	Bachelor of Nursing
B.N.Sc.	Bachelor of Nursing Science
B.O.L.	Bachelor of Oriental Learning
B.Or.	Bachelor of Orientation [Bachelier en Orientation] : Laval
B.Paed.	Bachelor of Pedagogy
B.P.E.	Bachelor of Physical Education
B.P.Ed.	Bachelor of Physical Education
B.Ped.	Bachelor of Pedagogy
B.Péd.	Bachelor of Education [Bachelier en Pédagogie] : Laval
	Bachelor of Pedagogy [Bachelier en Pédagogie] : Montr.
B.P.F.	Bachelor of Family Pedagogy [Bachelière en Pédagogie familiale] : Montr.
B.Ph.	Bachelor of Philosophy [Bachelier en Philosophie] : Laval, Montr., Ott.
B.Pharm.	Bachelor of Pharmacy [Bachelier en Pharmacie : Laval, Montr.]
B.P.H.E.	Bachelor of Physical and Health Education
B.Phil.	Bachelor of Philosophy

B.Ph. (psychologie)	Bachelor of Philosophy (psychology) [Bachelier en Philosophie (psychologie)] : Montr.
B.Ph. (sc. médiévales)	Bachelor of Philosophy (Mediaeval Studies) [Bachelier en Philosophie (sc. médiévales)] : Montr.
B.S.	Bachelor of Surgery
B.S.A.	Bachelor of Science in Agriculture Bachelor of Agriculture [Bachelier en Sciences agricoles] : Laval Bachelor of Science in Agriculture [Bachelier ès Sciences agricoles] : Montr.
B.Sc.	Bachelor of Science [Bachelier ès Sciences : Laval, Montr., Ott., St. Jos. ; Baccalaureus in Wis- en Natuurkunde : Pret. ; Baccalaureus in die Natuurwetenskappe : Stell.] Bachelor in Science : Acad. Bachelor of Science in Applied and Industrial Chemistry : Cape T. Bachelor of Science in Engineering : Cape T. Bachelor of Science in Land Surveying : Cape T.
B.Sc.A.	Bachelor of Applied Sciences [Bachelier ès Sciences appliquées] : Laval Bachelor of Applied Science [Bachelier ès Sciences appliquées] : Montr.
B.Sc., Ag.	Bachelor of Science in Agriculture
B.Sc.Ag.	Bachelor of Science in Agriculture Bachelor of Science (in Agriculture) : Raj.
B.Sc. (Ag.)	Bachelor of Science in Agriculture Bachelor of Science (Agriculture) : Madr., Mys.
B.Sc. (Ag.E.)	Bachelor of Science in Agricultural Engineering
B.Sc.Agr.	Bachelor of Science in Agriculture
B.Sc. (Agr.)	Bachelor of Science in Agriculture Bachelor of Science (Agriculture) : Nag.
B.Sc. (Agr. Engineering)	Bachelor of Science in Agricultural Engineering
B.Sc. (Agri.)	Bachelor of Science (Agriculture)
B.Sc.Agric.	Bachelor of Science in Agriculture Bachelor of the Science of Agriculture : Ceyl.
B.Sc. (Agric.)	Bachelor of Science in Agriculture Bachelor of Science (Agriculture) : Lond. Bachelor of Agriculture [Baccalaureus in Landbou] : Pret.
B.Sc. (Agric. Eng.) [B.Sc. (Agr. Ing.)]	Bachelor of Agricultural Engineering [Baccalaureus in Landbou-Ingenieurswese] : Pret.
B.Sc. Agriculture	Bachelor of Science (Agriculture)
B.Sc. (Agriculture)	Bachelor of Science (Agriculture)
B.Sc.App.	Bachelor of Applied Science.
B.Sc. (Applied)	Bachelor of Applied Science
B.Sc. (C.E.)	Bachelor of Science in Civil Engineering
B.Sc. Chem. Engineering	Bachelor of Science in Chemical Engineering

B.Sc. Chem.Tech.	Bachelor of Science in Chemical Technology
B.Sc. (Chem.Tech.)	Bachelor of Science in Chemical Technology
B.Sc. (Civ.Eng.)	Bachelor of Science (Civil Engineering)
	Bachelor of Science in Civil Engineering : New Br.
B.Sc.Com.	Bachelor of Commerce [Bachelier en Sciences commerciales] : Laval
	Bachelor of Commercial Science [Bachelier ès Sciences commerciales] : Montr.
B.Sc.Comm.	Bachelor of Commercial Science [Bachelier ès Sciences commerciales] : St. Jos.
B.Sc. (Dairying)	Bachelor of Science in Dairying
B.Sc. (Dent.)	Bachelor of Science in Dentistry
B.Sc. (Dietetics) [B.Sc. (Dieetkunde)]	Bachelor of Dietetics [Baccalaureus in Dieetkunde] : Pret.
B.Sc.Dom.	Bachelor of Household Sciences [Bachelier en Sciences domestiques] : Laval
	Bachelor of Science in Domestic Science : Syd.
B.Sc. (Domesticae)	Bachelor of Domestic Science.
B.Sc. (Dom.Sc.)	Bachelor of Science (Domestic Science)
	Bachelor of Domestic Science [Baccalaureus in Huishoudkunde] : Pret.
B.Sc. (Dom.Sci.)	Bachelor of Science (Domestic Science)
B.Sc. (Econ.)	Bachelor of Science in Economics
	Bachelor of Science (Economics) : Lond.
B.Sc.Ed.Inf.	Bachelor of Science in Nursing Education [Bachelière en Sciences de l'Éducation des infirmières] : Montr.
B.Sc. (E.E.)	Bachelor in Science in Electrical Engineering
	Bachelor of Science in Electrical Engineering : Dacca
B.Sc.Eng.	Bachelor of Science in Engineering
	Bachelor of the Science of Engineering : Ceyl.
B.Sc. (Eng.)	Bachelor of Science in Engineering
	Bachelor of Science (Engineering) : Lond., Patna, Trav.
B.Sc.Eng. (Agric.)	Bachelor of Science in Agricultural Engineering
B.Sc. (Eng.) (Civil)	Bachelor of Science in Engineering (Civil)
B.Sc. (Eng.) (Elect.)	Bachelor of Science in Engineering (Electrical)
B.Sc. (Engg.)	Bachelor of Science (Engineering)
B.Sc. (Eng.) (Geol.)	Bachelor of Science in Engineering (Geological)
B.Sc. (Eng.) (Mech.)	Bachelor of Science in Engineering (Mechanical)
B.Sc. (Eng.Phys.)	Bachelor of Science in Engineering Physics
B.Sc. (Est.Man.)	Bachelor of Science (Estate Management)
B.Sc.F.	Bachelor of the Science of Forestry
	Bachelor of Science in Forestry : Melb.
B.Sc.For.	Bachelor of Science in Forestry

B.Sc. (For.)	Bachelor of Science in Forestry
B.Sc. (H. & S.S.)	Bachelor of Science (Household and Social Science)
B.Sc. (H.Ec.)	Bachelor of Science in Home Economics Bachelor in Science with Home Economics: Acad. Bachelor of Science in Household Economics: Alta.
B.Sc. (Home Sciences)	Bachelor of Sciences (Home Sciences)
B.Sc. (Hort.)	Bachelor of Science in Horticulture Bachelor of Science (Horticulture): Lond.
B.Sc. (Hortic.)	Bachelor of Science in Horticulture
B.Sc.Hosp.	Bachelor of Nursing [Bachelier en Sciences hospitalières]: Laval
B.Sc. (Household Science)	Bachelor of Science (Household Science)
B.Sc. (Hyg.)	Bachelor of Science in Hygiene
B.Sc. in Agriculture	Bachelor of Science in Agriculture
B.Sc. in Arts	Bachelor of Science in Arts
B.Sc. in Bosbou	Bachelor of Science in Forestry [Baccalaureus in die Natuurwetenskappe in Bosbou]: Stell.
B.Sc. (Ind.Chem.)	Bachelor of Science (Industrial Chemistry)
B.Sc. in Engineering	Bachelor of Science in Engineering
B.Sc.Ing.	Bachelor of Science in Engineering [Baccalaureus in die Natuurwetenskappe in Ingenieurswese]: Stell.
B.Sc. in Home Economics	Bachelor of Science in Home Economics
B.Sc. in Home Science	Bachelor of Science (Home Science)
B.Sc. in Huishoudkunde	Bachelor of Science in Home Economics [Baccalaureus in die Natuurwetenskappe in Huishoudkunde]: Stell.
B.Sc. in Landbou	Bachelor of Science in Agriculture [Baccalaureus in die Natuurwetenskappe in Landbou]
B.Sc. in Nursing	Bachelor of Science in Nursing
B.Sc.L.A.	Bachelor of Science (Laboratory Assistant)
B.Sc. (Land Surveying) [B.Sc. (Landmeekkunde)]	Bachelor of Land Surveying [Baccalaureus in Landmeekkunde]: Pret.
B.Sc. (M.E.)	Bachelor of Science in Mechanical Engineering
B.Sc. (Mech.E.)	Bachelor of Science in Mechanical Engineering
B.Sc. (Mech.Eng.)	Bachelor of Science in Mechanical Engineering
B.Sc.Med.	Bachelor of Science in Medicine
B.Sc. (Med.)	Bachelor of Science in Medicine Bachelor of Science (Medical): Syd., Bom.
B.Sc.Met.	Bachelor of Science in Metallurgy
B.Sc. (Metallurgical Engineering)	Bachelor of Science in Metallurgy

B.Sc. (Mil.)	Bachelor of Military Science [Baccalaureus in Krygskunde] : Pret.
B.Sc.Min.	Bachelor of Science in Mining
B.Sc. (Min.)	Bachelor of Science in Mining
B.Sc. Mining Engineering	Bachelor of Science in Mining
B.Sc.N.	Bachelor of Science in Nursing
	Bachelor of Science-nutrition [Bachelier ès Sciences—nutrition] : Montr., Ott.
B.Sc.Nursing	Bachelor of Science in Nursing
	Bachelor of Science (Nursing) : Delhi
B.Sc. (Nutrition)	Bachelor of Science (Nutrition)
B.Sc. (Optometrical Science)	Bachelor of Science (Optometrical Science)
B.Sc.P.	Bachelor of Fisheries [Bachelier ès Sciences (Pêcheries)] : Laval
B.Sc. (P.Ed.)	Bachelor of Science in Physical Education
B.Sc. (Pharm.)	Bachelor of Science in Pharmacy
	Bachelor of Science in Pharmaceutical Chemistry : Agra
B.Sc. (Pharmacy)	Bachelor of Science in Pharmacy
B.Sc.Phm.	Bachelor of Science in Pharmacy
B.Sc.Phys.Ed.	Bachelor of Science in Physical Education
B.Sc. (Physiotherapy)	Bachelor of Science in Physiotherapy
B.Sc.Q.S.	Bachelor of Science in Quantity Surveying
B.Sc. (Q.S.)	Bachelor of Science in Quantity Surveying
	Bachelor of Quantity Surveying [Baccalaureus in Bourekenkunde] : Pret.
B.Sc.Soc.	Bachelor of Social Sciences [Bachelier en Sciences sociales] : Montr.
B.Sc. (Soc.)	Bachelor of Science (Sociology) : Lond.
	Bachelor of Social Sciences [Bachelier en Sciences sociales] : Laval
B.Sc.S.P.	Bachelor of Social and Political Sciences [Bachelier ès Sciences sociales et politiques] : Ott.
B.Sc.Sur.	Bachelor of Science in Land Surveying
B.Sc. (Surv.)	Bachelor of Science in Surveying
B.Sc. (Survey)	Bachelor of Science (Survey)
B.Sc.T.	Bachelor of Science in Medical Technology [Bachelier ès Sciences en Technologie médicale] : Montr.
B.Sc. (T.E.)	Bachelor of Science in Textile Engineering
B.Sc.Tech.	Bachelor of Technical Science
B.Sc. (Tech.)	Bachelor of Technology
	Bachelor of Science (Technology) : Bom., Calc., Nag.
	Bachelor of Science in Technology : Annam., Madr.
B.Sc.Tech. (Glass & Ceramics)	Bachelor of Science (Technical) Glass & Ceramics

B.Sc. (Text.)	Bachelor of Science (Textiles)
	Bachelor of Science in Textiles : Panj. (I.)
B.Sc. (Vet.)	Bachelor of Science (Veterinary)
B.Sc. (Vet.Sci.)	Bachelor of Science (Veterinary Science)
B.Sc. (Vety.)	Bachelor of Veterinary Science
B.Serv.Soc.	Bachelor of Social Service [Bachelier en Service social] : Laval
B.S.F.	Bachelor of Science in Forestry
B.S.H.Ec.	Bachelor of Science in Home Economics
B.S.Litt.	Bachelor of Sacred Letters
B.S.N.	Bachelor of Science in Nursing
B.Soc.Sc.	Bachelor of Social Science
B.Soc.Sc. (S.W.)	Bachelor of Social Science (Social Welfare)
B.S.P.	Bachelor of Science in Pharmacy
B.S.Sc.	Bachelor of Sanitary Science
B.Surv.	Bachelor of Surveying
B.S.W.	Bachelor of Social Work
B.T.	Bachelor of Teaching
B.Tech.	Bachelor in Technology
B.Text.	Bachelor of Textiles
B.Th.	Bachelor in Theology
	Bachelor of Theology : Alig. ; Laval, Montr., Ott. [Bachelier en Théologie]
B.U.T.S.	Bachelor of Unani Tib and Surgery
B.Vet.Med.	Bachelor of Veterinary Medicine
B.V.Sc.	Bachelor of Veterinary Science [Baccalaureus in die Veeartsenykunde : Pret.]
B.V.Sc. and A.H.	Bachelor of Veterinary Science and Animal Husbandry
C.E.	Civil Engineer
Ch.B.	Bachelor of Surgery [Baccalaureus in Snykunde : Pret.]
Chem.E.	Chemical Engineer
Ch.M.	Master of Surgery
C.M.	Master of Surgery
D.Agr.Sc.	Doctor of Agricultural Science
D.Arch.	Doctor of Architecture
D.Ch.	Doctor of Surgery
D.C.L.	Doctor of Civil Law
D.Cn.L.	Doctor of Canon Law
D.Com.	Doctor of Commerce [Doktor in Handel] : Pret.
D.Com. (B. and A.)	Doctor of Management and Administration [Doktor in Bestuur en Administrasie] : Pret.
D.Comm.	Doctor of Commerce [Doktor in die Handelswetenskappe : Stell.]
D.D.	Doctor of Divinity [Doktor in die Godgeleerdheid : Stell.]
	Doctor in Theology [Doktor in Godgeleerdheid]: Pret.
	Doctor of Theology : Malta

D.D.C.	Doctor of Canon Law [Docteur en Droit canonique] : Laval, Ott.
D. de l'U.	Doctor of University [Docteur de l'Université] : Laval
D.D.S.	Doctor of Dental Surgery [Docteur en Chirurgie dentaire : Montr.]
D.D.Sc.	Doctor of Dental Science
D.E.	Doctor of Engineering
D.Econ.	Doctor of Economics
D.Ed.	Doctor of Education [Doktor in die Opvoedkunde : Pret., Stell.]
D.Ed.Ph.	Doctor of Physical Education [Doktor in Liggaamlike Opvoeding] : Stell.
D.Ed Phys.	Doctor of Physical Education [Doktor in Liggaamlike Opvoedkunde] : Pret.
D.Eng.	Doctor of Engineering
D. ès L.	Doctor of Letters [Docteur ès Lettres] : Laval, Ott.
D.Hy.	Doctor of Hygiene
D.Jur.	Doctor Juris
D.L.	Doctor of Laws
D.Lett.	Doctor of Letters [Docteur en Lettres] : Montr.
D.Lit.	Doctor of Literature
D.Litt.	Doctor of Letters
	Doctor of Literature : Wales, McG., Mt. All., Potchef., Pret. [Doktor in Lettere], Rhodes, S.A., Stell. [Doktor in die Lettere], Rand, Calc., Luck., Osm., Panj. (I.), Patna, Raj., Saug., Utkal, Ceyl., Dacca
D.M.	Doctor of Medicine
D.Met.	Doctor of Metallurgy
D.Miss.	Doctor of Missiology [Docteur en Missiologie] : Ott.
D.Mus.	Doctor of Music [Docteur en Musique : Laval, Montr. ; Doktor in die Toonkuns : Stell.]
D.M.V.	Doctor of Veterinary Medicine [Docteur en Médecine vétérinaire] : Montr.
D.O.L.	Doctor of Oriental Learning
D.Paed.	Doctor of Pedagogy
D.Péd.	Doctor of Education [Docteur en Pédagogie] : Laval
	Doctor of Pedagogy [Docteur en Pédagogie] : Montr.
D.Ph.	Doctor of Philosophy [Docteur en Philosophie] : Laval, Montr., Ott.
D.Pharm.	Doctor of Pharmacy [Docteur en Pharmacie] : Laval, Montr.
D.Phil.	Doctor of Philosophy [Doktor in Wysbegeerte : Pret. ; Doktor in die Wysbegeerte : Stell.]
	Doctor of Public Administration [Doktor in Publieke Administrasie] : Pret.
D.Ph. (psychologie)	Doctor of Philosophy (psychology) [Docteur en Philosophie (psychologie)] : Montr.

D.Ph. (sc. médiévales)	Doctor of Philosophy (Mediæval Studies) [Docteur en Philosophie (sc. médiévales)] : Montr.
D.Ps.Sc.	Doctor of Psychological Science
D.S.A.	Doctor of Agriculture [Docteur en Sciences agricoles] : Laval
D.Sc.	Doctor of Science [Docteur ès Sciences : Laval Montr., Ott.; Doktor in die Wis- en Natuurkunde: Pret.; Doktor in die Natuurwetenskappe: Stell.]
	Doctor of Science in Applied and Industrial Chemistry : Cape T.
	Doctor of Science in Engineering : Cape T.
	Doctor of Science in Land Surveying : Cape T.
D.Sc.A.	Doctor of Sciences [Docteur en Sciences appliquées] : Laval
	Doctor of Applied Science [Docteur en Sciences appliquées] : Montr.
D.Sc.Agr.	Doctor of Science in Agriculture
D.Sc.Agric.	Doctor of Science in Agriculture
D.Sc. (Agric.)	Doctor of Science in Agriculture
	Doctor of Agriculture [Doktor in Landbou] : Pret.
D.Sc. (Agric.Eng.) [D.Sc. (Agric. Ing.)]	Doctor of Agricultural Engineering [Doktor in Landbou-Ingenieurswese] : Pret.
D.Sc.Com.	Doctor of Commerce [Docteur en Sciences commerciales] : Laval
	Doctor of Commercial Science or Doctor of Commerce [Docteur en Sciences commerciales] : Montr.
D.Sc. (Econ.)	Doctor of Science (Economics)
	Doctor of Science in Economics : Southampton, Rand.
D.Sc.Eng.	Doctor of Science (Engineering)
	Doctor of Science in Engineering : Syd., Rand.
D.Sc. (Eng.)	Doctor of Science (Engineering)
D.Sc. in Bosbou	Doctor of Science in Forestry [Doktor in die Natuurwetenskappe in Bosbou] : Stell.
D.Sc.Ing.	Doctor of Science in Engineering [Doktor in die Natuurwetenskappe in Ingenieurswese] : Stell.
D.Sc. in Landbou	Doctor of Science in Agriculture [Doktor in die Natuurwetenskappe in Landbou] : Stell.
D.Sc.Pol.	Doctor of Political Sciences [Docteur ès Sciences politiques] : Ott.
D.Sc. (Pub.Health)	Doctor of Science (Public Health)
D.Sc.Soc.	Doctor of Social Sciences [Docteur en Sciences sociales] : Laval
D.Sc.Tech.	Doctor of Technical Science
D.Soc.Sc.	Doctor of Social Science
D.S.W.	Doctor of Social Work
D.Tech.	Doctor in Technology

D.Th.	Doctor of Theology [Docteur en Théologie]: Laval, Montr., Ott.
D.V.M.	Doctor of Veterinary Medicine
D.V.Sc.	Doctor of Veterinary Science [Doktor in die Veeartsenykunde : Pret.]
Ed.B.	Bachelor of Education
Ed.D.	Doctor of Education
E.E.	Electrical Engineer
I.F.	Forest Engineer [Ingénieur forestier] : Laval
L.D.C.	Licentiate in Canon Law [Licencié en Droit canonique] : Ott.
L. ès L.	Licentiate of Letters [Licencié ès Lettres] : Laval
L.H.	Licentiate of Hygiene [Licencié en Hygiène] : Montr.
Lic.D.	Licentiate in Theology
Litt.D.	Doctor of Letters
LL.B.	Bachelor of Laws [Baccalaureus in Regsgeleerdheid : Pret., Stell.]
	Bachelor of Law : Camb.; Laval & Montr. [Bachelier en Droit], Potchef., Patna
LL.D.	Doctor of Laws [Doktor in die Regsgeleerdheid : Pret., Stell.]
	Doctor of Law : Camb. ; Laval & Montr. [Docteur en Droit]
L.Lett.	Licentiate of Letters [Licencié ès Lettres] : Montr.
LL.L.	Licentiate of Law [Licencié en Droit] : Laval, Montr.
LL.M.	Master of Laws [Magister in Regsgeleerdheid : Pret.]
	Master of Law : Camb., Sind
L.Mus.	Licentiate of Music [Licencié en Musique] : Laval, Montr.
L.Or.	Licentiate or Master of Orientation [Licencié en Orientation] : Laval
L.Péd.	Licentiate or Master of Education [Licencié en Pédagogie] : Laval
	Licentiate of Pedagogy [Licencié en Pédagogie] : Montr.
L.Ph.	Licentiate of Philosophy [Licencié en Philosophie] : Laval, Montr., Ott.
L.Ph. (psychologie)	Licentiate of Philosophy (psychology) [Licencié en Philosophie (psychologie)] : Montr.
L.Ph. (sc. médiévales)	Licentiate of Philosophy (Mediæval Studies) [Licencié en Philosophie (sc. médiévales)] : Montr.
L.S.A.	Licentiate of Science in Agriculture [Licencié ès Sciences agricoles] : Montr.
L.Sc.	Licentiate of Sciences [Licencié ès Sciences] : Laval
L.Sc.Com	Licentiate or Master of Commerce [Licencié en Sciences commerciales] : Laval
	Licentiate of Commercial Sciences or Master of Commerce [Licencié en Sciences commerciales] : Montr.

L.Sc.Compt.	Licentiate of Accountancy [Licencié en Sciences comptables] : Montr.
L.Sc.O.	Licentiate of Optometry [Licencié en Sciences—optométrie] : Montr.
L.Sc.Pol.	Licentiate in Political Sciences [Licencié ès Sciences politiques] : Ott.
L.Th.	Licentiate or Master of Theology [Licencié en Théologie] : Laval, Montr., Ott.
M.A.	Master of Arts [Maître ès Arts : Laval, Montr., Ott , St. Jos.]
	Master of Arts in Fine Art : Cape T.
	Master of Arts and Philosophy [Magister in die Lettere en Wysbegeerte] : Pret., Stell.
M.A. (Arch.)	Master of Arts (Architecture)
M.A. (Bantu Languages) [M.A. Bantoekunde]	Master of Arts in Bantu Languages [Magister in Lettere en Wysbegeerte in Bantoekunde] : Pret.
M.Admin.	Master of Public Administration [Magister in Publieke Administrasie] : Pret.
M A. (droit)	Master of Arts (Law) [Maître ès Arts (droit)] : Montr.
M.A. (Econ.)	Master of Arts in Economic and Social Studies
M.A. (Ed.)	Master of Arts in Education
M.A. (F.A.)	Master of Arts in Fine Arts
M.A. Fine Arts	Master of Arts in Fine Arts
M.Ag.	Master of Agriculture
M.Agr.	Master of Agriculture
M.Agr.Sc.	Master of Agricultural Science
M.Agr.Sc. (Dairy Tech.)	Master of Agricultural Science (Dairy Technology)
M.Agr.Sc. (Hort.)	Master of Agricultural Science (Horticulture)
M.Ag.Sc.	Master of Agricultural Science
M.A. in Maatskaplike Werk	Master of Arts in Social Work [Magister in Maatskaplike Werk] : Stell.
M.A. (lettres)	Master of Arts (Letters) [Maître ès Arts (lettres)] : Montr.
M.A. (Library Science) [M.A. (Biblioteekkunde)]	Master of Library Science [Magister in Biblioteekkunde] : Pret.
M.A. (Lib.Sc.)	Master of Library Science
M.A.O.	Master of Obstetrics
M.A. (Ph.)	Master of Arts (Philosophy) [Maître ès Arts (Philosophie)] : Ott.
M.A. (philosophie)	Master of Arts (Philosophy) [Maître ès Arts (philosophie)] : Montr.
M.A. (Pol.Sc.) [M.A. (Staatswetenskappe)]	Master of Arts in Political Science [Magister in Lettere en Wysbegeerte in Staatswetenskappe] : Pret.
M.A. (psychologie)	Master of Arts (Psychology) [Maître ès Arts (psychologie)] : Montr.

M.Arch.	Master of Architecture [Magister in die Argitektuur : Pret.]
M.Arch. (C.P.)	Master of Architecture (Community Planning)
M.A.Sc.	Master of Applied Science
M.A. (sc. médiévales)	Master of Arts (Mediæval Studies) [Maître ès Arts (sc. médiévales)] : Montr.
M.A. (S.S.)	Master of Arts in Social Science
M.A. (S.W.)	Master of Arts in Social Sciences [Magister in die Lettere en Wysbegeerte in Sosiale Wetenskappe] : Pret.
M.B.	Bachelor of Medicine [Bachelier en Médecine : Laval ; Baccalaureus in Geneeskunde : Pret.]
M.B A.	Master of Business Administration
M.C.D.	Master of Civic Design
M.C.E.	Master of Civil Engineering
M.Ch.	Master of Surgery [Magister in Chirurgie : Pret.]
M.Ch.D.	Master of Dental Surgery
M.Chir.	Master of Surgery
M.Ch.Orth.	Master of Orthopaedic Surgery
M.C.L.	Master of Civil Law
M.Cl.Sc.	Master of Clinical Science
M.Com.	Master of Commerce [Magister in die Handel : Pret.]
M.Com. (B. and A.)	Master of Management and Administration [Magister in Bestuur en Administrasie] : Pret.
M.Comm.	Master of Commerce [Magister in die Handelswetenskappe : Stell.]
M.D.	Doctor of Medicine [Docteur en Médecine : Laval, Montr., Ott. ; Doktor in Geneeskunde : Pret.]
	Doctor of Medicine and Surgery : Malta
M.Div.	Master of Divinity
M.D.S.	Master of Dental Surgery
M.D.Sc.	Master of Dental Science
M.E.	Master of Engineering
	Mining Engineer : Tor.
M.Ec.	Master of Economics
Mech.E.	Mechanical Engineer
M.Econ.	Master of Economics
M.Ed.	Master of Education [Magister in die Opvoedkunde : Pret., Stell.]
	Master in Education : Manc.
M.Ed.Ph.	Master of Physical Education [Magister in Liggaamlike Opvoeding] : Stell.
M.Ed. (Phys.)	Master of Physical Education [Magister in Liggaamlike Opvoedkunde] : Pret.
M.E.E.	Master of Electrical Engineering
M.Eng.	Master of Engineering
M.Eng.Sc.	Master of Engineering Science
M.E. (Pub. Health)	Master of Engineering (Public Health)
Met.E.	Metallurgical Engineer
M.F.	Master of Forestry

M.H.Sc.	Master of Home Science
M.L.	Master of Laws
M.Lib.	Master of Library Science
M.Litt.	Master of Letters
M.L.S.	Master of Library Science
M.M.E.	Master of Mining Engineering
M.Mech.E.	Master of Mechanical Engineering
M.Med.	Master of Medicine [Magister in die Geneeskunde : Pret.]
M.Med.Sc.	Master of Medical Science
M.Met.	Master of Metallurgy
M.Met.E.	Master of Metallurgical Engineering
M.Mus.	Master of Music [Maître en Musique : Montr. ; Magister in die Toonkuns : Stell.]
M.O.	Master of Obstetrics
M.O.G.	Master of Obstetrics and Gynæcology
M.O.L.	Master of Oriental Learning
M.P.	Master of Planning
M.Pharm.	Master of Pharmacy [Maître en Pharmacie : Laval, Montr.]
M.Ps.Sc.	Master of Psychological Science
M.Rad.	Master of Radiology
M.R.I.	Master of Industrial Relations [Maître en Relations industrielles] : Montr.
M.S.	Master of Surgery
M.S.A.	Master of Science in Agriculture [Maître ès Sciences agricoles : Montr.]
M.Sc.	Master of Science [Maître ès Sciences : Montr. ; Magister in die Wis- en Natuurkunde : Pret. ; Magister in die Natuurwetenskappe : Stell.]
	Master of Sciences [Maître ès Sciences] : Laval, Ott.
	Master of Science in Applied and Industrial Chemistry : Cape T.
	Master of Science in Engineering : Cape T.
	Master of Science in Land Surveying : Cape T.
M.Sc.A.	Master of Applied Science [Maître en Sciences appliquées] : Montr.
M.Sc., Ag.	Master of Science in Agriculture
M.Sc.Ag.	Master of Science in Agriculture
M.Sc.Agr.	Master of Science in Agriculture
M.Sc. (Agr.)	Master of Science (Agriculture)
M.Sc. (Agri.)	Master of Science (Agriculture)
M.Sc.Agric.	Master of Science in Agriculture
	Master of the Science of Agriculture : Ceyl.
M.Sc. (Agric.)	Master of Science in Agriculture
	Master of Science (Agriculture) : Lond.
	Master of Agriculture [Magister in Landbou] : Pret.
M.Sc. (Agric.Eng.) [M.Sc. (Agric. Ing.)]	Master of Agricultural Engineering [Magister in Landbou-Ingenieurswese] : Pret.

M.Sc.App.	Master of Applied Science
M.Sc. (Applied)	Master of Applied Science
M.Sc.Chem Tech.	Master of Science in Chemical Technology
M.Sc. (Chem. Tech.)	Master of Science in Chemical Technology
M.Sc. (C.P.)	Master of Science (Community Planning)
M.Sc. (Dent.)	Master of Science in Dentistry
M.Sc. (Dom.Sc.)	Master of Domestic Science [Magister in Huishoudkunde] : Pret.
M.Sc. (Econ.)	Master of Science in Economics Master of Science (Economics) : Lond.
M.Sc.Eng.	Master of Science in Engineering Master of the Science of Engineering : Ceyl.
M.Sc. (Eng.)	Master of Science in Engineering Master of Science (Engineering) : Lond.
M.Sc. (Est.Man.)	Master of Science (Estate Management)
M.Sc.F.	Master of the Science of Forestry Master of Science in Forestry : New Br., Melb.
M.Sc. (Hort.)	Master of Science in Horticulture
M.Sc. in Arts	Master of Science in Arts
M.Sc. in Bosbou	Master of Science in Forestry [Magister in die Natuurwetenskappe in Bosbou] : Stell.
M.Sc.Ing.	Master of Science in Engineering [Magister in die Natuurwetenskappe in Ingenieurswese] : Stell.
M.Sc. in Huishoudkunde	Master of Science in Home Economics [Magister in die Natuurwetenskappe in Huishoudkunde] : Stell.
M.Sc. in Landbou	Master of Science in Agriculture [Magister in die Natuurwetenskappe in Landbou] : Stell.
M.Sc.Med.	Master of Science in Medicine
M.Sc. (Medical)	Master of Science (Medical)
M.Sc. (Min.)	Master of Science in Mining
M.Sc.N.	Master of Science–nutrition [Maître ès Sciences-nutrition] : Montr.
M.Sc. (Q.S.)	Master of Quantity Surveying [Magister in Bourekenkunde] : Pret.
M.Sc.Soc.	Master of Social Sciences [Maître en Sciences sociales] : Laval Master of Social Science [Maître ès Sciences sociales] : Montr.
M.Sc.Sur.	Master of Science in Land Surveying
M.Sc.Tech.	Master of Technical Science
M.Sc. (Tech.)	Master of Science (Technology)
M.Serv.Soc.	Master of Social Service [Maître en Service social] : Laval
M.Soc.Sc.	Master of Social Science
M.Soc.Sc. (S.W.)	Master of Social Science (Social Welfare)
M.S.S.	Master of Social Work [Maître en Service social] : Montr.
M.S.W.	Master of Social Work
M.T.	Master of Teaching

M.Tech.	Master in Technology
M.Th.	Master of Theology
Mus.B.	Bachelor of Music
Mus.Bac.	Bachelor of Music
	Bachelor in Music : Acad.
Mus.D.	Doctor of Music
Mus.Doc.	Doctor of Music
Mus.M.	Master of Music
Mus.Mas.	Master in Music
M.V.Sc.	Master of Veterinary Science
Ph.D.	Doctor of Philosophy [Docteur en Philosophie : Montr., Ott.]
	Doctor in Philosophy : Liv.
Phm.B.	Bachelor of Pharmacy
Sc.D.	Doctor of Science
S.T.M.	Master of Theology
Th.B.	Bachelor of Theology
Th.D.	Doctor of Theology
Th.M.	Master of Theology
Vet.M.B.	Bachelor of Veterinary Medicine

C. ABBREVIATIONS FOR ORDERS, DECORATIONS AND QUALIFICATIONS OTHER THAN UNIVERSITY DEGREES

For reasons of space, non-University distinctions are omitted from the staff lists, with the exception of honours conferred by the Crown or by the head of a foreign government, and of certain Fellowships of learned bodies as set out in this list. No disparagement is, of course, intended of professional or other non-academic qualifications which cannot be included in this work.

The abbreviations used are not in all cases those adopted by the body concerned, *e.g.* F.I.P. is used instead of F.Inst.P.

A.F.C.	Air Force Cross.
A.F.M.	Air Force Medal.
B.E.M.	British Empire Medal.
C.B.	Companion of the Bath.
C.B.E.	Commander Order of British Empire.
C.G.	Croix de Guerre.
C.G.M.	Conspicuous Gallantry Medal.
C.H.	Companion of Honour.
Chev. Lég. d'H.	Chevalier de la Légion d'Honneur.
C.I.	Imperial Order of the Crown of India.
C.I.E.	Companion of the Order of the Indian Empire.
C.M.G.	Companion of the Order of St. Michael and St George.
Comm. Lég. d'H.	Commandeur de la Légion d'Honneur.
C.S.I.	Companion of the Order of the Star of India.
C.V.O.	Commander of the Royal Victorian Order.
D.B.E.	Dame of the Order of the British Empire.
D.C.M.	Distinguished Conduct Medal.

D.F.C.	Distinguished Flying Cross.
D.F.M.	Distinguished Flying Medal.
D.L.	Deputy-Lieutenant.
D.S.C.	Distinguished Service Cross.
D.S.M.	Distinguished Service Medal.
D.S.O.	Companion of the Distinguished Service Order.
F.A.A.A.S.	Fellow of the American Association for the Advancement of Science.
F.A.A.O.S.	Fellow of the American Academy of Orthopædic Surgeons.
F.A.C.D.	Fellow of the American College of Dentists.
F.A.C.P.	Fellow of the American College of Physicians.
F.A.C.S.	Fellow of the American College of Surgeons.
F.A.I.	Fellow of the Auctioneers' Institute.
F.A.I.A.	Fellow of the American Institute of Architects.
F.A.I.E.E.	Fellow of the American Institute of Electrical Engineers.
F.Am.G.S.	Fellow of the American Geological Society.
F.A.P.S.	Fellow of the American Physical Society.
F.A.S.A.	Fellow of the Australian Society of Accountants.
F.B.A.	Fellow of the British Academy.
F.B.Ps.S.	Fellow of the British Psychological Society.
F.C.A.	Fellow of the Institute of Chartered Accountants.
F.C.A.A.	Fellow of the Australian Institute of Cost Accountants.
F.C.A.(Aust.)	Fellow of the Institute of Chartered Accountants in Australia.
F.C.I.C.	Fellow of the Canadian Institute of Chemistry.
F.C.I.S.	Fellow of the Chartered Institute of Secretaries.
F.C.S.	Fellow of the Chemical Society.
F.D.S.	Fellow of the Dental Society.
F.D.S.R.C.S.	Fellow of the Royal College of Surgeons in Dental Surgery.
F.E.I.S.	Fellow of the Educational Institute of Scotland.
F.F.A.	Fellow of the Faculty of Actuaries.
F.F.A.R.C.S.	Fellow of the Faculty of Anæsthetists, Royal College of Surgeons.
F.F.R.	Fellow of the Faculty of Radiologists.
F.G.S.	Fellow of the Geological Society.
F.G.S.A.	Fellow of the Geological Society of America.
F.I.A.	Fellow of the Institute of Actuaries.
F.I.A.N.Z.	Fellow of the Institute of Actuaries of New Zealand.
F.I.C.D.	Fellow of the International College of Dentists.
F.I.F.	Fellow of the Institute of Fuels.
F.I.I.A.	Fellow of the Institute of Industrial Administration.
F.I.M.	Fellow of the Institute of Metallurgists.
F.I.P.	Fellow of the Institute of Physics.
F.I.S.E.	Fellow of the Institution of Structural Engineers.
F.L.A.	Fellow of the Library Association.
F.L.S.	Fellow of the Linnean Society.
F.N.I.	Fellow of the National Institute of Sciences (India).

F.N.Z.I.A.	Fellow of the New Zealand Institute of Architects.
F.N.Z.I.C.	Fellow of the New Zealand Institute of Chemistry.
F.P.A.N.Z.	Fellow, Public Accountant, New Zealand.
F.R.A.C.P.	Fellow of the Royal Australian College of Physicians.
F.R.A.C.S.	Fellow of the Royal Australian College of Surgeons.
F.R.A.I.	Fellow of the Royal Anthropological Institute.
F.R.A.I.A.	Fellow of the Royal Australian Institute of Architects.
F.R.A.M.	Fellow of the Royal Academy of Music.
F.R.A.N.Z.	Fellow, Registered Accountant, New Zealand.
F.R.Ae.S.	Fellow of the Royal Aeronautical Society.
F.R.A.S.	Fellow of the Royal Astronomical Society.
F.R.B.S.	Fellow of the Royal Society of British Sculptors.
F.R.C.M.	Fellow of the Royal College of Music.
F.R.C.O.	Fellow of the Royal College of Organists.
F.R.C.O.G.	Fellow of the Royal College of Obstetricians and Gynæcologists.
F.R.C.P.	Fellow of the Royal College of Physicians, London.
F.R.C.P.Can.	Fellow of the Royal College of Physicians, Canada.
F.R.C.P.Ed.	Fellow of the Royal College of Physicians, Edinburgh.
F.R.C.P.I.	Fellow of the Royal College of Physicians, Ireland.
F.R.C.S.	Fellow of the Royal College of Surgeons of England.
F.R.C.S.Can.	Fellow of the Royal College of Surgeons of Canada.
F.R.C.S.Ed.	Fellow of the Royal College of Surgeons of Edinburgh.
F.R.C.Sc.I.	Fellow of the Royal College of Science of Ireland.
F.R.C.S.I.	Fellow of the Royal College of Surgeons of Ireland.
F.R.C.V.S.	Fellow of the Royal College of Veterinary Surgeons.
F.R.E.S.	Fellow of the Royal Economic Society.
F.R.F.P.S.Glas.	Fellow of the Royal Faculty of Physicians and Surgeons of Glasgow.
F.R.Hist.S.	Fellow of the Royal Historical Society.
F.R.I.A.I.	Fellow of the Royal Institute of Architects of Ireland.
F.R.I.A.S.	Fellow of the Royal Institute of Architects of Scotland.
F.R.I.B.A.	Fellow of the Royal Institute of British Architects.
F.R.I.C.	Fellow of the Royal Institute of Chemistry.
F.R.I.C.S.	Fellow of the Royal Institution of Chartered Surveyors.
F.R.Met.S.	Fellow of the Royal Meteorological Society.
F.R.S.	Fellow of the Royal Society.
F.R.S.A.	Fellow of the Royal Society of Arts.
F.R.San.I.	Fellow of the Royal Sanitary Institute.
F.R.S.C.	Fellow of the Royal Society of Canada.
F.R.S.L.	Fellow of the Royal Society of Literature.
F.R.S.N.Z.	Fellow of the Royal Society of New Zealand.
F.R.S.S.Af.	Fellow of the Royal Society of South Africa.
F.S.A.	Fellow of the Society of Antiquaries.
F.S.A.A.	Fellow of the Society of Incorporated Accountants and Auditors.
F.S.A.L.A.	Fellow of the South African Library Association.
F.S S.	Fellow of the Statistical Society.
F.T.C.L.	Fellow of Trinity College of Music, London.
F.T.I.	Fellow of the Textile Institute.

G.B.E.	Knight or Dame Grand Cross Order of the British Empire.
G.C.	George Cross.
G.C.B.	Knight Grand Cross of the Bath.
G.C.I.E.	Knight Grand Commander of the Indian Empire.
G.C.M.G.	Knight Grand Cross of St. Michael and St. George.
G.C.S.I.	Knight Grand Commander of the Star of India.
G.C.V.O.	Knight or Dame Grand Cross of the Royal Victorian Order.
G.M.	George Medal.
I.S.O.	Imperial Service Order.
K.B.E.	Knight Commander Order of the British Empire.
K.C.B.	Knight Commander of the Bath.
K.C.I.E.	Knight Commander of the Indian Empire.
K.C.M.G.	Knight Commander of St. Michael and St. George.
K.C.S.I.	Knight Commander of the Star of India.
K.C.V.O.	Knight Commander of the Royal Victorian Order.
K.G.	Knight of the Order of the Garter.
K.P.	Knight of the Order of St. Patrick.
K.T.	Knight of the Order of the Thistle.
M.B.E.	Member of the Order of the British Empire.
M.C.	Military Cross.
M.M.	Military Medal.
M.M. (U.S.A.)	Medal of Merit.
M.V.O.	Member Royal Victorian Order
O.A.	Officier de l'Académie.
O.B.E.	Officer Order of British Empire.
O.Lég.d'H.	Officier de la Légion d'Honneur.
O.M.	Order of Merit.
Q.C.	Queen's Counsel.
R.R.C.	Royal Red Cross.
T.D.	Territorial Decoration.
V.C.	Victoria Cross.
V.D.	Volunteer Officers' Decoration.

UNITED KINGDOM

UNIVERSITY OF BIRMINGHAM (p. 28).
UNIVERSITY OF BRISTOL (p. 57).
UNIVERSITY OF CAMBRIDGE (p. 78).
UNIVERSITY OF DURHAM (p. 121).
THE DURHAM COLLEGES (p. 127).
KING'S COLLEGE, NEWCASTLE UPON TYNE (p. 136).
UNIVERSITY OF HULL (p. 153).
UNIVERSITY OF LEEDS (p. 160).
UNIVERSITY OF LIVERPOOL (p. 186).
UNIVERSITY OF LONDON (p. 207).
UNIVERSITY OF MANCHESTER (p. 394).
UNIVERSITY OF NOTTINGHAM (p. 424).
UNIVERSITY OF OXFORD (p. 438).
UNIVERSITY OF READING (p. 492).
UNIVERSITY OF SHEFFIELD (p. 501).
UNIVERSITY OF SOUTHAMPTON (p. 517).
UNIVERSITY OF WALES (p. 525).
UNIVERSITY COLLEGE OF WALES, ABERYSTWYTH (p. 530).
UNIVERSITY COLLEGE OF NORTH WALES, BANGOR (p. 537).
UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE, CARDIFF (p. 543).
UNIVERSITY COLLEGE OF SWANSEA (p. 550).
WELSH NATIONAL SCHOOL OF MEDICINE (p. 555).
UNIVERSITY COLLEGE OF THE SOUTH WEST OF ENGLAND, EXETER (p. 562).
UNIVERSITY COLLEGE OF LEICESTER (p. 568).
UNIVERSITY COLLEGE OF NORTH STAFFORDSHIRE (p. 574).
ST. DAVID'S COLLEGE, LAMPETER (p. 579).
UNIVERSITY OF ABERDEEN (p. 580).
UNIVERSITY OF EDINBURGH (p. 595).
UNIVERSITY OF GLASGOW (p. 617).
ROYAL TECHNICAL COLLEGE, GLASGOW (p. 637).
UNIVERSITY OF ST. ANDREWS (p. 643).
THE QUEEN'S UNIVERSITY OF BELFAST (p. 657).

UNIVERSITIES OF THE UNITED KINGDOM

Historical and General Summary

Universities were an outcome of the intellectual revival in Europe during the 12th and 13th centuries. A *universitas* was a guild, or corporation. On the Continent the most famous centres of learning were Paris (a *universitas magistrorum*) and Bologna (a *universitas scholarium*). The two earliest British Universities, Oxford and Cambridge, were developed on the model of Paris, but their distinctive contribution was the establishment of the college system, dating from the founding of Merton College, Oxford, in 1264. Instruction was in the form of lectures by licensed teachers. To the seven liberal arts of the mediæval schools (the *trivium*—grammar, logic and rhetoric, and the *quadrivium* —arithmetic, geometry, music and astronomy) were added the three higher " Faculties " of theology, law and medicine to provide preparation for the learned professions. The Scottish Universities, except Edinburgh, were founded in the 15th century. The mediæval scholastic tradition persisted in St. Andrews and Glasgow until the 17th century, but Aberdeen was more receptive of Renaissance influences. The University of Edinburgh originated in a College established by the Town Council in 1583.

After the Reformation a demand arose in England for education of a more secular type, but the Acts of Uniformity (1559 and 1662) and similar measures stereotyped the schools and Universities as Anglican institutions ; by the latter half of the 18th century teaching had become mainly traditional and formal, and life in the Colleges of Oxford and Cambridge was more social than academic. The Scottish Universities, served by better schools, took life more seriously, though standards were low.

Readjustment to modern conditions took place in the course of the 19th century. Already in 1779 Protestant Dissenters, and in 1791 Roman Catholics, had been admitted to the teaching profession. The few denominational tests retained by the older Universities were abolished in 1871. At Cambridge the first mathematical Tripos list was issued in 1747–48 and written examinations were introduced about 1772 ; at Oxford a new examination statute was passed in 1800 and the amount of written work gradually increased. The University Commissioners of 1850 and 1877 made provision at Oxford and Cambridge for the endowment of teaching and scholarships in modern subjects. This did much to

make the Universities accessible to all classes. Further important constitutional and other changes were made at Oxford and Cambridge by the Statutory Commission appointed in 1923.

In 1836 a charter was granted to the University of London empowering it to confer degrees on students of University College (founded on an undenominational basis as the " University of London " in 1826) and of King's College (founded on an Anglican basis in 1829) and of such other institutions as might become affiliated for purposes of examination. The University was reconstituted in 1900. The University of Durham was founded on the model of Oxford in 1832 and partly endowed out of the funds of the See and Chapter of Durham. It was later incorporated with the College of Medicine and Armstrong College, both in Newcastle. The modern civic Universities in England are a product of the second half of the 19th century, the Colleges in which the various present-day Universities originated having been founded as follows : Owens College, Manchester, 1851 ; Yorkshire College, Leeds, 1874 ; University College, Bristol, 1876 ; Firth College, Sheffield, 1879 ; Mason College, Birmingham, 1880 ; University College, Liverpool, 1881 ; University College, Nottingham, 1881 ; University Extension College, Reading, 1892 ; Hartley University College, Southampton, 1902 ; University College, Hull, 1927. (Three of these, namely University College, Nottingham ; Hartley University College, Southampton ; and University College, Hull, have reached University status only in the years following the second World War.) Created to minister to local needs and supported largely by local benefactions, they all tended to be interested in local industries, and from the first laid stress upon the study of mathematical, scientific and " modern " subjects. Reading, situated in a smaller town, laid emphasis on agricultural subjects and made more provision for resident students. In London, the Royal College of Science, the Royal School of Mines, and the City and Guilds (Engineering) College, founded in 1881, became integral parts of the Imperial College of Science and Technology (now a school of the University of London) established in 1907 to provide for instruction and research in the various branches of science, especially in its application to industry.

A University of Wales was projected early in the 15th century, and the project was revived in Cromwell's time, but it was not founded until 1893. The constituent colleges at Aberystwyth, Cardiff, Bangor and Swansea were founded in 1872, 1883, 1884 and 1920, largely out of funds collected in very small sums at the doors of churches and chapels. The Welsh National School of Medicine at Cardiff was incorporated in the University in 1931.

Queen's College, Belfast, founded in 1845, became in 1850 one of the three Colleges of the " Queen's University in Ireland," which was replaced in 1879 by a purely examining body called the Royal University of Ireland. This was dissolved in 1908 when the Queen's University of Belfast (in effect, Queen's College raised to University rank) was established.

There are still two University Colleges, namely the University College of the South West of England, Exeter, and the University

College of Leicester, without the right of awarding their own degrees; their students are prepared for the external degrees of the University of London. In 1949 the University College of North Staffordshire was established with power to give a B.A. degree. The only other degree-giving institution in the country is St. David's College, Lampeter, which was empowered by Royal Charter in the 19th century to give Bachelor's degrees in Theology and in Arts.

The Universities of the United Kingdom are self-governing institutions. At Oxford the chief legislative body is the Congregation of the teaching and administrative staffs of the University and Colleges. Statutes are proposed to it by a small elected body, the Hebdomadal Council, and these, if adopted, may be postponed but not rejected or amended by the Convocation of all graduates who have kept their names on the books of a College. At Cambridge the corresponding bodies are respectively the Regent House, the Council of the Senate and the Senate. The chief academic officer at each University is the Vice-Chancellor, chosen from the Heads of Colleges to hold office for two or three years, the Chancellor usually being a graduate of great public distinction, elected by the graduates of the University. His office is mainly one of honour. The Colleges of Oxford and Cambridge are also self-governing and self-perpetuating bodies.

The general pattern in the other Universities in England and Wales is that there is usually a large Court as the official governing body, the executive functions of which are entrusted to a smaller Council which includes both lay and academic members and meets regularly for the transaction of official (including financial) business. The nominal head of the University is the Chancellor, but the principal executive and academic head is a permanent full-time Vice-Chancellor. The chief academic body is the Senate, consisting of the Professors and usually some representatives of the non-professorial teaching staff, while each of the major divisions of the University usually has a Faculty or Board of Faculty for consideration of its own particular academic problems. In most of these Universities there is also an official assembly of graduates (Convocation) with limited rights of expressing views on matters of University policy. In London this constitutional pattern is modified to suit the requirements of a great federal University. There the Court, a relatively small body, is supreme in questions of finance while control of academic matters is vested in the Senate; the Vice-Chancellorship is an elective office held for two, or sometimes three, years, but the University has an additional executive officer with permanent tenure, with the title of Principal.

The Scottish Universities have a similarly elected Chancellor as their nominal head. The chief executive officer is the Principal, who is, except at Edinburgh, appointed by the Crown, and usually also nominated by the Chancellor to act as Vice-Chancellor in his absence, *e.g.* at the conferment of degrees. The Senatus, consisting of all the Professors and some Readers and Lecturers, deals with all strictly academic business. The chief body of government is the University Court, a small body of certain lay members and of Professors elected for a period of years by the Senatus. The Court deals with all financial business and

appointments, other than those to "Crown Chairs." The General Council of all the graduates has the right of expressing opinions on certain proposed changes.

As has been already noted, a characteristic of British Universities, as compared with those of the continent of Europe, has from the earliest days been the provision of Colleges or Halls of Residence, in which students live as members of a social community subject to the influence of corporate life. The extent of this provision varies considerably, however, from place to place, and in all the Universities a substantial proportion of the students live in their own homes or in lodgings (which are usually subject to some form of licensing or supervision by the University authorities). Of the full-time students at Universities and University Colleges in Gt. Britain in 1952–53, 27·3 per cent. resided in Colleges and Halls of Residence, 40 per cent. in lodgings, and 32·7 per cent. at home.*

Women were first admitted to degrees by the University of London in 1878. Bedford College had already been founded in 1849; the three other women's Colleges in the University of London were founded, Westfield in 1882, Holloway in 1886 and King's in 1892. The last was merged in King's College, London, in 1915. King's College of Household and Social Science (now Queen Elizabeth College) was founded in 1908 as a department of King's College for Women, and became a separate "School" of London University in 1928. At Oxford, Lady Margaret Hall was founded in 1878, Somerville in 1879, St. Hugh's in 1886, St. Hilda's in 1893 and St. Anne's (formerly the Society of Oxford Home-Students, established in 1879) in 1952. Of the Cambridge Colleges, Girton originated at Hitchin in 1869 and was removed to the near neighbourhood of Cambridge in 1873. Newnham was founded in 1880. Oxford admitted women to examinations in 1884, to degrees and full membership in 1920 and to University teaching posts in 1927. Cambridge admitted women informally to Tripos examinations in 1872 and to "titles of degrees" in 1923; in 1926 women were declared eligible for University teaching posts and therefore for membership of Boards of Faculties, but not until 1948 were they admitted to actual degrees and full membership of the University. Women have been admitted to the Universities of Scotland since 1892, to Durham since 1896 and to all the modern civic Universities from their foundation.

The academic year is divided into three terms, which run usually from about the beginning of October to the middle of December; middle of January to end of March; middle of April to end of June or beginning of July. The principal degree examinations are usually held before the end of the third term.

University Grants Committee

Unlike those of some other countries, the Universities of the United Kingdom have been, since their origin, independent of State control, although for many years they have been in receipt of State aid.

* *University Grants Committee: Returns from Universities and University Colleges in receipt of Treasury Grant, Academic Year 1952–53* (H.M.S.O., 1954). Cmd. 9130.

In July 1919 a Standing Committee of the Treasury was established under the title of the University Grants Committee with the following terms of reference : " To enquire into the financial needs of university education in the United Kingdom and to advise the Government as to the application of any grants that may be made by Parliament towards meeting them."

The total of the grants made available for distribution to Universities and the independent University Colleges was £916,000 in 1919–20, £1,800,000 in 1929–30 and £2,224,000 in 1939–40, by which time it was rather over a third of the entire income of the Universities. The annual grants were maintained unchanged at this level during the second World War. Before the end of that war much consideration was given to the post-war problems which were likely to beset the Universities and Colleges and it became clear that there would be a greater demand than there had ever been for the expansion and improvement of facilities for University education. In 1943 the University Grants Committee was reconstituted and additional members were appointed. In 1946 the Committee's terms of reference were revised, and they were further amended in June 1952 to read as follows :

" To enquire into the financial needs of university education in Great Britain ; to advise the Government as to the application of any grants made by Parliament towards meeting them ; to collect, examine and make available information relating to University education throughout the United Kingdom ; and to assist, in consultation with the Universities and other bodies concerned, the preparation and execution of such plans for the development of the Universities as may from time to time be required in order to ensure that they are fully adequate to national needs."

The members of the Committee are appointed by the Chancellor of the Exchequer after consultation with the Minister of Education and the Secretary of State for Scotland. While they cover between them the main fields of University study, as well as certain interests outside the Universities, they are selected for their personal qualifications and serve in a personal capacity, not as representatives. The Committee has appointed a number of specialist Sub-Committees to assist it in considering particular spheres of academic activity. The Committee has its office at 38 Belgrave Square, London, S.W.1 (*Telephone* : Sloane 9912), the present Chairman being K. A. H. Murray, B.Sc., Ph.D., M.A., B.Litt., and the Secretary, Sir Edward Hale, K.B.E., C.B.

The annual Treasury payments to the Universities, made on the recommendation of the Committee, take the form of recurrent grants and non-recurrent grants. Recurrent grants are intended to supplement the general income of the Universities with a view to meeting their normal annual expenses. Non-recurrent grants are contributions towards the cost of capital investment in accordance with a programme arranged by the Committee in consultation with each University. These grants help to meet capital expenditure on the acquisition of sites, the construction or adaptation of buildings for academic purposes including Halls of Residence, and the initial purchase of furniture and equipment for new buildings.

The system of Treasury grants in aid of University expenditure is established on a quinquennial basis. Every five years the Government announce the total amount of money they intend to ask Parliament to provide during the ensuing quinquennium. The programme announced by the Chancellor of the Exchequer in February 1952, for the present quinquennium 1952–57, amounts to £111,750,000 in recurrent grant alone. It includes no figures for non-recurrent grant, for which the Chancellor stated that provision will be made annually in accordance with general investment policy.

The University Grants Committee publishes annually a statistical abstract * of student and financial figures relating to Universities and University Colleges in receipt of Treasury grant, and reports quinquennially on their progress and financial needs. The most recent of these reports are : *University Development from 1935 to 1947* (H.M.S.O., 1948) and *University Development : Report on the Years 1947 to 1952* (H.M.S.O., 1953), Cmd. 8875.

In 1952–53 (the latest period for which complete returns of University income are available), recurrent Treasury grants had risen to 67·2 per cent. (£19,970,000) of University income. The remainder was derived from fees of various kinds (including Ministry of Education Tuition Grants for Teachers in Training) : 12·7 per cent. (£3,764,749) ; grants made by Government Departments other than the Treasury : 2·4 per cent. (£712,415) ; endowments for general and particular purposes : 4·4 per cent. (£1,311,884) ; local authority grants : 3·6 per cent. (£1,065,913) ; donations and subscriptions : 1·6 per cent. (£483,416) ; other income : 8·1 per cent. (£2,389,706). In addition, non-recurrent Treasury grants amounting to £5,746,470 were made.

Students

The number of full-time students in 1952–53 at Universities and University Colleges which were in receipt of Treasury grant is given by the University Grants Committee * as 81,474, including 19,688 women. This compares with 83,458 in the immediately preceding year (1951–52) and with 50,002 in the last year before the war (1938–39). Of the full-time students in 1952–53, 64,753 were reading for a first degree, 5064 were reading for a first diploma and 11,657 were engaged in research or other advanced work. There were also 15,855 part-time students (compared with 17,058 in 1951–52), of whom 1732 were reading for a first degree, 1710 were reading for a first diploma, 4833 were engaged in research or other advanced work and 7580 were " occasional students " (*i.e.* persons taking intra-mural courses which, though of University standard, did not lead to a degree or diploma). The number of students admitted for the first time in 1952–53 was 21,355, of whom 19,683 were reading for a first degree and 1672 for a first diploma.

The totals given above do not take account of the students of the Queen's University of Belfast or of certain schools of the University of London which are not included in the Returns of the University Grants Committee because they were not in receipt of Treasury grant. There

* *See* footnote to p. 6.

are also many students reading for external degrees of the University of London (*see* p. 223) who are in full-time attendance at institutions which prepare students for the external examinations of the University of London but are not part of the University. These students are not included in the totals given above, nor are the students of institutions other than Universities and University Colleges in which professional education of University level is given in Theology, Teaching, Agriculture, etc.; nor students reading for the Bar. This makes comparison with statistics of foreign countries difficult, as does also the fact that the work of the higher forms of many of the schools in Britain corresponds to the earlier stages of the work done in Colleges and collegiate departments of Universities in some other countries.

Scholarships

Few countries offer a richer variety than the United Kingdom of facilities for access to the highest forms of education. The annual Returns of the University Grants Committee * state that 70·4 per cent. of the full-time students at Universities and University Colleges in 1952–53 received some kind of financial assistance from scholarships, exhibitions or other awards, whether from public or private funds, which provided wholly or in part for the payment of their fees and other expenses. The main sources are as follows:

(i) *Universities, Colleges of Universities and University Colleges.* Details of "open" scholarships and exhibitions awarded from these sources may be obtained from the official Calendars or Handbooks of the individual institutions, but no particulars are readily available to show the total number or value in a given year.

(ii) *Local Education Authorities.* In England and Wales, the awards made by local education authorities are based on performance in the examination for the General Certificate of Education or in examinations of comparable standard and are intended generally to meet the needs of able students who have not succeeded in winning a State Scholarship (*see* below). The awards are of two main types: *major* awards, assessed to cover the cost of fees and of maintenance during the academic year and usually during vacations also, less a contribution from the student or his parents on a graduated income scale; and *minor* awards offering assistance on a smaller scale to able students. In 1953–54, 30,630 students were being assisted in this way, of whom 26,361 held major and 4269 minor awards, 9000 major and 928 minor awards being taken up for the first time. The expenditure of local education authorities in 1952–53 on major awards was £5,115,803 and on minor awards £690,094. In Scotland, during 1952–53, education authorities awarded bursaries totalling about £452,173 to 4844 students to enable them to attend Universities in the United Kingdom. The amount of each bursary is determined by deducting the contribution of the student or his parents (calculated on a fixed scale) from the cost of the course including fees and other necessary expenditure and of an allowance for maintenance during term-time and in vacations.

* *See* footnote to p. 6.

(iii) (*a*) *Ministry of Education.* The Ministry offers assistance to University students mainly in the form of State Scholarships awarded annually to students who are ordinarily resident in England or Wales. There are four types of State Scholarship : the *first* type is awarded on the recommendation of the bodies which conduct the examinations for the General Certificate of Education. 2700 new awards were offered in 1953 and, in all, 5622 were held in 1953–54. The *second* type is awarded, as an additional source of aid, to students who have already won an " open " scholarship or exhibition (*i.e.* an award the entry for which is unrestricted) at a University, College of a University or University College (*see* p. 9). In 1953, 1444 new State Scholarships were offered to holders of University awards and, in all, 3825 were held in 1953–54. The *third* and *fourth* types of State Scholarship are termed respectively Technical State Scholarships and Mature State Scholarships (intended for students of mature age). They assist students who have taken full-time or part-time courses in establishments of further education to follow a degree course. 120 new Technical and 30 new Mature State Scholarships were offered in 1953 and, in all, 357 and 87 respectively were held in 1953–54. The value of all types of State Scholarship is assessed at a level sufficient (with a contribution from the student or his parents, if required) to cover the full cost of the course including tuition fees and maintenance during the normal academic year. The mature awards are, however, assessed on rather more generous lines. The Ministry's estimates for the financial year 1954–55 include over £2,000,000 for State Scholarships of all types.

(iii) (*b*) *Scottish Education Department.* The Department awards bursaries to Scottish students who have insufficient residential connexions to qualify for awards from Scottish education authorities to enable them to attend Scottish Universities or other educational establishments. In 1952–53, 5 University bursaries totalling £577 were awarded. In addition, the Department awards Supplemental Allowances, which are analogous to the second type of State Scholarships awarded by the Ministry of Education, to Scottish students who have won approved open scholarships tenable at English Universities. In 1952–53, 59 such allowances totalling £10,234 were awarded.

(iv) *Charities and Trusts.* Many schools, often of ancient foundation, have endowments which are used to assist their pupils to proceed to a University. There are, in addition, a large number of educational charities and trusts, unattached to schools, with power to offer exhibitions or scholarships. Information about the awards available in any particular area can usually be obtained on application to the local education authority. The scholarships and exhibitions offered from these sources very often supplement other awards.

Of particular importance in Scotland is the CARNEGIE TRUST FOR THE UNIVERSITIES OF SCOTLAND, 22 Hanover Street, Edinburgh. Secretary and Treasurer : John R. Peddie, C.B.E., D.Litt. The annual income of the Trust is about £133,000, devoted to (A) the improvement and expansion of the Universities of Scotland in Science, Medicine, History, Economics and Mod. Langs.; (B) extending opportunities for post-graduate study and research; and (C) assisting Scottish students in

the payment of Univ. class fees. Assistance in the payment of class fees is confined to persons who do not hold bursaries awarded by local Education Authorities or to those holders of Education Authority bursaries the amount of which would seem to warrant additional aid from this Trust. Class fees paid for 1952–53 amounted, in all, to £20,003 and Research Fellowships, Scholarships and Grants to £32,646. Under the Quinquennial Scheme of Distribution for the period from Oct. 1, 1952, to Sept. 30, 1957, there has been allocated a sum of £284,000, distributed annually thus: St. Andrews—£10,000; Glasgow—£16,000; Aberdeen —£10,000; Edinburgh—£16,000. These "centres" include certain extra-mural Colleges to which, in all, grants of £4800 were made.

ADMISSION TO FIRST DEGREE COURSES. *See* Appendix I.

POSTGRADUATE AWARDS (FELLOWSHIPS, SCHOLARSHIPS, GRANTS, etc.). *See* Appendix II.

DEGREES CONFERRED BY THE UNIVERSITIES OF THE UNITED KINGDOM

The older Universities have developed out of the Universities of the Middle Ages under the compulsion of internal forces, with very little influence from outside. The historical continuity of their evolution and their individual independence account for certain customs and usages in which they differ one from another and from Universities in other countries. Their titles of degrees afford an illustration of this. A University of the Middle Ages was a Guild of learned men. Teaching was the craft of the Guild, whose fellowship carried with it the right to teach. An admitted aspirant for fellowship was termed a bachelor. The members of the Guild recognized his apprenticeship after submitting him to certain tests or, as we should term them, examinations. After gaining some experience in teaching, and successfully maintaining a thesis in public disputation, the bachelor attained to his degree. Admitted into the Guild, with its *jus ubique docendi*, he was known indifferently as doctor, master or professor. Still following this ancient usage, the first Arts degree in Scotland is the mastership, M.A. In Oxford and Cambridge, where the examination for the bachelorship grew to be the determining test, the mastership, which carries with it all the privileges of membership of the Guild or Senate, follows without further examination after an interval of two or three years, but in no case less than six years from matriculation. For convenience in standardizing the attainments of their alumni, modern Universities have divided the degree into stages—usually described as the "first" and the "higher" degrees—Bachelorship, Mastership and Doctorate. Notes on the regulations relating to these degrees are given below and a list of abbreviations for the various titles of degrees awarded by Universities appears in the preliminary pages.

First Degrees in Arts and Science

The conferment of a first degree marks the satisfactory completion of a three or four years' University course. At Oxford and Cambridge, where the Faculty of Arts is not sub-divided, B.A. is the first degree

whether the course leading to it be literary or scientific, but at all other Universities a course in Arts leads to the B.A. (in Scotland, M.A.), in Science to the B.Sc., and similarly to other titles in other departments of knowledge (*see* below). At St. Andrews the B.Litt. may be taken either conjointly with, or after, the M.A., whereas the B.Phil. of St. Andrews and the B.Litt. of Glasgow are higher degrees awarded only after advanced study. At Oxford the B.Litt. and the B.Sc. are higher degrees which are awarded only for special study and research, like the M.Litt. and the M.Sc. of Cambridge; there is no B.Sc. or B.Litt. at Cambridge.

First degree courses are of two main kinds, those in which the student specializes with some intensity, and those which enable him to spread his studies over a wider field but less intensively. Even in the latter there is always some correlation of subjects so that collectively they constitute a unified discipline. Universities describe these two types by different names; formerly the intensive kind was usually called an *Honours* degree and the other kind a *Pass* or *Ordinary* degree. These terms are still used but alternatively in some Universities they are called *Special* and *General* degrees. Special degrees are usually awarded with Honours, and General degrees may be awarded with Honours at some Universities.*

---

* General Honours Degrees in Arts. *Birmingham*—Hons. awarded in Gen. B.A. Examn. where sufficient merit shown. Gen. degree course given similar standing to course in a Spec. School; no course arranged for an Ord. degree. *Bristol*—Distinction between Ord. degree and degree with Hons. abolished. B.A. now conferred as Gen. degree or as Spec. degree; Hons. may be awarded in either. *Hull*—B.A. conferred either as Spec. degree in one main subj. or as Joint degree in 2 main subjs.; Hons. may be awarded in either. *Leeds*—B.A. conferred either in Gen. Studies or in Spec. Studies; Hons. may be awarded in either. For Gen. Studies degree candidates required to pursue courses in 3 approved subjs. for 3 yrs. and in approved subj. for 1 yr. *Liverpool*—B.A. conferred either as degree in Gen. Studies or as degree in Spec. Studies in 1 of Schools of Fac. Hons. may be awarded in both Gen. and Spec. Studies. *London*—Hons. not awarded at Examn. for B.A. (General) degree, at which 3 subjs. are taken. *Nottingham*—Hon. School of Gen. Studies in Arts established with standing similar to single subj. Hon. Schools. At present only Hons. combinations which may be offered in this Sch. are: Engl. and Philos.; Engl. and Econ. Hist.; German and Philos. For first 2 yrs. of course students read a 3rd subj. in addition to 2 selected for Hons. *Reading*—Composite Hons. Schools in Philos. and Engl. Lit., Philos. and German, Gk. and Engl. Lit., Lat. and Engl. Lit., Econ. and Soc. Psychol., Econ. and Soc. Philos. From 1955, Hons. may also be awarded in B.A. (Gen.) Examn. *Sheffield*—Hons. awarded in Gen. B.A. Examn. *Southampton*—Combined Hons. Schools in Classics, a Classical Lang. and Engl., and Philos. and Pure Maths. (Hons. not awarded for Gen. degree, although successful candidates classified as 1st, upper or lower 2nd class, or pass, with distinctions for named subjs. in which 1st class standard is reached.) *North Staffordshire*—B.A. awarded, after 4 yrs.' study, either as Ord. degree or with Hons. according to standard reached. This degree covers lit., social and scientific studies.

General Honours Degrees in Science. *Bristol*—Hons. degree in Gen. Sci. 3 subjs., together with course on Developt. of Sci. *Durham*—Gen. Hons. degree in Sci. instituted, courses available at King's Coll., Newcastle upon Tyne. *Hull*—B.Sc. conferred either as Spec. degree in one main subj., or as

A convenient guide indicating the single subjects or combinations of two or three subjects in respect of which Universities offer Honours or Special degrees is contained in the directory section of *Higher Education in the United Kingdom: A Handbook for Students from Overseas* (Longmans, Green, 1954). The regulations governing the award of such degrees are too complex to be conveniently summarized here, but full details are given in the University Calendars and Faculty Handbooks.

Other Titles of Bachelors' Degrees conferred by various Universities

B.A. (Admin.), Manchester; B.A. in Arch., London; B.A. (Com.), Manchester; B.A. (Econ.), Bristol, Durham, Manchester, Sheffield; B.A. (Law), Southampton; B.A. (Mus.), Manchester; B.A. (Theol.), Manchester; B. Agr., Belfast; B.Arch., Durham, Liverpool, Wales; B.Com., Birmingham, Leeds, Liverpool, London, Edinburgh, St. Andrews; B.Eng., Liverpool, Sheffield; B.Met., Sheffield; B.Sc. (Agr.), Aberdeen; B.Sc. (Agric.), London; B.Sc. (Dom. Sc.), Bristol; B.Sc. (Econ.), Hull, London, Southampton, Belfast; B.Sc. (Eng.), London, Southampton, Aberdeen; B.Sc. (Est. Man.), London; B.Sc. (For.), Aberdeen; B.Sc. (Hort.), London; B.Sc. (Household Science), London; B.Sc. (Nutrition), London; B.Sc. Tech., Manchester, Sheffield; B.Soc.Sc., Birmingham.

Higher Degrees in the Faculties of Arts, Science and Cognate Fields

Bachelorships

B.Litt., B.Sc. Awarded at Oxford for special study and research. The B.Litt. is awarded by Glasgow for advanced study for 2 yrs. At St. Andrews, the B.Litt. may be taken conjointly with, or after, the M.A. degree.

Joint degree in 2 main subjs. (Hons. may be awarded in either) or as Pass degree. *Leeds*—B.Sc. conferred either in Gen. Studies or in Spec. Studies; Hons. may be awarded in either. For degree in Gen. Studies candidates normally required to attend at least 9 Introd. and Gen. courses, of which 5 shall be Gen. courses and must include (*a*) courses in not less than 3 subjs. and (*b*) not less than 2 Gen. courses in each of 2 of these subjs. *Liverpool*—Gen. Sci. included among the Hons. Schools of the Fac. *London*—Hons. awarded in B.Sc. Gen. Examn.; 3 subjs. for 1 yr., 2 subjs. for 2 further yrs. *Manchester*—Hons. degree in Gen. Sci. conferred in any 1 of following sections: (*a*) Chem., Phys. and Maths.; (*b*) Bot., Zool. and Chem.; (*c*) Zool., Bot. and Geol.; (*d*) Geog. and Geol. or Bot. or Zool.; (*e*) Chem. and Physiol. with Elem. Phys. and Zool.; (*f*) Anat. and Physiol. *Nottingham*—In Hons. School of Combined Studies, students in 1st yr. read 3 subjs., 2 of which are carried on into the 2nd and 3rd yrs. *Reading*—Successful candidates in Final Examn. for B.Sc. (Gen.) (ordinarily in 3 Sci. subjs.) may qualify for a degree with Hons. (Gen.) in the 1st, 2nd or 3rd class. Normally, students in Fac. of Sci. follow course for B.Sc. (Gen.) before entering on course for B.Sc. (Spec.). *Sheffield*—Hons. may be awarded in Gen. B.Sc. Examn. under certain conditions. *Southampton*—1st and 2nd class Hons. awarded in Gen. B.Sc. Examn.

B.Phil. Awarded at Oxford to persons who have kept six terms statutory residence and have satisfied the examiners in an examn. in Philosophy or in Politics or in Economics (which may include a thesis on an approved subject) or in Greek and Latin Languages and Literature. The B.Phil. is awarded by St. Andrews for advanced study for one yr.

B.Ed., Edinburgh and Belfast; **Ed.B.**, Aberdeen, Glasgow, St. Andrews. Two yrs. after a first degree.

Masterships

M.A. At Cambridge a B.A. may, without further examination, proceed to the M.A. at the close of the 6th yr. after the end of his first term; at Oxford in the 21st term after matric. At Durham any Bachelor of the Univ. (except in Music) may submit a thesis or be examined on an approved subject. At Hull the degree is conferred on graduates who have pursued a course of supervised study for not less than 2 yrs.; the examination is by thesis and perhaps a written and oral examination as well, except in Mathematics where there is a choice between thesis and examination. At Nottingham the degree is conferred on graduates of the Univ. after advanced work extending over at least one session, and on graduates of other approved Universities after at least two sessions; a thesis and a *viva voce* examination are required, and candidates may also be requested to pass a written examination in matters relevant to the subject of their thesis. At Leeds and Sheffield the M.A. may be conferred on a B.A. with Honours or a B.Mus. of the University of not less than 1 yr.'s standing who has presented a thesis approved by the Faculty concerned, passed an oral examination and, if required by the Faculty, a written examination in matters relevant to the subject of the thesis (alternatively, at Sheffield, who has satisfied conditions laid down by regulation, and passed written and oral examinations after approved courses of study); and on other B.A.s of the University and on graduates of other Universities subject to specified conditions. At Manchester the M.A. may be conferred on Honours graduates of Manchester of 1 yr.'s standing, without further attendance, on successful presentation of a thesis on a subject approved by the Faculty concerned; the Faculty may require attendance. Other Manchester graduates are required to attend 1 or 2 yrs. according to first degree obtained. Other Universities exact a further period of study from their own graduates, followed by the presentation of a thesis, or an examination, or both, of 1 yr. at Birmingham (in certain schools at Birmingham 2 yrs. are required from overseas students) and Belfast; of 1 yr. from graduates with Honours, and 2 yrs. from others, at Wales; of 1 to 2 yrs. from all graduates at Southampton; of 2 yrs. from all graduates at Bristol, Liverpool, London (normally) and Reading. Graduates of approved Universities can, under certain conditions, obtain the Mastership after 2 yrs. of advanced study at Bristol, Leeds, Liverpool, London, Manchester, Nottingham, Reading, Southampton and Wales (thesis required) and after 1 to 3 yrs. at Sheffield. At London a thesis is required from Internal students in all branches, except Oriental Languages and Mathematics, in which it is optional, and an

examination. At Bristol, Leeds, Liverpool, Manchester and Nottingham, persons who have not graduated can obtain the M.A. degree after a course of advanced study and research extending, usually, over 3 yrs. At Leeds such candidates will be required to pass a preliminary test before being accepted for study. In Scotland the M.A. denotes the first degree in Arts and corresponds to the B.A. of an English University.

M.Sc. This degree is not conferred by Oxford or any of the Scottish Universities (except Edinburgh, where the M.Sc. is conferred on B.Sc. graduates on submission of a thesis not less than two years after graduation as B.Sc.). At Cambridge the degree is conferred upon students admitted to a course of research extending over not less than 2 yrs. and after submission of a dissertation. At Durham it can be obtained by graduates, B.Sc., of 2 yrs.' standing, after examination or thesis. At Birmingham, Bristol and Leeds, by graduates, B.Sc. with Honours (at Leeds only by own graduates, B.Sc. with 1st or 2nd Class Honours), of 1 yr.'s standing (other Bachelors of any Faculty of 2 yrs.' standing), after research (thesis required). At Birmingham there are special regulations which must be satisfied by candidates for the degree of M.Sc. in Chemical Engineering. At Hull by graduates of at least 1 yr.'s standing, thesis or examination, or both. At Liverpool, by graduates, B.Sc. with Honours, after 1 yr.'s higher study. Other graduates, or graduates of an approved University, may be admitted to a prescribed preparatory course with examination at the end. Subsequently 1 yr.'s higher study. Other persons admitted in special circumstances. Theses required in all cases. At London, by Internal students of 1 yr.'s or 2 yrs.', by External students of 2 yrs.' standing from B.Sc., by thesis or written examination; methods of examination vary in different subjects. At Manchester, by graduates, B.Sc. of 1 yr.'s standing, after thesis and examination (at the discretion of the Faculty). At Sheffield, by B.Sc. graduates who have either (i) attended the University for from 1 to 2 (pt.-time research in Education, 3) further yrs., presented a thesis approved by the Faculty concerned, passed an oral examination and, if required by Faculty, a written examination in matters relevant to the subject of the thesis or (ii) presented a short dissertation and passed written and oral and, if required, practical examinations after a full-time course of study of not less than 1 yr. in an approved subject; it may also be obtained without further residence by graduates, B.Sc. of the University, of not less than 2 yrs.' standing, who have presented a thesis approved by the Faculty and passed an oral examination. At Reading, by graduates of the University or of other approved Universities after 2 yrs.' research or advanced study and submission of thesis. At Nottingham the degree may be conferred upon graduates of the University after at least 1 yr. of further study, or upon graduates of other approved Universities after at least 2 yrs.' study. In Mycology, the degree is awarded after an examination, but in other subjects candidates are required to submit a thesis, present themselves for a *viva voce* examination and, if required, a written examination. The course for an M.Sc. degree in Mycology is of 1 year's duration. At Southampton, in the Faculty of Science, by thesis after

at least 1 calendar yr. and normally 2 academic yrs.' advanced study and research (i) upon graduates in Science of the University and of other approved Universities; (ii) upon non-graduates under certain conditions. The M.Sc. Wales may be conferred on a graduate of the University of Wales or of another approved University, 2 yrs. required from a Pass graduate, 1 from an Honours graduate. Graduates of other Universities must pursue a scheme of research in a constituent College of the University for not less than 2 yrs. A thesis is required from all candidates. At all Universities awarding the degree, graduates of approved Universities are accepted as candidates. The period of study prescribed is 2 yrs., Belfast, 1-2 yrs.

M.Eng., M.Met., M.Sc. (Eng.), M.Sc. (Min.), M.Sc.Tech., M.Tech., Master's degrees in Engineering, Metallurgy, Mining, and Technology are conferred as follows: Liverpool, in Faculty of Engineering, M.Eng. upon (i) Honours graduates B.Eng. of the University after 2 yrs.' postgraduate practice and 3 terms' course in the University, thesis necessary, examination may be required; upon (ii) other graduates B.Eng. after 3 yrs.' postgraduate practice and 6 terms' course in the University, thesis necessary, examination may be required; upon (iii) graduates, over 21 yrs. of age, in a Faculty other than Engineering or graduates of an approved University, after thesis, examination, and 2 yrs.' course in the University; also upon (iv) non-graduates, under certain conditions. London, in Faculty of Engineering, M.Sc. (Eng.) as an internal degree upon graduates of the University or another approved University after 1 yr.'s course (graduates of other Universities are debarred from proceeding direct to higher degrees as *external* students), thesis or dissertation and oral examination required, written examination may be required. Manchester, in the Faculty of Technology, M.Sc. Tech. by thesis and examination upon graduates of the University of 1 yr.'s standing and upon graduates of other approved Universities through research at Manchester during 2 (non-graduates, 3) yrs. Sheffield, in the Faculty of Engineering, M.Eng. and M.Sc. Tech. by thesis, upon (i) graduates B.Eng. or B.Sc. Tech. of 2 yrs.' standing and (ii) after 1 to 2 yrs.' advanced study and research by appropriately qualified graduates, B.Eng. or B.Sc. of any approved University; in the Faculty of Metallurgy, M.Met., upon appropriately qualified graduates in Metallurgy, Pure Science or Engineering of any approved University, either by thesis after research for an approved period of 1 to 2 yrs. or by examination and presentation of a dissertation after an approved period of advanced study; M.Sc. Tech., upon appropriately qualified graduates in Metallurgy, Pure Science, Fuel or Glass Technology of any approved University, either by thesis after research for a period of 1 to 2 yrs. on a subject related to refractory materials or by examination and presentation of a dissertation after an approved period of advanced study in refractory materials. Southampton, in Faculty of Engineering, M.Sc. (Eng.), by thesis after at least 1 calendar yr. and normally 2 academic yrs.' advanced study and research, upon (i) graduates B.Sc. (Eng.) or B.Sc. of the University and of other approved Universities; (ii) upon non-graduates under certain conditions. Wales, in Faculty of Technology, upon graduates of the University after 1 yr.'s advanced work.

Other Titles of Mastership conferred by various Universities

M.A. in Arch., London; M.A. (Econ.), Manchester; M.A. (Ed.), Southampton; M.Agr., Belfast; M.Arch., Liverpool; M.C.D., Liverpool; M.Com., Birmingham, Durham, Leeds, Liverpool, London; M.Ed., Durham, Hull, Leeds, Manchester, Nottingham; M.Litt., Cambridge, Durham; M.Met., Sheffield; M.Sc. (Agric.), London; M.Sc. (Econ.), Hull, London, Southampton, Belfast; M.Sc. (Est. Man.), London; M.Soc.Sc., Birmingham.

Doctorates

The Doctorate in Letters or in Science or in related fields **(Litt.D., D.Lit., D.Litt., D.Sc. (Econ.), Sc.D., D.Sc., D.Sc. (Eng.), D.Eng., D.Met., D.Sc. Tech., D.Tech.)** is conferred upon Masters of Arts or Science (in certain cases Bachelors) or Doctors of Philosophy of the University awarding the degree, distinguished by their contributions to the advancement of knowledge. The claim to the degree must be based either upon a special thesis or upon published works. In certain Universities the Faculty may require the applicant to appear for examination. An applicant for the Doctorate must be of the following standing: Birmingham, 7 yrs. from B.A., or 5 yrs. from B.Sc., 5 from M.A., or 4 from M.Sc., or 3 from Ph.D.; Bristol, 6 yrs. from B.Sc., 4 from M.A. or M.Sc., 3 from Ph.D.; Cambridge, 8 yrs. from first degree; Durham, 10 yrs. from B.A. (D.Litt.), 6 yrs. from B.Sc. or 4 from M.Sc. or Ph.D. (D.Sc.); Hull, 10 yrs. from Bachelor's or Master's degree, 5 yrs. from Ph.D.; Leeds, 6 yrs. from B.A. or B.Sc.; Liverpool, on M.A.s 7 yrs. from B.A. (Litt.D.), on graduates of 6 yrs.' standing (D.Sc.), 5 yrs. from M.Eng. or Ph.D.Eng. (D.Eng.); London, at any time after obtaining M.A., M.Sc. or Ph.D.; Manchester, at any time after M.A. or Ph.D. (Litt.D.), 4 yrs. from M.Sc., M.Sc.Tech. or Ph.D. (D.Sc.); Nottingham, 7 yrs. from first degree; Oxford, 30 terms from matriculation for M.A.s, names on books of a Society for 20 terms for holders of B.Litt., B.Sc. or Ph.D.; Reading, 6 yrs. from B.A. or B.Sc., 4 from M.A. or M.Sc., 3 from Ph.D.; Sheffield, 5 yrs. from B.A. or B.Sc.; Southampton, 6 yrs. from first degree; Wales, 10 yrs. from B.A. or B.Sc., 3 from M.A. or M.Sc., 2 from Ph.D.; Scottish Univs., 5 yrs. from M.A. or B.Sc.; Belfast, 6 yrs. from B.A. (D.Lit.), 5 yrs. from Bachelor's degree in any Faculty (D.Sc.).

Certain Universities permit graduates of approved Universities with degrees substantially equivalent to those required from their own graduates to become candidates for doctorates in Letters and Science after a period of research at the University awarding the degree, under the following conditions: Bristol (D.Sc. only), 3 yrs.' research; Manchester (D.Sc. only), 2 yrs.' research, 4 yrs.' standing from first degree; Reading, 4 yrs.' research, 7 yrs.' standing from first degree; Scottish Univs., research during 2 winter sessions (St. Andrews—4 terms for D.Litt., 6 terms for D.Sc.), 5 yrs.' standing from first degree.

For **LL.D.** and **D.C.L.** *see* p. 20. For **D.D.** *see* p. 18.

Degrees in the Faculty of Divinity

B.D. Awarded by all Universities except Bristol, Liverpool, Reading, Sheffield and Southampton. This degree is conferred by Birmingham upon its own graduates and those of approved Universities after 2 yrs.' further study, the passing of an examination and the presentation of a thesis; by Cambridge upon its own graduates only of not less than 5 yrs.' standing from admission to a first degree, after submission of a dissertation or published works; by Durham, after examination and submission of a thesis, upon its own graduates of 3 yrs.' standing, and upon graduates of approved Universities who hold the Durham diploma in Theology; by Leeds upon its own graduates and those of approved Universities after 2 yrs.' further study, examination (waived in case of B.A.s in Spec. Studies in Theol.) and submission of a thesis; by London, following a 3-yr. course from matriculation, after examination; by Manchester, by examination, upon its own graduates and those of approved Universities following 2 yrs.' further study or, in the case of non-graduates, 3 yrs. after completing the intermediate courses for an Ordinary degree in the Faculty of Arts; by Nottingham, after submission of a thesis, a *viva voce* examination and, if required, a written examination, upon its own graduates in Theology after at least 1 yr.'s further study, upon other graduates after 2 yrs.', and non-graduates after 4 yrs.'; by Oxford, after examination and submission of a dissertation or published works, upon Oxford M.A.s and graduates of approved Universities following 6 terms' study and residence at Oxford Univ.; by Wales, and each of the Scottish Universities, upon their own graduates and those of approved Universities, after 3 yrs.' further study and examination; by Belfast, upon graduates of approved Universities, after 2 yrs.' further study and examination. The B.D. may be taken with Honours at some Universities.

M.Th. London confers this degree, by examination, after a course of not less than 2 yrs., on holders of its B.D. at Honours standard.

D.D. This degree is conferred by all Universities granting a first degree in Divinity, but only the University of Manchester permits graduates of other approved Universities to become candidates for the degree. At the Scottish Universities the D.D. is conferred only as an Honorary Degree. At London it is conferred upon Bachelors of Divinity who took Honours in at least one subject, on presentation of published work, or of a thesis, followed by an examination if the examiners so desire. At other Universities it is conferred in consideration of published works or a dissertation (and, at Oxford, a *viva voce* examination if the judges so desire). The requisite standing is, at Birmingham, 5 yrs. from B.D. of Birmingham or other approved University (or from second degree in which Theology has been a main part of second degree course), at Cambridge, 3 yrs. from B.D.; Durham, 10 yrs. from B.A., 5 yrs. from B.D.; Manchester, 4 yrs. from B.D. (or 6 yrs. for Bachelors of Divinity of other Universities who have studied for 2 yrs. at Manchester); Nottingham, graduates of University of 7 yrs.' standing from first degree; Oxford, 14 yrs. from matriculation, or, if he was admitted to the degree of B.D. as a graduate of another Univ., the candidate must

have attained the age of 33 ; Wales, 6 yrs. from B.D. ; Belfast, 6 yrs. from B.D. ; on submission of thesis or published work.

Degrees in the Faculty of Law

LL.B. At the Universities of Birmingham, Bristol, Durham, Hull, Leeds, Liverpool, London, Manchester, Nottingham, Sheffield, Wales and Belfast the course for the LL.B. extends over 3 yrs. from matriculation (with honours, 4 yrs. in some cases). At Cambridge students who have obtained Honours in Part I or II of the Law Tripos are admitted to the LL.B. examination not earlier than the tenth term after their first, and other approved students are also admitted subject to regulations regarding residence and study. At Southampton the LL.B. can only be taken after completion of the course for the first degree in law, B.A. (Law), which extends over 3 yrs. from matriculation and is awarded with Honours. At the Scottish Universities candidates must be graduates in Arts of approved Universities and pursue a course of study for 3 yrs.

The University of Oxford does not confer the degree of LL.B. and the University of Reading confers no degrees in Law.

B.C.L. (Durham and Oxford). At Durham candidates must be Bachelors of Arts of the University of 2 yrs.' standing. At Oxford they must be graduates and keep residence for 6 terms (Bachelors of Arts of the University, 12 terms from matriculation).

B.L. (Aberdeen, Edinburgh, Glasgow and St. Andrews). Candidates must pass the Preliminary or an equivalent examination and pursue an approved course of study for 3 yrs.

LL.M. Conferred by Birmingham, Bristol, Durham, Hull, Leeds, Liverpool, London, Manchester, Nottingham, Sheffield, Southampton and Wales on graduates of the University and of approved Universities ; by Cambridge on LL.B.s of the University of 2 yrs.' standing, by thesis. *Graduates of the University* : At Leeds, Nottingham and Sheffield, on LL.B.s of 1 yr.'s standing, at Bristol, Durham and Manchester, of 2 yrs.' standing (at Manchester 1 yr. for persons who have graduated LL.B. with Hons. in the Univ.), on presentation of thesis. By examination at Birmingham after 1 yr.'s study, at London after 2 yrs.' study. At Hull by thesis and examination after 2 yrs.' study. At Liverpool, on graduates LL.B. with Honours, after 2 yrs.' study ; on graduates Ordinary LL.B., and graduates of other Univs., subject to passing a prescribed examn. or by presenting an approved dissertation, after 2 yrs.' study (non-graduates, approved dissertation, after 3 yrs.' study). At Southampton, on graduates after at least 1, and normally 2, yrs.' study. At Wales, on LL.B.s 1 yr. after passing Honours examination or preliminary examination and not less than 5 yrs. after beginning scheme for LL.B., on presentation of a thesis. *Graduates of approved Universities* : Birmingham, after 1 yr.'s study, by examination ; Southampton, after at least 1, and normally 2, yrs.' study. Bristol, Durham, Leeds, Manchester, Nottingham and Wales, after 2 yrs.' study, by thesis ; Liverpool, 2 yrs.' study, by examination or thesis ; Hull

and Sheffield, 2 yrs.' study, by examination and thesis ; London, 2 yrs.' study, by examination.

LL.D. or **D.C.L.** (Durham, Oxford). By the Scottish Universities the Doctorate is awarded only as an Honorary degree. Other Universities, unless the degree be awarded as an Honorary degree, require the submission of a thesis, dissertation or published works, and may require attendance at an examination. The requisite standing for the Doctorate is, at London, any time after the LL.M. or Ph.D. ; Manchester, 2 yrs. from LL.M. or 4 yrs. from LL.B. ; Belfast, 5 yrs. from LL.B. if thesis ; Sheffield, 4 yrs. from LL.B. or Ph.D. in Faculty of Law ; Birmingham, 5 yrs. from LL.B. or 3 yrs. from LL.M. ; Oxford (D.C.L.), 5 yrs. from B.C.L. ; Cambridge, 8 yrs. from first Cambridge degree ; Bristol, 4 yrs. from LL.M. ; Liverpool, 5 yrs. from LL.M. ; Leeds, 5 yrs. from LL.B. ; Durh. (D.C.L.), 10 yrs. from B.A. or B.C.L. ; Wales, 10 yrs. from graduation or 3 yrs. from LL.M. or 2 yrs. from Ph.D.; Southampton, 6 yrs. from first degree. At Nottingham the degree is awarded to graduates of the University of 7 yrs.' standing after report on published contributions to learning.

Degrees in the Faculties of Medicine and Surgery and Cognate Fields

M.B., Ch.B. (**M.B., B.Chir.**, Cambridge ; **M.B., B.S.**, Durham and London ; **B.M., B.Ch.**, Oxford ; **M.B., B.Ch.**, Wales ; **M.B., B.Ch., B.A.O.**, Belfast). First degrees in Medicine and Surgery are awarded by all Universities except Hull, Nottingham, Reading and Southampton and are obtainable as ordinary degrees or with honours (Hons. not awarded at Oxford, Cambridge or St. Andrews). Cambridge provides pre-clinical but not clinical instruction. The regulations for these degrees are practically uniform. Satisfactory attendance is required during at least five years (generally six) at recognized courses of study and hospital practice. 4 examinations (in some Universities grouped as 2 or 3) must be passed. At Leeds and Belfast, all examinations must be passed at the University granting the degree, but at Birmingham, Bristol, Cambridge, Durham, Liverpool, London, Oxford (Senior Students), Sheffield, Wales and the Scottish Universities a candidate may be exempted from the first examination in Chemistry, Physics and Biology if he has passed an equivalent examination elsewhere ; at Manchester exemption may be granted in Physics and/or Chemistry of the first M.B., Ch.B. examination only. Aberdeen, Edinburgh and St. Andrews extend this concession to courses and examinations in Anatomy and Physiology qualifying for a degree in Science (Edinburgh, in Science or Medicine ; St. Andrews, in Science, Arts or Medicine). Study in the University for at least 3 yrs. is required (2 yrs., Leeds, Manchester and St. Andrews), except for external degrees of the University of London, where candidates study for 4½ yrs. (after the First Examination) at any recognized Medical School, 1 yr. of which must be spent in the United Kingdom. The Universities of Oxford and Cambridge require 3 yrs.' residence, but allow students to do any or all of their clinical work at other recognized

Medical Schools. At Oxford candidates must graduate B.A. before admission to a medical degree.

M.A.O. Master's degrees in Obstetrics are conferred by Belfast.

M.D. (**D.M.,** Oxford). This degree is awarded by all Universities except Hull, Nottingham, Reading and Southampton. At each University which awards it (except Birmingham and Bristol) the degree is open (by examination and/or thesis) only to the University's own Bachelors of Medicine and Surgery of, ordinarily, at least 2 yrs.' standing (Cambridge, 8 yrs. from admission to first Cambridge degree; Leeds, graduates M.B., Ch.B. of 3 yrs.' standing; Liverpool, graduates M.B., Ch.B. of 2 yrs.' standing may take M.D. by thesis: 5 yrs.' standing is required for M.D. by examination; London (Pt. II of M.D. examination), graduates M.B., B.S. of 5 yrs.' standing (Pt. I, 2 yrs.'); Aberdeen, Glasgow and St. Andrews, graduates M.B., Ch.B. of 1 yr.'s standing, under certain conditions, otherwise 2 yrs.'; Oxford, 10 yrs. from matriculation; Belfast, graduates M.B., B.Ch. of 3 yrs.' standing (2 yrs. if Belfast B.A. or B.Sc. also held)). At Birmingham the M.D. is open to Birmingham graduates M.B., Ch.B. of 5 yrs.' standing and to graduates in medicine of approved Universities who have been in possession for 5 yrs. of a degree recognized by the General Medical Council for the U.K. and have been engaged in approved postgraduate study in the University for not less than 2 yrs. At Bristol the M.D. is open to Bristol graduates M.B., Ch.B. of 2 yrs.' standing and to graduates in medicine of approved Universities who have pursued original research in the University for 2 yrs.

Ch.M. (**M.Chir.,** Cambridge; **M.S.,** London; **M.Ch.,** Oxford, Wales and Belfast). This degree is awarded by all Universities except Hull, Durham, Nottingham, Reading and Southampton. At each University which awards it (except Birmingham, Bristol and Liverpool) the degree is open (by examination and/or thesis) only to the University's own Bachelors of Medicine and Surgery of, ordinarily, at least 2 yrs.' standing (Leeds and Manchester, graduates M.B., Ch.B. of 5 yrs.' standing; London (Pt. II of M.S. examination), graduates M.B., B.S. of 5 yrs.' standing (Pt. I, 2 yrs.'); Oxford, graduates B.M., B.Ch. in or after the 30th term from matriculation; Sheffield, graduates M.B., Ch.B. of 3 yrs.' standing; Wales, graduates M.B., B.Ch. of 3 yrs.' standing; Aberdeen, Glasgow and St. Andrews, graduates M.B., Ch.B. of 1 yr.'s standing, under certain conditions, otherwise 2 yrs.'; Belfast, graduates M.B., B.Ch. of 3 yrs.' standing (2 yrs.' if Belfast B.A. or B.Sc. also held). At Birmingham the Ch.M. is open to Birmingham graduates M.B., Ch.B. of 5 yrs.' standing; graduates in Medicine of recognized Universities, who are not past students of the Birmingham Medical School, must have been in possession for 5 yrs. of a degree recognized by the General Medical Council for the U.K. and must have been engaged in approved postgraduate study in the University for not less than 2 yrs. At Bristol the Ch.M. is open to Bristol graduates M.B., Ch.B. of 2 yrs.' standing, and to graduates of approved Universities who have pursued original research at Bristol for 2 yrs. At Liverpool, open after 1 yr.'s study to (*a*) graduates in Medicine of Liverpool or an

approved University, (*b*) graduates, in a Faculty other than Medicine, of Liverpool or an approved University who hold a medical qualification registrable in Great Britain of 5 yrs.' standing ; thesis required.

The **M.Ch. Orth.** is granted by Liverpool ; open to (*a*) graduates in Medicine of Liverpool or an approved Univ., (*b*) graduates in a Faculty other than Medicine of Liverpool or an approved Univ., who are Fellows of the R.C.S. of England, Edinburgh, Ireland, Canada or Australasia or of the American College of Surgeons, or hold the Fellowship *qua* surgeon of the R. Fac. of Physicians and Surgeons, Glasgow. Attendance at Liverpool of 12 or 15 months before examination is required. Durham grants a **D.Ch.**, open only to the University's own Bachelors of Medicine and Surgery of 6 yrs.' standing.

Degree of **M.Rad.** (in either Radio-diagnosis or in Radiotherapy), Liverpool. Open to holders of Diploma in Radiology, who have not failed more than once in either part of Diploma examn., upon presentation of thesis at least two yrs. after Diploma.

Degrees in Dentistry—**B.D.S.** (**B.Ch.D.**, Leeds)—are granted by all Universities except Cambridge, Hull, Nottingham, Oxford, Reading, Southampton, Wales, Aberdeen (period of study generally about 5 yrs.). Diplomas in Dental Surgery—**L.D.S.**—are awarded by the Universities of Bristol, Durham, Leeds, Liverpool, Manchester and Sheffield (period of study generally 4 yrs. ; Liverpool and Sheffield, 5 yrs.). At Belfast the L.D.S. may be granted after the same period of study as for the B.D.S. but is awarded to those candidates who have reached a suitable standard for the licence but not reached the higher standard required for the degree. The degree of Master of Dental Surgery—**M.D.S.** (**M.Ch.D.**, Leeds)—is awarded by all Universities granting a first degree. Candidates must generally be Bachelors of Dental Surgery of 1 to 3 yrs.' (Birmingham, 5 yrs.') standing and must present a thesis and/or undergo an examination. At Leeds, in addition to having been admitted to the degree of Bachelor of Dental Surgery at least 1 yr. previously, candidates must also provide evidence of having spent at least 1 yr. in approved Dental Hospital practice or 2 yrs. as a Dental Surgeon. The Universities of Manchester and St. Andrews confer the degree of **D.D.S.** (**D.D.Sc.**, St. Andrews) on graduates in Dental Surgery (or graduates in Medicine and Surgery or in Science, who hold an approved dental qualification) of the University (in the case of Manchester) of 2 yrs.' standing, after 2 yrs.' approved study and research and submission of thesis (in the case of St. Andrews) of 5 yrs.' standing on submission of thesis.

Degrees in Pharmacy are conferred by London, Nottingham and Wales (**B.Pharm.**), by Manchester and Glasgow (**B.Sc.** in Pharmacy), by Leeds (**B.Sc.** in Spec. Studies in Pharmacy and Pharmacol.) and by Belfast (**B.Sc.** in Pharmaceutics). The course extends over 3 yrs. except at Nottingham and Glasgow, where it extends over 4 yrs. and leads to an Honours degree ; at Manchester the Honours course extends over 4 yrs., the Ordinary degree course over 3 yrs. Honours are also awarded by London.

The degree of Master of Pharmacy (**M.Pharm.**) is awarded by

Nottingham after a course of not less than 1 yr. for graduates in Pharmacy of the University, 2 yrs. for other graduates and 4 yrs. for suitably qualified non-graduates. A thesis and *viva voce* examn. are required and there may also be a written examn. At Wales, 2 yrs. for candidates holding the degree of B.Pharm. or for graduates of other Universities.

Degrees in Public Health are conferred by Durham (**D.Hy.**) and by Glasgow (**B.Sc.** and **D.Sc.** in Public Health). Candidates for the Bachelor's degree must be graduates in medicine of 2 yrs.' standing; the D.Sc. (Glasgow) is conferred 5 yrs. after the Bachelor's degree. The **D.Hy.** (Durham) is open only to the University's own Bachelors of Medicine and Surgery of 6 yrs.' standing.

Degrees in Veterinary Science are awarded by Bristol (**B.V.Sc.**), Liverpool (**B.V.Sc.**; **M.V.Sc.** on B.V.Sc. or equivalent after 2 yrs.' further study and thesis; and **D.V.Sc.** 3 yrs. after M.V.Sc. for published contributions to science), London (**B.Sc.** in Veterinary Science, **M.Sc.** 1 or 2 yrs. later by examination and **D.Sc.** open to Masters for original contributions to advancement of science) and Edinburgh (**B.V.M.S.**, and **D.V.M.S.** 3 yrs. later by thesis). The degree of Bachelor of Veterinary Medicine (**Vet.M.B.**) has been introduced at Cambridge and is a registrable qualification. A degree in Veterinary Medicine (**B.Vet.Med.**) has been introduced at London. It conforms in structure to M.B., B.S., and is a registrable qualification. Glasgow awards the **B.V.M.S.** and has established the **M.V.S.**

Degrees in the Faculty of Music

B.Mus. (**Mus.B.**, Cambridge and Manchester; **Mus.Bac.**, Edinburgh). Awarded by all Universities except Liverpool, Reading, Southampton, Aberdeen and St. Andrews. At Birmingham, Cambridge, Leeds, London, Manchester, Nottingham, Sheffield, Wales, Edinburgh, Glasgow and Belfast students must pass the same Entrance Examination (Matriculation, Previous or Preliminary) as students in Arts. At Birmingham, where the degree is an Honours Degree, they must also have passed the Intermediate Arts Examination with Music as a subject, or be exempted therefrom. They must also pass an examination in execution. At Bristol they must have studied Music as a subject in both parts of the curriculum of the general degree of B.A. At Cambridge the degree is obtainable after honours in the Music Tripos by passing the Mus.B. examn. At Durham students are admitted on passing the Entrance Examination in Music or on exemption therefrom. At Hull it is a higher degree. At Nottingham candidates at admission must show proficiency in performance on the piano or some other approved instrument. At Oxford they must obtain a First or Second Class in the Final Honour School of Music and pass the necessary B.Mus. examinations. At Sheffield they must pass the Intermediate Examination for the B.A. degree. In Wales they must attend first yr. classes in Arts or Science in addition to the Music course. Residence is not obligatory at London or Durham. At Edinburgh students must study Music in the University for one whole winter session. As a rule, the course extends over 3 yrs. with two, or three, examinations, including an exercise for the Final

examination. At Bristol there is one examination and the course extends over one year after the General Degree of B.A. Honours in this degree are obtainable at Birmingham, Bristol, London, Manchester, Edinburgh, Glasgow and Wales. At Belfast the degree (B.Mus.) is of Honours standard and is awarded in the Faculty of Arts.

Music can also be studied in the Faculty of Arts as part of B.A., B.A.(Mus.), B.A. (General), B.A. (Honours), or B.A. (Special Studies) (Scottish Universities, M.A.) degree courses at all Universities. The degree of B.A. (Scottish Universities, M.A.) with Honours in Music (sometimes in combination with a second subject) may be awarded by the Universities of Cambridge, Durham, Hull, Oxford, Reading, Sheffield, Wales, Aberdeen and Glasgow.

M.Mus. (**Mus.M.**, Cambridge). At Cambridge conferred on Bachelors of Music of the University of 3 yrs.' standing, after examination and submission of an exercise ; at Wales on Bachelors of Music, and Bachelors of Arts with Honours in Music, of the University of ordinarily 2 yrs.' standing, after examination and submission of an exercise ; at Birmingham on Bachelors of Music of Birmingham and other approved Universities after 1 yr. of approved study or research, examination and submission of 3 original compositions or a thesis.

D.Mus. (**Mus.D.**, Cambridge and Manchester ; **Mus.Doc.**, Edinburgh). Conferred after examination and submission of original composition or thesis on Bachelors of Music of the University—London (2 yrs.' standing), Oxford and Edinburgh (3 yrs.' standing—Oxford also on M.A.s), Manchester (4 yrs.' standing, after 1 yr.'s further study), Birmingham, Bristol, Durham, Sheffield, Glasgow and Belfast (5 yrs.' standing—Birmingham also 3 yrs. from M.Mus.). Cambridge, 8 yrs.' standing from first Cambridge degree, in recognition of distinction as composer. Wales, 10 yrs.' standing or 2 yrs. after M.Mus., on submission of original composition. The doctorate is conferred on graduates of approved Universities by Durham (same conditions as for graduates of the University), Manchester (2 yrs.' study at the University) and Glasgow (3 yrs.' study at the University). The Mus.Doc. may also be conferred, as an Honorary Degree, at Edinburgh.

Doctor of Philosophy

Ph.D. (**D.Phil.**, Oxford). All the United Kingdom Universities confer this degree. There is no minimum age limit for candidates entering upon a course of advanced study and research for the Ph.D. (except at London, Aberdeen, Edinburgh and Glasgow where 21 is the minimum age) but they must ordinarily be graduates either of the University or of some other approved University ; must have pursued their studies at a University or Universities for a period of at least 3 yrs. (Liverpool—2) ; and must produce evidence of fitness for the proposed course of study and research. The course extends over 2 yrs. at most Universities ; at Cambridge, Hull, Reading, Sheffield, Aberdeen, Glasgow and St. Andrews, the prescribed course of study is 3 yrs., which may, under certain conditions, be reduced to 2 yrs. Part-time study is permitted at London. In the Faculty of Arts at Birmingham at least

3 yrs. part-time study is acceptable in approved cases where candidates possess M.A. or degree of equivalent status acquired by full-time study. At Sheffield, under certain conditions, part-time research for not less than four yrs. is accepted in Arts and Law. At Nottingham, part-time research for not less than 4 yrs. may be permitted, if substantial laboratory work is not involved. At Southampton and Edinburgh, part-time research for not less than 3 yrs. may be permitted in the case of graduates of the University. At St. Andrews part-time research, subject to conditions in certain cases, may be permitted in the case of graduates of the University. Candidates on completion of research must present thesis and submit to oral examination on thesis. The degree is granted in any Faculty (Bristol : except Law) in which the University is prepared to receive advanced students.

A candidate for the degree of Ph.D., as an External student of the University of London, must have graduated in the Faculty of Theology, Arts, Laws, Music, Science, Engineering, or Economics in that University not less than 2 academic yrs. previously.

Lambeth Degrees

Under the Peter Pence Act (25 Henry VIII Cap. 21) the Archbishop of Canterbury has the power to grant degrees which he exercised before the Reformation as *Legatus Natus* of the Pope. The degrees are in the Faculties of Theology, Medicine, Music and Law though, in effect, the granting of degrees in medicine was almost nullified by the Medical Act of 1858.

Adult Education

University Extension Courses have been promoted by the Universities of Cambridge, Oxford and London for 80 years. At Cambridge they were known as local lectures and were initiated in 1873. Oxford and London took up the work soon afterwards, and since then the other Universities and University Colleges have followed suit. These courses number several hundreds and vary in length from 6 to 25 lectures. In 1926 the Universities Extra-Mural Consultative Committee was established to consider the many aspects of extra-mural work now undertaken by the Universities, and to contribute towards the formation of a common policy. The Committee was reconstituted in 1946 as the Universities Council for Adult Education (Hon. Secretary and Treasurer, W. E. Salt, O.B.E., M.A., B.Com., Dept. of Adult Educn., The University, Bristol, 8), and is representative of each University and independent University College of England, Wales, and Northern Ireland, and of some of the Universities of Scotland. An *Annual Report* is printed, which gives tabular statements of the activities of University Extra-Mural Departments.

In 1903 *The Workers' Educational Association* was founded. In 1907 relations were established with Oxford University. Since that date relations have been established with all the Universities and University Colleges, and there are joint committees composed of representatives of the University or College and the W.E.A., which promote Three-Year

Tutorial Classes, Advanced Tutorial Classes, Vacation Courses, etc. The W.E.A. is recognized by the Ministry of Education as a responsible body and most of these classes and courses, together with the thousands of classes which it provides independently of the Universities, rank for grants from public funds. General Secretary, Harry Nutt, Central Office: 27 Portman Square, London, W.1. (*Telephone*: Welbeck 0491.)

The *National Institute of Adult Education* (*England and Wales*), 35 Queen Anne Street, London, W.1; *Telephone*: Langham 3155 (Sec.: E. M. Hutchinson, M.A.), is a Central Body for Adult Education in which all substantial interests are nationally focused. Independent and consultative, it advises on the liberal education of adults and seeks to promote understanding and co-operation on matters of common interest. It convenes an annual conference and has a representative council meeting not less than twice a year. While it is not a "providing" body, the Institute encourages enquiry and experiment in adult education and publishes or encourages publication of results. It serves as a centre of information and undertakes such other functions as its council may, with the consent of the associated bodies, determine.

Membership extends both to corporate bodies and individuals. The bodies eligible for corporate membership are the Universities and University Colleges, the Local Education Authorities, the educational directorates of H.M. Forces, and a wide range of voluntary agencies. Individual membership maintains the tradition of the former British Institute of Adult Education (*see Yearbook* for 1948). The National Institute publishes quarterly *Adult Education* (annual subscription, 10s. 6d.); a six-monthly *Calendar of Residential Courses* (price 1s.); a Directory of Organizations entitled *Adult Education in the United Kingdom* (2nd edition, 1952, with 1953 supplement, price 3s. 6d.); a *Select Bibliography of Adult Education* (price 12s. 6d.); and a *Guide to Studies in Adult Education* (price 2s.), published in March each yr. as a running supplement to the Bibliography.

Committee of Vice-Chancellors and Principals

In May 1918 Mr. Balfour summoned at the Foreign Office a Conference of representatives of all the Universities for the purpose of putting before them a proposal that on the invitation of the Government of the United States a Universities' Mission should be sent to America. At this meeting Mr. Balfour took the opportunity of pressing upon the Universities the desirability of establishing a representative body to which matters of interest to the Universities might be referred by Government Departments. He urged the necessity of the creation of "an organ of expression" which would voice the desires and aspirations of the British Universities and represent them in their relations with the Universities of other nations. At a subsequent meeting the Conference resolved that "it is desirable in the interests of the Universities and of the nation that steps be taken to promote co-operation and mutual consultation among the Universities of Great Britain and Ireland, and, further, that the Vice-Chancellor or Principal of each University or a deputy appointed by him, together with the Executive

Committee of the Universities Bureau, be appointed a ' Standing Committee ' to consider any matters of common interest arising out of the proceedings of this Conference or submitted to it by the Government, and to report from time to time to the Conference."

The Standing Committee of Vice-Chancellors dealt with a number of subjects of common interest to the Universities, which are mentioned in previous issues of the *Yearbook*.

In 1929 the Standing Committee of Vice-Chancellors was dissolved and a Consultative Committee of Vice-Chancellors and Principals was established in its place. A new constitution of the Committee was adopted in 1950 under which its title was changed to " The Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom." Besides the Vice-Chancellors and Principals of the Universities its membership includes the Principals of the independent University Colleges of Exeter, Leicester, and North Staffordshire. The deliberations of this Committee cover all subjects of common interest to Universities. Annual conferences of the Home Universities have been held from 1946 onwards (except 1953). The Association of Universities of the British Commonwealth provides the secretariat of the Committee of Vice-Chancellors and Principals. The two organizations have a common office at 36 Gordon Square, London, W.C.1 (*Telegrams and Cables*: Uniburb, Westcent, London; *Telephone*: Euston 8572), the *Secretary* of the Committee being Dr. J. F. Foster. The *Chairman* of the Committee for 1954-55 is Sir Charles R. Morris, M.A., LL.D., D.Litt., Vice-Chancellor of the University of Leeds.

Parliamentary Representation of Universities

University representation in Parliament dated from 1603, when Oxford and Cambridge were granted by King James I the right to send two representatives each to the House of Commons. The privilege was subsequently extended to other Universities. In the Parliament elected in 1945 there were two representatives for Oxford, two for Cambridge, one for London, two for the combined Universities of Birmingham, Bristol, Durham, Leeds, Liverpool, Manchester, Reading and Sheffield, one for Wales, three for the combined Scottish Universities of Aberdeen, Edinburgh, Glasgow and St. Andrews, and one for the Queen's University of Belfast.

By the Representation of the People Act, 1948, separate University constituencies in the Parliament of the United Kingdom were abolished from the end of the existing Parliament, and accordingly University representation came to an end with the dissolution of February 1950. It still continues, however, in the Parliament of Northern Ireland (*see* p. 657).

[*Information compiled as at* 14/6/54 ; *Staff list revised on* 29/9/54.]

UNIVERSITY OF BIRMINGHAM *

Founded 1900

Postal Address: Edgbaston, Birmingham, 15, England.
Telephone: Selly Oak 1181-6.

VISITOR—H.M. THE QUEEN.

CHANCELLOR—The Rt. Hon. SIR ANTHONY EDEN, K.G., M.C., Hon. D.C.L. Oxon., Durh. and Camb., Hon. LL.D. Belf., Birm., Calif., Col., Denver, Leeds, McG., Sheff. and Tor., M.P.

PRO-CHANCELLOR—SYDNEY VERNON, LL.M.

DEPUTY PRO-CHANCELLOR—W. BYNG KENRICK.

TREASURER—W. H. NEWTON, M.A., F.C.A.

VICE-CHANCELLOR AND PRINCIPAL—R. S. AITKEN, M.D. N.Z., D.Phil. Oxon., Hon. LL.D. Dal., Hon. D Sc. Syd., F.R.C.P , F.R.C.P.Ed., F.R.A.C.P.

VICE-PRINCIPAL—Professor A. P. THOMSON, M.C., M.D., F.R.C.P.

REGISTRAR—GEORGE GRANT, B.A. Liv., M.A.

SECRETARY—G. L. BARNES, M.A.

LIBRARIAN—K. W. HUMPHREYS, B.Litt., M.A. Oxon.

SENIOR WOMAN TUTOR—NANCY A. MACFARLANE, M.A. Oxon.

TEACHING STAFF

Accounting and Administration

Cousins, D., B.Com. Prof.
Turner, E. C., M.Com., F.C.A. Pt.-time Lectr.

Anatomy

Zuckerman, S., C.B., D.Sc. Lond., M.A. Oxon. and Cape T., M.D., F.R.S. Sands Cox Prof. and Dir. of Dept. of Anat.
Smout, C. F. V., M.D., Ch.B. Prof.
Krohn, P. L., B.A., B.M., B.Ch. Oxon. (Endocrinol.) Nuffield Gerontological Res. Fellow and Hon. Prof. of Univ.

Lecturers (Anat.)

Reagan, F. P., B.A. Indiana, Ph.D. Prin.
Thomson, A. P. D., M.B.E., B.Sc., M.B., Ch.B. Glas.
Eckstein, P., M.A., M.D., B.Chir. Camb.

* Member of the Association of Universities of the British Commonwealth.

Green, S. H., M.B., Ch.B.
Darlington, D., M.B., Ch.B.
Mandl, Anita M., B.Sc. Lond., Ph.D.
Ashton, E. H., B.Sc., Ph.D.
Lisowski, F. P.
Robson, H. E., M.B., B.S. Durh.
Eayrs, J. T., B.Sc., Ph.D. (Neuro-Anat.).
Boscott, R. J., B.Sc., Ph.D. (Endocrine Chem.).
Aterman, K., M.D. Prague (Biophys.).
5 Temp. Asst. Lectrs.
Pt.-time Lectrs. in Radiol. Anat.
Astley, R., M.B., Ch.B.
Hutton, J. F. K., M.B., Ch.B. Glas.

Ancient History and Archæology

Tritsch, F. J., Ph.D. Heidel., M.A. Reader.
Gelling, P. S., M.A. Camb. Lectr.

Art (Fine Arts)

Waterhouse, E. K., M.B.E., M.A. Oxon., A.M. Prin.
Barber Prof. and Dir. of Barber Inst. of Fine Arts
Garlick, K. J., M.A. Oxon. Hon. Lectr.
James, R. E. W., M.A. Camb. Hon. Lectr.

Biochemistry, v. Physiol.

Botany

Maskell, E. J., M.A., Ph.D. Camb., F.R.S. Mason Prof.

Lecturers

Rees, W. J., T.D., B.Sc., Ph.D.
Skelding, A. D., B.Sc. Lond.
Hickman, C. J., M.Sc., Ph.D.
Harrold, C. E., B.Sc. Lond., Ph.D. Camb.
Round, F. E., B.Sc., Ph.D.
Hawkes, J. G., M.A., Ph.D. Camb. (Taxon.)

Brewing, etc., v. Malting and Brewing

Chemistry

Melville, H. W., D.Sc. Edin., Ph.D. Camb., M.Sc., F.R.S. Mason Prof. and Head of Dept.
Stacey, M., Ph.D., D.Sc., F.R.S. Prof. of Chem. in charge of Org. and Biol. Chem.
Belcher, R., B.Sc., Ph.D., F.I.F. (Analyt. Chem.). Reader.
Pinkard, F. W., M.Sc. Wales Sr. Lectr. and Tutor.

Senior Lecturers

Bourne, E. J., Ph.D., D.Sc. (Org. Chem.).
Gilbert, G. A., Ph.D. Camb., M.A. (Bio-Phys. Chem.).

Lecturers

Bevington, J. C., M.A., Ph.D. Camb.
Burnett, G. M., Ph.D. Aberd., D.Sc.
Jones, A. S., Ph.D.
Overend, W. G., B.Sc., Ph.D., D.Sc.
Peacocke, A. R., M.A., D.Phil. Oxon.
Peaker, F. W., Ph.D. Leeds.
Randles, J. E. B., M.A. Camb., B.Sc. Lond.
Sheridan, J., M.A., D.Phil. Oxon., D.Sc.
Small, R. W. H., B.Sc. Lond., Ph.D.
Tatlow, J. C., Ph.D., D.Sc.
Thomas, L. F., B.Sc., Ph.D.
Turnbull, J. H., B.Sc. Durh., Ph.D. Durh. and Camb.
Whiffen, D. H., M.A., D.Phil. Oxon.
Wilson, W., Ph.D. Lond.

I.C.I. Research Fellows

Clark, D., B.Sc. Lond.
Foster, A. B., Ph.D.
Nutten, A. J., B.Sc. Aberd., Ph.D.
Bircumshaw, L. L., M.A. Camb., D.Sc. Lond. Hon. Res. Fellow.

University Research Fellows

Barker, S. A., Ph.D.
Ghanem, N. A., M.Sc. Alexandria.
Lloyd, P. F., B.Sc., Ph.D.
Robertson, W. G. P., M.Sc., Ph.D. Adel.
Vaughan, G., Ph.D.
Watt, I. C., M.Sc. Melb.
West, T. S., B.Sc. Aberd., Ph.D.

Classics

Thomson, J. Oliver, O.B.E., M.A. Birm. and Aberd., B.A. Camb. (Lat.) Prof.
Thomson, G., M.A. Birm. and Camb. (Gk.) Prof.

Lecturers

Willetts, R. F., M.A. (Gk.).
Malcolm, D. A., M.A. Oxon. and Glas. (Lat.).
Hooker, G. T. W., M.C., M.A. Lond. (Gk. and Lat.).
Hooker, Edna M., M.A. Lond. (Gk. and Lat.).
Papayannopoulou, Katerina, Diplomatouchos Athens (Colloquial Gk.) Asst.

Commerce, v. also Acc., Econ., Econ. Hist.

Florence, P. Sargant, C.B.E., M.A. Camb., Ph.D., Hon. D.Litt. Hum. Col., M.Com. Prof.

Lecturers

Picton, J. G., M.Com. (Indust. Econ.).
Beesley, M., B.Com., Ph.D. (Comm.).
Baldamus, W., Dr. rer. pol. Fran. (Indust. Relns.).

Research Fellows

Behrend, Hilde, B.Sc. (Econ.) Lond., Ph.D.
Lawrence, G. M., B.A. Tor.

Commercial Law

Goitein, H., LL.D. Lond., M.Com. Prof.

Dentistry

MacGregor, A. B., M.A., M.D., B.Chir. Camb., F.D.S.R.C.S. (D. Surg.) Prof., Dir. of Dental Studies.
Osborne, J., Ph.D. Sheff., M.D.S., F.D.S.R.C.S. (D. Prosthetics) Prof., Dep. Dir. of Dental Studies and Tutor.
Manley, E. B., M.Sc. Manc., B.D.S., F.D.S.R.C.S. (D. Pathol.) Prof.

Reader

Hardwick, J. L., Ph.D., M.D.S., F.D.S.R.C.S. (D. Surg.).

Lecturers

Tavenner, R. W. H., B.D.S. (Operative D. Surg.).
Fox, E. C., M.D. Vienna (Operative D. Surg.).
Whitehead, F. I. H. (Operative D. Surg.).
Ellam, A. H., B.D.S., L.D.S. (Operative D. Surg.).
Shovelton, D. S., B.Sc., B.D.S., L.D.S. (Operative D. Surg.).
Wright, T. J., B.D.S., L.D.S. Pt.-time (Operative D. Surg.).
Wheatcroft, J. F., L.D.S. Pt.-time (Operative D. Surg.).
Newman, P. A., L.D.S. Pt.-time (Operative D. Surg.).
Hoggins, Mrs. Mary I., L.D.S. Pt.-time (Operativ D. Surg.).
Wells, D. B., L.D.S. Pt.-time (Operati[illegible] D. Surg.).
Calverley, B. C., M.B., [illegible].B., L.D.S. Pt.-time (Oper. D. [illegible]rg.).
Davis, Muriel E. H., L.D.S. (Or[illegible]od.).
Day, A. J. W., B.D.S., L.D[illegible] Pt.-time (Ort[illegible]d.).

Graty, T. C., B.D.S., L.D.S.
(D. Prosthetics).
Roper-Hall, H. T., M.B., Ch.B., M.D.S., F.D.S.R.C.S.
Pt.-time (D. Admin. and Practice).
Davison, P. H., B.Sc., M.B., Ch.B. (Med. for D. Students).
Gourevitch, A., M.B., Ch.B., F.R.C.S.
Pt.-time (Gen. Surg. for D. Students).
Reagan, F. P., B.A. Indiana, Ph.D. Prin. (Anat. for D. Students).
Whitfield, I. C., Ph.D., B.Sc. Lond. (Phys. for D. Students).
Marsland, E. A., Ph.D., B.D.S. (D. Pathol.).
Brain, E. B., B.Sc. (D. Histol.).
Inglis, J. McN., M.B., Ch.B. Leeds, D.A., F.F.A.R.C.S.
Pt.-time (General Anæsthetics for D. Students).
James, W. W., O.B.E., M.Ch., F.R.C.S., F.D.S.R.C.S.
Hon. Res. Fellow and Hon. Member of Staff.

Clinical Lecturers at Dental Hospital
Day, A. J. W., B.D.S., L.D.S.
Bowen, G. H., B.D.S., L.D.S.
Taylor, R. C., L.D.S.
Meacock, S. P., L.D.S.
Stammers, A. F., M.D.S.
Clendinnen, A. G., L.D.S.
Knight, J. S., B.D.S., L.D.S.
Heighway, H. E., B.D.S., L.D.S.

Clin. Demrs. in D. Surg.
Bate, W. J., L.D.S.
Browne, A. L., L.D.S.
Draycott, R. J., L.D.S.
Hoggins, G. S., B.D.S., L.D.S., F.D.S.R.C.S.

Demrs. in Operative D. Surg. (Pt.-time)
Draycott, G. K. L., B.D.S., L.D.S.
Dowler, G. D., L.D.S.

3 Instrs. in Dent. Mechanics

Economic History, v. also Hist.
Court, W. H. B., M.A. Camb. and Harv., M.Com. Prof.
Wightman, D. R., B.Sc. (Econ.) Lond. Lectr.
Eversley, D. E. C., B.Sc. (Econ.) Lond. Lectr.

Economics
Walker, G., M.A. Oxon., D.Litt. Dean and Prof.
Hahn, F. H., B.Sc. (Econ.), Ph.D. Lond. (Econ.) Lectr.
Hahn, Mrs. Dorothy, B.Sc. (Econ.) Lond. (Econ.) Temp. Lectr.
Mackintosh, A. S., M.A. Camb. (Econ.) Lectr.
Bennathan, E., M.Com. Res. Assoc.

Economics and Institutions of the U.S.S.R.
Baykov, A., Ph.D. (Russian Econ. Studies) Reader.
Koutaissoff, Elisabeth, L. ès Ss. Lausanne, B.Litt. Oxon. (Russian Lang.) Lectr.
Barker, G. R., M.A. Camb., M.Com. (Russian Econ.) Lectr.

Education
Jeffreys, M. V. C., C.B.E., M.A. Oxon. and Birm.
Prof. and Dir. of Univ. Inst. of Educn.
Peel, E. A., B.Sc. Leeds, M.A., Ph.D. Lond.
Prof. and Hd. of Educn. Dept.
Sparrow, W. J., B.Sc., M.A., Ph.D.
Deputy to Hd. of Dept. for Postgrad. Training.
Wall, W. D., B.A. Lond., Ph.D. Reader.

Lecturers
Austin, Frances M., B.Sc. Belf., M.Sc., F.B.Ps.S.
Brearley, Margaret, B.A.

Burroughs, G. E. R., B.Sc. Lond., Ph.D.
Cheetham, Grace, B.Sc. Wales.
Curr, W., M.A., Ed.B. Glas.
Ewing, Nancy R., M.A. Edin.
Flood, W. E., M.A. Camb., Ph.D.
Goodborn, E. Joyce.
Gourlay, N., M.A., B.Sc., Ed.B. Glas.
Gulliford, R., B.A.
Hamilton, R., M.A. Edin.
Hobling, Margaret B., M.A. Oxon.
Honeybone, H. C., B.A. Lond.
James, B. C. L., M.A. Oxon.
Jull, Estelle N., B.A. Oxon., M.Ed. Durh.
Law, Elizabeth, B.A. Manc.
Oliver, J. N., B.Sc. Sheff.
Payne, Ethel R., M.Sc. Wales.
Pearson, Nina, B.Mus.
Pringle, Mia L. Kellmer, B.A., Ph.D. Lond.
Roberts, Christine D.
Storer, W. O., M.A. Camb.
Thorburn, A., M.A. Edin.
Tubbs, A. E., B.Sc. (Econ.) Lond.
Wills, Mrs. Vera W., Social Science Dipl.

Univ. Research Fellows
Neale, Marie D., M.A. N.Z.
Williams, Myfanwy.

Electron Physics

Sayers, J., M.Sc. Belf. and Birm., Ph.D. Camb. Prof.

University Research Fellows
Alfrey, G. F., M.A., D.Phil. Oxon.
Kerr, L. W., M.Sc., Ph.D. Belf.

Engineering, Chemical

Garner, F. H., O.B.E., Ph.D. Pitt., M.Sc., F.R.I.C.
Prof. and Dir. of Dept.
Morton, F., D.Sc. Manc., F.R.I.C.
Prof.

Lecturers
Ellis, S. R. M., M.Sc. N.Z., Ph.D., F.R.I.C.
Long, R., Ph.D. Leeds.
Nutt, C. W., Ph.D. Brist.
Bransom, S. H., Ph.D. Brist.
Husband, W. H., B.Sc. Manc.
Charles, E. J., B.Sc.
Crooks, W. M., B.Sc.
Freshwater, D. C., B.Sc.
Ross, T. K., Ph.D. Lond.
Shearn, R. B., B.Sc.
Porter, C. R., Ph.D. Lond.
Mohtadi, F., Ph.D.
I.C.I. Res. Fellow.

Engineering, Civil

Redshaw, S. C., D.Sc. Wales, Ph.D. Lond., F.R.Ae.S.
Beale Prof.

Lecturers
Coultas, H. W., B.Sc. Leeds, M.Sc.
Veal, T. H. P., B.Sc. Brist.
Kolbuszewski, J., Ph.D. Lond., F.G.S.
Essery, I. T. S., M.C., M.Sc.
Hill, H. V., M.Sc. Brist.
Palmer, P. J., M.Sc. Lond., Ph.D.
Mackey, R. D., B.Sc. Durh.

Engineering, Electrical

Tustin, A., M.Sc. Durh. and Birm.
Prof.
Bell, D. A., M.A., B.Sc. Oxon., Ph.D. (Electromag.) Reader.

Lecturers
Jarvis, A. P., M.Sc.
Hudson, J., M.Eng. Liv. (Mining).
Layton, J. M., B.Sc. Lond., B.A. Oxon.
Ward, E. E., B.Sc., Ph.D.
Higham, J. B., B.Sc., Ph.D. Liv.
Henderson, J. G., B.Sc. Durh.
Allanson, J. T., M.Sc. Manc.

Engineering, Mechanical

Mucklow, G. F., D.Sc. Manc., M.Sc.
Chance Prof. and Hd. of Dept.
Bannister, F. K., B.Sc. Lond. and Leeds, Ph.D. (Thermodyn.)
Prof.

Lecturers
Sandifer, D. A. N., B.Sc. Lond., M.Sc., D.I.C.

Linning, W. A., B.Sc. Glas.
Cole, B. N., B.Sc. Lond., Ph.D.
Carnegie, W., B.Sc. Durh.
Railly, J. W., M.Sc. Lond.
Mills, B., B.Sc., Ph.D.
Emery, D. W., M.Sc. Lond.
Wallace, F. J., B.Sc., Ph.D.

Engineering Production

Matthew, T. U., B.Sc. Lond., Ph.D. Camb., M.Sc. Lucas Prof.
Dudley, N. A., B.Sc. Lond. Lectr.
Benson, F., B.A. Lond. (Appl. Stats.) Lectr.
Edmondson, F., B.Sc. Leverhulme Res. Fellow.

Univ. Research Fellows

Crossman, E. R. F. W., M.A. Camb.
Seymour, W. D., B.A. Lond.

English

Nicoll, A., M.A. Glas., Hon. D. ès L. Toulouse and Montpellier Prof. of English Lang. and Lit., and Dir. of Shakespeare Inst.

Lecturers

Shapiro, I. A., M.A.
Duncan-Jones, Elsie, M.A. Camb.
Smith, H. A., Ph.D.
Galway, Margaret, M.A. Belf.
Macfarlane, Nancy A., M.A. Oxon.
Reynolds, E., B.A. Lond., Ph.D. Camb.
Edwards, P. W., M.A.
Brewer, D. S., M.A. Oxon.
Rees, Joan, M.A. Lond., B.A.
Shepherd, G. T., M.A. Lond. (Engl. Lang.).
Stanley, E. G., B.A. Oxon.

Fellows and Lecturers of Shakespeare Inst.

Sisson, C. J., M.A. Edin., D.Lit. Lond., D. ès L. Dijon Sr. Fellow and Asst. Dir.
Martin, L. C., B.Litt., M.A. Oxon. Foyle Res. Fellow.
McCullen, J. T., Ph.D. N. Carolina Hon. Fellow (1954–55).
Brown, J. R., B.A., B.Litt. Oxon.
Hill, R. F., B.Litt. Oxon., B.A. So'ton.

Fine Arts, v. Art

French

Mackenzie, F., Chev. Lég. d'H., M.A. N.Z. and Birm., D. ès L. Paris, Hon. D. de l'U. Montpellier Prof.

Lecturers

Milner, J. M., M.A. Leeds.
Homer, N. Rosalind, B.A.
Tillett, Margaret G., M.A. R'dg.
Hathaway, E. J., B.A.
Healey, F. G., M.A., Ph.D.
Screech, M. A., B.A. Lond.
Conlon, P. M., M.A. N.Z., D. de l'U. Paris

Temp. Asst. Lectrs.

Hilton, Mrs. Margaret, B.A. Oxon.
Thody, P. M. W., M.A. Lond.

Assts. in Colloquial French

Knowles, Mme Jane.
Argelliez, Simone.
Pendanx, Mme.
Bizard, Mlle.

Genetics

Mather, K., D.Sc. Lond., M.Sc., F.R.S. Dean Fac. of Sci., Prof.
Wigan, L. G., B.A. Oxon., B.Sc. Lond. Lectr.
Rees, H., D.F.C., B.Sc. Wales, Ph.D. (Cytol.) Lectr.
Hayman, B. I., M.Sc. N.Z., B.A. Camb. Univ. Res. Fellow.
Jinks, J. L., Ph.D. Univ. Res. Fellow.

Geography

Kinvig, R. H., M.A. Liv. and Birm. Prof.

Lecturers

Thorpe, H., M.A., M.Litt. Durh., Ph.D.

Warwick, G. T., M.B.E., B.Sc. Brist., Ph.D.
Johnson, B. L. C., B.A. Lond., M.A.
Butland, G. J., B.A., Ph.D.
Stedman, M. B., M.A. Camb.
Jones, I. E., B.A. Wales
Stringer, E. T., B.Sc., Ph.D. Asst. Lectr.

Geology and Mineralogy

Shotton, F. W., M.B.E., M.A., Sc.D. Camb., F.G.S. Prof.

Lecturers

Hardie, W. G., B.Sc. Lond., F.G.S.
Lacy, E. D., B.Sc. Lond., F.G.S.
Garrett, P. A., B.Sc., F.G.S.
Griffiths, D. H., M.Sc. Manc., Ph.D., F.G.S. (Geophys.).
Strachan, I., B.Sc. Edin., Ph.D. Camb., F.G.S.
Lawson, J. D., B.Sc., Ph.D. Manc., F.G.S.

I.C.I. Research Fellow

King, R. F., B.A., Ph.D. Camb., B.Sc. Lond.

German

Pascal, R., M.A. Camb. and Birm., Litt.D. Camb. Prof.

Lecturers

Thomas, R. H., M.A. Camb., Ph.D.
Horn, J., Ph.D. Vienna.
Lockwood, W. B., B.A. Manc., M.A. Brist.
Prawer, S. S., M.A. Camb., Ph.D.
Cunningham, Amy F., M.A. Liv. Asst. Lectr.

History, v. also Econ. Hist.

Hawgood, J. A., M.A., D.Lit. Lond., Ph.D. Heidel., M.Com. (Mod. Hist. and Govt.) Prof.
Cronne, H. A., M.A. Oxon. and Birm. (Med. H.) Dean Fac. of Arts, Prof.
Styles, P., M.A. Oxon. (Engl. H.) Reader.

Lecturers

Templeman, G., M.A. Lond., B.A.
Archer, Margaret, M.A. Liv., B.Litt. Oxon.
Ransome, Mary, M.A. Camb.
Hilton, R. H., D.Phil. Oxon.
Hardy, S. M., M.A. Camb., Ph.D. Lond.
Ferns, H. S., B.A. Manit., M.A. Qu. and Camb., Ph.D. Camb. (Mod. H. & Govt.).
Maddick, H., M.A. Oxon. (Pub. Admin.).
Wightman, D. R., B.Sc. (Econ.) Lond. (Econ. H.).
Eversley, D. E. C., B.Sc. (Econ.) Lond. (Econ. H.).
Johnson, D. W. J., B.Litt. Oxon.
Lockie, D. McN., M.A. Oxon.
Ostry, B., B.A. Manit. (Mod. H. and Govt.) Res. Associate.

Italian

Whitfield, J. H., M.A. Oxon. and Birm. Serena Prof.
Rees, D. G., M.A. Oxon. Lectr.

Jurisprudence, v. Law

Law

Phillips, O. H., M.A., B.C.L. Oxon., M.A., LL.B. Dub., LL.M. (Jurisprud.) Dean and Dir. of Legal Studies, Barber Prof.
Hargreaves, A. D., M.A., LL.B. Camb. (Law) Barber Prof.
Grove, G. A., LL.M. (Conveyancing & Equity) Prof.
Unger, J., LL.M. Lond. (Internat. L.) Reader.
Camm, W. C., LL.M. (Legal Ethics) Hon. Reader.

Lecturers

Parker, C. F., M.A., LL.B. Camb. (Common L.).
Bate, S. H., LL.B.
Adams, D. S., B.C.L. Oxon., LL.B.
Homer, J. A., B.A., LL.B.

Saxby, C. O., B.A. Oxon., F.C.A. (Trust Accounts, etc.).

Linguistics

Ross, A. S. C., M.A. Oxon. and Birm. Prof.

Malting and Brewing and Applied Biochemistry

Hopkins, R. H., D.Sc., F.R.I.C. Adrian Brown Prof.

Norris, F. W., Ph.D. Lond., D.Sc., F.R.I.C. (Plant Biochem.). Reader.

Lecturers

Challinor, S. W., D.Sc. Edin., Ph.D., F.R.I.C.

Rainbow, C., Ph.D.

Kulka, D., Ph.D. Vienna.

Mathematical Physics

Peierls, R. E., C.B.E., M.A. Camb., D.Phil. Leipzig, D.Sc. Manc., M.Sc., F.R.S. Prof.

Lecturers

Matthews, P. T., Ph.D. Camb.

Dalitz, R. H., B.A., B.Sc. Melb., Ph.D. Camb.

Field, G., B.Sc., Ph.D. Lond.

Woodward, J. B., B.Sc., Ph.D.

Brown, G. E., B.Sc. Wis., Ph.D. Yale Temp. Lectr.

Valatin, J. G., D.Ing. Bud., D.Sc. Paris. Univ. Res. Fellow.

Edwards, S. F., B.A., Ph.D. Camb. I.C.I. Res. Fellow.

Mathematics, Pure

Rogers, C. A., D.Sc. Lond.

Lecturers

Calderwood, Nora I., M.A., B.Sc., Ph.D. Edin.

Kuttner, B., M.A., Ph.D. Camb.

Wardle, K. L., M.A. Camb.

Mulholland, H. P., M.A., Ph.D. Camb.

Shephard, G. C., B.A., Ph.D. Camb.

Medicine, v. *infra*

Metallurgy

Murphy, A. J., M.Sc. Manc., F.I.M. Dir. of the Combined Depts. of Physical and Industr. Metall.

Metallurgy, Industrial

Murphy, A. J., M.Sc. Manc., F.I.M. Prof.

Lecturers

Singer, A. R. E., Ph.D., B.Sc.

Kondic, V., Ph.D., B.Sc.

Wilson, D. V., M.A. Camb., Ph.D. Sheff.

Broom, T., M.A. Camb.

Cockcroft, M. G., M.Sc. Manc.

Research Fellows

Pick, J. J., B.Eng.Met. Liv. Lucas Res. Fellow.

Thresh, H. R., B.Sc. Univ. Res. Fellow.

Aitchison, L., M.Sc., D.Met. Sheff., B.Sc. Lond., F.R.I.C., F.R.Ae.S. Hon. Res. Fellow (Indust. Met.).

Metallurgy, Physical

Raynor, G. V., D.Phil., M.A., D.Sc. Oxon (Physical Met.). Prof.

Cottrell, A. H., Ph.D., B.Sc. (Physical Met.) Prof.

Lecturers

Wright, T., Ph.D., M.Sc. Sheff.

Cahn, R. W., Ph.D. Camb.

Pell-Walpole, W. T., Ph.D., D.Sc.

Glover, S. G., B.Sc.

Pratt, P. L., B.Sc., Ph.D.

Eshelby, J. D., Ph.D. Brist.

Res. Fellows in Metall.

Harding, A. R., Ph.D., B.Sc.

Williams, A. J., B.Sc. Ontario

Jorro, M. A. A., Ph.D., B.Sc.

Mineralogy, v. Geology

Mining

Ward, S. G., M.Sc. Lond. and Birm., Ph.D. Lond., D.I.C., F.I.F. Prof.

Lecturers

Graham, J. K. L. (Metalliferous M.).
Cheetham, W. R., B.Sc. (Coal M.).
Thomas, W. G., B.Sc. Wales (Coal M.).
Ludlow, N. G. T., M.Sc. (Coal M.).
Eveson, G. F., Ph.D. (Coal Treatment).
..... (Metal M.).
Burrows, B. B. B., M.Sc. (Min. Surveying and M.).

Research Fellow

Lawson, G. J., Ph.D. (Coal Constitution).

Music

Lewis, A. C., M.A. Camb. and Birm., Mus.B. Camb. Peyton and Barber Prof.

Lecturers

Pearson, Nina, B.Mus.
Wishart, P. C. A., B.Mus.

Philosophy, Mental and Moral

Duncan-Jones, A. E., M.A. Camb., Ph.D. Prof.
Whiteley, C. H., M.A. Oxon., Ph.D. Reader.

Lecturers

McCracken, D. J., M.A. Oxon. and Belf., Ph.D. Belf.
Mayo, B., M.A. Oxon.
Geach, P. T., M.A. Oxon.

Physical Education

Munrow, A. D., B.Sc. Lond. Dir.

Lecturers

McIntosh, P. C., B.A. Oxon., M.A.
Madders, M. A.
Knapp, Barbara N., M Com.
Roberts, Christine D.
Slater, W. J.
Sanders, Beryl D. Asst. Lectr.
Baumert, M. Temp. Asst. Lectr.

Physics

Moon, P. B., M.A., Ph.D. Camb., M.Sc., F.I.P., F.R.S. Poynting Prof. and Hd. of Dept.
Burcham, W. E., M.A., Ph.D. Camb. (Phys.) Oliver Lodge Prof.
Johnson, M. C., M.A. Camb., D.Sc., F.R.A.S., F.I.P. (Astrophys.) Reader.

Lecturers

Ibbs, T. L., D.Sc., F.I.P.
Dee, A. A., B.Sc. Lond., D.I.C.
MacFadyen, K. A., M.Sc. Lond., F.I.P.
Knight, R. H., M.Sc.
Fremlin, J. H., M.A., Ph.D. Camb., F.I.P.
Walker, J., B.Sc., Ph.D.
Garlick, G. F. J., B.Sc., Ph.D., F.I.P.
Bracher, D. F., B.Sc., Ph.D.
Walker, D., M.Sc. N.Z., Ph.D.
Greenlees, G. W., M.A., Ph.D. Camb.
Jeffries, T. O., M.A., D.Phil. Oxon.
Lock, W. O., Ph.D. Brist.
Rolph, P. M., Ph.D. Temp. Lectr.

I.C.I. Research Fellows

Robin, G. de Q., M.Sc. Melb.
Chackett, K. F., B.Sc., Ph.D.
Reasbeck, P., Ph.D. Durh.

Nuffield Research Fellow

Souch, A. E., B.Sc. Lond.

University Research Fellows

Liquier-Milward, Jeanne, D.Sc. Paris, Ph.D.
Riddiford, L., M.Sc., Ph.D.
Symonds, J. L., B.Sc., Ph.D.
Rose, P. H., B.Sc. Lond.
Klepp, H., Cand. Real. Oslo

Anderson, D. L., Ph.D. Harv.

Physiology

Gilding, H. P., M.A., B.M., B.Ch. Oxon., M.D.
Bowman Prof. and Dir. of Dept.

Thorpe, W. V., M.A. Camb., Ph.D. Lond. (Chem. P.) Reader.

Barclay, J. A., M.A., B.Sc., M.B., Ch.B. Aberd.
(Renal P.) Reader.

Lecturers

Nutt, Marjorie E., B.Sc. Lond., Ph.D. (Physiol.).

Whitfield, I. C., Ph.D., B.Sc. Lond. (Physiol.).

Asher, H. M. F., B.A. Camb. (Physiol.).

Brown, E. A., M.B., B.S. Lond. (Physiol.).

Jackson, D. Mary, B.Sc., Ph.D. (Physiol.).

Hamley, E. J., B.A. Tor., Ph.D. Lond. (Physiol.).

Hall, Kathleen, Ph.D., B.Sc. Wales (Histol.).

Bray, H. G., D.Sc., Ph.D. (Biochem.).

James, Sybil P., Ph.D., B.Sc. (Biochem.).

White, K., B.Sc. Lond., Ph.D. (Biochem.).

Thomas, G., M.Sc. (Clin. Biochem.) Hon. Pt.-time Lectr.

Manzotti, M., M.D. Milan
Asst. Lectr.

Armitage, G. H., M.B., Ch.B. Edin. (App. Physiol.)
Pt.-time Tutor.

Singh, I. D., M.B., B.S. Panj.
Univ. Res. Fellow.

Russian Economic Studies, v. *supra* Economics and Institutions of the U.S.S.R.

Russian Language and Literature.

Kiparsky, V., D.Phil. Helsinki [Prof.

Arian - Baykov, Inna, D.Phil. Prague Lectr.

Johnson, D. J. L., B.A.
Lectr.

Social Science and Sociology

Madge, C., M.A. Prof.

Halsey, A. H., B.Sc. (Econ.) Lond. (Sociol.) Lectr.

..... Res. Fellow.

Stirrat, Mrs. Jeannie E., M.B., Ch.B. (Soc. Psychol.)
Pt.-time Lectr.

Social Study

Madge, C., M.A. Prof. and Dir.

Shenfield, Mrs. Barbara E., B.A.
Lectr.

Cavenagh, Mrs. Winifred E., B.Sc. (Econ.), D.P.A. Lond.
(Practical Studies) Lectr. and Tutor.

Shapiro, Mrs. Pauline C., M.A. Oxon. (Child Service Course)
Lectr. and Tutor

Klein, Joséphine, B.A. Lond., Ph.D. (Social Study)
Lectr.

Spanish

Manson, J., M.A., Ph.D. Edin.
Assoc. Prof.

Lecturers

Atkinson, Dorothy M., M.A. Sheff.

Gibbs, J., B.A., B.Litt., D.Phil. Oxon.

Lora, J. Garcia, M.A.

Burns, Adelaide, M.A.
Temp. Pt.-time Asst. Lectr.

Jarero, E.
Asst. in Colloquial Spanish.

Statistics

Gorman, W. M., B.A. Dub. (Stats. and Econometrics) Lectr.

Walters, A. A., B.Sc. (Econ.) Lond. (Stats.) Lectr.

Melville, Jean, B.Sc. (Stats.)
Temp. Lectr.

Theology

Lampe, Rev. G. W. H., M.C., M.A., D.D. Oxon.
Edward Cadbury Prof.

Davies, Rev. J. G., M.A. Birm. and Oxon., B.D. Oxon. Lectr.

Recognized Lecturers

Anderson, Rev. G. W., M.A. St. And. and Camb.

Curtis, Rev. A. H., M.A., B.D. Edin.

Davis, Very Rev. H. F., M.A. Oxon., D.D. Freiburg.

Foster, Rev. R. J., S.T.L., L.S.S. Rome.

Gribble, Rev. Preb. A. S., M.A. Camb.

Herbert, Rev. A. S., M.A. Oxon., B.D. Lond.

Magill, Rev. W. B. B., B.A., B.D. Dub.

Mitton, Rev. C. L., B.A. Manc., B.D., M.Th., Ph.D. Lond.

Smithen, Rev. F. J., M.A., B.D. Camb.

Watson, Rev. P. S., M.A. Durh. and Camb., B.D. Camb.

Zoology and Comp. Physiology

Lowenstein, O. E., D.Phil. Mün., D.Sc. Glas., Ph.D. Mason Prof.

Edney, E. B., Ph.D. Lond., B.Sc. S.A., D.Sc., D.I.C.
(Entomol.) Reader.

Lecturers

Roberts, J. I., D.Sc. Wales.

Yapp, W. B., M.A. Oxon.

Finlayson, L. H., B.Sc. Glas., Ph.D.

Gibson, R. J., B.Sc.

Llewellyn, J., M.Sc. Wales, Ph.D.

Murray, R. W., M.A., D.Phil. Oxon.

Pepper, Florence J., B.Sc., Ph.D.

Honorary Appointments
(Faculty of Arts)

Tod, Marcus N., O.B.E., M.A., Hon. Litt.D. Dub., Hon. LL.D. Edin., Hon. D.Litt., F.B.A.
(Hon. Member of Univ. Staff).

Humphreys, K. W., B.Litt., M.A. Oxon. (Palæography)
Hon. Lectr.

Medicine

(for subjects of first 2 yrs.—Anat., etc., v. *supra*)

Dean :—Prof. A. P. Thomson, M.C., M.D., F.R.C.P.

Sub-Dean and Tutor :—Prof. C. F. V. Smout, M.D., Ch.B.

Director, Board of Graduate Studies :—Emeritus Prof. W. H. Wynn, M.D., B.Sc. Lond., M.Sc., M.B., Ch.B., F.R.C.P.

Anæsthetics

Featherstone, H. W., O.B.E., M.A., M.D., B.Chir. Camb., LL.D. Edin., F.F.A.R.C.S.
Lectr. (Pt.-time) and Clin. Lectr.

University Clinical Lecturers

Clarke, L. T., T.D., B.Sc., M.B., Ch.B., F.F.A.R.C.S.

Murtagh, B. L. S., M.B., Ch.B., F.F.A.R.C.S.

Sanders, Doris M., M.B., Ch.B., F.R.A.R.C.S.

Green, Marion W. S., M.B., Ch.B., F.F.A.R.C.S.

Rawlins, G. A., D.S.C., M.B., Ch.B.

Mason, Helen S., M.B., Ch.B., F.F.A.R.C.S.

Mills, Margaret J., M.B., Ch.B.

Wall, Doris J., B.Sc., M.B., Ch.B.

Welsh, Janet R.

Woodward, J. W., M.B., Ch.B., F.F.A.R.C.S.

Bacteriology

Shrewsbury, J. F. D., M.D., Ch.B. Liv., M.D., D.P.H. Prof.

Bisset, K. A., Ph.D., D.Sc. Edin. (Systematic Bacteriol.)
Reader.

Lecturers

Laughton, Nancy, M.D., Ch.B., D.P.H.
Moore, F. W., B.Sc. Durh.
Cartwright, N. J., B.Sc., Ph.D. Sheff.
Conran, M. B., M.B., B.S. Lond.
Baines, S., B.Sc. Leeds, Ph.D.
Grace, Joyce B., B.Sc. Lectr.

Dental Surgery

Univ. Clinical Lecturers

Walker, R. O., F.D.S.R.C.S.
Pusey, R. F., B.D.S.
Hoggins, G. S., F.D.S.R.C.S.

Ear, Nose and Throat, Diseases of

Moffett, A. J., T.D., M.B., Ch.B., F.R.C.S.
Lectr. (Pt.-time) and Clin. Lectr.

Univ. Clinical Lecturers

Adams, W. S., M.B., Ch.B., F.R.C.S.
Crabtree, N. L., D.L.O., F.R.C.S.
Strang, R. R. S., M.B., Ch.B. Glas., F.R.C.S.
Evans, R., M.D. Belf., D.L.O., F.R.C.S.Ed.

Forensic M. and Toxicology

Webster, J. M., C.B.E., M.A., B.Sc., M.B., Ch.B. St. And., M.D., F.R.C.S.Ed. Prof.
..... Lectr.

Gastroenterology

Hardy, T. L., M.A. Camb., M.D. Camb. and Birm., F.R.C.P. Prof.

Medical Statistics

Hogben, L., M.A. Camb., D.Sc. Lond., M.Sc., F.R.S. Prof.
Charles, Enid, M.A. Camb., Ph.D. Cape T. (Demogr. and Vital Stats.) Pt.-time Reader.
Waterhouse, J. A. H., M.A. Camb., Ph.D. (Med. Stats.) Reader.
Cross, K. W., B.Sc., Ph.D. Sr. Statistical Officer.
Padley, R., Ph.D. Edin., B.Com. Pt.-time Lectr.
Gordon, C. W., M.B., Ch.B. Aberd., D.P.H. Pt.-time Lectr.
Evans, Marie Asst. Statistical Officer.
Mackenzie, Alison Asst. Statistical Officer.
Taylor, W., B.Sc. (Econ.) Lond., Ph D. Univ. Res. Fellow.

Medicine

Arnott, W. M., T.D., B.Sc. Edin., M.D. Edin. and Birm., F.R.C.P., F.R.C.P.Ed. William Withering Prof.
Cooke, W. T., M.A., M.D. Camb., F.R.C.P. Reader and First Asst.
Donald, K. W., D.S.C., M.A., M.D. Camb., D.Sc., F.R.C.P. Reader.
Crooke, A. C., M.A., M.D. Camb. Hon. Reader.
Armitage, G. H., M.B., Ch.B. Edin. Lectr.
Wade, O. L., M.A., M.D. Camb. Lectr.
Whitfield, A. G. W., M.D., F.R.C.P. Lectr. (Pt.-time).
Tate, B. C., M.B.E., M.A., M.D. Camb., F.R.C.P. (Dermatol.) Lectr. (Pt.-time).

Univ. Research Fellows

Cooper, E. A., M.A., M.B., B.Chir. Camb., D.A.
Saha, H. L., M.B. Calc.

Univ. Clin. Lectrs.

Ash, E. B., M.B., Ch.B. (Dermatol.).
Brenner, O., M.D., F.R.C.P.
Bulmer, E., C.B.E., M.D. Edin., F.R.C.P., F.R.C.P.Ed.
Cloake, Prof. P. C. P., B.Sc., M.D. Lond. and Birm., D.P.M., D.P.H. Camb., F.R.C.P.
Crooke, A. C., M.A., M.D. Camb.
Davison, P., B.Sc., M.D.
Hawkins, C. F., M.D. Lond.
Humphreys, D. R., M.D.

Knight, G. H., M.D., Ch.B. (Venereal Disease).
Malins, J. M., M.B., Ch.B.
Nagley, L., M.D. Leeds.
Parsons, C. G., M.A., M.D. Camb., F.R.C.P.
Sheldon, J. H., M.D. Lond., F.R.C.P.
Smallwood, W. C., M.D., F.R.C.P.
St. Johnston, C. R., M.D., F.R.C.P.
Tate, B. C., M.B.E., M.A., M.D. Camb., F.R.C.P. (Dermatol.).
Taylor, A. B., M.D., F.R.C.P.
Thomson, Prof. A. P., M.C., M.D., F.R.C.P.
Whitfield, A. G. W., M.D., Ch.B., F.R.C.P.
Williams, G. E. O., M.D. Liv.

Neurological Studies

Cloake, P. C. P., B.Sc., M.D. Lond. M.D., D.P.M., D.P.H. Camb., F.R.C.P. (Neurol.)
Prof. and Dir. of Div. of N. Studies.
Hall, G. S., M.D., F.R.C.P. (Neurol.)
Pt.-time Lectr. and Clin. Lectr.
Jefferson, J. M., M.A., B.Sc., D.M., B.Ch. Oxon. (Neurol.)
Lectr. and First Asst.
Elkes, J. J., M.D. (Exper. Psychiat.) Prof.
O'Reilly, J. J., M.B., B.Ch., B.A.O. Belf., D.P.M. Lond.
Pt.-time Lectr. (Psychiat.) and Univ. Clin. Lectr. (Psychol. Med.)
Bradley, P. B., B.Sc. Brist., Ph.D. (Exper. Psychiat.)
Univ. Res. Fellow.
Baker, R. G., B.Sc. Lond. (Exper. Psychiat.) Univ. Res. Fellow.
Piercy, M. F., M.A. Camb. (Exper. Psychiat.) Univ. Res. Fellow.
Todrick, A., B.A., B.Sc. Oxon (Exper. Psychiat.)
Univ. Res. Fellow.
Elkes, Charmian E., M.B., B.S. Lond. (Exper. Psychiat.)
Univ. Res. Fellow.
Sim, M., M.D., D.P.M. (Psychiat.)
Univ. Clin. Lectr.
Tibbetts, R. W., M.A., B.M., B.Ch. Oxon., D.P.M. (Psychiat.) Univ. Clin. Lectr.
Hughes, E. Brodie, M.B., B.S. Lond., Ch.M., F.R.C.S. (Neurosurg.) Prof.
Turner, E. A., M.B., Ch.B. Glas., F.R.C.S. (Neurosurg.)
Lectr. (Pt.-time) and Clin. Lectr.
Small, J. M., M.B., Ch.B., F.R.C.S. (Neurosurg.)
Univ. Clin. Lectr.

Obstetrics and Gynæcology

McLaren, H. C., M.D., Ch.B. Glas., F.R.C.S.Ed., F.R.F.P.S.Glas., F.R.C.O.G. Prof.
Noble, M. J. D., M.B., Ch.B. Edin., F.R.C.S.Ed. First Asst.
Parker, R. B., M.B., Ch.B. Edin.
Lectr.
Taylor, C. W., M.B., Ch.B.
Hon. member of staff.

Pt.-time Lectrs and Univ. Clin. Lectrs.

Tait, F. Selby, M.B., Ch.B., F.R.C.S.
Davidson, S., A.F.C., M.B., Ch.B. Edin., F.R.C.S.Ed., F.R.C.O.G.
Deacon, A. L., F.R.C.S.Ed.
Mills, W. G., M.B., Ch.B., F.R.C.S. F.R.C.O.G.
Shotton, Dorothy M., M.B., Ch.B.

Univ. Clinical Lecturers (v. *supra* also)

Dobbie, Beatrice M. W., M.A., M.B., B.Chir. Camb., D.M.R.E. Lond., F.R.C.S.

Dougray, T., M.B., Ch.B. Glas.
Ganner, P. J., B.S. Lond., F.R.C.S.
Hallum, Jean, M.B., Ch.B., D.C.H.
Lester, G. S., M.B., Ch.B., F.R.C.S.Ed.
Maslen-Jones, S. W., M.S. Lond., F.R.C.S., F.R.C.O.G.
MacMillan, K., F.R.C.S., F.R.C.O.G.
Park, L. M., M.B., Ch.B., F.R.C.S.
Taylor, W. A., M.D. Dub., F.R.C.S.I., F.R.C.O.G.

Ophthalmology

Rudd, C., M.B., Ch.B., F.R.F.P.S. Glas., D.O.M.S. Lectr. (Pt.-time) and Clin. Lectr.

Univ. Clinical Lecturers

Archer-Hall, H. W., D.O. Oxon.
Alabaster, E. B., D.O. Oxon., F.R.C.S.
Butler, R. D. W., B.A. Camb., D.O.M.S.
Walker, W. M., B.Sc., M.B., Ch.B. St. And., F.R.C.S.
Evans, L. P. J., M.A., B.Chir., M.D. Camb., F.R.C.S., D.O.M.S.

Pædiatrics and Child Health

Smellie, J. M., O.B.E., T.D., M.D. Edin. and Birm., F.R.C.P. Prof.
Mackintosh, Jean M., M.D. Glas., D.P.H. Glas. and Ed., D.P.A. Lond. Pt.-time Reader.
Gerrard, J. W., B.A., B.M., B.Ch., D.M. Oxon. First Asst.
Wolff, O. H., B.A., M.D., B.Chir. Camb. Lectr.
Crosse, V. Mary, O.B.E., M.D. Lond., D.P.H. Pt.-time Lectr.
Smallwood, W. C., M.D., F.R.C.P. Pt.-time Lectr. and Clin. Lectr.
Burns, C. L. C., D.P.M. (Child Guidance) Pt.-time Lectr.
Cohen, H. M., M.D., D.P.H. (School Health) Pt.-time Lectr.
Ross, Constance A. C., M.D., Ch.B. Glas. Univ. Res. Fellow.

Univ. Clinical Lecturers (v. *supra* also)

Braid, Frances, M.D. St. And., F.R.C.P.
Cant, W. H. P., M.D. Lond.
Jones, H. W. E., O.B.E., M.B., B.S. Lond.
Parsons, C. G., M.A., M.D. Camb., F.R.C.P.

Pathological Studies

Experimental Pathology

Squire, J. R., M.A. Camb., M.D. Camb and Birm., F.R.C.P. Leith Prof. and Dir. of Div. of Pathol. Studies.
Gell, P. G. H., B.A., M.B., B.Chir. Camb. Reader.
Walton, K., M.D. Lond., Ph.D. Lectr.
Hardwicke, J., M.B., B.S., B.Sc. Lond., M.D. Lectr.
Weiner, W., M.D. Prague Pt.-time Lectr.

University Research Fellows

Bickel, H., Ph.D., M.D. Vienna.
Blainey, J. D., M.D., B.S. Lond. (Metabolic Diseases) Lectr.
Bull, J. P., M.A., M.D., B.Chir. Camb.
Cruickshank, C. N. D., M.D., Ch.B. St. And.
Holti, G., M.B., Ch.B. Leeds.
Jeavons, S. Mary, M.B., Ch.B.
Ricketts, C. R., Ph.D., F.R.I.C.
Rowe, D. S., M.B., Ch.B., B.Sc.

Pathology

Orr, J. W., B.Sc., M.D. Belf., M.D., D.P.H. Belf., F.R.C.P. Prof. and Dir. of Cancer Res.

Brewer, D. B., M.D., B.S. Lond. Sr. Lectr.

Taylor, C. W., M.B., Ch.B. Hon. Member of Staff.

Jackson, J. G., M.B., Ch.B. Lectr.

Smith, W. T., M.B., Ch.B. Lectr.

Davis, B. T., M.B., Ch.B. Lectr.

Lannigan, R., M.B., Ch.B. Lectr.

Thornton, K. R., B.Sc., M.B., Ch.B. Leeds. Lectr.

Halley, J. B. W., M.B., Ch.B. St. And. Lectr.

Woodhouse, D. L., Ph.D., M.Sc., F.R.I.C. Reader in Chem. Pathol. (Cancer Res.).

Dyke, S. C., D.M. Oxon., F.R.C.P. Pt.-time Curator of Regional Histological Collection.

University Research Fellows

Hamer, D., Ph.D.

Howell, J. S., M.B., Ch.B.

Marchant, June, B.Sc., Ph.D.

Valteris, K., M.D. Kaunas.

Univ. Clinical Lecturers (Pt.-time)

Baar, H., M.D. Vienna and Birm., Ph.D. Vienna.

Meynell, M. J., B.Sc., M.D. Sheff., D.P.H. Leeds.

Rogers, K. B., M.D., B.S. Lond.

Whitelaw, W., M.B., Ch.B. Glas.

Taylor, C. W., M.B., Ch.B.

Pharmacology and Therapeutics

Frazer, A. C., M.B., B.S., Ph.D., D.Sc. Lond., M.D., F.R.C.P. (Pharm.) Prof.

Thomson, A. P., M.C., M.D., F.R.C.P. (Therapeutics) Prof. and Dean Fac. of Med.

Lecturers

Schneider, R., M.D.

Chance, M. R. A., B.Sc. Lond., Ph.D.

Sammons, H. G., B.Sc., Ph.D.

French, J. M., M.B., B.S. Lond., Ph.D., M.D.

Finean, J. B., B.Sc., Ph.D.

Pover, W. F. R., B.Sc., Ph.D.

University Research Fellows

Crosskey, Margaret A., M.A.

Forbes, O. C., B.Sc., Ph.D., M.B., Ch.B.

Hawthorne, J. N., B.Sc., Ph.D.

Ross, Constance A. C., M.D., Ch.B. Glas.

Teale, F. W. J., B.Sc., Ph.D.

Williams, Frances E., M.Sc., Ph.D.

Wood, W. A., B.Sc., Ph.D. Glas.

Shaw, B., Ph.D.

Pt.-time Demrs. (Pharmacy)

McArdle, C. M.

Marston, A. E., F.C.S.

Speakman, E. G.

Radiology

Teall, C. G., M.D., F.F.R. Hon. Lectr. (Dept. of Surg.).

Univ. Clinical Lecturers

Bromley, J. F., O.B.E., M.B., Ch.B. Manc., D.M.R.E. Camb., F.F.R., F.R.C.P

Teall, C. G., M.D., F.F.R.

Thorpe, E., M.B., Ch.B., D.M.R.E. Camb.

Astley, R., M.B., Ch.B.

Holme, G. M., M.B., Ch.B.

Bishop, J. C., M.C., M.B., Ch.B.

Bond, W. H., M.B., Ch.B., F.R.C.S

Smith, O. E., M.B., Ch.B.

Hutton, J. F. K., M.A. Camb., M.B., Ch.B. Glas., F.F.R.

Social Medicine

McKeown, T., B.A. Br. Col., Ph.D. McG., D.Phil. Oxon., M.B., B.S. Lond., M.D. Prof.

Record, R. G., M.D., Ch.B., D.P.H. (Soc. M.) Reader.

MacMahon, B., M.B., Ch.B., Ph.D. D.P.H. (Soc. M.) Lectr.

Brown, R. G., B.A. (Soc. M.) Lectr.

Paul, H., M.D. Belf., D.P.H. (Public Health) Pt.-time Lectr.

Lowe, C. R., M.D., Ph.D., Ch.B., D.P.H. (Public Health) Pt.-time Lectr.

Lloyd, W. J., M.A., M.B., B.Chir. Camb. (Occup. Health) Pt.-time Lectr.

Marr, N. G., M.B., Ch.B. Aberd. (Occup. Health) Pt.-time Lectr.

. . . . . (TB.) Pt.-time Lectr.

Smith, E. A., M.B., Ch.B. Univ. Res. Fellow.

Surgery

Stammers, F. A. R., C.B.E., T.D., B.Sc., M.B., Ch.M., F.R.C.S. Prof.

Brooke, B. N., M.Chir. Camb., M.D., F.R.C.S. Reader and First Asst.

Morrissey, D. M., M.B., M.Ch. N.U.I., F.R.C.S., F.R.C.S.Ed. Lectr.

Rains, A. J. H., M.S. Lond., F.R.C.S. Lectr.

. . . . . Lectr. (Pt. - time) and Clin. Lectr.

d'Abreu, A. L., O.B.E., Ch.M., F.R.C.S. Lectr. (Pt. - time) and Clin. Lectr.

Collis, J. L., B.Sc., M.D., F.R.C.S. Lectr. (Pt. - time) and Clin. Lectr.

Baines, G. H., M.A., M.B., B.Chir. Camb., F.R.C.S. Lectr. (Pt. - time) and Clin. Lectr.

Leather, J. B., M.A., M.B., B.Chir. Camb., F.R.C.S.Ed. (Orthopædic Surg.) Lectr. (Pt. - time) and Clin. Lectr.

Innes, A., M.B.E., M.A., B.Chir. Camb., F.R.C.S. Lectr. (Pt. - time) and Clin. Lectr.

Gourevitch, A., M.C., M.B., Ch.B., F.R.C.S. Lectr. (Pt. - time) and Clin. Lectr.

Univ. Clinical Lecturers (v. *supra* also)

Allan, F. G., B.S. Lond., F.R.C.S.

Debenham, R. K., C.B.E., M.A., M.D. Camb., F.R.C.S.

Donovan, T. S., M.Chir. Orth. Liv., M.B., Ch.B., F.R.C.S., F.R.C.S.Ed.

Donovan, H., M.B., Ch.B., F.R.C.S., F.R.C.S.Ed.

Gissane, W., M.B., Ch.M. Syd., F.R.C.S., F.R.C.S.Ed.

Hendry, A. M., M.B., Ch.B. Aberd., F.R.C.S.Ed.

Mason, R. P. S., M.C., F.R.C.S.

Patrick, V., B.Chir. Camb., F.R.C.S.

Mansfield, O. T., F.R.C.S. (Plastic Surg.).

Watson, A. B., M.B., Ch.M., F.R.C.S.

Edwards, J. A. C., M.B., B.S. Lond., F.R.C.S.

Edward Cadbury Lecturer in Theology

1954–55—Rev. N. Sykes, M.A. Leeds and Camb., M.A., D.Phil. Oxon., F.B.A.

Huxley Lecturer

1954—Professor D. M. S. Watson, D.Sc. Cape T., Manc., Rand, LL.D. Aberd., F.R.S.

Ingleby Lecturer

1954—Dr. P. Younge.

Sir Josiah Mason Lecturer

1953–54—H. I. P. Hogbin, M.A. Syd., Ph.D. Lond.

Muirhead Lecturer

(Appointed biennally)

1954–55—Prof. H. L. A. Hart, M.A. Oxon.

Leonard Parsons Lecturer

(Appointed biennially)

1954–55—W. F. Gaisford, M.Sc. Manc., M.D. Lond., F.R.C.P.

Poynting Lecturer

1954—Prof. R. E. Marshak, Ph.D.

William Withering Lecturer

(Appointed biennially)

1954—(Lecture cancelled).

Institute of Education

Jeffreys, M. V. C., C.B.E., M.A. Oxon. and Birm.
Prof. of Educn. and Dir. of Inst.

Administration

Barnett, Nora M., B.A. Lond.
Warden Tutor of Inst.

Berry, W. A. C., T.D., M.A. Oxon.
Staff Officer.

Saunders, W. L., M.A. Camb., F.L.A.
Librarian.

Gomm, G., B.A. Oxon., F.L.A.
Asst. Librarian.

Research Department

Peel, E. A., B.Sc. Leeds, Ph.D., M.A. Lond.
Prof. of Educn., Hd. of Dept. and of Remedial Educn. Centre.

Wall, W. D., B.A. Lond., Ph.D.
Reader in Educn. and Deputy-Hd. of Remedial Educn. Centre.

Lecturers

Brearley, Molly, B.A.

Burroughs, G. E. R., B.Sc. Lond., Ph.D.

Curr, W., M.A., Ed.B. Glas.

Gourlay, N., M.A., B.Sc., Ed.B. Glas.

Pringle, Mia L., B.A., Ph.D. Lond.

Wills, Mrs. Vera W., Social Science Dipl.

Research Fellows

Neale, Mrs. Marie D., M.A. N.Z.

Williams, Myfanwy, Postgrad. Dip. in Psychol. Lond.

Department of Extra-Mural Studies

Dudley, D. R., M.A. Camb.
Dir. of Extra-Mural Studies and Sec. of Bd. of Adult Educn.

Clark, R. T. Rundle, M.A. Oxon.
Sr. Staff Tutor.

24 other full-time Tutors.

ADMINISTRATIVE AND OTHER STAFF

REGISTRAR'S DEPT. Asst. Registrars: Jessie Brake, M.Com.; C. Snead, M.Com. (at Medical Sch.); C. Brackwell, M.A. Publications Officer: W. P. Brooks.

SECRETARY'S DEPT. Asst. Sec.: P. R. Burton, M.C. Accountant: W. D. Twist.

LIBRARY. Deputy Librarian: B. M. Bland, B.Com. Sub-Librarians: H. B. Evans, M.A.; Margaret P. Russell, M.A. Edin. Asst. Librarians: H. A. Howes, B.A., J. H. Keegan, P. Morgan, M.A.

MEDICAL OFFICERS. R. H. Bolton, B.A., B.M., B.Ch. Oxon.; J. C. Bowie, M.B., Ch.B. Aberd., Asst. Med. Officer. Univ. Dental Officer: D. B. Wells, L.D.S.

APPOINTMENTS BD. Sec.: P. C. Hordern, A.F.C., M.A. Oxon. Asst. Sec.: B. W. Pearson, M.A. Oxon.

DEPT. OF EXTRA-MURAL STUDIES. Sr. Admin. Asst.: N. H. B. Connor, M.A. Oxon. Librarian: E. P. Pritchard, B.A. Lond., F.L.A.

CENTRE FOR CONTINUED STUDIES. Warden: M. V. Temple, B.A. Wales.

LODGINGS WARDEN. Edith M. Teverson, B.Sc. Brist.

GUILD OF UNDERGRADUATES. Warden (1954–55): Rev. Canon B. S. W. Green, B.D. Pres. (1954–55): W. W. Bishop; Permanent Sec.: R. T. Jones.

WARDENS OF HALLS OF RESIDENCE. Women Students: Mrs. Julia Friend (University House); Men Students: P. C. Hordern, A.F.C., M.A. Oxon. (Chancellor's Hall); L. G. Wigan, B.A. Oxon., B.Sc. Lond. (Chad Hill); C. E. Harrold, B.Sc. Lond., Ph.D. Camb. (The Manor House).

UNIV. TRAINING CORPS (T.A.). Commanding Officer: Major R. J. Gibson.

UNIV. AIR SQUADRON. Commanding Officer: Sqn. Ldr. A. J. Ogilvie, D.S.O., D.F.C., A.F.C.

GENERAL INFORMATION

Mason Science College, founded in 1880 by Sir Josiah Mason, was re-named Mason College in 1892 when it merged with the Medical Faculty of Queen's College. In 1894, the Birmingham Training College for Teachers in Elementary Schools was transferred to Mason College which was incorporated by Act of Parliament three years later as "The Mason University College." This institution was absorbed in the University of Birmingham, incorporated by Royal Charter in 1900. The Charter prescribes instruction in all branches of a liberal education, particularly in relation to the manufacturing, commercial and industrial pursuits of the Midlands.

The main Univ. bldgs. which were opened in 1909 at Edgbaston, about 3 miles from the centre of Birmingham, now house the Facs. of Science (Pure and Applied) and Commerce and Social Science, together with the Barber Inst. of Fine Arts (v. p. 50) opened in 1939, and the Students' Union and St. Francis Hall, erected in 1937. Adjoining the Edgbaston site is the Medical School, opened in 1938, at the Hospitals Centre site. The Facs. of Arts and Law, and the Depts. of Educn. and Extra-Mural Studies, are still housed in the bldgs. of Mason College in Edmund St. in the centre of the city, but it is intended to provide accomm. for them at the Edgbaston site as soon as bldg. restrictions will allow.

CONSTITUTION. The governing body of the University is the Court of Governors (presided over by the Chancellor), whose executive committee is the Council, which submits an annual report to the Court; the Senate, which consists of the Vice-Chancellor and Principal, Vice-Principal, Deans of all Faculties and all Professors, regulates academic matters and its activities are subject to review by Council. The Pro-Chancellor presides over the Council and the Vice-Chancellor over the Senate. There are 5 Faculties, presided over by the Deans, which have their own Advisory Boards and Committees. The Delegacy of the Institute of Education reports direct to Senate.

INCOME (1952–53). Total income, £1,205,985 (Endowment, Donations and Subscriptions, £65,208; Grants from Local Authorities, £48,700; Parliamentary Grants, £888,220; Students' fees, £135,745; Contributions for Services of Staff, etc., £51,643; Other Income, £16,469).

FACULTIES AND DEANS. *Arts*, Prof. H. A. Cronne (Med. Hist.); *Commerce and Social Science*, Prof. G. Walker (Econ.); *Law*, Prof. O. H. Phillips (Jurisprud.); *Medicine*, Prof. A. P. Thomson (Therapeutics); *Science*, Prof. K. Mather (Genet.).

LIBRARY, about 450,000 vols., including Humanities libraries (Edmund St.), 160,000 vols.; Law library (Edmund St.), 6500 vols.; Science libraries (Edgbaston), 140,000 vols.; Medical library (Medical Sch.), 35,000 vols.; Music library (Barber Inst.), 34,000 items; other sections in Depts. of Geog., Brewing, Bot., Geol., Russian Economics, and Mining. The Fine Arts Library is part of the Barber Inst. *Special features*: Wedgwood philological library and Wigan library of 17th- and 18th-century theological works; very full representation of editions of works of Joseph Priestley. MUSEUMS: Anat., Dent., Geol., Zool., Mining, Herbarium (Bot.), Pathol., Physiol.

LABORATORIES. Chemical (special organic, phys., electro-chem., analytical and pub. health depts.); Phys. (including Electron Phys.), Biol., Genetics, Engin. (including Electr., Mech., Production, Civ. and Chem.), Metall. (Physical and Indust.), Mining (exceptionally well equipped, exper. coal-mine), Brewing; Biochem.; Anat.; Physiol.; Pathol.; Cancer Res.; Pharmacol.; Bacteriol; Power-station supplying whole Univ. with lighting, heat and power. A small OBSERVATORY is attached to the dept. of Phys. HOSPITALS recognized for Clin. instruction—United Birmingham Hospls. (General, Q. Elizabeth, Birmingham and Midland Hospls. for Women, Children's, Nerve and Dental) and 13 other hospls. for special teaching, under the control of the Birmingham Regional Hospl. Bd.

ADMISSION. *See* Appendix I.

DEGREES. B.A., B.Mus., B.D., M.A., M.Mus., D.Litt., D.Mus., D.D.; B.Sc. (in pure Science; in Engineering—Mech., Civ., Elec., Chemical, Petroleum; in Appl. Biochem.; in Metall.—Phys. and Indust.; in Mining—Coal and Metal); M.Sc., D.Sc.; M.B., Ch.B., B.D.S., M.D., Ch.M., M.D.S.; B.Com.: (*a*) General Course, (*b*) School of Russian Studies, (*c*) for Qualified Science Students; B.Soc.Sc. in Schools of Econ., Politics and Sociol., Social Study, Russian Studies, Maths., Econs. and Statistics, Geog.; M.Com., M.Soc.Sc.; LL.B., LL.M., LL.D.; Ph.D. (in any Fac.).

No degree can be obtained without attendance upon prescribed courses in the Univ. extending over at least 3 academic yrs. after matricn. except in the case of graduates of other approved Univs., who are, under certain conditions, admitted to the 1-yr. courses for the M.A. and M.Sc. and to 2-yr. courses for the B.Sc. (courses in technical subjects), Ph.D. (*see* p. 24), M.D., or Ch.M. B.A. with Honours, may be obtained in any one of the following Special Schools: Classics, Ancient Hist. and Archæol., History, Engl., French, German, Italian, Russian, Spanish, Philos., Maths., Geog., Theol., Linguistics. Honours are also awarded in the General B.A. Examn., where sufficient merit is shown (*see* p. 12).

There is an Honours School of Music in which B.Mus. (Hons.) can be obtained. Candidates must have satisfied the conditions for entry upon a degree course, have obtained the General Certificate of Education (in which Music has been passed as an Advanced Subject), must satisfy the Prof. of Music that they have an adequate power of performance on some musical instrument and sufficient facility in harmony and counterpoint to satisfy requirements of the course.

In the B.Com. courses one-third of the student's time may, if he chooses, be devoted to work in App. Sci. There is a 4 yrs.' B.Com. course for students

entering at Inter. B.Sc. standard, the first 2 yrs. in the Fac. of Science and the remaining 2 yrs. in the Fac. of Commerce.

B.Sc. Honours in Pure Science (3 yrs.) may be taken in all subjects in the Faculty. There are Honour Schools in Maths., Mathematical Physics, Physics, Chem., Zool., Bot., Genetics, Bact., Geol., Geog., Anatomical Studies, Physiological Studies, Medical Biochemical Studies. In Applied Science the B.Sc. courses (Pass and Honours) in Engin. (Mech., Civil, Elect. and Chemical), in Mining and in Metall. and the Hons. Course in Appl. Biochem. cover 4 yrs. Those in Mining involve practical work underground.

Subject to certain provisos, graduates of Oxford who have obtained the Oxford Diploma in Scientific Engin. and Mining Subjects are eligible for the B.Sc. degree in Engin., Mining or Metall., and graduates of Oxford with Hons. in the Final Honour School of Nat. Sci. (Eng. Sci.) or of Cambridge with 1st or 2nd class in Mech. Sci. Trip. are eligible for the B.Sc. degree in Mining after 2 yrs.' study at Birmingham; suitable Engin. graduates of other approved Univs. are also eligible for the degree under similar conditions.

Med. students may spend their 1st yr. at any school or schools of Med. recognized by the Univ., and the Senate may recognize examns. passed therein as exempting from the 1st Med. examn. They may obtain the B.Sc. as well as their Med. degrees by devoting 7 yrs. instead of 6 to study in the Univ.

The M.A., M.Com., M.Soc.Sc., M.Sc. and M.Mus. involve at least 1 yr. of study after completing the course for the Bachelor's degree.

The M.A. may be taken in Educn. as well as in the ordinary Arts subjects.

The D.Mus. or LL.D. may be taken 3 yrs. (D.Litt. 5 yrs.) after the M.A., M.Mus., M.Sc. or LL.M., or 5 yrs. (D.Litt. 7 yrs.) after the corresponding Bachelor's degree; D.Sc. 4 yrs. after M.Sc., or 3 yrs. after Ph.D. whichever time is shortest: grad. of other appr. Univ. after not less than 2 yrs.' post-graduate work in this Univ. provided that at time work is submitted for degree they are at least of 5 yrs.' standing from Bachelor's degree; B.D. not less than 2 yrs. after a Bachelor's degree approved by the Fac. of Arts; D.D. 5 yrs. from date of B.D. or other second degree.

Advanced Standing. Candidates who, before admission, pass certain examns. of other approved Univs. and Examining Bodies may be permitted to take the final examn. for the B.Sc. (Hons.) at the end of their 2nd yr., and to do advanced or research work in their 3rd yr.

DIPLOMAS. Psychology of Childhood, 1 yr. for graduates and other approved persons; Public Health (Certificate and Diploma), 1 yr. for Medical Practitioners registered in the Medical Register, otherwise than by virtue of Defence Regulation 32 B, for at least 2 yrs. previously; Educational Psychology, 1 yr. postgrad., for grads. of approved Univs. who have obtained B.A. or B.Sc. Hons. in Psychol. or who have pursued approved courses in Psychol. and who have had not less than 1 yr.'s teaching experience; Commerce, 1 yr. for graduates of approved Univs. subject to approval by Faculty; Public Administration, 1 yr. for graduates (in any Faculty) of Univs. in the United Kingdom; Social Study, 1 yr. for graduates preparing for work in the Social Services; Higher Diploma in Social Study, 1 yr. after ordinary Diploma for graduates and other approved persons; Malting and Brewing, 3 yrs., graduates 1 yr.; Theology, 1 full-time or 2 part-time academic sessions for graduates of approved Univs. or suitably qualified non-graduates; Engineering Production and Management Principles, 1-yr. postgrad. course; Diploma of Graduate Studies in: (*a*) Mechanical Engineering (1 yr.); (*b*) Chemical Engineering (1 or 2 yrs.); (*c*) Metallurgy (1 yr.); Education, 1 yr. full-time or 2 yrs. pt.-time.

CERTIFICATES. Education (1-yr. postgrad. and 2-yr. non-grad. courses), Malting and Brewing (2 yrs.), Malting (2 yrs.), Industrial Nursing (1-yr. course

arranged jointly by the Birmingham Accident Hospl. and the Univ.); Social Study (2 yrs. for non-grads.); Child Service (1-yr. course to train suitably qualified persons as children's officers and their assts.); Youth Service (2-yr. course held by Inst. of Educn.); Supplementary Certificates in Divinity, Local Studies and for teachers of educationally sub-normal children.

RESEARCH. A jt. standing cttee. of Senate and Council co-ordinates res. work in all Facs., formulates policies of res., obtains funds and co-operates with Govt. agencies and external bodies. Annual Report gives general summary of each yr.'s Deptl. res., lists published work and titles of theses approved for higher degrees.

FEES. Matricn., £2. Total Inclusive Fees* payable for following Bachelor's Degrees, Diplomas and Certificates: For Bachelor's Degrees, including Intermediate or 1st-yr. Course—B.A. or B.Mus., £140: 4s.; B.D. (2 yrs.' graduate course), £58: 2s.; B.Sc. (Pure Sci.), £120-£132: 3s.; B.Sc. Appl. Sci. (Engin., Metall., Mining, Chem. Engin.), £235: 4s.; Appl. Biochem., £167: 4s.; M.B., Ch.B., £360; B.D.S., £342: 14s.; B.Com., or B.Soc.Sc., £124: 13s.; B.Soc.Sc. (Soc. Study), £109: 3s.; B.Com. for qualified Science Students, £153: 4s.; LL.B., £57: 3s. For Diplomas and Certificates—Diploma in Engin. Production and Management Principles, £81: 1s.; Diploma in Graduate Studies, £71: 1s.; Diploma in Public Health, including Certif., £68: 5s., excluding Certif., £46: 11s.; Certif. in Public Health, £26: 19s.; Certif. in Educn., 1-yr. course, £44: 1s.; Diploma in Psychol. of Childhood, £44: 1s.; Postgraduate Diploma in Educational Psychol., £56: 1s.; Diploma in Education, £36: 1s.; Diploma in Theol., £29: 1s.; Diploma in Malting and Brewing, £138: 3s.; Postgraduate Diploma in Malting and Brewing, £46: 1s.; Certif. in Malting and Brewing, £92: 2s.; Certif. in Malting, £92: 2s.; Graduate's Commerce Diploma, £35: 1s.; Diploma in Public Administration, £35: 1s.; Social Study Diploma (Separate Class Fees); Social Study Certificate, £31: 1s.; Child Service Certificate, £51: 1s. Laboratory Research Fees vary according to subjects taken.

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II.

RESIDENCE. (For Wardens *see* "Administrative and other Staff," p. 45.) For women: Univ. House, Edgbaston Pk. Rd., Birmingham, 15 (150 students), with grounds of 3½ acres; fees: 100 gs. to 115 gs. per session. For men: Chancellor's Hall, Augustus Rd., Edgbaston, Birmingham, 15 (96 students), with grounds of 7 acres; fees: from £3: 5s. to £3: 10s. per wk. during full term. Chad Hill, 125 Harborne Rd., Birmingham, 15 (32 students), mainly intended for graduate and research students; large garden; fees: from £3 to £3: 17: 6 per wk., plus small extras. The Manor House, Bristol Rd. South, Birmingham, 31 (40 Students), situated in 13 acres of grounds; fees: from £3 to £3: 10s. per wk., plus small extras.

APPOINTMENTS BOARD. (For Officers *see* "Administrative and other Staff," p. 45.) The functions of the Bd. are to provide information and advice on careers and to assist graduates of the Univ. to obtain suitable employment. The services of the Bd. are available without charge to all graduates and undergraduates of the Univ. *Postal Addresses*: (Secretary), The University, Edgbaston, Birmingham, 15; *Telephone*: Selly Oak 1181. (Asst. Sec.), The University, Edmund St., Birmingham, 3; Central 8541.

*** The Total Inclusive Fees cover membership of the Guild of Undergraduates Union, all Univ. Lecture and Laboratory fees, pupilage in Dental Mechanics, Clin. and Examn. fees.**

1953. 158 permanent appointments, including: Government and quasi-Govt. service, 24; Scientists in industry, 66; Non-Scientists in industry, 53; Teaching, 11; Miscellaneous, 4.

GUILD OF GRADUATES. The Guild is entitled to appoint one representative for every 250 of its members to serve on the Univ. Court of Governors, the present number of representatives being 28. One representative of the Guild is a member of the Univ. Council. A *News-letter* is circulated annually to all members.

UNIVERSITY OF BIRMINGHAM UNIVERSITY TRAINING CORPS (T.A.). The U.T.C. is part of the Territorial Army, and cadets may join for various periods of service which are flexible to enable them to undertake training without interfering with their Univ. degree course. The contingent comprises the following Sub-Units: Royal Engineers, Royal Corps of Signals, Infantry, Royal Electrical and Mechanical Engineers. Syllabus of training, laid down by War Office, designed to prepare cadets for selection as potential officers when called up for National Service. Further information from the Adjutant, U.T. Corps (T.A.), Edgbaston, Birmingham, 15. (*Telephone*: Selly Oak 0247.)

UNIVERSITY OF BIRMINGHAM AIR SQUADRON. The purpose of the U.A.S. is to provide facilities for the training of internal male members of the Univ. who wish to prepare themselves for commissioned service in the Royal Air Force, the Royal Navy, the R.A.F. Auxiliary and Reserve Forces, the Air Branch of the Royal Naval Volunteer Reserve, or in the Regular or Auxiliary Air Forces of the Commonwealth, and who are prepared to give time to this training. Further information from the C.O., Univ. Air Squadron, The University, Edgbaston, Birmingham, 15. (*Telephone*: Selly Oak 1181.)

UNIVERSITY HEALTH SERVICE. The purpose of this service, which is administered by a full-time Univ. Medical Officer with one full-time Asst. Medical Officer and two half-time Dental Surgeons, is to reassure students about the state of their health, to offer them opportunities for maintaining and improving it, and to help to secure early treatment for any disorders which may occur. All freshmen, excepting those eligible for exemption under the regulns., are required to attend for a routine Medical overhaul and to have a chest X-ray; the X-ray is repeated annually. The Univ. Medical Officers can accept re-registrations under the National Health Scheme from students who are away from home for more than half the yr. The consulting rooms are at the Gymnasium, Edgbaston, Birmingham, where ophthalmic treatment under the National Health Scheme is also available. Several beds are maintained for the care of minor illness at the Univ. Sanatorium, 97 Oakfield Rd., Birmingham, 29, where the Dental Surgery is also situated. Students are free to register with a practitioner in the city if they wish.

GUILD OF UNDERGRADUATES. The Guild, established under Charter of University, is the organized association of the undergraduates for furtherance of their common interests, recognized by Court, Council and Senate of University for this purpose; represented by three members on Court of Governors. Income of Guild, derived from membership fees, is applied to upkeep of the Union, Univ. Guild Club and Univ. Athletic Union. There is full, associate, external and hon. life membership.

UNION AND UNIVERSITY GUILD CLUB. All members of Guild of Undergraduates are entitled to use of the Union, which adjoins the Univ. Bldgs. at Edgbaston, and of the Guild Club at the Univ. Bldg., Edmund St.

UNIVERSITY ATHLETIC UNION. Membership of Union open to full and assoc. members of Guild of Undergraduates provided they are amateurs.

The Union includes following clubs: *For men*: Association and Rugby Football, Boxing, Rowing, Cross Country Running, Golf. *For women*: Lacrosse, Netball. *For men and women*: Athletics, Basketball, Badminton, Cricket, Hockey, Tennis, Swimming, Table Tennis, Squash Racquets, Fencing, Rifle. Extensive grounds, with Pavilion, are at the service of the Athletic Union.

VACATION COURSES. A 6 wks.' Summer School on Shakespeare and Elizabethan Lit. is held annually at Stratford-upon-Avon during July and Aug. It is concerned with the detailed study of Elizabethan and Jacobean drama and theatre with particular reference to Shakespeare, together with the historical and cultural background of the plays. The Summer School is primarily intended for graduates and other advanced students from British, American and European Univs. who have specialized in Elizabethan and Jacobean lit. Applications are also considered from undergraduates of good academic standing. The Dept. of Extra-Mural Studies also arranges a number of courses at Attingham Park and Westham House, the two residential colleges for adult educn. in the W. Midlands, and at the Univ.'s Centre for Continued Studies. An annual Summer School is also held in conjunction with the W.E.A., usually during the first 2 wks. in Aug. Seminars are arranged for the study of Art, Drama, Econ., English Lit., Govt., Hist., Indust. Relns., Internatl. Affairs, Musical Appreciation, Philos., Psychol. and Sci.

UNIVERSITY BOARD OF ADULT EDUCATION. The Bd. supervises all the extra-mural work of the Univ. Univ. Extension Courses, Tutorial, Sessional and Short Courses, and Summer Schools are held in Birmingham and at Centres throughout the W. Midlands; a number of study tours and concerts are also arranged. As a sub-cttee. of the Bd., there is a Jt. Cttee. for work with the W.E.A. Services educn. comes within the scope of the Bd.'s work and is organized through the Univ. of Birmingham Cttee. for Educn. in H.M. Forces.

UNIVERSITY STAFF CLUB (opened 1950), Westmere, Edgbaston Pk. Rd., Edgbaston, Birmingham, 15. *Telephone*: Edgbaston 0290.

BARBER INSTITUTE OF FINE ARTS, Edgbaston, Birmingham, 13. (*Telephone*: Selly Oak 0962; Music Dept.: Selly Oak 0622.) Opened in 1939, the Inst. was founded by the late Dame Martha C. H. Barber, who created a trust to promote the study of the Fine Arts and of Music in the Univ. Courses in Fine Arts are given for the cultural benefit of all students, and in some cases form pt. of work required for degrees in other depts. Concerts of chamber music are arranged by the Prof. of Music, and the Univ. Musical Soc. holds midday concerts during term. The Inst. contains several galleries and rooms for the exhibition of paintings, drawings, prints, furniture, art-objects, and tapestries; a small concert hall; and libraries and administrative offices. (For Dir. *see* p. 29.)

INSTITUTE OF CHILD HEALTH. Constituted in 1945; the activities of the Inst. are carried out (pending provision of sp. accomm.) at the Children's Hospl., certain Regional Hospls. and the City Carnegie Inst. The Inst. co-ordinates the activities of the Univ. Dept. of Pædiatrics and Child Health, the Birm. Children's Hospl., one or two Regional Hospls. in Birm., together with Birm. Maternity and Child Welfare, School Health and T.B. services. Principal functions are (*a*) Undergrad. teaching, (*b*) Liaison with Local Authority Med. Officers, (*c*) Postgrad. Training, (*d*) Pædiatric Res.

CENTRE FOR CONTINUED STUDIES, Primrose Hill, Selly Oak, Birmingham. (*Telephone*: Selly Oak 0841.) The Centre provides short residential courses at

graduate or equivalent level, usually under the supervision of a Univ. Dept. for persons engaged in professional, technical or scientific occupns. (For Warden *see* p. 45.)

SHAKESPEARE INSTITUTE, Stratford-upon-Avon, Warwickshire. (*Telephone*: Stratford-upon-Avon 3138.) The Inst. was establd. in 1951 primarily for the encouragement and promotion of advanced work in Shakespearian studies and in related subjects—the Elizabethan age, drama and theatre. *See also* p. 33.

INSTITUTE OF EDUCATION (*see also* p. 44). The Inst. exists primarily to co-ordinate the training of teachers in the W. Midlands area under the general responsibility of the Univ., and to recommend to the Ministry of Educn. for qualification those students who have satisfactorily completed their training. A Certif. in Educn. is granted to students after a 1-yr. postgrad. course. A 1-yr. full-time or 2-yrs. pt.-time course for Dipl. in Educn. has been instituted, and is open to qualified teachers with not less than 5 yrs.' approved professional experience.

The Inst. maintains a strong Research Dept., the staff of which are members of the Univ. Educn. Dept. The Res. Dept. is situated at Selly Wick House, Selly Wick Rd., Birmingham, 29, and includes a Remedial Educn. Centre. The Inst. publishes a Journal, *Educational Review*, 3 times a yr. The governing body of the Inst. is the Delegacy, which is responsible to Senate.

Constituent and Associated Colleges of the Inst. (*a*) *Constituent Colleges*: Anstey College of Physical Education, Sutton Coldfield; City of Birmingham College of Art and Crafts, Margaret St., Birmingham, 3; City of Birmingham Training College, Bristol Rd., Birmingham, 5; City of Coventry Training College, Charter Ave., Coventry; Dudley Training College, Castle View, Dudley; Hereford Training College, Hereford; City of Leicester Training College, Humberstone Dr., Leicester; Leicester Domestic Science Training College, Knighton Fields, Leicester; St. Paul's Training College, Newbold Revel, Stretton-under-Fosse, nr. Rugby; Saltley Training College, Birmingham, 8; Shenstone Training College, nr. Kidderminster; County of Stafford Training College, Nelson Hall, Stafford; Westhill Training College, Selly Oak, Birmingham, 29; City of Worcester Training College, Henwick Grove, Worcester; Dept. of Education, The University, Edmund St., Birmingham, 3. (*b*) *Associated Colleges*: Shropshire College of Domestic Science and Dairywork, Radbrook, Shrewsbury; Birmingham and Midland Institute School of Music, Paradise St., Birmingham, 1.

The Inst.'s headquarters are at Institute House, 50 Wellington Rd., Edgbaston, Birmingham, 15. (*Telephone*: Calthorpe 2332.)

INSTITUTE FOR ENGINEERING PRODUCTION, Southfield, Norfolk Rd., Edgbaston, Birmingham, 16. (*Telephone*: Edgbaston 0390.) The Inst., which is under the direction of the Prof. of Engin. Production, was opened in 1953, and provides a series of short courses of study and discussions on a residential basis for sr. production engineers and industrial managers.

PUBLICATIONS.* (A) *Official.*—Charter of Incorporation; Ordinances; Report of the proceedings of the Council of the University (a); Report of the Vice-Chancellor and Principal to the Council (a); Accounts (a); Univ. of Birm. Gazette (monthly in term); Calendar, 8s. 6d. plus 9d. postage (a); Faculty Syllabuses (a); Exam. papers (a), Fac. of Arts, Fac. of Comm., Inst. of Educn., Fac. of Law, Fac. of Med., Fac. of Sci.; Scholp. pamphlet (a);

* Abbreviations: (a)—Annual; (q)—Quarterly; (2/a)—Twice Annually.

Introduction to a University; Register of degrees (1900–35); Register of degrees (1936–47)—(o.p.); Proceedings at a congregation of the Univ. (Oct. and Dec.); Annual sermon delivered at Univ. service (a); Report of Jt. Standing Cttee. for Res. (a); Appts. Bd. report (a); Librarian's report (a); Univ. Library: Introduction and library regulations (a); Report of Dir. of Barber Inst. (a); Report of Barber Prof. of Music; Report of Bd. of Adult Educn. (a); Report of Inst. of Educn., 1947–50, from 1951 onwards (a). (B) *Periodicals and Monograph Series.*—Birm. Univ. Historical Jnl., 10s. 6d. (a); Bulletins on Soviet Econ. Development (q); Educnl. Review (a); Engl. and Germanic Studies (10s. 6d.); Fac. of Comm. Monographs and Studies in Econ. and Soc. (irregular) (15s. each); Shakespeare Survey, 12s. 6d. (a). (C) *Guild of Grads.*—Grads.' Newsletter (a); Med. Grads.' Newsletter (a); Register of Grads. up to 1950. (D) *Guild of Undergrads.*—Annual Report; Diary (a); Guild News (weekly in term); The Mermaid (2/a); Carnival Magazine (a). (E) *Student Societies.*—Birm. Univ. Chem. Engineer, 3 issues p.a. (6s. p.a.); Mining Technical Magazine (a); Queen's Med. Magazine (each term); Holdsworth Club, Presidential address (a). (F) *Histories.*—Souvenir History of the Foundation and Development of the Mason Science College and the University of Birmingham, 1880–1930, by Prof. F. W. Burstall and C. G. Burton (1930); The Medical School of the University of Birmingham, by S. Barnes (1938); The University of Birmingham, a short history by Emer. Prof. A. M. D. Hughes (1950); The University of Birmingham, its History and Significance, by E. W. Vincent and P. Hinton (1947).

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. (Financial yr. ending July 31, 1953): Rockefeller Foundation, (*a*) £28,800 over a 5-yr. period for res. in Psychiatry and in Biochem. and Phamacol. of Nervous System, (*b*) £5000 towards res. in Chem., (*c*) £3000 for Res. Fellowship in Dept. of Med. Stats. during 3-yr. period from April 1953; Nuffield Foundation, £8900 over 5-yr. period for res. in Exper. Pathol.; Edward Cadbury Trust, (*a*) £2000 over 3-yr. period for Res. Fellowship in Archaeol., (*b*) £1000 for 2 or possibly 3 yrs. for Fellowship in Religious Educn.; Sir Edward Wilshaw, £1370 over 7-yr. period for Fellowship; Nuffield Provincial Hospitals Trust, £1500 for Chair of Soc. Med.; Cow and Gate Ltd., £1000 for Scholps.

NEW BUILDING DEVELOPMENTS. Stage I of Mech. and Electr. Engin. Labs. finally completed, stage II nearly completed and part of premises occupied; Central Boiler House and Workshops brought into use; work on site for extension of Dept. of Chem. Engin. commenced; part of bldg. planned in assocn. with Bd. of Governors of Teaching Hospital, for clin. res. and teaching, completed on Queen Elizabeth Hosp. site and occupied; Mason Croft, Stratford-upon-Avon, in which Shakespeare Inst. is housed, purchased by Univ.; Residential Centre of Inst. for Engin. Production, Norfolk Rd., Edgbaston officially opened.

NEW DEPARTMENTS AND POSTS. Readerships in Systematic Bacteriol., Dent. Surg., Plant Biochem. and Soc. Med.

PRINCIPAL CHANGES IN REGULATIONS. Increase in tuition fees for higher degrees, the Med. course and B.Sc. Pure Sci. course, other than Chem. and Anat. and Physiol.; Degree of B.Soc.Sc. established and changes made in regns. under which B.Com. may be studied (*see under* " Degrees ", page 46); one yr. supplementary course for Teachers of educationally sub-normal children established (commenced in Jan. 1954). Regns. for B.Sc. with Hons.

in Mining for Oxford and Camb. grads. extended to include suitable grads. in Engin. of other approved Univs.

EXTRA-MURAL WORK. The general programme consisted of 385 courses on Arts subjects and 64 on Sci. The seventh 6 wks.' Summer Sch. on Shakespeare and Elizabethan Lit. held at Stratford-upon-Avon. Other vac. courses included archæological trg. and excavations at Uriconium, a Music Summer Sch., and study tours to Italy. An Archæological Survey of the W. Midlands, undertaken in assocn. with the Dept. of Archæol., contd. Series of concerts organized in various centres in collab. with Arts Council. Residential courses contd. to be held at Attingham Park, Westham House and at Univ. Centre for Continued Studies.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. H. M. Fox, Lond., "Respiratory Pigments"; A. Roger, Lond., "Occupational Psychology"; Prof. E. N. da C. Andrade, Royal Instn., Lond., "Plasticity of Metals"; Dr. J. Friedel, École des Mines, Paris, "Electronic Structure of Metals"; Prof. H. W. Swift, Sheff., "The Deep Drawing of Metals"; Prof. H. S. Commager, Col., "History of the American West"; Prof. A. C. Craven, Chic., "History of the American West"; Prof. W. L. Dunham, Yale, "The American Constitution"; Prof. O. O. Winther, Indiana, "History of the American West"; Prof. V. Dupont, Toulouse, (*a*) "Robert Frost", (*b*) "Imagery in Measure for Measure," (*c*) "George Eliot," (*d*) "Sterne's Immorality"; Prof. W. Schirmer, Bonn, (*a*) "Schlegel's Shakespeare Criticism," (*b*) * "Mary Pembroke and the Classicist Opposition to Shakespeare," (*c*) "Lydgate and the Beginnings of Dramatic Literature"; Prof. F. Bowers, Virginia, * "The Contribution of Bibliography to the Study of Shakespeare's Text"; Prof. J. E. Neale, Univ. Coll., London, * "The Institute of Historical Research"; Monsieur Escarpit, Bordeaux, (*a*) "Madame de Stael et l'Angleterre," (*b*) "Le Roman picaresque"; Monsieur Picard, Paris, "Le Roman français au 20e siècle" (4 lectures); Prof. R. Samuel, Melb., "Napoleon and Germany"; Prof. E. Lunding, Aarhus, Denmark, "Lessing und Kierkegaard"; Dr. N. A. Nilsson, Stockholm, "Gogol, Balzac and Dickens"; Dr. K. Wörner, Heidel., "Contemporary German Music"; Dr. E. T. Engle, Col., "Aspects of Fertility"; Dr. C. H. Lea, Camb., "Some Recent Advances in Chemistry of Deterioration in Stored Lipids"; Dr. B. Hastings, Harv., "Carbohydrate Metabolism in Liver"; Dr. R. E. Davies, Sheff., "The Mechanism of Secretion of Hydrogen and other Ions"; Prof. L. Remouchamps, Ghent, "Methods of Investigation of the Extra-hepatic Bile Ducts"; Dr. G. W. Corner, Carnegie Instn. of Wash., (*a*) "Benjamin Franklin consults the doctors," (*b*) "The Embryology of twins and other Multiple Births"; Prof. H. R. Dew, Syd., "Hydatid Disease of Liver and its Complications"; Prof. D. W. Richards Jr., Col., "Cor Pulmonale"; Prof. S. Bradley, Col., "Contribution of the Visceral Circulation in Circulatory Adjustments"; Prof. G. Lennon, Brist., "Students—Past, Present and Future"; Prof. A. Brown, Univ. Coll., Ibadan, "Medicine in the Tropics"; Prof. A. J. S. McFadzean, Hong Kong, "Hepatic Circulation in Relation to Ascites"; Dr. V. Barry, Dub., "Studies in the Chemotherapy of Tuberculosis"; Prof. A. Robertson, Liv., "Usnic Acid and its Derivatives"; Prof. W. C. Garner, Brist., "Changes occurring in the Surfaces of Solids during Chemical Reactions."

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. J. Sayers, Nott., "The Cavity Magnetron and Radar"; Prof. H. W. Melville, (*a*) Hull, "Recent Progress in the Mechanism of the Synthesis of High Polymers," (*b*) Cardiff, "Some Recent Developments in Investigations of Radical Reactions,"

* Lectures given at the Shakespeare Institute, Stratford-upon-Avon.

(*c*) St. And., " Some Recent Progress in the Synthesis of New Types of High Polymer Molecules," (*d*) Royal Instn., " New Kinds of Macromolecules," (*e*) Leeds, " The Non-steady State in Chemical Kinetics," (*f*) Birkbeck Coll., " New Kinds of Macromolecules," (*g*) Royal Tech. Coll., Salford, " Block Copolymers " ; W. D. Seymour, Technische Hochschule, Zür., " Industrial Operator Training " ; Prof. T. U. Matthew, Glas., " Work Study and Productivity " ; D. A. Bell, Edin., (*a*) " Communication Theory " (4 lectures), (*b*) " Noise in Electric Circuits " (4 lectures) ; Prof. R. H. Hopkins, Aberd., " Recent Developments in the Biochemistry of Starch and the Amylases " ; Prof. A. H. Cottrell, Louvain, " The Yield Strength of Metals (3 lectures) ; Prof. G. V. Raynor, Leeds, " Intermetallic Compounds " ; Prof. J. A. Hawgood, (*a*) Chic., " The British Cabinet System," (*b*) Iowa, " British and American Elections Compared," (*c*) Wis. (i) " The Problem of Germany Today," (ii) " The Fourth British Empire in Africa," (*d*) Calif., " Europe Looks at America, 1952 " (3 lectures), (*e*) New Mexico, " Political Parties and Personalities in Britain," (*f*) Kentucky, " Immigration into the Ante-Bellum South," (*g*) Maryland and Mich., " The Problem of Germany Today " ; Prof. F. Mackenzie, Montpellier, (i) " *Les Illusions perdues* of Balzac " (3 lectures), (ii) " Sir Walter Scott et la France " (3 lectures), (iii) " Le Roman historique en France " (3 lectures), (iv) " Un Début dans la vie de Balzac " (3 lectures), (v) " Shakespeare et le théâtre d'Alfred de Musset " (3 lectures), (vi) " Robert Louis Stevenson et la France " ; W. B. Lockwood, Aarhus, Denmark, " Faroese Language " ; Prof. R. Pascal, (*a*) Vienna, " Sturm und Drang," (*b*) Graz, (i) " Sturm und Drang," (ii) " The English and the German Novel," (*c*) Innsbruck, Austria, (i) " Philosophy of Sturm und Drang," (ii) " Aesthetic of Sturm und Drang," (iii) " The German Novel " ; Prof. V. J. A. Kiparsky, Paris, (i) " Les Pays nordiques dans la littérature russe," (ii) " Les Variations de l'accent en russe moderne " ; Prof. E. K. Waterhouse, (*a*) Courtauld Inst., (i) " Milanese Renaissance," (ii) " Dutch Painters of the Italian Scene," (*b*) Brist., " The Portrait in the Sixteenth Century," (*c*) Slade School, Lond., " Gainsborough " (2 lectures) ; K. J. Garlick, (*a*) Courtauld Inst., (i) " Romney and Raeburn," (ii) " Lawrence," (*b*) Sheff., " Dutch and Flemish Painting in the 17th Century " ; Prof. E. A. Peel, (*a*) Stockholm, " Modern Theories of Learning," " Selection for Secondary Education in England," " Construction of Interest Tests " (4 lectures), (*b*) Uppsala, (i) " Modern Theories of Learning,' (ii) " Selection for Secondary Education " (2 lectures), (iii) " Lectures in a Symposium on Factor Analysis," (*c*) Durh., " Interest Tests," (*d*) Lond., " Technical Education " ; Miss N. R. Ewing, Brussels, " La Formation des professeurs de l'enseignement secondaire en Angleterre " ; Dr. Mia L. K. Pringle, Aberystwyth, (i) " Observation of Children," (ii) " Remedial Work " ; P. C. McIntosh, Oxon., " The Physical Development and Physical Education of Children " ; Prof. S. Zuckerman, (*a*) Stras., " Cellular Components of the Ovary," (*b*) Lond., " New Humours for Old " ; Prof. A. C. Frazer, (*a*) Camb., " Coeliac Disease, with Special Reference to the Action of Wheat," (*b*) Glas., " The Causes and Effects of Defective Intestinal Absorption," (*c*) Oxon., " Some Causes and Effects of Defective Intestinal Absorption," (*d*) King's Coll. Hosp., Lond., " The Clinical Aspects of Fat Metabolism," (*e*) Lond., " Disordered Function of the Small Intestine " ; Dr. M. A. Chance, Oxon., " Social Behaviour and Primate Evolution " ; Prof. P. Sargant Florence, (*a*) New Mexico, " Economics of Location " (20 lectures), (*b*) Mich., " British Industrial Organization and Management," (*c*) Corn., " British Industrial Organisation and Management," (*d*) Chic., " British Planning Objectives and Machinery " ; Mrs. Barbara E. Shenfield, Adelphi Coll., N.Y., " The Cost of Health " (Problems of the Brit. Nat. Health Service) ; Prof. G. Walker, Harv.,

" British Economic Planning " (35 lectures) ; Dr. E. J. Bourne, (*a*) Stockholm, " Infra-Red Spectra of Carbohydrates," (*b*) Lond., " Biological Synthesis of Starch " ; Dr. R. Belcher, (*a*) Madrid, " Advances in Quantitative Inorganic Analysis," (*b*) Vienna, " The Analysis of Organic Compounds containing Fluorine," (*c*) Graz, " The Analysis of Organic Compounds containing Fluorine " ; Prof. M. Stacey, (*a*) Stockholm, " Bacterial Cellulose," (*b*) Oslo, " Fluorine Chemistry."

RETIREMENT. Dr. H. F. Humphreys (Vice-Chancellor and Principal).

RESIGNATIONS. Dr. A. B. L. Beznak (Physiol.), apptd. to Chair of Physiol., Ott. U. ; Dr. D. J. Enright (Dept. of Extra-Mural Studies), apptd. to Chair of Engl., Konan U., Japan ; F. R. N. Nabarro (Phys.), apptd. to Chair of Phys., Rand U. ; Dr. W. St. C. Symmers (Pathol.), apptd. to Chair of Pathol., Charing Cross Hosp. Med. Sch. ; F. Ashton (Anat.) ; C. L. Brady (Dent.) ; K. G. Brooks (Extra-Mural Dept.) ; K. A. Dalton (Anat.) ; K. D. M. Dauncey (Anc. Hist. and Archæol.) ; Dr. T. Ko (Met.) ; G. A. Lammie (Dent.) ; M. D. Lord (Anat.) ; E. A. Lunzer (Educn.) ; Dr. D. G. Marshall (Phys.) ; Dr. P. B. Marshall (Pharmacol.) ; T. H. McGuffie (Inst. of Educn.) ; J. N. Ormerod (Anat.) ; H. W. Paxton (Met.) ; Dr. B. A. Pethica (Pharmacol.) ; K. G. Reinits (Anat.) ; Dr. J. M. Rushforth (Maths.) ; R. T. Smith (Dent.) ; J. L. Stafford (Pathol.) ; J. H. O. Varley (Met.) ; Dr. Madeline C. Walters (Phys.) ; Miss M. Weeks (Anat.) ; C. White (Physiol.) ; B. L. D. Coghlan (German), apptd. Lectr. at Adel. U. ; J. F. N. Hodgkinson (Asst. Registrar), apptd. Registrar at U.C. of N. Staffs.

DEATHS. Dr. E. W. Barnes (former Lord Bishop of Birm. and member of Univ. Council for 28 yrs.) ; Prof. D. Hanson (Feeney Prof. of Metall. and Dir. of Combined Depts. of Metall.) ; Dr. J. Masterson (Archbishop of Birm. and *ex officio* member of Court of Governors) ; Dr. Helen Wood (Clin. Lectr. in Anæsthetics).

HONORARY DEGREES. *LL.D.*—Rt. Hon. Sir Raymond Evershed, Master of the Rolls ; Rt. Hon. Sir Norman Birkett, Lord Justice of Appeal ; Sir Raymond Priestley, formerly Vice-Chancellor of Univ. of Birm. ; Rt. Rev. E. W. Barnes, formerly Lord Bishop of Birm. and member of Univ. Council (conferred in absentia). *D.Litt.*—M. N. Tod, Hon. Fellow of Oriel and St. John's Colls.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	2416	136
Women	660	370
Total	3076	506

Postgraduate students, 586 (559 full-time ; 27 part-time).

New (full-time) admissions, 883.

Students (full-time) from other countries, 258. (Countries from which largest numbers came : Iran, 32 ; U.S.A. 25 ; Norway, 16 ; Egypt, 9 ; Iraq, 9 ; Greece, 7.)

DEGREES AWARDED. B.A., 150 ; B.Mus., 6 ; M.A., 29 ; B.Com., 47 ; M.Com., 2 ; B.D.S., 10 ; LL.B., 13 ; LL.M., 1 ; M.B., Ch.B., 89 ; M.D., 5 ; Ch.M., 1 ; B.Sc., 308 ; M.Sc., 16 ; D.Sc., 5 ; Ph.D. (all Facs.), 86.

DIPLOMAS AWARDED. Brewing, 2 ; Dent. Surg., 33 ; Grad. Studies, 27 ; Malting and Brewing, 7 ; Psychol. of Childhood, 9 ; Soc. Study, 1.

CERTIFICATES AWARDED. Child Service, 13 ; Indust. Nursing, 24 ; Soc. Study, 3 ; Educn. (Postgrad.), 120 ; Div. (Supplementary), 1 ; Local Studies (Supplementary), 3.

[*Information compiled as at 4/6/54; Staff list revised on 25/9/24.*]

UNIVERSITY OF BRISTOL*

Founded 1909; previously established as University College, Bristol, 1876

Postal Address: Bristol, 8, England.
Telephone: Bristol 24161.

VISITOR—H.M. THE QUEEN.

CHANCELLOR—The Rt. Hon. Sir WINSTON CHURCHILL, K.G., O.M., C.H., LL.D. Belf., Brist., Harv., McG., Brussels, Louvain, Miami, Westminster Coll., Col., Aberd., Ley., St. And., Liv., D.C.L. Oxon. and Rochester, D.Phil. and Hist. Oslo, Litt.D. Camb., D.Lit. Lond., D.Phil. Copenhagen, F.R.S., M.P. (*ex officio* President of Court, Council and Convocation).

PRO-CHANCELLORS—The Rt. Hon. LORD DULVERTON OF BATSFORD, O.B.E., M.A. Oxon., J.P.; Sir ARTHUR HOBHOUSE, M.A. Camb., J.P.; Sir ROBERT J. SINCLAIR, K.C.B., K.B.E., M.A. Oxon.

VICE-CHANCELLOR—Sir PHILIP MORRIS, C.B.E., M.A. Oxon., LL.D. Brist. and Rhodes.

PRO-VICE-CHANCELLOR—M. M. LEWIS, M.A., LL.B. Camb.

CHAIRMAN OF COUNCIL—Sir REGINALD VERDON SMITH, B.C.L., M.A. Oxon., J.P.

TREASURER—H. G. TANNER, J.P.

LIBRARIAN—J. S. COX, M.A. Oxon.

REGISTRAR AND SECRETARY—H. C. BUTTERFIELD, M.A. (Com.) Manc.

BURSAR—C. M. SINGER, B.A. Oxon., J.P.

FINANCE OFFICER—D. C. A. SMITH, M.A.

TEACHING STAFF

Agricultural Economics, v. Economics

Anatomy

Yoffey, J. M., M.D., D.Sc. Manc., F.R.C.S. Prof.

Lecturers

Field, E. J., M.D., M.S. Durh., Ph.D.
Metcalf, W. K., M.B., B.S. Durh.
Hudson, G., B.Sc., M.B., Ch.B. Manc.
Ancill, R. J, M.B., Ch.B. Res. Fellow.

Demonstrators

Ensell, F. J., M.B., Ch.B. Birm.
Harris, P. F., M.B., Ch.B. Birm.
Harris, R. S., M.B., Ch.B. Birm.
Byrne, Jean, B.Sc. N.U.I. Res. Asst.
Keohane, K. W., B.Sc. Res. Asst.

* Member of the Association of Universities of the British Commonwealth.

Aramaic, v. Oriental Languages

Botany, v. also Assoc. Instns., p. 71

Skene, M., D.Sc. Aberd. Melville Wills Prof.
Hawker, Lilian E., D.Sc., Ph.D. Lond. (Mycol.) Reader.
Yemm, E. W., B.A., D.Phil. Oxon. Reader.

Lecturers

Fraymouth, Joan, M.Sc. Lond.
Hope-Simpson, J. F., M.A., D.Phil. Oxon.
Folkes, B. F., B.Sc., Ph.D.
Willis, A. J., B.Sc., Ph.D.
Auden, Jane, B.Sc. Demr.
Harrison, R. W., B.Sc. Demr.
Pring, Margaret E., B.Sc. Demr.
1 Recogd. teacher in Gardening.

Chemistry, Organic, v. also Assoc. Instns., p. 71

Baker, W., M.A. Oxon., D.Sc. Manc., F.R.S. A. C. Pass Prof.
Malkin, T., D.Sc. Lond., Ph.D. Manc. Reader.
McOmie, J. F. W., M.A., D.Phil. Oxon. Lectr.
Ollis, W. D., B.Sc., Ph.D. Lectr.
Hough, L., M.Sc., Ph.D. Manc. Lectr.
Battersby, A. R., M.Sc. Manc., Ph.D. St. And. Lectr.

Chemistry, Phys. and Inorg.

Everett, D. H., M.B.E., M.A., D.Phil. Oxon., B.Sc. R'dg. Leverhulme Prof.
Pollard, F. H., B.Sc., Ph.D. (Inorg. C.) Reader.
Dunning, W. J., B.Sc., Ph.D. Liv. (Phys. C.) Reader.
Maxted, E. B., D.Sc. Lond., Ph.D. Berl. (Catalysis) Sp. Lectr.

Lecturers

Dunning, Mrs. Kathleen W., B.Sc. Lond., Ph.D.
Seymour, R. C., B.Sc.
Couper, A., B.Sc., Ph.D.
Stone, F. S., B.Sc., Ph.D.
Woodward, P., B.Sc., Ph.D.
Hush, N. S., M.Sc. Syd. (Inorg. C.).
Parsons, R., B.Sc., Ph.D. Lond.
Cruickshank, A. J. B., B.Sc. Melb., M.Sc. Syd.

Classics

Beare, W., M.A. Dub. (Lat.) Prof.
Kitto, H. D. F., B.A. Camb. (Gk.) H. O. Wills Prof.
Eichholz, D. E., M.A. Camb. Sr. Lectr.
Cook, J. M., M.A. Camb. (Class. Archaeol.) Lectr.
Gulley, N., M.A. Oxon. Lectr.
Maclaren, K., B.A. Camb. Lectr.
Tester, S. J., B.A. Lond. Lectr.
Warmington, B. H., M.A. Camb. (Anc. Hist.) Lectr.
Campbell, D. A., B.A. Oxon., M.A. Glas. Asst. Lectr.

Dentistry, v. *infra*

Domestic Science, v. also Assoc. Instns., p. 71

Taylor, M. Burella, M.A. Camb. Lectr.
Byett, Jessica D., B.Sc. Lond. Tutor.

Drama

Kitto H. D. F., B.A. Camb. Hd. of Dept. and H. O. Wills Prof. of Greek.
Wickham, G. W. G., M.A., D.Phil. Oxon. Lectr.
Rowell, G. R., M.A., B.Litt. Oxon. Lectr.
Brandt, G. W., B.A. Lond., M.A. Manit. Asst. Lectr.

Economics

Dickinson, H. D., M.A. Camb. Prof.
Tress, R. C., B.Sc. (Econ.) Lond. (Pol. Econ.) Prof.

Lecturers

Magee, B. J. T., B.Com. Lond. (Accty.).

Fleming, J. M., B.Com.Sc. Belf.
Milne, R. S., M.A. Oxon. (Govt.).
Giles, B. D., M.A. Oxon.
Mackenzie, H. C. H., M.A. St. And.
Brooman, F. S., M.A. Oxon.
Sampson, R. V., M.A., D.Phil. Oxon.

Research Fellows

Liepmann, Kate, Ph.D. Lond.
Bracey, H. E., M.Sc., Ph.D. Lond. (Social Studies).
Spencer, J. C., M.A. Oxon., Ph.D. Lond. (Social Studies).

Assistant Lecturers

Cornwell, S. V. P., M.A. Oxon. (Accy.).
Robertson, N., M.A., B.Sc. Aberd.

Economics (*Agricultural Economics*)

Bristol I Province

Dawe, C. V., O.B.E., M.Com. Leeds, Ph.D. Reader.
Jeffery, R. R., B.Sc. (Agric.), B.Sc. (Econ.) Lond. Lectr.
Wragg, S. R., M.A. Lectr.

Research Assistants

Cowie, W. J. G., M.A. Aberd.
Fekete, E. B., LL.D. Bud.
Giles, A. K., B.Sc. (Econ.) Belf.
Godsell, T. E., B.Sc. Wales, M.S. Iowa
Harwood, C. W., B.A.
Hewett, L. J., B.A.
Heyworth, D. H., B.Sc. (Econ.) Lond.
Lees, S. B., B.Sc. (Agric.) Lond.
McLaren, D., Dip. Pol. and Ec. Sc. Oxon.
Mitchell, G. F. C., B.Sc. (Econ.) Lond.
Radford, M. A., B.Sc. Wales.

Bristol II Province—
Newton Abbot

Morris, S. T., M.Sc. Wales Sr. Lectr.
Beynon, V. H., B.Sc. (Agric. Econ.) Wales Lectr.
Luxton, H. W. B., B.Sc. (Agric.) Lond., Dip. Agric. Econ. Oxon. Lectr.

Research Assistants

Balogh, D. G., Sc.P.D. Szeged.
Cole, Helen M., B.Sc. (Econ.) Lond.
Davies, E. T., B.Sc. (Agric.) Wales.
Davies, G. D. D., B.Sc. (Agric. Econ.) Wales.
Dunford, W. J., B.Sc. (Econ.) Lond.
Gill, A. H., B.Sc. (Econ.) Lond.
Langley, J. A., M.Sc. (Agric.) Lond.
Strong, W. M., B.A. Camb.
Tyers, K. G., B.Sc. (Agric.) R'dg.

Education

Fletcher, B. A., M.A., B.Sc. Lond. Prof.
Wilson, R. C., M.A. Oxon. Prof.

Senior Lecturers

Humphreys, D. W., M.A. Lond.
Pye, Margaret W., B.A., Ph.D. Lond.
Morgan, Gladys M., M.A. Oxon. Sp. Lectr.

Lecturers

Jarman, T. L., M.A., B.Litt. Oxon., A.M. Harv.
Pym, Mrs. Dora O., M.A. Camb.
Sutherland, J. K., B.Sc. (Econ.) Lond.
Hickman, Mrs. Gladys M., M.A., Ph.D. Lond.
James, W. S., M.Sc. Lond.
Vinnicombe, Ellen J., M.A. Camb., B.Sc. Lond.
Michael, I., B.A. Lond.
Brennan, Sheila B., M.A. Oxon.

Engineering, v. *infra*

English

Knights, L. C., M.A., Ph.D. Camb. Winterstoke Prof.
Tucker, Susie I., M.A. Oxon. Sr. Lectr.

Lecturers
Goldsmith, Mrs. Margaret E., B.A. Lond.
Cottle, A. B., M.A. Wales.
Gifford, C. H., M.A. Oxon.
Reynolds, A. B., B.A.
Cross, J., M.A.
Browne-Wilkinson, Virginia, B.A. Oxon.
Joseph, B. L., M.A., D.Phil. Oxon.
Preston, J., B.A. Oxon.

Asst. Lecturers
Bishop, I. B., B.Litt., M.A. Oxon.
Tomlinson, P. P., B.A. Camb.

French
Stewart, W. M., M.A. Dub. Prof.
Warne, F. J., B.A. Lond. Sr. Lectr.
Gould, S. C., B.Litt., D.Phil. Oxon., B.A. Sr. Lectr.
Stéphan, E. M., M.A. Sp. Lectr.
Folkierski, W., Ph.D. Cracow Lecturers [Sp. Lectr.
Mason, Mrs. Germaine M. S., L. ès L. Algiers, M.A.
Morrison, Mary G., M.A. Aberd., Ph.D. Camb.
Mellor, G., M.A. Manc.
Taylor, S. W., B.A.
Priddin, Deirdre, M.A. Lond. Jr. Fellow.
Blondel, Madeleine, L. ès L. Bordeaux Lectrice.
Rambaud, M. A. M., L. ès L. Poitiers Lecteur.

Geography
Jervis, W. W., D.Sc. Durh. Prof.
Walker, F., M.A. Liv. Sr. Lectr.
Kendall, O. D., M.A. Camb. Sp. Lectr.

Lecturers
Hannell, F. G., B.Sc., Ph.D.
Graves, A. M., B.Sc.
Birch, J. W., B.A. R'dg.
Frey, A. E., B.A. Asst. Lectr.
1 Demr.

Geology
Whittard, W. F., D.Sc. Lond., Ph.D. Lond. and Camb. C. Wills Prof.
Phillips, F. C., M.A., Ph.D. Camb. (Petrol.) Reader.
Wallis, F. S., D.Sc., Ph.D. (Sedimentary Petrol.) Sp. Lectr.

Lecturers
Loupekine, I. S., B.Sc., Ph.D.
Simpson, S., M.A. Camb., Dr. rer. nat. Fran.
Donovan, D. T., B.Sc., Ph.D.
Ford, I. H., B.Sc.
Cowie, J. W., B.Sc.
Savage, R. J. G., B.Sc. Belf, Ph.D. Lond.

German
Closs, A. M., M.A., D.Phil. Graz Prof.
Morgan, Mrs. Estelle, M.A., Ph.D. Edin. Lectr.
Goodbody, Margaret, M.A. Lectr.
Radcliffe, S., B.A. Liv. Lectr.
Koselleck, R. F. R., D.Phil. Lektor.
2 Sp. Assts.

Hebrew
Frost, Rev. S. B., M.Th. Lond., Ph.D. Marburg Sp. Lectr.

History
Douglas, D., M.A. Oxon., F.B.A. Prof.
MacInnes, C. M., M.A. Oxon., LL.D. Dal. (Imperial H.) Dean Fac. of Arts Prof.
Jones, F. C., Ph.D. Harv., M.A. Reader.
Butcher, Emily E., M.A. Sr. Lectr.

Lecturers
Sharp, Mrs. Margaret, M.A., Ph.D. Manc. (Med. H.).
Evans, E. W., C.M.G., B.A. Oxon. (Colonial H.).
McGrath, P. V., M.A. Lond.
Ross, C. D., M.A., D.Phil. Oxon.
Sherborne, J. W., M.A. Oxon.
Marshall, P. D., B.A. Oxon. Asst. Lectr.

Horticultural Science

Bond, T. E. T., D.Sc. R'dg., Ph.D. Camb. Sr. Lectr.
Challenger, S., B.Sc. (Hort.) R'dg., N.D.H. Lectr.

Law

Lewis, M. M., M.A., LL.B. Camb. Prof.
Coutts, J. A., M.A., LL.B. Camb. (Jurisprud.) Dean, Fac. of Law, Prof.
Forrest, G. A., M.A. Oxon. Sr. Lectr.
Bain, K. H., LL.B. Lond. Sp. Lectr.

Lecturers

Grodecki, J. K., B.A. Oxon.
Pitt, F. W. C., LL.B.
Barton, M. F., LL.B.

Mathematics, Applied

Howarth, L., M.A., Ph.D. Camb., F.R.S. Prof.
Stewartson, K., M.A. Camb., Ph.D. Reader.
Chester, W., M.Sc., Ph.D. Manc. Lectr.
Manwell, A. R., B.Sc. Lond. Res. Fellow.

Mathematics, Pure

Heilbronn, H. A., M.A. Camb., Ph.D. Gött., F.R.S. Dean Fac. of Sci., H. O. Wills Prof.
Vint, J., M.A. Belf. Sr. Lectr.

Lecturers

Davis, C. S., M.Sc., Ph.D. Syd.
Shepherdson, J. C., B.A. Camb.
Thurston, H. A., M.A., Ph.D. Camb.
Reifenberg, E. R., M.A. Camb.
Griffiths, H. B., M.Sc., Ph.D. Manc.

Mathematics, Theoretical Mechanics, v. Engineering, *infra*

Medicine, v. *infra*

Metallurgy, v. Engineering, *infra*

Music

Stanton, W. K., M.A., D.Mus. Oxon. Stanley Hugh Badock Prof.
Byard, H., M.A. Lectr.
Mobbs, K. W., M.A., Mus.B. Camb. Lectr.

Oriental Languages

O'Leary, Rev. de L., M.A., D.D. Dub. (Aramaic and Syriac) Sp. Lectr.

Philosophy

Körner, S., jur. Dr. Prague, Ph.D. Camb., M.A. Prof.
Carré, M. H., M.A. Oxon. Reader.
Macleod, J. Winifred, M.A. Glas., B.Litt. Oxon. Sp. Lectr.
Kirkham, R. M., M.A. Oxon. Asst. Lectr.

Physical Education

Williams, A. I. J., B.A. Oxon. (Men) Lectr. and Instr.
Turner, Daphne G. (Women) Lectr. and Instr.

Physics, v. also Chem., Physical

Powell, C. F., M.A., Ph.D. Camb., Sc.D. Dub. and Bordeaux, F.R.S. Melville Wills Prof.
Pryce, M. H. L., M.A. Oxon. and Camb., F.R.S. H. O. Wills Prof.
Frank, F. C., O.B.E., B.A., B.Sc., D.Phil. Oxon., F.R.S. Prof.
Mitchell, J. W., M.Sc. N.Z., D.Phil. Oxon. (Exper. P.) Reader.
Polder, D., Ph.D. Ley. Reader.
Thompson, N., B.Sc., Ph.D. Sheff. Sr. Lectr.
Jackson, L. C., M.Sc. Lond., Ph.D. Ley. H. H. Wills Res. Fellow and Lectr.
Burch, C. R., B.A. Camb., Ph.D. Lond., F.R.S. Warren Res. Fellow.

Lecturers
Potter, H. H., Ph.D. Lond., B.Sc.
Gibbs, D. F., B.Sc. Lond.
Kay, H. F., M.Sc., Ph.D. Manc.
Mendoza, E. B., M.A., Ph.D. Camb.
Fowler, P. H., B.Sc.
Nye, J. F., M.A., Ph.D. Camb.
Keith, H. D., B.Sc. Belf., Ph.D.
Devonshire, A. F., M.A., Ph.D. Lectr. and G. A. Wills Res. Assoc.

G. A. Wills Research Associates
Bates, W. J., B.Sc., Ph.D.
Perkins, D. H., B.Sc., Ph.D. Lond.
Davies, J. H., B.Sc. Wales

Research Assistants
Heitler, H., Ph.D.
Hingley, Margaret, B.Sc.
Littleton, Marjorie J., B.A. Camb.
1 Recognized Teacher.

Physiology
Brocklehurst, R. J., M.A., D.M., B.Ch. Oxon. Prof.
Wiltshire, Marion O. P., D.Sc. Sr. Lectr.
Ashford, C. A., M.A., Ph.D. Camb. (Chemical P.) Sr. Lectr.

Lecturers
Rogers, A. F., M.D., Ch.B.
Cole, Anne S., B.Sc., Ph.D. Lond.
Grayson, J., M.Sc., M.D., Ch.B. Manc.
Sosnowick, H., M.Sc., M.B., Ch.B. Manc.
Barbour, R. F., M.A. Camb., M.B, Ch.B. Edin., D.P.M., F.R.C.P. (Psychol.).
Bach, S. J., Ph.D. Camb. (Chemical P.).
1 Recognized Teacher.

Psychology
Drew, G. C., M.A. Prof.

Lecturers
Bowyer, Laura R., M.A., Ed.B. Glas., B.Sc. (Econ.) Lond.
Hall, K. R. L., M.A., D.Phil. Oxon.
George, F. H., B.A. Camb., Ph.D.
Day, R. H., B.Sc. W. Aust., Ph.D. Res. Fellow.
Earle, A. E., B.A. Camb. Res. Assoc.

Religious Knowledge
3 Recognized Teachers.
For teachers for the B.A. in Theol. subjects, v. *infra* Assoc. Instns., p. 71

Social Studies
Shaw, Lulie A. E., M.A. Oxon. Lectr.
2 Recognized Teachers.

Syriac, v. Oriental Languages

Zoology
Harris, J. E., M.A., Ph.D. Camb. Prof.
Kitching, J. A., M.A. Camb., Ph.D. Lond. Reader.
Hinton, H. E., B.Sc. Calif., Ph.D. Camb. (Entomol.) Reader.
Jenkin, Penelope M., M.A. Camb. Sr. Lectr.

Lecturers
Sloane, J. F., B.Sc. Glas.
Bassindale, R., M.Sc. Sheff.
Crofton, H. D., B.Sc., Ph.D. Durh. (Parasitol.).
Whiting, H. P., M.A., Ph.D. Camb. (Vert.).
Mason, Peggy, B.Sc. Demr.

Dentistry

Children's Dentistry
Johnson, W. T., L.D.S. Hd. of Dept. and Lectr.
Claremont, L. E., M.D.S., F.D.S.R.C.S. (C.).*
Nicol, W. A., L.D.S. (C.).
Campbell, Dorothy M. Y., L.D.S. Liv. Tutor.

* (C.) = Clinical Teacher.

Dental Anatomy and Histology
Snawdon, J. W. E., M.B., Ch.B., M.D.S., F.D.S.R.C.S. Lectr.

Dental Jurisprudence
Wells, J., L.D.S., F.D.S.R.C.S. Lectr.

Dental Prosthetics
Chick, O. A., M.D.S., Ph.D. Hd. of Dept., Sr. Lectr.

Dental Radiology
Simmonds, N. H., L.D.S. Lectr.

Dental Surgery
Darling, A. I., M.D.S. Durh., F.D.S.R.C.S. Prof.
Crabb, H. S. M., M.D.S. Lond., F.D.S.R.C.S. (Operative) Lectr.
Rigg, S. K., L.D.S. (C.).*
Claremont, L. E., M.D.S., F.D.S.R.C.S. (D. Materia Medica) Lectr.
Connor, D. C., L.D.S. (C.).
Snawdon, J. W. E., M.B., Ch.B., M.D.S., F.D.S.R.C.S. (C.).
Tratman, E. K., O.B.E., M.D. Malaya, M.D.S., F.D.S.R.C.S. (C.).
Hogbin, F. R., L.D.S. (C.).
Bakewell, W., L.D.S. (C.).
Lyon, D. G., L.D.S., F.D.S.R.C.S. Lectr.
Noble, D. S., M.B., B.S., B.D.S. Lond. Tutor
Moore, G. E., L.D.S., F.D.S.R.C.S. Tutor.
Varley, E. W. B., F.D.S.R.C.S. Tutor.
Fisher, Audrey R., B.Sc. Res. Asst.

Engineering

Aeronautical Engineering
Collar, A. R., M.A. Camb., D.Sc. Lond., F.R.Ae.S. Dean, Fac. of Engin., Sir George White Prof.
Black, J., M.Sc. Belf., Ph.D. Lectr.
Lawson, T. V., B.Sc. Leeds Lectr.
Barwick, E. S., B.Sc. Syd. Jr. Fellow.

Chemistry and Metallurgy
Dearden, W. H., M.Sc. Manc., F.I.M., F.R.I.C. Lectr.

Civil Engineering
Pugsley, A. G., O.B.E., D.Sc. Lond., F.R.S., F.R.Ae.S. Prof.
Gibbs, E. F., M.Sc., Ph.D. Lond. Sr. Lectr.

Lecturers
Cullimore, M. S. G., B.Sc., Ph.D.
Armstrong, S., B.Sc. (Tech.) Manc.
Holmes, M., B.Sc. Leeds
Caldwell, J. B., B.Eng. Liv., Ph.D. (Naval Archit.) Res. Fellow.

Electrical Engineering
Rawcliffe, G. H., M.A. Oxon., D.Sc. Aberd. Prof.

Lecturers
Chard, F. de la C., M.Sc. Lond.
Russell, R. L., M.Sc. Leeds.
Billings, A. R., B.Sc. Lond.
Brown, J. E., B.Sc. Durh.
McDermott, B. C., B.Sc. (Tech.) Manc. Jr. Fellow.

Mechanical Engineering
Morrison, J. L. M., D.Sc. (Mech. E.) Prof.

Lecturers
Rogers, G. F. C., B.Sc.
Crossland, B., M.Sc. Lond., Ph.D.
Mayhew, Y. R., B.Sc. Lond.
Dickson, A. N., B.Sc. (Eng.) Lond.
Wood, W. G., B.Sc. Leeds Lectr.

Theoretical Mechanics
Shepherd, W. M., D.Sc. Lond. Hd. of Dept., (Elasticity) Reader.
Newing, S. T., B.Sc. Lond. Sr. Lectr.
Gaydon, F. A., M.Sc. Lond., F.R.Met.S. Lectr.
Nuttall, H., B.Sc. Lond. and Manc., Ph.D. Birm. Lectr.

* (C.) = Clinical Teacher.

Medicine

(for subjects of first 2 yrs.—Anat., etc., v. *supra*)

Anæsthetics

Woolmer, R. F., B.A., B.M., B.Ch. Oxon., F.F.A.R.C.S. Hd. of Dept., Reader.
Clutton-Brock, J., M.A., M.B., B.Chir. Camb., F.F.A.R.C.S. Lectr.
Baxter, V. T., M.B., Ch.B. (C.).*
Bradbeer, E. G., F.F.A.R.C.S.
Feneley, G. L., M.B., Ch.B., F.F.A.R.C.S. (C.).
Moore, R. H., M.B., Ch.B. (C).
Gorham, A. P., M.B., Ch.B., F.F.A.R.C.S. (C.).
Taylor, J. T. C. (C.).
Wilton, T. N. P., B.A. Camb. (C.).
Mortimer, P. L. F., M.B., B.S. Lond. (C.).
Challenger, J. H., M.B., Ch.B. (C.).
Westhead, Pamela, M.B., Ch.B. (C.).
Steen, T. R., M.A., M.B., B.Chir. Camb., D.A. (C.).
Forrest, Grace M. S., M.B., Ch.B. St. And. Tutor.
Kirkpatrick, C. R., L.D.S. Edin. Tutor.
Bennett, J. R., M.B., B.Chir. Camb., F.F.A.R.C.S. Tutor.

Bacteriology, v. Prev. Mèdicine

Child Health

Neale, A. V., M.D. Birm., D.P.H., F.R.C.P. Prof.
Apley, J., M.D., B.S. Lond. Lectr. (C.).
Corner, Beryl, M.D., Ch.B. Lond., F.R.C.P. Lectr. (C.).
Hinds, S. W., M.D., B.S. Lond., D.T.M. & H. Lectr.
Walker, Sarah C. B., M.D., B.S., D.P.H. Lond. (C.).
Smallwood, A. L., M.B., Ch.B., D.C.H. Liv., D.P.H. (C.).
Laurance, B. M., M.B., B.S. Lond., D.C.H. Tutor.
Lloyd, June K., M.B., Ch.B. Tutor.
James, Brenda, M.B., B.S. Lond., D.C.H. Tutor.
4 Recognized Teachers.

Dermatology

Evans, C. D., O.B.E., M.A., M.B., B.Ch. Camb. (C.).
Warin, R. P., M.D., Ch.B. Leeds (C.).
Hewitt, M., M.B., B.S. Lond. Tutor.

Forensic Medicine

Gibson, C. R., M.B., Ch.B. Glas. Lectr.

Laryng., Rhin. and Otology

Watson-Williams, E., M.D. Camb., Ch.M., F.R.C.S.Ed. Hd. of Dept., Lectr.
Scarff, G. R., M.B., Ch.B., F.R.C.S. Ed. (C.).
James, J. A., M.D., B.S. Lond., M.B., Ch.B., F.R.C.S. (C.).
Fairman, H. D., M.B., B.S. Lond., D.L.O., F.R.C.S.Ed. (C.).
Freeman, J., M.B., B.S. Lond., D.L.O., F.R.C.S. Tutor.
Mills, C. P., M.B., B.S. Lond., F.R.C.S.

Medicine, v. also Path., Pharm.

Perry, C. B., M.D., Ch.B., F.R.C.P. Prof.
Cates, J. E., M.D., B.S. Lond. Lectr.
Cosh, J. A., B.A., M.D., B.Chir. Camb. Lectr.
Campbell, A. M. G., D.M. Oxon., F.R.C.P. Lectr.
Davies, D. H., M.D., B.Ch. Wales, F.R.C.P. Lectr.

* (C.) = Clinical Teacher.

Naish, J. M., M.A., M.D., B.Chir. Camb. Lectr.
Gale, A. H., B.A., D.M., B.Ch. Oxon. (Epid.) Lectr.
Kersley, G. D., M.A., M.D. Camb., F.R.C.P. (Phys. Med.) Lectr.
Pearson, J. E. G., M.A., D.M., B.Ch. Oxon., F.R.C.P. (Pulmonary Dis.) Lectr.
Roberts, J. A. F., M.A. Camb., D.Sc., M.D., Ch.B. Edin., F.R.C.P. (M. Genet.) Sp. Lectr.
Golla, F. L., M.A., B.M., B.Ch. Oxon., F.R.C.P. (Exper. Neurol.) Sp. Lectr.
Birrell, J. A., M.D., B.S. Lond., F.R.C.P. (C.).*
Orr-Ewing, H. J., M.D. Lond., F.R.C.P. (C.).
Sparks, J.V., B.A. Camb., D.M.R.E. (Radiodiag.) (C.).
Tovey, G. H., M.D. (Hæmatol.) (C.).
Middlemiss, J. H., M.D., B.S. Durh., D.M.R.D., F.F.R. (Radiodiag.) Lectr.
Gaskell, K. H., M.A., B.Chir. Camb., D.M.R.D. (Radiodiag.) (C.).
Wansbrough, T. B., M.B., Ch.B., D.M.R.E. Camb. (Radiodiag.) (C.).
Airth, G. R., M.B., B.S. Durh., D.M.R.D. (Radiodiag.) (C.).
Ross, F. G. M., B.A., M.B., B.Ch. Dub. (Radiodiag.) (C.).
Sutton, G. E. F., M.D. Lond., F.R.C.P. (C.).
Alexander, A. J. P., M.D., B.Ch., B.A.O. Belf. (T.B.) (C.).
Craig, R. A., B.Sc., M.D., B.S. Lond. (T.B.) (C.).
Roberts, A. T. M., M.B., B.S. Lond. (T.B.) (C.).
Macrae, J., M.D., Ch.B. Glas., F.R.F.P.S. Glas., D.P.H. (Fevers) (C.).
McKendrick, G. D. W., M.A., B.M., B.Ch. Oxon. (Fevers) (C.).
Gordon, I. R. S., M.D., B.Chir. Camb. (Radiodiag.) (C.).
MacLeod, Margaret C., M.B., Ch.B. St. And., D.M.R.D. (Radiodiag.) Tutor.
Moyle, I. R., M.A. Camb., D.M.R.D. (Radiodiag.) Tutor.
Roseverne, V., M.B., Ch.B. Edin., D.M.R.D. (Radiodiag.) Tutor.
Moore, E. W., M.C., M.B., Ch.B., D.P.H. (Radiodiag.) Tutor.
March, H. F., M.D., B.S. Durh., D.M.R.D. Lond. (Radiodiag.) Tutor.
Leather, H. M., M.B., Ch.B. Tutor.
Crow, R. S., M.B., Ch.B. Aberd. Tutor.
Hill, R., M.B., Ch.B. Tutor.
3 Recognized Teachers.

Neuro-Surgical Unit, v. also Surg., *infra*
Alexander, G. L., M.B., Ch.B., B.Sc. Edin., F.R.C.S. Surgeon-in-charge (C.).
1 Recognized Teacher.

Obstetrics and Gynæcology
Lennon, G. G., M.B., Ch.M. Aberd., F.R.C.O.G. Prof.
Smythe, H. J. D., M.C., M.D., M.S. Lond., F.R.C.S., F.R.C.O.G. Lectr.
Loxton, S. D., M.B., Ch.B., F.R.C.S. Lectr.
Shepherd, H. L., Ch.M., M.B., F.R.C.O.G. Lectr.
MacGregor, W. G., B.M., B.S. Melb., F.R.C.S. Lectr.
MacGillivray, I., M.D., Ch.B. Glas. Lectr.
Hector, F. J., M.D., Ch.B., F.R.C.S. (C.).
Potter, Mabel F., M.D., Ch.B., F.R.C.O.G. (C.).

* (C.) = Clinical Teacher.

Phillips, P., M.Sc., M.D., Ch.B. (C.).*
Edwards, E. M., M.B., B.S. Lond. Tutor.
Sibthorpe, Elsie M., M.D., B.S. Lond. Tutor.
1 Recognized Teacher.

Ophthalmology

Palin, A., M.A., B.M., B.Ch. Oxon., F.R.C.S.Ed. Hd. of Dept., Lectr.
Jardine, P., F.R.C.S.Ed., D.O.M.S. (C.).
Garden, R. R., M.A., M.B., Ch.B. Aberd., D.O.M.S. (C.).
Clifton, F., M.A., M.B., B.Chir. Camb., D.O.M.S. (C.).
Brown, C. A., M.A., M.D., Ch.B. Aberd., D.O.M.S., F.R.C.S. (C.).
Cantrell, G. L., M.B., Ch.B. Manc., D.O. Tutor.

Pathology

Hewer, T. F., M.D., F.R.C.P. Dean, Fac. of Med., Prof.

Lecturers

Gillespie, W. A., M.A., M.D. Dub., D.P.H. (Clin. Bacteriol.).
Taylor, A. L., M.D., Ch.B. Leeds (Clin. Pathol.).
McGowan, G. K., B.A., B.M., B.Ch. Oxon. (Chem. Pathol.).
Lewis, F. J. W., M.B., Ch.B. (Clin. Pathol. and Hæmatol.).
Sandry, R. J., M.B., Ch.B.
Lloyd, O. C., M.A., M.D., B.Chir. Camb.
Bishton, R. L., M.D., Ch.B. Birm.
Dodgson, M. C. H., M.D., B.S. Lond.
Norman, R. M., M.D., Ch.B., D.P.M. Lond. (Neuropathol.).
Reese, A. J. M., M.D., B.S. Lond. (Morbid Anat.).
Price, C. H. G., M.D., Ch.B. Res. Fellow.
Allen, Unity R., M.A., B.M., B.Ch. Oxon. Demr.
Meek, E. S., M.B., Ch.B. St. And. Demr.
Urich, H., M.B., Ch.B. Edin. Demr.
Bolton, F. G., M.B., Ch.B. Tutor.
Johnson, D. H., M.D., Ch.B. Tutor.
Spencer, R. W., M.B., Ch.B. Birm. Tutor.
2 Res. Assts.

Pharmacology and Practical Pharmacy

Heller, H. S., M.D. Camb., Ph.D. Prague Prof.
Ginsburg, M., B.Sc., Ph.D. Edin. Lectr.
Fitzpatrick, R. J., B.Sc. Lond. (Vet. Pharmacol.) Lectr.
Schnieden, H., M.B., Ch.B. Res. Asst.
2 Recognized Teachers in Pract. Pharm.

Physio-Therapeutics

Spoor, A. T., M.A. Camb. Lectr.

Preventive Medicine and Public Health

Parry, R. H., M.D., B.S. Lond., F.R.C.P., D.P.H. Prof.
Cooper, K. E., B.Sc., Ph.D. Leeds (Bacteriol.) Prof.

Lecturers

Wofinden, R. C., M.D., B.S., D.P.H., D.P.A. Lond.
Cayton, H. R., M.B., Ch.B. (Bacteriol.).
Hinds, S. W., M.D., B.S. Lond., D.T.M.H. (Child Health and Soc. Med.)

* (C.)=Clinical Teacher.

Herdan, G., M.Sc. Lond., Ph.D. Vienna, LL.D. Prague (Stats.).
Woodman, Dorothy, M.Sc., M.D., B.S. Lond. (Clin. Pathol.).
Iland, C. N., M.B., Ch.B. Liv., Ph.D. Birm., D.C.P. Lond. (Bacteriol.).
Whittle, E. G., B.Sc., F.R.I.C. (Chem. of Hygiene).
Dembrey, I., B.Sc., F.R.I.C. (Chem. of Hygiene).
Faulkner Hudson, T. G., M.D., B.S. Lond. (Industrial Hyg.).
Kelly, G. C., B.Sc., M.D., Ch.B. Aberd., D.P.H. Lond. (Hospl. Admin.).
Mayr-Harting, Anna, M.D. Prague, Ph.D. (Bacteriol.).
Linton, A. H., M.Sc. (Vet. Bacteriol.).
Peacock, D. B., M.B., Ch.B. (Bacteriol.) Res. Asst.
Clarke, Suzanne K. R., M.B., Ch.B. (Bacteriol.) Demr.
7 Recognized Teachers.

Psychiatry

Hemphill, R. E., M.A., M.D., B.A.O. Dub., D.P.M. Hd. of Dept., Lectr.
Barbour, R. F., M.A. Camb., M.D., Ch.B. Edin., F.R.C.P., D.P.M. (C.).*
Leitch, A., M.D., Ch.B. Glas., D.P.M. Lond. (C.).
Lyons, J. F., D.P.H., D.P.M. (Mental Deficiency) (C.).
Early, D. F. M., D.P.H., D.P.M. N.U.I. (C.).
Smith, S., M.D., Ch.B. Leeds, D.P.M. Asst. Lectr.
Hare, E. H., M.A., M.B., B.Chir. Camb., D.P.M. Lond. Tutor.
Turton, E. C., M.A. Oxon., M.B., B.S. Lond., D.P.M. (Electro-encephalography) Tutor.

Public Health, v. Preventive Med.

Surgery, v. also Neuro-Surg., *supra*

Walker, R. Milnes, M.B., M.S. Lond., F.R.C.S. Prof.
Adams, A. W., M.B., M.S. Lond., F.R.C.S. (Urol.) (C.).
Tasker, D. G. C., B.Sc., M.B., M.S. Lond., F.R.C.S. (C.).
McPherson, A. G., B.A., M.B., M.Chir. Camb., F.R.C.S. (C.).
Eyre-Brook, A. L., M.B., Ch.B., M.S. Lond., F.R.C.S. (Orthop. and Fractures) Lectr.
Cooke, R. V., M.B., Ch.M., F.R.C.S. (C.).
FitzGibbon, G. M., M.D., B.S. Lond., F.R.C.S. (Plastic Surg.) (C.).
Jackman, W. A., M.B., Ch.B., F.R.C.S.Ed. (C.).
Paul, R. G., F.R.C.S.Ed. (C.).
Pridie, K. H., M.B., Ch.B., F.R.C.S. (Orthop.) Lectr.
Horton, R. E., M.B.E., M.B., M.S., F.R.C.S. Lectr.
Miller, A., M.A., M.D., B.Chir. Camb., F.R.C.S. (Urol.) Lectr.
Capper, W. M., M.B., B.S. Lond., F.R.C.S. Lectr.
Peacock, J. H., M.B., Ch.B. Birm., F.R.C.S. Lectr.
Tudway, R. C., B.Sc., M.B., B.S. Lond., D.M.R., F.F.R. (Radiother.) Lectr.
Belsey, R. H. R., M.B., M.S. Lond., F.R.C.S. (Thoracic Surg.) (C.).
Pocock, J. A., M.A., M.B., B.Chir. Camb., F.R.C.S. Lectr.
Lucas, H. K., M.B., M.Ch. Orth. Liv., F.R.C.S.Ed. (C.).
McCormack, M. P., M.B., Ch.B. Edin., F.R.C.S.Ed. (Orthop.) (C.).
Curwen, S., D.M.R.T. (Radiother.) (C.).

* (C.) = Clinical Teacher.

Flemming, A. A. G., D.M.R.T. (C.).*
Mitchell, J. P., M.B., B.S. Lond., F.R.C.S. (Urol.) (C.).
Bourns, H. K., B.A., M.B., B.Ch., B.A.O., Dub., F.R.C.S. (C.).
Robinson, H. H., B.A., M.B., B.Ch., B.A.O., D.M.R.T. Dub. (Radiother.) Tutor.
Wilson, M. G., M.B., Ch.B. Leeds, F.R.C.S. Tutor.
Monks, P. J. W., M.B., B.S. Lond. Tutor.
Baily, R. A. J., M.B., B.Chir. Camb. Tutor.
Chitty, K., B.A., M.B., B.Chir. Camb., F.R.C.S. (Urol.) Tutor.
Freeman, R. H., M.B., Ch.B. Birm., F.R.C.S.Ed. (Orthop.) Tutor.
Goldstein, A. M., M.B., B.S., D.M.R.T. Lond. (Radiother.) Tutor.
Hadfield, G. J., M.B., B.S. Lond., F.R.C.S. Tutor.
Bartlett, C. H., M.A., M.B., B.Chir. Camb., F.R.C.S. Tutor.
Watson, P. C., M.B., B.S. Lond., F.R.C.S. Tutor.
Partridge, J. P., M.B., B.S. Lond., F.R.C.S. Tutor.
4 Recognized Teachers.

Venereal Diseases

McLachlan, A. E. W., M.B., Ch.B. Edin., D.P.H. Lectr.

Veterinary Science

Blakemore, F., D.V.Sc., D.V.S.M. (Vet. Med.) Prof.
Ottaway, C. W., Ph.D. Camb., F.R.C.V.S. (Vet. Anat.) Prof.
Messervy, A. (Vet. Surg.) Prof.
Carlyle, A., B.A. Camb., B.V.Sc. Liv. (Vet. Physiol.) Sr. Lectr.
Laing, J. A., B.Sc. Edin., Ph.D. Camb. (Vet. Med.) Sr. Lectr.
Garner, R. J., M.A. Camb., F.R.C.V.S. (Chem. Pathol.) Sr. Lectr.
McCrea, M. R. (Animal Husb.). Sp. Lectr.

Lecturers

King, A. S., B.Sc. Lond. (Vet. Anat.).
Batten, E. H., B.Sc. R'dg., Ph.D. Lond. (Vet. Phys., Histol.).
Levie, Marjorie V. (Vet. Surg.).
Osborne, A. D. (Vet. Pathol.).
Holmes, J. R., B.V.Sc., Ph.D. Liv. (Vet. Med.).
Tribe, D. E., B.Sc.Agric. R'dg., Ph.D. Aberd. (Animal Husb.).
Smith, R. N. (Vet. Anat.).
Marrable, A. W., B.Sc. Lond. (Vet. Anat., Embryol.).
Yeats, J. J. (Vet. Surg.).
Jaffe, W. P., B.Sc. (Agric.) Wales, Ph D. Edin. (Animal Husb.).
Haigh, A. L., B.Sc. (Vet. Physiol.) Demr.
2 Res. Assts., 2 Recog. Teachers.

Art Lectures

1953–54—Dr. W. Oakeshott; J. Laver; J. Woodward; G. Keynes; G. Reynolds; P. James.
Subject—*The Art of Illustration in the British Isles from the Middle Ages to the Present Day.*
1954 – 55 — Hon. S. Runciman; Prof. C. Stewart; Dr. H. Buchthal; Prof. T. Rice.
Subject—*Byzantine Art and Its Influence in Europe.*

Carey Coombs Memorial Lecturer

1954–55—J. C. Bramwell, M.D., F.R.C.P.
Subject—*Diagnosis of Rheumatic Valvular Disease, 1924–1954.*

* (C.) = Clinical Teacher.

Lewis Fry Memorial Lecturer

1954–55—Sir Carleton Allen, Q.C.
Subject—*Justice and Liberty According to Law.*

George Hare Leonard Memorial Lecturer

1954–55—K. Garlick, M.A.
Subject—*Sir Thomas Lawrence.*

Loveday Lecturer

1953–54—Prof. A. E. Duncan-Jones, M.A., Ph.D.
Subject—*The Notion of Conscience.* (A Bishop Butler Lecture.)

Perry Lecturer

1953–54—E. H. Gombrich, Ph.D., M.A.
Subject—*Lorenzo Ghiberti and the Beginnings of Renaissance Sculpture.*

Drama Dept. Rockefeller Lecturer

1953–54—H. Hunt.
Subject—*The Producer and the Art of the Theatre.*

Arthur Skemp Memorial Lecturer

1954–55—Prof. B. Willey, M.A. Camb., F.B.A., F.R.S.L.
Subject—*Francis W. Newman.*

Inter-Faculty Lecturer

1954–55—Canon Dr. A. R. Vidler.
Subject—*Christian Faith and Political Responsibility.*

Institute of Education

Fletcher, B. A., B.Sc. Lond., M.A. Dir. and Prof.
Knowlson, H., B.Sc., Ph.D. Leeds Staff Tutor.
Kuenstler, P. H. K., M.A. Oxon. S. Africa Res. Fellow.
Stott, D. H., M.A. Camb., Ph.D. Lond. Res. Fellow.
Stott, I. F. G., M.A., B.D. St. And. Res. Fellow.

Lecturers

Berry, Hannah M., B.Sc. Lond.
Bradby, E. L., M.A. Oxon.
Dawson, Alice M., M.A. Birm.
Ellis, C.
Jones, Ethel W., M.A. Lond.
Milner, D. E., O.B.E.
Neilson, Elizabeth B.
Smith, L., M.A. Oxon.
Taylor, M. Burella, M.A. Camb.

Special Lecturers

Barnard, Elsie J.
Bowen, Mabel, B.Sc. Liv.
Cranswick, Margaret E., B.A. Lond.
Horstmann, F. C.
Humphreys, Mary E., B.A. Manc.
May, Dorothy E.
Mumford, Sheila C., B.A., Ph.D. Lond.
Parrott, Winifred V., B.A.
Smith, D. P., B.Sc. Lond.
Symons, Doreen I.

Research Assistant

Sykes, Emily G.

Training Course for Health Visitors

9 Recognized Teachers.

Adult Education

Salt, W. E., O.B.E., M.A. Sheff., B.Com. Manc. Dir. of Dept. of Adult Educn.
Owen, F. S., B.Sc. (Econ.) Lond. (Services Educn.) Asst. to Dir.
Walthew, F. W., B.A. Camb. Asst. to Dir.

Pt.-time Extra-Mural Lectrs.: 28 members of Univ. staff, 66 others.

Resident Tutors

Bristol

Hopkins, P. W., B.A.; Burton, J. C. G., M.A. Camb.; Cunliffe, G., B.Sc. Manc. (Staff Tutor in Nat. Sci.).

Dorset

Ollett, F. A., M.A. Camb.; Macey, E. C., M.C., B.A. Lond.

Gloucestershire

Taylor, W. R., B.Sc. (Econ.) Lond.; Tucker, H. F. G., Rossell, P. E., B.A. Sheff.

Somerset

Cair, S. H., B.Sc. (Econ.) Lond. (Sr. Lectr.); Durham, I. L., M.A. Oxon.; Sharp, S., M.A. Leeds.

Wiltshire

Ross, H., B.A. Lond.; Hare, A., B.A. Lond.; Thomas, J. L., B.A. Lond.; Fraser, P., B.A. Camb.

Staff Tutors for Services Educn.

Aris, R. F., Dr. juris utriusque Jena; Jenkins, H., B.Sc. Wales.

ADMINISTRATIVE AND OTHER STAFF

OFFICE OF THE REGISTRAR AND SECRETARY. Asst. Registrars and Secs.: A. Fraser, B.A. Leeds, E. C. Wright, M.A. Oxon. Administrative Asst.: Mrs. Sheila M. Rawcliffe, M.A. Oxon. Examinations Officer: A. J. Davis. Publications Officer: S. L. Crook.

OFFICE OF THE BURSAR. Asst. Bursar: A. G. Jones. Catering Officer: Dorothy M. Woodcock, M.A. Oxon.

OFFICE OF THE FINANCE OFFICER. Asst. Finance Officer: T. B. Smith.

SCHOOL EXAMINATIONS. Director: O. D. Kendall, M.A. Camb.

APPOINTMENTS BOARD. Sec.: Elsie M. Briggs, B.Sc., Ph.D. Leeds. Asst. Sec.: C. S. Mortimer, M.A. Camb.

WARDENS OF HALLS OF RESIDENCE. O. D. Kendall, M.A. Camb. (Wills Hall); J. F. Sloane, B.Sc. Glas. (Burwalls); J. Winifred Macleod, M.A. Glas., B.Litt. Oxon. (Clifton Hill House); Gladys M. Morgan, M.A. Oxon. (Manor Hall).

ADVISER TO OVERSEAS STUDENTS. P. L. Vining.

INSTITUTE OF EDUCATION. Sec.: J. G. Lang, M.A. St. And. Asst. Sec.: Miss Ray P. Allaun, B.A. Lond.

STUDENT HEALTH. Physician-in-charge: Mrs. Agnes H. Wilkinson, M.B., Ch.B. Birm.; Medical Officer: C. C. Downie, M.B., Ch.B.; A. W. Ferguson, M.B., B.Chir. Camb.

LIBRARY. Senior Sub-Librarian: J. R. Barker, M.A. Camb.

ASSOCIATED INSTITUTIONS, in which specialized teaching is given or facilities for research are afforded:—

Agriculture

LONG ASHTON RESEARCH STATION (Dept. of Agric. and Hortic.), Long Ashton, Bristol (*Telephone*: Long Ashton 2181). Dir. and Univ. Prof. of *Horticultural Chem.*—T. Wallace, C.B.E., D.Sc. Durh., F.R.S. *Entomol.*—H. G. H. Kearns, B.Sc. Lond., Ph.D. Camb., Reader. With the standing of Sr. Lectrs. in the Univ.: *Biochem.*—A. Pollard, M.Sc. Lond., Ph.D. Manc.; G. C. Whiting, B.Sc., Ph.D. Sheff. *Chem. of Insecticides and Fungicides*—J. T.

Martin, D.Sc. *Mycol.*—R. W. Marsh, M.A. Camb. *Pomol.*—L. C. Luckwill, B.Sc., Ph.D. *Organic Chem.*—D. Woodcock, M.Sc., Ph.D. Durh. With the standing of Lectrs. in the Univ.: *Chem.*—C. Bould, M.Sc., Ph.D. R'dg.; L. F. Burroughs, B.Sc. R'dg. *Domestic Food Preservation*—Alice Crang, B.Sc. Lond. *Entomol.*—S. H. Bennett, B.Sc.; A. Stringer, B.Sc. Lond.; N. G. Morgan, B.Sc. *Fruit Products*—Margaret E. Kieser, B.Sc. *Microbiol.*—F. W. Beech, B.Sc. Birm. *Mycol.*—R. J. W. Byrde, B.Sc. (Hort.), Ph.D. R'dg. *Phys. Chem.*—W. D. E. Thomas, B.Sc., Ph.D. Wales. *Plant Physiol.*—E. J. Hewitt, B.Sc., Lond. Ph.D. *Pomol.*—E. W. Hobbis, B.Sc. 14 Res. Assts., 1 Recognized Teacher.

AGRICULTURAL RESEARCH COUNCIL UNIT OF PLANT NUTRITION (MICRO-NUTRIENTS), Long Ashton, Bristol (*Telephone*: Long Ashton 2181). With the standing of Lecturers in the Univ.: D. J. D. Nicholas, B.Sc. Lond., Ph.D.; W. Plant, B.Sc. Hort., Ph.D. R'dg.; A. H. Williams, M.A., B.Sc. Oxon. 2 Research Assistants.

Domestic Science

GLOUCESTERSHIRE TRAINING COLLEGE OF DOMESTIC SCIENCE, Barrack Square, Gloucester (*Telephone*: Gloucester 20234). For practical course for B.Sc. in Dom. Sci. Principal and Univ. Lectr. in *Dom. Sci.*, M. Burella Taylor, M A. Camb. With the standing of Teachers in the Univ.: *Cookery*—Molly Downes. *Dressmaking*—Irmgard B. Pick. *Household Management*—Mabel Challinor. *Laundry Work*—Ethel Henney. *Needlework*—Margaret N. Pincott. *Sci. and Hygiene*—Jessica D. Byett, B.Sc. Lond.

Theology

The following are members of the Univ. staff for the B.A. in Theol. subjects:

BAPTIST COLLEGE, Woodland Rd., Bristol, 8 (*Telephone*: Bristol 20248). Principal, Rev. L. G. Champion, B.D. Lond., D.Th. Heidel., B.A.; Rev. N. S. Moon, B.D., M.Th. Lond. B.A.

CLIFTON THEOLOGICAL COLLEGE, Stoke House, Bristol, 9 (*Telephone*: Bristol 82803). Principal, Rev. L. E. Roberts, M.A. Durh.; Rev. W. G. Brown, B.D. Lond.; Rev. T. E. Benson, M.A. Camb.; Rev. J. A. Motyer, M.A., B.D. Dub.; Rev. A. F. Luxley, M.A. Camb.

DIDSBURY COLLEGE, Henbury Hill, Bristol (*Telephone*: Bristol 68990). Principal, Rev. F. Greeves, M.A. Camb.; Rev. S. B. Frost, M.Th. Lond., D.Phil. Marburg; Rev. K. Grayston, M.A. Camb.; Rev. R. E. Davies, M.A. Oxon., B.A., B.D. Camb.

TYNDALE HALL THEOLOGICAL COLLEGE, Clifton, Bristol (*Telephone*: Bristol 33325). Principal, Rev. J. Stafford Wright, M.A. Camb.; Rev. P. E. Hughes, M.A. Cape T., B.D. Lond.; Rev. D. H. Tongue, M.A. Camb.; Rev. A. F. Walls, M.A. Oxon.; Rev. J. W. Wenham, M.A. Camb., B.D. Lond.

WESTERN COLLEGE, Cotham, Bristol, 6 (*Telephone*: Bristol 36042). Principal, Rev. H. F. Lovell Cocks, M.A., D.D. Lond.; Rev. W. J. Downes, M.A., B.D. Lond.

GENERAL INFORMATION

The Bristol Medical School, founded in 1833, merged in 1893 with the Univ. Coll. which was established in 1876. The College was dissolved and the Univ. received its Charter in 1909. Its main bldgs., which were opened in 1925, occupy a commanding site between the City and the residential districts and cost £500,000; the H. H. Wills Physics Lab., opened in 1927, cost £200,000. The Fac. of Engin. is housed at present in the Municipal College of Technology, but new labs. are nearing completion. Canynge Hall, within easy reach of the

Univ., accommodates the Depts. of Preventive Med. and Pathol. The Veterinary Field Station, opened in July 1952, is at Langford Somerset.

CONSTITUTION. The University Court, comprising some 400 representatives of local authorities and organizations, learned bodies, benefactors, staff and graduates, meets annually to receive a report from Council, pass accounts and a balance-sheet, appoint University officers and make alterations in Ordinances. Executive control rests during the year with Council, whose 40 members are nominated by Court, the local authorities of the region, the Society of Merchant Venturers, and Senate. Senate, consisting of the Professors and a small number of other members of the teaching staff, controls, under Council, the academic affairs of the University and receives reports from the Faculty Boards. There are five Faculties (*see below*), each with, at its head, a Dean who holds office for two or three years. The principal academic officer of the University is the Vice-Chancellor, whose appointment is permanent. The graduates of the University form Convocation, which meets annually and may discuss and pronounce an opinion on any matter concerning the University.

INCOME (1952–53). Total income, £966,372 (Treasury grants, 68 per cent.; fees, 12 per cent.; contributions for services rendered, 14 per cent.; grants from Local Authorities, 4 per cent.; other items, 2 per cent.).

LIBRARY. 196,000 vols. (Arts 104,500, Sci. 47,700, Med. 35,900, Law 3400, Inst. of Educn. 4500). Special collections: British local hist. and records; early English novels; English philos. writers; courtesy books; cartography; landscape gardening; Maria Mercer Phys. Library; Exley Mathematical Library; Worsley Chem. Library (including early works on chem. and alchemy); Wiglesworth Ornithol. collection; early med. books, including the Parry Soden collection; works on mineral waters and spas.

LABORATORIES. Scientific, Medical and Engineering, all equipped for purposes of research. Hiatt Baker Botanical Garden.

HOSPITALS. Clinical study is undertaken in the United Bristol Hospls. (comprising the Bristol Royal Hospl., Univ. of Bristol Dental Hospl., the Bristol Royal Hospl. for Sick Children, the Bristol Eye Hospl and the Bristol Maternity Hospl.) and partly in the following hospls. under the control of the S.-W. Regional Hospl. Board—Southmead Hospl., Ham Green Hospl., the Bristol Mental Hospls., Stoke Park Colony and Winsley Sanatorium.

FACULTIES AND DEANS. *Arts*, Prof. C. M. MacInnes (Imp. Hist.); *Engineering*, Prof. A. R. Collar (Aero. E.); *Law*, Prof. J. A. Coutts (Jurispr.); *Medicine*, Prof. T. F. Hewer (Path.); *Science*, Prof. H. A. Heilbronn (Pure Maths.).

ADMISSION. *See* Appendix I.

DEGREE COURSES. B.A., B.A. (Econ.), B.Sc., B.Sc. in Engin., LL.B.—3 yrs., including at least 2 in the Univ.; B.Mus.—1 yr. after General B.A.; Hons. B.Sc. and Hons. B.Sc. in Engin.—4 yrs., except for those who enter with exemption from the Inter. Examn.; B.Sc. in Dom. Sci.—4 yrs., except for those who enter with exemption from the Inter. Examn.; B.Sc. by res.—3 yrs. (2 yrs. in the case of a grad. of another Univ.); M.B., Ch.B.—5 yrs., after passing First examn. in Phys., Chem. and Biol.; B.D.S.—4½ yrs., after passing a First examn. in Phys., Chem. and Biol., including at least 3 in the Univ.; B.V.Sc.—4 yrs., after passing First examn. in Phys., Chem. and Biol., including at least 3 in the Univ.

Instruction given in Theological subjects in the Associated Colls. to undergrads. of the Univ. by the Principal or teachers mentioned above is, for the purpose of the B.A. degree, deemed to be given in and by the Univ.

HIGHER DEGREES. M.A., D.Litt.; D.Mus.; M.Sc., D.Sc. (in Pure Sci. or Engin.); Ch.M., M.D.; LL.M., LL.D.; Ph.D. (*see* p. 24). Grads. of other Univs. are placed practically on the same footing as grads. of Bristol as regards facilities for proceeding to certain of these degrees. Candidates who graduate with Hons. in Sci. may take the M.Sc. one yr. later. Otherwise the Mastership is not granted within 2 yrs. after graduating. The M.D. may be taken 2 yrs. after graduating in Med., the D.Litt. 4 yrs. after the M.A., and the D.Sc. 4 yrs. (3, if devoted to original work in the Univ.) after the M.Sc. The LL.M. 2 yrs. after graduating, the LL.D. 4 yrs. after the LL.M.

DIPLOMAS. Education (for qualified teachers), 1 yr.; Public Administration (pt.-time), 2 yrs. for first dipl. and 1 further yr. for advanced dipl. Horticultural Science (postgraduate), 1 yr.; Plant Pathol. and Protection, 1 yr.; L.D.S., 4 yrs.; Public Health, 9 to 18 mos.; Psychological Medicine, 6 mos.

CERTIFICATES. Testamur in Social Study, 2 yrs., Education, 1 yr., Public Health, 1 yr.; Testamur in Bacteriology and Microbiology (postgraduate), 1 yr., Midwife Teachers', 9 mos.

ENGLISH FOR FOREIGN STUDENTS. Foreign students who can satisfy the Univ. that their knowledge of Engl. is sufficient may attend pt.-time courses in Engl and in a limited number of other subjects in Facs. of Arts and Sci. No dipl. is awarded, but a cert. of attendance is given. Fees: £10 per session or £4 per term.

FEES. Inclusive annual fees, B.A., B.A. (Econ.), £41; B.Mus., £46; Testamur in Social Study, £33; Certif. in Educn., £40; Dipl. in Educn., £59; B.Sc., B.Sc. (Dom. Sci.), £48; B.Sc. in Maths., £42; Dipl. in Hort. Sci., £37; Dipl. in Plant Pathol. and Protection, £37; Testamur in Bacteriol. and Microbiol., £20; M.B., Ch.B., £51; B.D.S., £55; B.V.Sc., £52; B.Sc. in Engin., £57; LL.B., £41.

RESEARCH. The Colston Research Society devotes the proceeds of an annual collection to a symposium and to the promotion of research in the Univ.

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II.

RESIDENCE. (For Wardens *see* "Administrative and other Staff," p. 70.) For Women (fees: £120 p.a.): Clifton Hill House, Clifton Hill, Bristol, 8 (*Telephone*: Bristol 36274), 93 students; Manor Hall, Clifton, Bristol, 8 (*Telephone*: Bristol 36604), 195 students. For Men (fees: £125 p.a.): Wills Hall, Stoke Bishop, Bristol, 9 (*Telephone*: Bristol 81544), 275 students; Burwalls, Leigh Woods, Bristol, 8 (*Telephone*: Bristol 36089), 40 students.

UNIVERSITY NAVAL CONTINGENT. C.O.: Commodore F. T. Pollinger, D.L. Embodied in the Severn Division R.N.V.R., with H.Q. aboard H.M.S. *Flying Fox*. Sea Training is carried out in a Battleship or Aircraft Carrier in the long vac. and in a Motor Minesweeper attached as tender to H.M.S. *Flying Fox* during the session.

UNIVERSITY TRAINING CORPS (T.A.). C.O.: Major A. M. Graves. The principal object of the Corps is to fit cadets to reach Commissioned Rank in their period of National Service. Basic training is followed by specialist training in either the Signal Unit or the Infantry Unit. Cadets work for the War Office Proficiency Certificates.

UNIVERSITY AIR SQUADRON. C.O.: Squadron-Leader J. H. Langley. The squadron provides flying training for students preparing for commissioned service in the R.A.F. or its Auxiliary or Reserve Forces. During term, flying

training is given at the R.A.F. Station, Filton, and continuous training takes place during 2 wks. of the long vac.

The UNIVERSITY UNION is the student body of the Univ. It has facilities for its various clubs and activities at the Victoria Rooms, Bristol, 8. (*Telephone*: Bristol 343831.)

PRINCIPAL STUDENT ATHLETIC FACILITIES. 38½ acres of playing fields at Coombe Dingle, Bristol, 9, comprising rugger, soccer, hockey and cricket pitches, tennis and netball courts, and a running track. Tennis and squash courts at several of the Halls of Residence. 2 Gymnasia in the Students' Union. Rowing at Saltford, 7 miles from Bristol. 2 Lectrs. in Phys. Educn. organize games and athletics. (*See* p. 61.)

INSTITUTE OF EDUCATION (*see also* p. 69). Founded in 1947 to supervise the training of teachers and youth leaders in the region, and to provide a centre for research. *Associated Institutions*: Univ. Dept. of Educn.; Diocesan Training College, Fishponds, Bristol; West of England College of Art, Bristol; City of Bath Training College; Domestic Science Training College, Bath; City of Bath Academy of Art; St. Paul's Training College, Cheltenham; St. Mary's Training College, Cheltenham; Gloucestershire Training College of Domestic Science, Gloucester; Diocesan Training College, Salisbury; Redland Training College, Bristol.

APPOINTMENTS BOARD. 21 Berkeley Sq., Bristol, 8. *Telephone*: Bristol 24161. For staff *see* "Administrative and other Staff," p. 70. The Bd. exists to facilitate the employment of graduates and other students of the Univ. in the professions and occupations for which their Univ. training fits them. 1952–53, 280 permanent appts. including—Govt. Depts., 23 men, 7 women; Local Govt., Regional Bds., Publ. Corps., 30 men, 41 women; Comm. and Industry, 129 men, 40 women; Univs. and Tech. Colls., 4 men, 1 woman; Misc., 5 women. Vacation Work: 126 men, 30 women.

For FORMER STUDENTS there is an Association of Alumni. Sec.—E. G. Beynon, B.Sc., 25 Gloucester Rd., Thornbury, Glos.

ADULT EDUCATION. Organized through Univ. Dept. of Adult Educn. Schemes of co-operation with W.E.A., all Educn. Authorities in Univ. region, and with Community Council of Gloucestershire. Jt. Scheme for Dorset in collaboration with Univ. of Southampton; associated with Wilts. in Urchfont Manor Residential Coll. for adults (Tutor seconded to Coll. Staff). 3 Resident Tutors organize Univ. activities in each county. 2 Resident Tutors responsible for work in city of Bristol. Staff Tutor with responsibility for promotion of studies in Nat. Sci. 3 Staff tutors for Army Educn.

VACATION COURSES. A Summer Sch. is arranged annually by the Dept. of Adult Educn. in conjunction with the W.E.A. It is held in Wills Hall for two weeks and normally attracts about 100 students, including a number from abroad. Subjects include Art, Econ., Biol., Psychol., and Politics. In addition, special courses have been arranged on the functions and problems of Trade Unionism. Residential Summer Courses in Chem. and Phys. have been arranged for grad. students and members of the staffs of Govt. and industrial labs.

STUDENTS' HEALTH SERVICE. Students admitted to the Univ. are required to undergo a medical examn. in each of the first 3 undergrad. yrs. The examns. are conducted by Medical Officers appointed by the Univ. and are free of cost to students. The Medical Officers are available also for free consultation and advice to students in health matters. The Univ. has provided

Woodland House, West Park, Bristol, 8 (*Telephone*: Bristol 37716), near the Union and the main Univ. bldgs., for use as a health centre, with facilities for physical training, squash, tennis and fives.

PUBLICATIONS. *Calendar* (Oct.), 10s. 6d. post free; *General Prospectus* including Regulations for Matriculation; Faculty *Prospectuses* issued in July; Annual Report of Council; Handbook and Directory of Adult Education; Halls of Residence; Regns. for G.C.E. Examns., 1s. 6d. (*Examn. Papers*, 2s. 6d. per set post free); Students' Mag., *Nonesuch*, 1s. 6d.; *The Life of a University* by Basil Cottle and J. W. Sherborne (Arrowsmith, 1951), 6s. paper, 10s. 6d. cloth.

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. Miss Geraldyne Smith, 10,000 shares in Bristol Aeroplane Co. (value approx. £9250) to endow Entrance Scholps. and Res. Scholps., preferably in Dept. of Aero Engin.; British Empire Cancer Campaign, £3900 for cancer res.; Milk Marketing Bd., £1050 for a Res. Fellowship in Vet. Sch.

NEW BUILDINGS. Founders' Window restored. Inner Court completed. Lyndale House acquired, converted and equipped for Inst. of Educn. and Dept. of Econ. Further adaptations at Vet. Sch. at Langford as result of completion of new lab. block for Ministry of Agriculture's Vet. Investigation Officer. Hostel for 24 men students under construction at Langford. Work contd. on new Engin. Sch.

NEW DEPARTMENTS AND POSTS. Chair of Vet. Surg. Lectureships in Class. Archæol., Chem. Pathol. (Vet. Sch.), Electr. Engin., Geol. Res. Fellowship in Naval Archit. Sr. Agric. Economist post in Bristol II province of P.A.E.S. at Newton Abbot.

PRINCIPAL CHANGES IN REGULATIONS. Minor changes in combinations of subjects approved for matric. Regulations for D.P.A. revised and Advanced D.P.A. instituted, requiring one yr. of study after first D.P.A.; both D.P.A. courses are pt.-time and are intended for local govt. officers. Matric. standard now required of students entering the L.D.S. course. Scheme introduced for sr. med. students to be attached to general practitioners on a voluntary basis for periods of 2 weeks. Fee system simplified.

ADULT EDUCATION WORK. Organized through Univ. Dept. of Adult Educn.: (1) Univ. Tutorial and Sessional Classes, and shorter courses, in Brist., Glos., Som., Wilts. West and Dorset: 48 3-yr. Turotial Classes; 67 Sessional Classes; 32 Short Session Classes; 10 Short Courses. (2) Introductory Short Courses and Lectures organized by Resident Tutors in Bristol and in rural areas through Univ. region: 56 Short Courses and 318 Single Lectures. (3) Public Lectures and Advanced Courses: 8 Courses. (4) Summer Schools and Residential Courses: 2 for extra-mural students; 1 for Probation Officers; 1 for Colonial Students; 1 for Swedish Students.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVS. Prof. G. Frontali, Dir. of Paediatric Clinic, Rome: "A Comparison between Kwashiorkor and Starchy Food Dystrophy"; Dr. R. F. A. Dean, Camb.: "The Treatment of Kwashiorkor"; Prof. R. Hilsch, Erlangen, 2 lectures in Dept. of Phys.; Prof. P. Böckmann, Heidel., "Hölderlin"; Prof. D. H. Oppel, Mainz, "Shakespeare and Goethe." Prof. H. Cartan, Paris, visit to Dept. of Maths.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVS. Prof. W. M. Stewart; Cardiff, "Paul Valéry et l'idée d'Europe," "La Formation de Jean Racine",

Prof. B. A. Fletcher, Nott., " Future of the Youth Service " ; Prof. S. Körner, Camb., " The Methods of Philosophy " ; Prof. H. D. F. Kitto, Geneva, " The Idea of God in Aeschylus and Sophocles," Bordeaux, " Eschyle, homme de théâtre : Sophocle, philosophe " ; Rev. K. Grayston, Sermon at Annual Commemoration and Commissioning Service, Nott. ; Prof. A. Closs, Hanover and Gött., " The Poetic Image " and " The Reception of German Literature in England," Saarbruck, " Substance and Symbol in Poetry " and " The Reception of German Literature in England " ; J. C. G. Burton, Lund and Stockholm, Lectures on Eng. lit. and English life ; Dr. W. J. Dunning, Berlin-Charlottenburg, 8 lectures on " Nucleation " ; G. E. Coates, Manc., " Valency problems arising from the study of Organometallic compounds " ; Dr. D. J. D. Nicholas, Maryland, " Trace Metal Nutrition of Fungi," Connecticut Exper. Stn., " Mineral Nutrition of Micro-Organisms," Yale, " Metallo Enzymes," Harv., " Metallo Enzymes," A.A.A.S. Gordon Conf., Colby Coll., " Soil-Plant Inter-relationships in regard to Trace Metals," Wis., " Essentiality of Molybdenum for the Reduction of Nitrate," Johns H., Course of lectures to grads., Oxford International Analytical Conf., " The use of Fungi for determining Trace Metal in Biological Materials " ; Prof. C. F. Powell, Southampton, " New Elementary Particles," Bordeaux, " Les Particules élémentaires," Univ. Coll., Lond., " The Cosmic Radiation," Manc., " High Altitude Balloon Flights in the Mediterranean," Bonn, " Elementary Forms of Matter " ; Gött., " Heavy Meson and V-Particles," Hamburg, " Elementary Forms of Matter," Max Planck Inst., Gott., " Technique of High Altitude Balloon Flights," Nobel Festival, Lindau, " The Present State of Knowledge of Elementary Particles," Toulouse-International Conf. at Bagnères de Bigorre, " Different types of Heavy Mesons " ; Prof. N. F. Mott, Lond., " Physics of the Solid State," 3 lectures ; Dr. F. C. Phillips, Australian Univs., " Structural Petrology " ; Dr. S. Simpson, Würzburg, 3 lectures, " Die Entwickelung der altpalaeozischen Geosynclinale in Wales and England," Frankfurt-on-Main, Colloquium on Devonian Stratigraphy ; Dr. J. A. F. Roberts, Edin., Heaysman Gillespie lecture, " Sex-linked Genes in Man " ; A. Miller, Lond. Postgraduate Hosp., Hammersmith, " The Scope and Technique of Transurethral Resection of the Prostate " ; R. V. Cooke, Surgical Section, Manc. Medico-Chirurgical Soc., and to Postgraduate Students, Surgical Unit, Liv., " Laparotomy " ; Prof. G. G. Lennon, Birm., " The Medical Curriculum " ; Prof. H. S. Heller, Frankfort, Mainz, Freiburg, lectures ; Dr. S. J. Bach, Tierärztliche Hochschule, Hanover, 2 lectures, " Special Aspects of the Metabolism of Protein in the Animal Body " ; N. W. Moore, Birm., Extra-Mural Dept., " Bird Systematics," 5 lectures ; Dr. D. E. Tribe, Syd., Melb., Adel., Perth and Canberra, lectures on animal behaviour ; Prof. A. R. Collar, Manc., " Aeroelasticity."

RETIREMENTS. Prof. S. H. Piper (Phys.) ; G. T. Spinks (Agric. Bot., Long Ashton Res. Station) ; Dr. A. D. Fraser (Clin. Pathol.) ; H. W. Turner (Geol.) ; Dr. A. Dakin (Principal, Baptist Coll., Theol. Subjects) ; H. G. Lock (Examns. Officer).

RESIGNATIONS. G. E. Coates (Chem.), apptd. to Chair of Chem., Durh. U. ; Dr. T. J. Gray (Chem.), apptd. to Chair of Ceramics, Alfred U., N.Y. ; Dr. R. Hill (Theoret. Mech.), apptd. to Chair of Appl. Maths., Nott. U. ; Dr. J. K. N. Jones (Chem.), apptd. to Chown Res. Chair, Queen's Univ., Ont. ; Dr. G. S. Andrews (Clin. Path.) ; D. C. Berry (Dent. Pros.) ; M. Teresa Beynon (Agric. Econ.) ; G. G. Bond (Elec. Eng.) ; E. M. Brockway (Orthopaedics) ; R. Burrows (Vet. Path.) ; M. H. Callender (Adult Ed.) ; R. H. Campbell (Agric. Econ.) ; P. J. Chapman (Med. Officer) ; J. A. G. Holt (Anat.) ; E. H. Jones (Agric. Econ.) ; J. B. Kyle (Orthopaedics) ; J. B. Lawson (Obst. and

Gyn.) ; J. F. Mackeson (Law) ; R. Molland (Adult Ed.) ; Lydia Morris (Zool.) ; C. R. Neve (Surg.) ; D. E. Olliff (Physician-in-Charge, Student Health Service) ; R. E. Rees (Ophthalmol.) ; Vyvyan M. P. Roberts (Agric. Econ.) ; Dr. Frances B. Robinson (Anat.) ; C. S. Shaw (Bacteriol.) ; B. O. Smith (Anat.) ; J. A. M. Smith (Obst.) ; Nancy M. Smith (Hort.) ; I. McD. G. Stewart (Med.) ; Heather Stockdale (Anaesthet.) ; J. A. H. Tolhurst (Long Ashton Res. Station) ; W. D. Turner (Anaesthet.).

DEATHS.—Emer. Prof. A. R. Short (member of staff from 1911 and Prof. of Surg., 1932–46) ; Emer. Prof. I. W. Hall (Prof. of Morbid Anat. and Physiol. in Univ. Coll. Brist., 1906–9, and Prof. of Pathol. in Univ., 1909–33) ; A. J. M. Wright (member of med. staff, 1922–50) ; Prof. J. W. McBain (member of staff, 1906–27, holding Leverhulme Chair of Physical Chem., 1919–27 ; hon. grad.) ; F. R. B. Watson (Sr. Lectr. in Mech. Eng. until 1945) ; Dr. A. Millicent King (member of Chem. staff since 1926) ; F. G. Morris (Lectr. in Geog. since 1946) ; Dr. R. W. Gurney (Res. Assoc. in Phys., 1937–46) ; Dr. J. R. Kay-Mouat (Demr. in Pathol., 1912–20) ; G. S. Williamson (Demr. in Pathol. and Bacteriol. 1911–18) ; Alderman T. H. J. Underdown (member of Council since 1947 and of Court since 1946) ; J. Ross (former City Librarian and hon. grad.) ; Margaret Bondfield (hon. grad.) ; Sir Richard Gregory (hon. grad.) ; R. W. Moore (hon. grad.).

HONORARY DEGREES. *M.A.*—R. H. Brown (Managing Dir. of J. W. Arrowsmith, Ltd., Printers to the Univ., and Hon. Sec. of Colston Res. Soc.) ; Elizabeth Ralph (City Archivist) ; D. C. A. Smith (Univ. Finance Officer). *M.Sc.*—G. H. Moore (Vice-Principal of the Brist. Coll. of Technol.).

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	1751	171
Women	827	116
Total	2578	287

Postgraduate students : 326 full-time, 94 part-time.

New admissions : 706 full-time first degree or first diploma students. Students (full-time) from other countries : 137 (countries from which largest numbers came : Egypt, 12 ; India, 12 ; Malaya, 11 ; Nigeria, 9 ; Kenya, 7 ; S. Africa, 7 ; Iraq, 6 ; Trinidad, 6 ; Australia, 5 ; Ceylon, 5 ; Gold Coast, 5 ; New Zealand, 5 ; U.S.A., 5).

DEGREES AWARDED. *Arts* : B.A., 222 ; B.A. (Com.), 14 ; M.A., 6 ; M.A. (Educ.), 2 ; Ph.D., 1 ; *Engin.* : B.Sc. in Eng., 61 ; M.Sc., 1 ; Ph.D., 2 ; *Law* : LL.B., 18 ; *Med.* : M.B., Ch.B., 49 ; B.D.S., 10 ; Ph.D., 2 ; M.D., 3 ; *Sci.* : B.Sc., 185 ; B.Sc. (Dom. Sci.), 3 ; M.Sc., 8 ; Ph.D., 41 ; D.Sc., 1. *Total number of first degrees awarded,* 562.

DIPLOMAS AND CERTIFICATES. *Arts* : Testamur in Soc. Study, 19 ; D.P.A. 6 ; Cert. in Youth Service, 4 ; Cert. in Educ., 141 ; *Med.* : L.D.S., 4 ; D.M.R.D., 1 ; D.P.M. 2 ; D.P.H., 2 ; Midwife Teachers' Cert., 3 ; *Sci.* : D.H.S., 1 ; Cert. in Plant Pathol., 3.

[*Information compiled as at* 22/6/54 ;
Staff list revised on 20/9/54.]

UNIVERSITY OF CAMBRIDGE*

Founded in the 12th Century

Postal Address : Cambridge, England.

Telephone (Registry) : Cambridge 54451.

CHANCELLOR—Marshal of the Royal Air Force the LORD TEDDER, G.C.B., Hon. LL.D., Hon. Fellow of Magdalene College.

VICE-CHANCELLOR—The Rt. Hon. H. U. WILLINK, M.C., Q.C., M.A., Master of Magdalene College.

HIGH STEWARD—The Rt. Hon. the VISCOUNT RUFFSIDE, M.A., Hon. LL.D. Trin.

DEPUTY HIGH STEWARD—The Rt. Hon. the LORD MORTON OF HENRYTON, M.C., M.A., Hon. LL.D. Joh.

COMMISSARY—The Rt. Hon. Sir M. M. MACNAGHTEN, K.B.E., M.A Trin.

ORATOR—Professor W. K. C. GUTHRIE, M.A. Pet.

REGISTRARY—R. M. RATTENBURY, M.A. Trin.

SECRETARY GENERAL OF THE FACULTIES—H. M. TAYLOR, M.A., Ph.D. Cla.

LIBRARIAN—H. R. CRESWICK, M.A. Jes.

TREASURER—A. E. L. PARNIS, B.Sc. (Econ.) Lond., M.A. Cla.

DIRECTOR OF THE FITZWILLIAM MUSEUM AND MARLAY CURATOR—C. WINTER, M.A. Trin.

NOTE. The Colleges and Heads of Colleges are given on pp. 96 ff.

TEACHING STAFF

Aerial Photography

St. Joseph, J. K. S., M.A., Ph.D. Selw. Curator.

Aeronautics, v. Engineering

Agriculture, v. *infra*

Altaic Languages, v. Oriental Langs.

Anatomy, v. also Zool.

Boyd, J. D., M.D. Belf., M.A. Cla., F.L.S. Prof.

Lecturers

Green, H. L. H. H., M.D. Sid.

Hughes, A. F. W., Sc.D. Selw.

Bull, M. M., M.D. Qu.

Millen, J. W., M.D. Belf., M.A. Cla.

Wright, G. H., M.D. King's.

Woollam, D. H. M., M.D. Pet.

Demonstrators

Balankura, K., Ph.D. Fitzw.

Bulmer, D., M.A., M.B., B.Chir. Pet.

Dickon, A. D., M.B., B.Ch., B.A.O. Belf.

Lever, J. D., M.D. Trin.

* Member of the Association of Universities of the British Commonwealth.

Monro, P. A. G., M.D. Joh.
Shute, C. C. D., M.A., M.B., B.Chir. King's.
Pratt, C. W. McE., M.B., Ch.B. Manc., M.A. Trin. H.
Towers, B., M.B., Ch.B. Liv.

Anglo-Saxon, etc.

Dickins, B., M.A. Corp.
Elrington and Bosworth Prof.

Lecturers

de Navarro, J. M., M.A. Trin.
de Navarro, Mrs. Agnes D. M., Ph.D. Newn.
Blair, P. H., M.A. Emm.
Bromwich, Mrs. Rachel S., M.A. Newn.
Chadwick, Mrs. Nora, M.A. Newn. (Early Hist. and Culture of British Isles).

Animal Pathology, v. Vet. Studies

Anthropology

Lecturers

Fortune, R. F., M.A. Emm.
Jones, G. I., M.A. Jes.
Trevor, J. C., B.Sc. Oxon., M.A., Ph.D. Emm.
Longton, P. A., M.A. Oxon. Demr.

Anthropology, Social

Fortes, M., M.A. Oxon., Ph.D. Lond., M.A. King's
William Wyse Prof.

Arabic, v. Oriental Langs.

Aramaic, v. Oriental Langs.

Archæology, v. also Classical A., Classics, Oriental Langs.

Clark, J. G. D., M.A., Ph.D., Sc.D. Pet., F.B.A. Disney Prof.

Lecturers

Burkitt, M. C., M.A. Trin.
Daniel, G. E., M.A., Ph.D. Joh.
Leach, E. R., M.A. Cla.

McBurney, C. B. M., M.A., Ph.D. King's, F.S.A.

Architecture

..... Dir., Sch. of Archit.

Lecturers

Bicknell, P., M.A. Jes.
Dyson, W. P., M.A. Trin.
Little, M. E., B.A. Manc.
Roberts, D. W., M.A. Joh.

Assistant Lecturers

Hardy, A. C.
Penn, J., M.A. Trin.

Art

Pevsner, N. B. L., C.B.E., Ph.D. Leipzig, M.A. Joh., F.S.A.
Slade Prof. of Fine Art.

Assyriology, v. Oriental Langs.

Astronomy and Experimental Philosophy

Jeffreys, Sir Harold, D.Sc. Durh., M.A. Joh., F.R.S.
Plumian Prof.

Astronomy and Geometry

Hodge, W. V. D., M.A., Sc.D. Pemb., F.R.S.
Lowndean Prof.

Astrophysics

Redman, R. O., M.A., Ph.D. Joh., F.R.S.
Prof., Dir. Observatories.
Linfoot, E. H., D.Sc. Oxon., Sc.D. Joh.
Asst. Dir., Obs., and John Couch Adams Astronomer.
Blackwell, D. E., M.A., Ph.D. Pemb.
Asst. Dir., Solar Physics Obs.
von Klüber, H., D.Phil. Berl., M.A.
Observer in Solar Magnetism.

Sr. Asst. Observers

Beer, A., Ph.D. Berl., M.A.
Yates, G. G., M.A. Jes.

Jr. Asst. Observers
Dewhirst, D. W., M.A., Ph.D. Chr.
Argue, A. N.

Biochemistry
Young, F. G., Ph.D., D.Sc. Lond., M.A. Trin. H., F.R.S., F.R.I.C. Sir W. Dunn Prof.
Needham, N. J. T. M., Sc.D. Cai., F.R.S. Sir W. Dunn Reader.
Dixon, M., Sc.D. King's, F.R.S. (Enzyme) Reader.
Gale, E. F., Sc.D. Joh., F.R.S. (Chem. Microbiol.) Reader.

Lecturers
Greville, G. D., M.A. Emm.
Perry, S. V., Ph.D. Trin.
Webb, E. C., M.A., Ph.D. Cla.
Harrison, K. P., M.A. King's.
Northcote, D. H., M.A. Down.
Bailey, K., Sc.D. Trin., F.R.S. Asst. Dir. of Res.

Demonstrators
McQuillen, K., M.A., Ph.D. Emm.
Mitchell, P. D., B.A., Ph.D. Jes.
Smith, G. H., Ph.D. Lond., M.A. Qu.

Biology
Wigglesworth, V. B., C.B.E., M.D. Cai., F.R.S. Quick Prof.

Biophysics, v. Phys. and Physiol.

Botany, v. also Agric.
Briggs, G. E., D.Sc. Lond., M.A. Joh., F.R.S. Prof.

Readers
Barker, J., M.A., Ph.D. Trin., F.R.S. (Plant Physiol.).
Godwin, H., Sc.D., Ph.D. Cla., F.R.S. (Quaternary Research).
Gilmour, J. S. L., M.A. Cla., F.L.S. Dir. of Botanic Garden.

Lecturers
Watt, A. S., B.A., Ph.D. Down. (Forest Bot.).
Evans, G. C., M.A., Ph.D. Joh. (Plant Physiol.).
Rishbeth, J., M.A., Ph.D. Chr.
Robertson, N. F., M.A. Trin.
Corner, E. J. H., M.A. Sid.
Garrett, S. D., Sc.D. Magd. (Mycol.).
Whitehouse, H. L. K., M.A , Ph.D. Qu.
Sporne, K. R., M.A., Ph.D. Down.

Demonstrators
Frost, L. C., B.A. Emm.
Coombe, D. E., M.A., Ph.D. Chr.
Weeks, D. C., M.Sc. Melb., M.A. Joh.
George, E. A., M.A. Down. Curator of Culture Colln. of Algae and Protozoa.
Walters, S. M., M.A., Ph.D. Joh. Curator of Herbarium.
Whittingham, C. P., B.A., Ph.D. Joh. Sr. Asst. in Res.
Walker, D., M.A., Ph D. Cla. Sr. Asst. in Quaternary Res.
Yeo, P. F. (Taxon.) Asst. in Res.
West, R. G., B.A. Cla. Asst. in Quaternary Res.
Younger, R. W. Tech. Officer in Botanic Garden.

Chemical Engineering, v. Engineering

Chemistry, v. also Biochem., Physical and Theoret. Chem.
Todd, Sir A. R., M.A. Chr., F.R.S. (Organic) Prof.
Emeléus, H. J., D.Sc. Lond., M.A. Sid., F.R.S. (Inorganic) Prof.
Mann, F. G., D.Sc. Lond., Ph.D., Sc.D. Trin., F.R.S., F.R.I.C. (Organic) Reader.

Lecturers
Kipping, F. B., M.A., Ph.D. Joh.
Maitland, P., Ph.D. Jes.
Palmer, W. G., D.Sc. Lond., Sc.D. Joh.

Saunders, B. C., Sc.D. Magd.
Stockdale, D., M.A., Ph.D., Sc.D. King's, F.R.I.C.
Johnson, A. W., M.A. Chr.
Maddock, A. G., M.A. Cath.
Kenner, G. W., Ph.D. Trin.H.
Harley-Mason, J., M.A. Corp.
Sharpe, A. G., M.A., Ph.D. Jes.

Demonstrators

Haszeldine, R. N., M.A., Ph.D. Qu.
Clark, V. M., M.A., Ph.D. Cai.
Sykes, P., Ph.D. Joh.
Brown, D. M., Ph.D. King's Asst. Dir. of Res.

Chemistry, Physical

Norrish, R. G. W., B.A., Ph.D., Sc.D. Emm., F.R.S., F.R.I.C. Prof.
Bowden, F. P., Ph.D., Sc.D. Cai., F.R.S. Reader.
Agar, J. N., M.A., Ph.D. Sid. Lectr.
Moelwyn-Hughes, E. A., Sc.D. Corp. Lectr.
Sugden, T. M., M.A., Ph.D. Pemb. H. O. Jones Lectr.
Ashmore, P. G., M.A., Ph.D. Emm. Lectr.
Tabor, D., Ph.D. Cai. (Friction and Lubrication) Asst. Dir. of Research.
Courtney-Pratt, J. S., Ph.D. Cai. Asst. Dir. of Res.
Thrush, B. A., M.A., Ph.D. Emm. Demr.
Christie, Margaret I., M.A., Ph.D. Newn. Asst. in Res.

Chemistry, Theoretical

Longuet-Higgins, H. C., D.Phil. Oxon., M.A. Corp. J. H. Plummer Prof.
Boys, S. F., Ph.D. Trin. Lectr.
Hall, G. G., B.Sc. Belf., M.A., Ph.D. Joh. Asst. in Res.

Chinese, v. Oriental Langs.

Classical Archæology

Toynbee, Jocelyn M. C., D.Phil. Oxon., M.A. Newn. Laurence Prof.
Cook, R. M., M.A. Cla. Laurence Reader.

Classics

Page, D. L., M.A. Oxon. and Trin. (Gk.) Reg. Prof.
Brink, C. O., M.A. Oxon. (Lat.) Kennedy Prof.
Sandbach, F. H., M.A. Trin. Brereton Reader.
Griffith, G. T., M.A. Cai (Anc. Hist.) Laurence Reader.
Lucas, D. W., M.A. King's P.M. Laurence Reader.

Lecturers

Camps, W. A., M.A. Pemb.
Chadwick, J., M.A. Corp.
Deas, H. T., M.A. Cai.
Gardner, R., M.C., M.A. Emm.
Howland, R. L., M.A. Joh.
Hutchinson, R. W., M.A. Joh.
Kirk, G. S., D.S.C., M.A. Trin. H.
Lee, A. G., M.A. Joh.
Lucas, D. W., M.A. King's.
Morrison, J. S., M.A. Trin.
Papastavrou, S. J., M.A. Pemb. (Lewis Gibson Lectr. in Mod. Gk.).
Peck, A. L., M.A., Ph.D. Chr.
Plommer, W. H., M.A., D.Phil. Oxon.
Raven, J. E., M.A. King's.
Sandbach, F. H., M.A. Trin.
Stubbings, F. H., M.A., Ph.D Emm.
Wilkinson, L. P., M.A. King's.
Woodhead, A. G., M.A. Corp.

Assistant Lecturers

Duke, Alison, M.A. Girton.
Ker, A., M.A. Oxon and Trin.
Trevaskis, J. R., M.A. Qu.
Crook, J. A., M.A. Joh.
Reynolds, Joyce M., M.A. Oxon. and Newn.

Colloid Science

Roughton, F. J. W., M.A., Ph.D. Trin., F.R.S. J. H. Plummer Prof.
Schulman, J. H., O.B.E., Sc.D. Trin. H. (Surface Chem.) Reader.
Johnson, P., Sc.D. Trin. Asst. Dir. of Res.
George, P., M.A., Ph.D. Chr. Asst. Dir. of Res.
Pethica, B. A., B.Sc., Ph.D. Lond. and Trin. H. Sr. Asst. in Res.
Lyster, R. L. J., M.A. Cath. Asst. in Res.

Coptic, v. Oriental Langs.

Criminal Science, v. Law

Czech

Auty, R., M.A. Selw. (German and Czech) Lectr.

Danish

Bredsdorff, E. L., M.A. Trin. Lectr.

Divinity, v. also Orient. Langs.

Burnaby, Rev. J., B.D. Trin. Reg. Prof.
Moule, Rev. C. F. D., M.A. Cla. Lady Margaret's Prof.
Farmer, Rev. H. H., D.D. Glas., M.A. Pet. Norris-Hulse Prof.
Sykes, Rev. N., M.A. Leeds, M.A., D.Phil. Oxon., M.A. Emm., F.B.A. (Eccles. Hist.) Dixie Prof.
Ratcliff, Rev. E. C., M.A. Oxon. and Joh. Ely Prof.

Lecturers

Ackroyd, P. R., M.A., Ph.D. Trin.
Bezzant, Rev. J. S., M.A., B.D. Oxon., B.D. Joh.
Burnaby, Rev. H., M.A. Emm.
Chadwick, Rev. H., B.D., Mus.B. Qu.
Chadwick, Rev. W. O., B.D. Trin. H.
Hart, Rev. H. St. J., B.D. Qu.
Robinson, J. A. T., M.A., Ph.D. Cla.
Rupp, E. G., B.D. Fitzw.
Sanders, Rev. J. N., M.A. Pet.
Schofield, Rev. J. N., M.A. Chr.
Stevenson, J., M.A. Down.
Styler, Rev. G. M., M.A. Corp.
Woods, Rev. G. F., M.A. Down.

Assistant Lecturers

Frend, W. H. C., M.A. Cai.
Root, H. E., B.A. Oxon., M.A. Emm.
Wiard, H. D., B.A. Manc., M.A.

Economic History, v. History, Economic

Economics and Politics

Robertson, Sir Dennis H., C.M.G., M.A. Trin., F.B.A. (Polit. Econ.) Prof.
Robinson, E. A. G., C.M.G., O.B.E., M.A. Sid. (Econ.) Prof.
Kahn, R. F., C.B.E., M.A. King's (Econ.) Prof.
Warner, W. L., A.B. Chic. (Soc. Theory) Prof.
Robinson, Mrs. Joan V., M.A. Girton Reader.
Kaldor, N., B.Sc. Lond., M.A. King's Reader.

Lecturers

Annan, N. G., O.B.E., M.A. King's.
Bauer, P. T., M.A. Cai.
Berrill, K. E., M.A. Cath.
Cohen, Ruth L., M.A. Newn.
Dennison, S. R., C.B.E., M.A. Cai.
Dobb, M. H., M.A. Trin.
Goodwin, R. M., M.A.
Guillebaud, C. W., C.B.E., M.A. Joh. Girdlers' Lectr.
Hagenbuch, W., M.A. Qu.
Henderson, R. F., M.A., Ph.D. Corp.
Hollond, Mrs. Marjorie, Ph.D. Col., M.A. Girton.
Johnson, H. G., M.A. King's.
Matthews, R. C. O., M.A. Oxon., M.A. Joh.
Prest, A. R., M.A., Ph.D. Chr.
Reddaway, W. B., M.A. Cla.

Rowe, J. W. F., M.C., M.Sc. Lond., M.A. Pemb.
Roy, A. D., M.A. Sid.
Thistlethwaite, F., M.A. Joh.
Silberston, Z. A., M.A. Cath.
Youngson, A. J., M.A. Aberd., M.A. Emm.
Sraffa, P., M.A. Trin.
Asst. Dir. of Res. in Econ.
Rostas, L., M.A.
Asst. Dir. of Res. in Econ. and Pol.

Assistant Lecturers
Farrell, M. J., B.A. Oxon., M.A. King's.
Fisher, M. R., Ph.D. King's.
Marris, R. L., M.A. King's.
Fisk, P. R.
Asst. in Statistical Res.

Economics, Applied
Stone, J. R. N., C.B.E., M.A. King's Dir. of Dept.

Education
Owst, G. R., Litt.D. Emm., F.S.A. Prof.
Thouless, R. H., Sc.D. Corp. (Educn. Psychol.) Reader.

Lecturers
Boulind, H. F., Ph.D. Lond., M.A. Cla.
Ingram, W. G., B.A. Lond., M.A. Cath.
Wileman, Margaret A., M.A. Oxon. and Girton.

Departmental Lecturers
Bradshaw, Doris, M.A. Oxon. and Girton.
Gladwell, Constance W. L., Ph.D. Lond., M.A. Newn.
Harries, S. G., M.A. Jes.
Williams, Hilda, M.A. Girton.

Egyptology v. Oriental Langs.

Engineering, v. *infra*

English, v. also Anglo-Saxon
Willey, B., M.A. Pemb., F.B.A., F.R.S.L. (Engl. Lit.) K. Ed. VII. Prof.
Lewis, C. S., M.A. Oxon. (Medieval and Renaissance Engl.) Prof.

Reader
Lucas, F. L., O.B.E., M.A. King's.

Lecturers
Bennett, Mrs. Joan, M.A. Girton.
Bradbrook, Muriel C., M.A., Ph.D. Girton.
Daiches, D., M.A., D.Phil. Oxon., Ph.D. Joh.
Davies, H. S., M.A. Joh.
Henn, T. R., C.B.E., M.A. Cath.
Hodgart, M. J. C., M.A. Pemb.
Holloway, C. J., D.Phil. Oxon.
Hough, G. G., M.A. Chr.
Leavis, F. R., B.A., Ph.D. Down.
Potts, L. J., M.A. Qu.
Redpath, R. T. H., M.A., Ph.D. Trin.
Rossiter, A. P., M.A. Jes.
Rylands, G. H. W., M.A. King's.
Welsford, Enid E. H., M.A. Newn.

Assistant Lecturers
Brockbank, J. P., M.A., Ph.D. Trin.
Krook, Mrs. Doris, Ph.D. Newn.
Northam, J. R., M.A., Ph.D. Cla.
Stevens, J. E., M.A., Ph.D. Magd.
Zeeman, Mrs. Elizabeth, M.A. Lond. and Newn.

Entomology
Thorpe, W. H., Sc.D. Jes., F.R.S. Lectr.

Enzyme Biochemistry, v. Biochemistry

Estate Management, v. Agric.

French
Harmer, L. C., M.A., Ph.D. Trin. Drapers' Prof.

Lecturers

Aston, S. C., M.A., Ph.D. Cath.
Beves, D. H., M.A. King's.
Charvet, P. E., M.A. Corp.
Combe, T. G. S., M.A. Edin. and Pemb., D. de l'U. Bordeaux.
de Mourgues, Mme Odette M. H. L., Ph.D. Girton.
Fairlie, Alison A. B., Ph.D. Girton.
Ladborough, R. W., M.A., Ph.D. Magd.
Leigh, R. A., B.A. Lond., M.A. Trin.
McFarlane, I. D., M.B.E., M.A. Cai.
Parmée, D., M.A. Qu.
Wallas, May G., M.A., Ph.D. Lond., M.A. Newn.

Assistant Lecturers

Kelly, R., B.A. Leeds, M.A. Trin. H.
Rickard, P., M.A., D.Phil. Oxon., Ph.D. Emm.
Topsfield, L. T., M.A., Ph.D. Cath. (also Provençal)

Lectors

Lambrechts, G.
Magny, Mme Claude-Edmonde, M.A. Newn.

Genetics

Fisher, Sir R. A., Sc.D. Cai., F.R.S. Arthur Balfour Prof.
Owen, A. R. G., M.A., Ph.D. Trin. Lectr.
Brandt, Jane, M.Sc. Birm. Asst. in Res.
Wallace, Mrs. Margaret E., M.A. Girton Demr.

Geodesy and Geophysics

Browne, B. C., M.A. Trin. (Exper. Geophys.) Reader.
Stoneley, R., Sc.D. Pemb., F.R.S. (Theoret. Geophys.) Reader.
Jackson, J. E., M.A. Joh. (Geod.) Lectr.
Runcorn, S. K., Ph.D. Manc., M.A. Cai. (Geophys.) Asst. Dir. of Res.
Hill, M. N., M.A., Ph.D. King's Asst. Dir. of Res.

Geography

Steers, J. A., M.A. Cath. Prof.

Lecturers

Caesar, A. A. L., M.A. Cath.
Farmer, B. H., M.A. Joh.
Grove, A. T., M.A. Cath.
Mitchell, Jean B., M.A. Newn.
Steers, Mrs. Harriet G., M.A. Girton.
Williams, W. W., M.A. Fitzw.
Lewis, W. V., M.A. Trin.
Ovey, C. D., B.Sc. Lond., M.A. Joh.
Sparks, B. W., M.A. Jes.

Demonstrators

Morgan, M.A., B.A. Cath.
Paterson, J. H., M.A. Cath.
Wood, D. P. J, M A., Ph D. Fitzw.

Assistant Lecturer

Smith, C. T., M.A. Cath.

Geology, v. also Mineralogy

King, W. B. R., O.B.E., M.C., Sc.D. Magd., F.R.S. Woodwardian Prof.
Bulman, O. M. B., Ph.D., Sc.D. Sid., F.R.S. (Palæozool.) Reader.
Brighton, A. G., M.A. Chr. Lectr. and Curator of Sedgwick Museum.
Black, M., M.A. Trin. Lectr.
Harland, W. B., M.A. Cai. Lectr.
Hughes, N. F., M.A. Qu. Lectr.
Hey, R. W., M.A., Ph.D. Trin. Demr.
Moseley, F., Ph.D. Sheff., F.G.S. Demr.
Forbes, C. L., M.A., Ph.D. Cla. Asst. Curator of Sedgwick Museum.

Geophysics, v. Geodesy

German

Bruford, W. H., M.A. Joh. Schröder Prof.

Lecturers

Auty, R., M.A. Selw. (and Czech).
Blackall, E. A., M.A. Cai.
Gray, R. D., M.A., Ph.D. Emm.
Green, D. H., M.A. Trin.
Jones, T. D., M.A. Jes.
Knight, A. H. J., M.A. Trin.
Stopp, F. J., M.A. Emm.
Trevelyan, C. H., M.A. King's.
Stern, J. P., M.A., Ph.D. Joh. Asst. Lectr.

Lector

Dellers, W.

Hebrew, v. Oriental Langs.

History

Bishop, T. A. M., M.A. Joh. (Palæog. and Diplomatic) Reader.

Lecturers

Behrens, Catherine B. A., M.A. Oxon. and Newn.
Bennett, R. F., M.A. Magd.
Brock, W. R., M.A., Ph.D. Selw. (American Hist.)
Brooke, C. N. L., M.A. Cai.
Bury, J. P. T., M.A. Corp.
Checkland, S. G., M.Com. Birm., M.A. Magd.
Crawley, C. W., M.A. Trin. H.
Elton, G. R., M.A. Cla.
Evennett, H. O., M.A. Trin.
Fisher, D. J. V., M.A. Jes.
Gallagher, J., M.A. Trin. (Colonial Studies).
Grierson, P., M.A. Cai.
Hall, A. R., M.A., Ph.D. Chr. (Hist. of Science).
Hibbert, A. B., M.A. King's.
Hinsley, F. H., M.A. Joh.
Laslett, T. P. R., M.A. Trin.
Lindsay, Mrs. Jean O., M.A., Ph.D. Girton.
McDonald, A. H., Ph.D. Cla. (Anc. Hist.).
Mack Smith, D., M.A. Pet.
Miller, E., M.A. Joh.
Morris, G. C., M.A. King's
Pickthorn, K. W. M., Litt.D. Corp., M.P.
Plumb, J. H., Ph.D. Chr.
Purcell, V. W. W. S., Litt.D. Trin.
Robinson, R. E., M.A., Ph.D. Joh.
Saltmarsh, J., M.A. King's, F.S.A.
Smail, R. C., M.B.E., M.A., Ph.D. Sid.
Thomson, D., M.A., Ph.D. Sid.
Ullmann, W., M.A. Trin.
White, R. J., M.A. Down.
Wilson, C. H., M.A. Jes.
Wormald, Rev. B. H. G., M.A. Pet.

Assistant Lecturer

Street, J., M.A., Ph.D. Emm. (Latin-American Studies).

History, Ancient, v. also Classics

Jones, A. H. M., M.A. Oxon. and Jes., F.B.A. Prof.

History and Institutions, American

Brebner, J. B., M.A., B.Litt. Oxon., M.A. Joh. Pitt Prof.

History, Constitutional

Kitson Clark, G. S. R., Litt.D. Trin. Reader.

History, Eccles., v. Divinity

History, Economic

Postan, M. M., M.Sc. Lond., M.A. Pet. Prof.

History, Far Eastern, v. Oriental Langs.

History, Imperial and Naval

Rich, E. E., M.A. Cath. Vere Harmsworth Prof.

History, Islamic, v. Oriental Langs.

History, Mediæval

..... Prof.

History, Modern

Knowles, Rev. M. C., Litt.D. Pet., F.B.A., F.S.A. Reg. Prof.

Butterfield, H., M.A. Pet. Prof.

History, Near Eastern, v. Oriental Langs.

History of the British Commonwealth

Mansergh, P. N. S., O.B.E., B.Litt., M.A., D.Phil. Oxon., Ph.D. Joh. Smuts Prof.

Human Ecology, v. Medicine

Indian Studies, v. Oriental Langs.

Industrial Relations

Kirkaldy, H. S., LL.B. Edin., M.A. Qu. Montague Burton Prof.

Iranian Studies, v. Oriental Langs.

Italian

Vincent, E. R. P., C.B.E., D.Phil. Oxon., Litt.D. Corp. Prof.

Reynolds, Barbara, B.A., Ph.D. Lond., M.A. Girton Lectr.

Foster, F. S., M.A., Ph.D. Chr. Lectr.

Limentani, U., M.A Corp. Lectr.

Brand, C. P., M.A , Ph.D. Trin. H. Asst. Lectr.

Roatta, Camilla Lector.

Japanese, v. Oriental Langs.

Latin, Mediæval

Brittain, F., Litt.D. Jes. Lectr.

Law, v. *infra*

Logic, v. Philosophy

Mathematical Laboratory

Wilkes, M. V., M.A., Ph.D. Joh. Dir.

Miller, J. C. P., M.A., Ph.D. Trin. Asst. Dir. of Res.

Haselgrove, C. B., M.A. King's Sr. Asst. in Res.

Renwick, W., M.A. Sr. Asst. in Res.

Mutch, E. N., B.Sc. Lond., M.A. Tech. Officer.

Mathematics, v. also Physics

Dirac, P. A. M., Ph.D. Joh., F.R.S. Lucasian Prof.

Hall, P., M.A. King's, F.R.S. (Pure M.) Sadleirian Prof.

Besicovitch, A. S., D.Sc. Lond., M.A. Trin., F.R.S. Rouse Ball Prof.

Ingham, A. E., M.A. King's, F.R.S. (Math Analysis) Reader.

Lecturers

Anscombe, F. J., M.A. Trin.

Babbage, D. W., O.B.E., M.A., Ph.D. Magd.

Batchelor, G. K., Ph.D. Trin.

Buneman, O., Ph.D. Manc., M.A. Pet.

Burkill, J. C., Sc.D. Pet., F.R.S.

Cartwright, Mary L., Sc.D. Girton, F.R.S.

Cassels, J. W. S., Ph.D. Trin.

Daniels, H. E., M.A. Cla.

Eggleston, H. G., Sc D. Trin.

Friedlander, F. G., B.A., Ph.D. Trin.

Grimshaw, Margaret E., M.A. Newn.

Hamilton, J., Ph.D. Manc., M.A. Chr.

Hilton, P. J., Ph.D. Pemb.

Hoyle, F., M.A. Joh.

Lindley, D. V., M.A. Trin.

Lyttleton, R. A., M.A., Ph.D. Joh. Stokes Lectr.

Pars, L. A., M.A. Jes.

Pople, J. A., M.A., Ph.D. Trin.

Powell, F. C., M.A., Ph.D. Cai.

Rees, D., M.A. Down.

Salam, A., B.A., Ph.D. Joh.

Smithies, F., B.A., Ph.D. Joh.

Steen, S. W. P., M.A. Chr.

Taunt, D. R., M.A., Ph.D. Jes.

Todd, J. A., B.A., Ph.D. Trin., F.R.S. Cayley Lectr.

Ursell, F., M.A. King's

Ward, A. J., B.A., Ph.D. Emm.

White, F. P., M.A. Joh.

Wylie, S., M.A. Oxon., M.A. Trin. H.

Assistant Lecturers
Cox, D. R., M.A. Joh.
Proudman, I., Ph.D. Trin.
Lapwood, E. R., M.A., Ph.D. Joh.

Medicine and Surgery, v *infra*

Metallurgy
Austin, G. W., M.A. Trin. H. Goldsmiths' Prof.
Hoar, T. P., M.A., Ph.D. Sid. Lectr.
Nutting, J., B.Sc. Leeds, M.A. Trin. H. Lectr.
Smith, G. C., M.A. Pemb. Lectr.

Mineralogy and Petrology
Tilley, C. E., Ph.D. Emm., F.R.S. Prof.

Lecturers
Wooster, W. A., Sc.D. Pet.
Nockolds, S. R., Ph.D. Trin.
Evans, R. C., M.A., Ph.D. Cath.
Henry, N. F. M., Ph.D. Joh.
Agrell, S. O., Ph.D. Trin. H. Lectr. and Curator.

Demonstrators
Gay, P., M.A., Ph.D. Sid.
McLaughlin, R. J. W., Ph.D. Sid.
Muir, I. D., B.A., Ph.D. Joh.
Smith, J. V., M.A., Ph.D. Cai.
Scoon, J. H., B.Sc. Lond. Asst. in Research.

Moral Science, v. Philosophy

Music
Hadley, P. A. S., Mus.D. Cai. Prof.

Lecturers
Dart, R. T., M.A. Jes.
Middleton, H. S., Mus.D. Trin.
Ord, B., M.A., Mus.B. King's, F.R.C.O.
Orr, R. K., Mus.D. Joh.
Radcliffe, P. F., M.A., Mus.B. King's.
Tranchell, P. A., M.A., Mus.B. King's.

Assistant Lecturer
Guest, G. H., M.A., Mus.B. Joh.

Mycology, v. Botany, Agric.

Norwegian
Popperwell, R. G., M.A., Ph.D. King's Lectr.

Oriental Langs., v. *infra*

Palæozoology, v. Geology

Parasitology
Tate, P., Sc.D. Chr. Reader and Dir. of Molteno Inst.

Pathology, v. Medicine

Persian, v. Oriental Langs.

Petrology, v. Mineralogy

Pharmacology, v. Medicine

Philology, Comparative
Jopson, N. B., M.A. Joh. Prof.

Philosophy
Wisdom, A. J. T. D., M.A. Trin. Prof.
Ewing, A. C., Litt.D. Trin. H. Reader.

Philosophy, Ancient
Guthrie, W. K. C., M.A. Pet. Laurence Prof.

Philos., Moral, v. also Psychol.
Braithwaite, R. B., M.A. King's Knightbridge Prof.
Lewy, C., M.A., Ph.D. Trin. Lectr.
Hanson, N. R., M.A. Joh. (Philos. of Science) Lectr.
Thomson, J. F., B.A. Lond., M.A. Lectr.

Philos., Natural
Frisch, O. R., O.B.E., D.Sc., D.Phil. Vienna, M.A. Trin., F.R.S. Jacksonian Prof.

Physics, v. also Philos., Nat.

Mott, N. F., D.Sc. Louvain and Gren., M.A. Cai., F.R.S. (Exper. P.) Cavendish Prof.

Hartree, D. R., M.A., Ph.D. Chr., F.R.S. (Math. P.) J. H. Plummer Prof.

Taylor, W. H., M.A. Trin. (Crystallog.) Reader.

Ratcliffe, J. A., O.B.E., M.A. Sid., F.R.S. Reader.

Shire, E. S., M.A. King's Reader.

Shoenberg, D., B.A., Ph.D. Trin., F.R.S. Reader.

Lecturers

Ashmead, J., M.A., Ph.D. Trin.

Clemmow, P. C., M.A., Ph.D. Sid. (Theoret. Electro-Dynam. and Radio).

Cochran, W., M A. Trin. H.

Cosslett, V. E., M.A. Oxon., Ph.D. Brist., M.A. Pemb.

French, A. P., M.A., Ph.D. Pemb.

Horton, Mrs. Ann C., D.Sc. Lond., M.A. Newn.

Kempton, A. E., M.A., Ph.D. Chr.

Perutz, M. F., Ph.D. Pet., F.R.S. (Biophys)

Pippard, A. B., M.A., Ph.D. Cla.

Ryle, M., M.A. Trin., F.R.S.

Scott, J. M. C., M.A. King's (Theoret. Phys.).

Budden, K. G., M.A., Ph.D. Joh.

Wilkinson, D. H., M.A., Ph.D. Jes.

Wormell, T. W., M.A., Ph.D. Joh. (Meteorol. Phys.).

Ziman, J. M., B.A. Oxon.

Assistant Directors of Research

Hewish, A., M.A., Ph.D. Cai. (Radioastron.)

Megaw, Helen D., M.A., Ph.D. Girton (Crystallog.).

Townsend, A. A., Ph.D. Emm. (Exp. Fluid Mech.).

Weekes, K., M.A., Ph.D. Magd. (Radiophys.).

Demonstrators

Briggs, B. H., M.A., Ph.D. Cla.

Faber, T. E., M.A., Ph.D. Corp.

Smith, F. G., M.A., Ph.D. Down.

Smith, K. F., M.A., Ph.D. Sid.

Pierce, E. T., Ph.D. Cai. (Meteorol., Phys.) Sr. Asst. in Res.

Bradfield, J. R. G., M.A., Ph.D. Trin. (Electron Microscopy) Asst. in Res.

Thomas, J. O., B.Sc. Wales, M.A. (Radiophys.) Asst. in Res.

Physiology, v. also Agric.

Matthews, Sir B. H. C., C.B.E., Sc.D. King's, F.R.S. Prof.

Readers

Adair, G. S., M.A. King's, F.R.S. (Biophys.).

Rushton, W. A. H., Ph.D., Sc.D. Trin., F.R.S.

Willmer, E. N., Sc.D. Cla. (Histol.).

Lecturers

Keynes, R. D., M.A., Ph.D. Pet.

Campbell, F. W., Ph.D., M.B., Ch.B. Glas., M.A. Qu.

Pratt, C. L. G., O.B.E., M.D. Liv., M.A. Chr. (Mammalian P.).

Tunnicliffe, H. E., M.A. Cai.

Huxley, A. F., M.A. Trin. Asst. Dir. of Res.

Brindley, G. S., M.A., M.B., B.Chir. Down. Demr.

Clarke, E. W., B.Sc., M.B., Ch.B. Birm. Demr.

Lewis, P. R., B.A. Oxon., M.A. Demr.

Barlow, H. B., M.A., M.B., B.Chir. Trin. Demr.

Winfield, R. H., M.A., M.B., B.Chir. Joh. Demr.

Polish

Lewitter, L. R., M.A., Ph.D. Chr. Lectr.

Political Science

Brogan, D. W., M.A. Glas., Oxon. and Pet. Prof.

Portuguese

Waldron, T. P., B.A. Lond. (also Spanish) Lectr.

Provençal

Topsfield, L. T., M.A., Ph.D. Cath. (also French) Asst. Lectr.

Psychology, Exper., v. also *infra* Med.—Psychol., Clin.

Zangwill, O. L., M.A. Oxon. and King's Prof.
Hick, W. E., M.D. Durh. Reader.
Grindley, G. C., B.Sc. Brist., M.A. Lectr.
Watson, A. J., B.A. Oxon. Lectr.
Welford, Rev. A. T., M.A. Joh. Lectr.
Gregory, R. L., M.A. Down. Demr.

Psychology, Industrial

Chambers, E. G., M.A. Cla. Asst. Dir. of Res.

Quaternary Research, v. Botany

Rabbinics, v. Oriental Langs.

Radiochemistry, v. Chemistry

Radiophysics, v. Physics

Radiotherapeutics, v. Medicine

Sanskrit, v. Oriental Langs.

Scandinavian Studies

Downs, B. W., M.A. Chr. Prof.

Slavonic Studies

Hill, Elizabeth M., Ph.D. Lond., M.A. Girton Prof.
Auty, R., M.A. Selw. (German and Czech) Lectr.
Sands, E. R., M.A. Emm. Lectr.
Young, W. I. H. S., M.A. Magd. Lectr.
Squire, P. S., M.A. Chr. (Russian) Lectr.
Andreyev, N., Ph.D. Prague, M.A. Asst. Lectr.
Vlasto, A. P., M.A., Ph.D. King's Asst. Lectr.

Soil Physics, v. Agric.

Spanish

Wilson, E. M., M.A., Ph.D. Emm. Prof.

Lecturers

Bullock, T. W. I., M.A. Qu.
Grant, Mrs. Helen F., M.A. Girton.
Macdonald, Inez I., M.A., Ph.D. Newn.
Milburn, A. R., M.A. King's (and Portuguese)
Waldron, T. P., B.A. Lond. (and Portuguese)
Batista i Roca, J. M., M.A. Asst. Lectr.

Statistics

Wishart, J., M.A. Cla. and Edin., D.Sc. Lond. Reader, Dir. of Statistical Lab.

Swedish

Mortensen, Brita M. E., M.A. Newn. Lectr.

Theology, v. Divinity

Tibetan, v. Oriental Langs.

Veterinary Medicine, v. Veterinary Studies, *infra*

Zoology, v. also Animal Path., Entom.

Gray, Sir J., C.B.E., M.C., D.Sc. Aberd., Sc.D. King's, F.R.S. Prof. of Zool. and Dir. Sub-Dept. of Exper. Zool.
Pantin, C. F. A., M.A., Sc.D. Trin., F.R.S. (Invertebrate Z.) Reader.

Lecturers

Carter, G. S., M.A., Ph.D. Corp.
Cott, H. B., D.Sc. Glas., Sc.D. Selw., also Curator of Vertebrates and Strickland Curator, Museum of Zool.
Hollick, F. S. J., M.A., Ph.D. Joh.
Parrington, F. R., M.A. Sid., also Dir. of Museum of Zool.

Pringle, J. W. S., M.B.E., M.A. Pet., F.R.S.
Pryor, M. G. M., M.A., Ph.D. Trin.
Ramsay, J. A., M.A., Ph.D. Qu. Harding Lectr.
Salt, G., B.Sc. Alta., Sc.D. Harv., Sc.D. King's
Smart, J., D.Sc. Edin., M.A. Cai., also Curator of Insects, Museum of Zool.
Smith, S., M.A., Ph.D. Cath.

Asst. Directors of Research

Brown, R. H. J., M.A., Ph.D. King's.
Lissmann, H. W., M.A. Hamburg, M.A.
Picken, L. E. R., Sc.D. Jes.
Rothschild, Lord, G.M., Sc.D. Trin., F.R.S.

Demonstrators

Goodhart, C. B., M.A., Ph.D. Cai., also Asst. Curator of Museum of Zool.
Hughes, G. M., M.A., Ph.D. Magd.
Parry, D. A., Ph.D. King's.
Bainbridge, R., Ph.D. Lond., M.A. Jes.

Agriculture

v. also Biology

Engledow, Sir F. L., C.M.G., M.A. Joh., F.R.S. Drapers' Prof.
Mansfield, W. S., C.B.E., M.A. Emm. Dir. of Univ. Farm.

Lecturers

Brookes, A. J., M.A. Selw.
Dickinson, S., M.Sc. Wales, Ph.D. Minn., M.A. Emm. (Mycol.).
Evans, R. E., Ph.D. Cai.
Barker, M. G., M.A. Trin. (Agric. Implements and Machin.)
Gilmour, D. G., M.A., Ph.D. Cath.
Jones, F. G. W., M.A. Jes.
Leach, R., B.A. Leeds, M.A. Emm.
Line, J., A.F.C., M.A. Emm. (Agric. Bot.)

Demonstrators

Colling, A. W., B.Sc. Durh., M.A.
Halley, R. J., B.Sc. R'dg.
Irvine, D. E. G., B.Sc. St. And.
Kirkham, K. E., B.Sc. Birm., M.A. Fitzw.
Lazenby, A., M.Sc. Wales, M.A.
McAleese, D. M., B.Sc., B.Ag. Belf.
Perrin, R. M. S., M.A. King's.
Ridgman, W. J., M.A. Qu.
Whitear, J. D., B.Sc. R'dg., M.A.
Sturrock, F. G., B.Sc. Glas., M.A. Trin. Assoc. Lectr.

Agric. Econ. and History

Whetham, Edith H., M.A. Newn. Gilbey Lectr.

Agric. Engineering

Palmer, J., M.Sc. Durh., M.A. Asst. in Res.

Animal Nutrition

Woodman, H. E., M.A. Down. Reader.
Holton, F. A., M.A. Trin. Demr.

Animal Physiology

Brush, M. G., B.Sc. Edin.

Crop Husbandry

Hanley, F., M.A. Joh. Reader.

Estate Management

Dean, N., M.A. Trin. H. Dir.

Lecturers

Denman, D. R., Ph.D. Lond., M.A. Chr.
Elgar, W. H., M.Eng. Sheff., M.A. Down.
Macintyre, D., M.A. Trin.
Switzer, J. F. Q., M.A. Sid. Asst. Lectr.
McLeod, D. A. G., M.A. Cath. Demr.
Elkerton, R. W.

Forestry

Thompson, C. H., M.A. Qu. Gurney Lectr.

Soil Microbiology

Tribe, H. T., B.Sc. Lond. Asst. in Res.

Soil Physics

Childs, E. C., Sc.D. Cla. Asst. Dir. of Res.

Soil Science

Nicholson, H. H., M.A. Selw. Reader.

Engineering

Baker, J. F., O.B.E., D.Sc. Leeds and Wales, Sc.D. Cla. (Mechanical Sciences) Prof. and Hd. of Dept. of Engin.

Hawthorne, W. R., M.A. Trin. (Appl. Thermodyn.) Hopkinson and I.C.I. Prof.

Moullin, E. B., M.A. Oxon., Sc.D. King's (Electr. Engin.) Prof.

Reader

Tipper, Mrs. Constance F., Sc.D. Newn.

Lecturers

Angus, R. H., M.A. Sid.
Binnie, A. M., M.A. Trin.
Bishop, R. E. D., M.A. Pemb.
Brookes, A. M. P., M.A. Joh.
Brooks, J. H., M.A. Cath. (also Supt. of Engin. Workshops).
Charlton, T. M., B.Sc. Lond.
Cohen, H., M.A. Cath.
Cooper, B., M.A. Cla.
Cosens, C. R. G., M.A. King's.
Davies, R. D., M.A., Ph.D. Chr.
Deakin, C. S., M.A. Qu.
Dykes, P. de K., M.A. King's.
Fox, E. N., M.A. Trin.
Frankl, E. K., M.A. Trin. H.
Hammond, P., M.A. Emm.
Harris, H. S. L., M.A. Joh.
Haywood, R. W., M.A. Fitzw.
Johnson, D. C., M.A. Trin. H.
Lubbock, R., M.A. Pet.
MacLellan, G. D. S., M.A., Ph.D. Pemb.
Macmillan, R. H., M.A. Emm.
Marples, D. L., M.A. Trin. H.
Middleton, G. E., M.A. Down.
Oatley, C. W., M.A. Trin.
Parkes, E. W., M.A., Ph.D. Joh.
Pascoe, K. J., M.A. Joh.
Percival, A. L., M.A. Jes.
Phear, H. W., M.A. Cai.
Rhoden, H. G., M.A. Joh.
Robinson, F. D., M.A. Cla.
Roscoe, K. H., M.C., M.A. Emm.
Sander, K. F., M.A, Ph.D. Trin.
Shaw, J. C. S., M.A. Corp.
Weck, R., Ph.D. Cla.
Welbourn, D. B., M.A. Emm.
Womersley, W. D., M.A. Emm.
Yates, J. G., M.A. Trin.
Horne, M. R., M.A., Ph.D. Joh. Asst. Dir. of Res.
Coales, J. F., M.A. Sid. Asst. Dir. of Res.

Demonstrators

Chilver, A. H., B.Sc., Ph.D. Brist.
Grigson, C. W. B., M.A. Trin.
Heyman, J., M.A., Ph.D. Pet.
Horlock, J. H., M.A. Joh.
Johnson, K. L., M.Sc. Manc.
Livesley, R. K., M.A. Joh.
Reddaway, J. L., M.A. Corp.
Shercliff, J. A., M.A. Trin.
Wyatt, O. H., M.A., Ph.D. Chr.

Aeronautics

Mair, W. A., M.A. Down. (A. Engin.) F. Mond Prof.
Head, M. R., B.A., Ph.D. King's Lectr.
Preston, J. H., M.A. Joh. Lectr.

Chemical Engineering

Fox, T. R. C., M.A. King's Shell Prof.

Lecturers

Denbigh, K. G., M.A. Cai.
Sellers, E. S., M.A. Cath.

Demonstrators

Armstrong, W. D., M.A. Chr.
Davidson, J. F., M.A., Ph.D. Trin.
Gray, P., M.A., Ph.D. Cai.

Law

Hamson, C. J., M.A., LL.M. Trin. (Comparative L.) Prof.

Jackson, R. M., LL.D. Joh. (Public L. and Admin.) Reader.
Radzinowicz, L., LL.D. Trin. (Criminal Sci.) Dir. of Dept.

Lecturers

Armitage, A. Ll., M.A., LL.B. Qu.
Ashton-Cross, D. I. C., B.L. Edin., M.A. Joh.
Barnes, H., M.A., LL.B. Jes.
Dias, R. W. M., M.A., LL.B. Trin. H.
Ellis Lewis, T., Ph.D. Trin. H.
Gooderson, R. N., M.A. Cath.
Jennings, R. Y., M.A., LL.B. Jes.
King, B. E., M.A., LL.B. Pemb.
Lipstein, K., Ph.D. Trin.
Milsom, S. F. C., M.A. Trin.
Odgers, F. J., M.A., LL.B. Emm.
Parry, C., M.A., LL.B. Down.
Prichard, M. J., M.A., LL.B. Cai.
Scott, K., M.A., LL.B. Joh.
Thomas, T. C., M.A., LL.B. Trin. H.
Thornely, J. W. A., M.A. Sid.
Wade, H. W. R., M.A. Trin.
Whalley-Tooker, H. C., M.A. Oxon., M.A., LL.M. Down.

Assistant Lecturers

Lauterpacht, E., M.A., LL.B. Trin.
Wedderburn, K. W., M.A., LL.B. Cla.
Yale, D. E. C., M.A., LL.B. Chr.

Law, Civil

Duff, P. W., M.A. Trin. Reg. Prof.

Law, English

Bailey, S. J., M.A., LL.M. Joh. Rouse Ball Prof.

Law, International

Lauterpacht, H., Q.C., LL.D. Lond., Dr. Jur., Dr. Sc.Pol. Vienna, LL.D. Trin., F.B.A. Whewell Prof.

Laws of England

Wade, E. C. S., LL.D. Cai. Downing Prof.

Medicine

(For Anat., Physiol., v. *supra*)

Human Ecology

Banks, A. L., M.D. Lond., M.A. Cai., F.R.C.P. Prof.
Rook, Sir A. F., K.B.E., C.B., M.A. Cath., F.R.C.P. Sr. Health Service Officer.
May, L. H. H., M.A., M.B., B.Chir. Trin. Jr. Health Service Officer.
Davy, B. W., M.D. Lond., M.A. Qu. Jr. Health Service Officer.
..... Statistician.
Hollingsworth, T. H., B A. King's Asst. in Res.
Malcolm, A. R., Supdt. of Phys. Trg.

Medicine

Whitby, Sir Lionel, C.V.O., M.C., Chev. Lég. d'H., M.D. Down., F.R.C.P. (Physic) Reg. Prof.
Hayhoe, F. G. J., M.D. Trin. H. Lectr.

Associate Lecturers

Berridge, F. R., M.A., M.B., B.Chir. Trin. (Radiol.).
Bottomley, Janet E., M.D. Lond., M.A. Girton, F.R.C.S. (Obstet. and Gynæcol.).
Butler, R. W., M.D., M.Chir. Trin., F.R.C.S. (Orthop. Surg.).
Cole, L. B., M.D. King's, F.R.C.P. (Physic).
Davies, E.B., M.D. Cla. (Psychiat.).
Dick, A. P., M.D. Trin. H. (Physic)
Donnelly, B., D.M.R. Lond. (Radiol.).
Fairbank, T. J., M.A., M.B., B.Chir. Trin., F.R.C.S. (Orthop. Surg.).
Fell, W. A., M.A., M.B., B.Chir. Sid. (Physical Med.).

Gairdner, D. M. T., D.M. Oxon., M.A. King's (Pædiatrics).
Ghey, P. H. R., M.Chir., M.A. Joh., F.R.C.S. (Surg.).
Lloyd, O., M.D. Lond., M.A., F.R.C.S. (Obstet. and Gynæcol.).
Martin, L. C., M.D. Cai., F.R.C.P. (Physic).
Noble, R. A., M.B., Ch.M. Syd., M.A. King's (Psychiat.).
Parish, C., M.B., Ch.B. Manc., F.R.C.S. (Thoracic Surg.).
Recordon, E. G., M.D. Joh. (Ophthalmol.).
Rouillard, L. M., F.R.C.S.Ed. (Plastic Surg.).
Truscott, B. M., M.B., B.S. Lond., M.A. Down., F.R.C.S. (Surg.).
Walford, A. S. H., M.A., M.B., B.Chir. Cai., F.R.C.S. (Otolaryngol.).
Whittle, C. H., M.D. Qu., F.R.C.P. (Dermatol.).
Wilsdon, K. F., B.M., B.Ch., M.A. Oxon., M.A. Pemb., F.R.C.S.Ed. (Otolaryngol.).
Wright, G. F., M.A., M.B., B.Chir. Corp. (Ophthalmol.).
Wild, F., M.A., Ph.D. Down., F.R.I.C. Res. Chemist.

Medicine, Experimental

McCance, R. A., M.D. Sid., F.R.C.P., F.R.S. Prof.
Robinson, J. R., M.D. Emm. Asst. Dir. of Research.

Mental Pathology, v. Psychol. Clin.

Morbid Histology

Williamson, R., M.D. Manc., M.A. Cla. Reader.

Pathology

Dean, H. R., D.M. Oxon., M.D. Trin. H. Prof.
Greaves, R. I. N., M.D. Cai. (Bacteriol.) Reader.
Herbertson, B. M., M.A. Magd. Lectr.
McCullagh, G. P., M.D. Belf., M.A. Qu. Lectr.
Naylor, G. R. E., M.A., M.B., B.Chir. Cai. Lectr.
Roberts, G. F., M.D. Jes. Lectr.
Beswick, T. S. L., M.A., M.B., B.Chir. Trin. H. Demr.
Gresham, G. A., M.A., M.B., B.Chir. Cai. Demr.
Waterson, A. P., M.D. Emm. Demr.
Barrett, A. M., M.A., M.B., B.Chir. Pemb.
Univ. Morbid Anatomist and Histologist to Addenbrooke's Hosp.
Gleeson-White, M. H., M.B., B.S. Lond., M.A. Trin. H.
Univ. Bacteriologist to Addenbrooke's Hosp.
Lawrie, N. R., Ph.D. Emm.
Univ. Biochemist to Addenbrooke's Hosp.
Fry, R. M., M.A. Trin. H.
Univ. Dir. of Public Health Lab. Service.
Boissard, Joan M., M.A. Girton
Univ. Asst. Dir. of Public Health Lab. Service.
Parker, R. A., M.B., B.S. Lond.
Univ. Asst. Pathologist to Addenbrooke's Hosp.
Marks, J., M.B., B.S. Lond., M.A. Down.
Univ. Asst. Pathologist to Addenbrooke's Hosp.
Coombs, R. R. A., Ph.D. King's Asst. Dir. of Res.

Pathology, Chemical

Dixon, K. C., M.A., Ph.D., M.B., B.Chir. King's Lectr.

Pathology, Special

Stoker, M. G. P., M.D. Cla. Huddersfield Lectr.

Pharmacology

Verney, E. B., M.A., M.B., B.Chir Down., F.R.C.P., F.R.S. Sheild Prof.

Howarth, F., M.D. Manc., M.A. Down. Lectr.
Grundy, H. F., M.A., M.B., B.Chir. Trin. H. Demr.

Psychology, Clinical

Russell-Davis, D., M.D. Cla. Reader.

Radiotherapeutics

Mitchell, J. S., C.B.E., M.A., Ph.D., M.B., B.Chir. Joh., F.R.S. Prof.
Marrian, D. H., Ph.D. Cai. Asst. Dir. of Res.
Allen-Williams, D. J. F., M.A., Ph.D. Cla. Physicist with sp. ref. to the application of Electronics to Radiotherapy.
Smith, C. L., M.A., Ph.D. Sid. Physicist with sp. ref. to the applicns. of high-voltage apparatus to Radiotherapeutics.
Simon-Reuss, Mrs. Irmelin, M.Sc. Newn. Asst. in Res.

Oriental Languages

Altaic Languages

Sinor, D., M.A. Lectr.

Arabic

Arberry, A. J., Litt.D. Pemb., F.B.A. Sir T. Adams's Prof.
Lyons, M. C., B.A. Pemb. Asst. Lectr.
Sayigh, T. Lector.

Aramaic

Goodman, A. E., M.A. Cai. Lectr.

Assyriology

..... Eric Yarrow Lectr.

Chinese

Pulleyblank, E. G., B.A. Alta., Ph.D. Lond., M.A. Prof.
Davis, A. R., M.A. Pet. (Classical C.) Lectr.
Halliday, M. A. K., B.A. Lond., M.A. Pemb. Asst. Lectr.
Chang, H.-C. (Mod. C.). Lector.

Coptic

Plumley, J. M., M.A. King's Assoc. Lectr.

Egyptology

Glanville, S. R. K., M.B.E., M.A. Oxon. and King's, F.B.A., F.S.A. Herbert Thompson Prof.
Smith, H. S., B.A. Chr. Asst. Lectr.

Far Eastern Art and Archæology

Cheng, T.-K., M.A. Lectr.

Far Eastern History

van der Loon, P., M.A. King's Lectr.

Hebrew

Thomas, D. W., M.A. Oxon., M.A. Cath. Reg. Prof.
Rosenthal, E. I. J., M.A. Lectr.

Indian Studies (Art and Archæology)

van Lohuizen, Mrs. Johanna E., Ph.D. Leiden, M.A. Girton.

Iranian Studies

Gershevitch, I., M.A. Lectr.

Islamic History

Dunlop, D. M., B.A. Oxon., M.A. Trin. H. Lectr.

Japanese

Ceadel, E. B., M.A. Chr. Lectr.
McEwan, J. R., M.A., Ph.D. King's (Hist.) Lectr.
Honda, M. Lector.

Near Eastern History

Munn-Rankin, Joan M., B.A. Oxon., M.A. Newn. Lectr.

Persian

Levy, R., Litt.D. Chr. Prof.
Wickens, G. M., M.A. Trin. Lectr.

Rabbinics

Teicher, J. L., Ph.D. Florence, M.A. Lectr.

Sanskrit

Bailey, H. W., D.Phil. Oxon., M.A. Qu., F.B.A. Prof.
Smith, R. M., M.A. Pemb. Lectr.

Semitic Epigraphy

Diringer, D., M.A. Lectr.

Tibetan

Bailey, D. R. S., M.A. Cai. Lectr.

Veterinary Studies

Animal Health

Matthews, H. T., M.A. Down., F.R.C.V.S. Reader.
Bridge, P. S., B.Sc. Edin., M.A. Emm. Lectr.

Animal Pathology

Beveridge, W. I. B., D.V.Sc. Syd., M.A. Jes. Prof.

Lecturers

Jennings, A. R., M.V.Sc. Liv., M.A.
Morgan, D. O., M.Sc. Wales, Ph.D. Lond., M.A.
Soltys, M. A., Ph.D. Edin.
Soulsby, E. J. L., D.V.S.M. Edin.
Betts, A. O., M.A., Ph.D. Magd. Demr.
Chu, H. P., Ph.D. Trin. Asst. Dir. of Res.
Elliott, S. D., M.D. Lond., M.A. Cath. Asst. Dir. of Res.

Animal Surgery

Hickman, J., M.A. King's, F.R.C.V.S. Reader.

Applied Anatomy

Cross, B. A., M.A., Ph.D. Joh. Demr.

Physiol. of Animal Reproduction

Mann, T. R. R., Sc.D. Trin. H. Reader.

Veterinary Anatomy

Green, R. A., Ph.D. Joh. Lectr.
Silver, I. A., M.A. Corp. Demr.

Veterinary Clinical Studies

Pugh, L. P., B.Sc. Lond., M.A. Magd. Prof.

Lecturers

Douglas, S. W.
Rees Evans, E. T., B.Sc. Lond., M.A.
Goodwin, R. F. W., M.A. Trin. H.
Pugh, P. D. S., M.A., Ph.D. Qu.
Walker, R. G., M.A. Trin.
Spratling, F. R., M.A.

Demonstrators

Hall, L. W., M.A.
Seamer, J., B.Sc. Edin., M.A.
Mortimer, P. H., B.Sc. Liv., M.A.

Veterinary Physiology

Comline, R. S., M.A., Ph.D. Cath. Lectr.
Balfour, W. E., Ph.D. Edin. Sr. Asst. in Res.
Titchen, D. A., B.A. Emm. Demr.

Sandars Reader (Bibliography)

1955—N. R. Ker, M.A. Oxon.

Stanton Lecturer (Philos. of Religion)

1954–56—Rev. G. F. Woods, M.A. Down.

Extra-Mural Studies

Tutors, apptd. by Bd. of Extra-Mural Studies: M. H. Clifford, M.A., Ph.D. Down., H. H. Daisley, M.A. Chr., J. Hampden Jackson, M.A. Oxon. and Trin., L. James, M.A. Liv., M.A., F. Lee, B.A. Lond., M.A., H. A. Clement, M.A. Trin., C. P. Griffiths, B.A. Wales, M.A., C. Lee, M.A. Oxon. and King's, J. R. Mitchell, M.A. Sid., L. M. Munby, M.A. Oxon. and Magd., F. V. H. Ramsbottom, M.A. Cath., C L.

Wayper, M.A., Ph.D. Cath., Rachel M. R. Young, B.A. Oxon., M.A., L. G. Salingar, M.A. Emm.

ADMINISTRATIVE AND OTHER STAFF

Proctors (1954–55): R. T. H. Redpath, M.A., Ph.D. Trin., J. W. Earp, M.A. Jes. First Asst. Registrary: P. C. Melville, M.A. Oxon. Asst. Registraries: L. M. Harvey, M.A. Cath., J. D. Irwin, M.A. Trin. Asst. Sec. General of the Faculties: W. J. Sartain, M.A. Selw. Asst. Treasurers: C. R. Macdonald, M.A., LL.B. Cai., C. K. Phillips, M.A. Down. Esquire Bedells: C. H. Thompson, M.A. Qu., N. S. Wilson, M.A. Pemb. Administrative and Welfare Officer for Univ. Assts.: W. J. N. Warner, M.A. Joh. Draftsman: A. W. Hazlerigg, M.A. Cla. Sec., Lodging-Houses Syndicate: Mary C. D. Kennett.

SECRETARIES OF DEPARTMENTS, ETC. Library: A. Tillotson, M.A. Pet.; Engin.: T. J. N. Hilken; Phys.: E. H. K. Dibden, B.Sc. Lond., M.A. Sid.; Agric.: G. G. Kerr, M.A. Trin.; Educn.: A. G. Hunt, M.A. Pet.; Med. School: J. W. Woodcock, Down. Supts.: Engin. Workshops: J. H. Brooks, M.A. Cath.; Lab. of Org. and Inorg. Chem.: A. R. Gilson, M.A. Chr.; Biochem. Lab.: J. M. Leytham, M.A. Trin. H.

LIBRARY. Under-Librarians: B. F. C. Atkinson, M.A., Ph.D. Magd.; F. T. K. Caröe, M.A. Trin.; E. Ansell, M.A. Pet.; F. J. Norton, M.A. Pemb.; J. C. T. Oates, M.A. Trin. Asst. Under-Librarians: A. W. Shutter, M.A. Cai.; A. H. Cook; H. L. Pink; E. P. Tyrrell, M.A. King's; G. W. Webb; H. R. Mallett, M.A. Fitzw.; R. V. Kerr, M.A. Pemb.; G. R. Pettit; Margaret I. Scott, M.A., Ph.D. Newn.; Susan A. Skilliter, B.A. Newn.

FITZWILLIAM MUSEUM. Asst. Dir.: J. W. Goodison, M.A. King's. Librarian: Phyllis M. Giles, M.A. Girton.

UNIVERSITY PRESS. Sec.: R. J. L. Kingsford, M.A. Cla. Educational Sec.: O. C. Watson, M.A. Corp. Asst. Secs.: F. S. H. Kendon, M.A. Joh., M. H. Black, M.A. Jes., R. A. Becher, B.A. Joh. Univ. Printer: B. Crutchley, C.B.E., M.A. Trin. H. Asst. Univ. Printers: A. H. Gray, J. G. Dreyfus, M.A. Trin. London Publishing House—General Manager: R. W. David, M.A. Corp.; Asst. Manager: C. F. Eccleshare, M.A. Cath.

APPOINTMENTS BOARD. Sec.: J. G. W. Davies, M.A. Joh.; Asst. Secs.: A. L. Maycock, M.C., M.A. Cla. (Educn.); W. N. C. van Grutten, O.B.E. M.C., M.A. King's (Engin.); P. T. Sinker, M.A. Cla. (Commerce); A. D. I. Nicol, Ph.D. Fitzw. (Sci.). Women's Appointments Board. Sec.: Mrs. Kathleen M. C. Baxter, M.A. Newn.

DEPT. OF ESTATE MANAGEMENT (*see also above*, under Agriculture). Advisory Officers: O. S. Lee, M.A. Cai.; N. E. Elliott, M.A. Cla.; P. M. Cowell, B.A. Fitzw.; R. A. Rathbone, M.A.; N. J. F. Crocker; A. C. Crook; W. L. Lee; W. E. Marston; B. Mason; M. G. W. Pleasance; W. L. Poingdestre; C. J. Flower, B.A. Cai., J. H. W. Hannant, M.A. Fitzw., P. M. Poole, B.A. Cai., E. R. Towler.

THE COLLEGES

CHRIST'S COLLEGE. Founded 1506. *Telephone*: Cambridge 5094.

Master—B. W. Downs, M.A., *Prof. of Scand. Studies.*

Fellows

Raven, Rev. Canon C. E., M.A., D.D., F.B.A.
Campbell, S. G., M.A. Edin. and Camb.
Saunders, J. T., M.A.

Grose, S. W., M.A., *Prælector.*
Wyatt, T. C., O.B.E., M.A., *Bursar.*
Steen, S. W. P., M.A., *Vice-Master, U. Lectr.* (*Maths.*).
Steel, A. B., O.B.E., M.A. Oxon. and Camb.
Peck, A. L., M.A., Ph.D., *Librarian, U. Lectr.* (*Classics*).
Trend, J. B., Litt.D.
Davies, R. D., M.A., Ph.D., *U. Lectr.* (*Engin.*).
Todd, Sir A. R., M.A., F.R.S., *Prof.* (*Org. Chem.*).
Plumb, J. H., Ph.D., *Tutor, U. Lectr.* (*Hist.*).
Hartree, D. R., M.A., Ph.D., F.R.S., *Prof.* (*Math. Phys.*).
Kempton, A. E., M.A., Ph.D., *Tutor, U. Lectr.* (*Phys.*).
Pratt, C. L. G., O.B.E., M.D. Liv., M.A., *Sr. Tutor, U. Lectr.* (*Mammalian Physiol.*).
Hall, A. R., M.A., Ph.D., *U. Lectr.* (*Hist. of Sci.*).
Yale, D. E. C., M.A., LL.B., *U. Asst. Lectr.* (*Law*).
Johnson, A. W., M.A., *Steward, U. Lectr.* (*Org. and Inorg. Chem.*).
Prest, A. R., M.A., Ph.D., *Tutor, U. Lectr.* (*Econ.*).
Levy, R., Litt.D., *Prof.* (*Persian*).
Lewitter, L. R., M.A., Ph.D., *U. Lectr.* (*Polish*).
Coombe, D. E., M.A., *U. Demr.* (*Bot.*).
Spooner, F. C., M.A., Ph.D.
Hough, G. G., M.A., *U. Lectr.* (*Engl.*).
Huxley, H. E., M.B.E., M.A., Ph.D.
George, P., M.A., Ph.D., *Asst. Dir. of Res.* (*Colloid Sci.*).
Hamilton, J., M.A., *U. Lectr.* (*Maths.*).
Kenyon, J. P., Ph.D.

CLARE COLLEGE. Founded 1326. *Telephone*: Cambridge 3454.
Master—Sir Henry Thirkill, C.B.E., M.C., M.A.

Fellows
Wilson, G. H. A., O.B.E., D.C.L. Durh., M.A.
Harrison, W. J., M.B.E., M.A.
Godwin, H., Sc.D., Ph.D., F.R.S., *Reader* (*Quaternary Research*).
Jones, O. T., D.Sc. Wales, M.A., F.R.S.
Taylor, H. M., M.A., Ph.D., *Sec. Genl. of the Faculties.*
Hutton, R. S., D.Sc. Manc., M.A.
Willmer, E. N., Sc.D., *Steward, Reader* (*Histol.*).
Reddaway, W. B., M.A., *U. Lectr.* (*Econ.*).
Chibnall, A. C., Sc.D., F.R.S.
Baker, J. F., O.B.E., D.Sc. Wales, Sc.D., *Prof.* (*Mech. Sciences*).
Moule, Rev. C. F. D., M.A., *Lady Margaret's Prof.* (*Div.*).
Cooper, B., M.A., *Bursar and Financial Tutor, U. Lectr.* (*Engin.*).
Pippard, A. B., M.A., Ph.D., *U. Lectr.* (*Physics*), *Librarian.*
Stoker, M. G. P., M.D., *Asst. Tutor, Huddersfield Lectr. in Sp. Path.*
Kingsford, R. J. L., M.A., *Sec. U. Press Syndics.*
Northam, J. R., M.A., Ph.D., *Asst. Tutor, Prælector, U. Asst. Lectr.* (*Engl.*).
Boyd, J. D., M.D. Belf., M.A., F.L.S., *Prof.* (*Anat.*).
Robinson, J. A. T., M.A., Ph.D., *Dean, U. Lectr.* (*Div.*).
Eden, R. J., M.A., Ph.D.
Gilmour, J. S. L., M.A., F.L.S. (*Dir. U. Botanic Gard.*).
M^cDonald, A. H., Ph.D., *Tutor, U. Lectr.* (*Anc. Hist.*).
Wedderburn, K. W., M.A., LL.B., *U. Asst. Lectr.* (*Law*).
Ellison, T. H., M.A., Ph.D.
Walker, D., M.A., Ph.D., *Sr. Asst. in Res.* (*Quaternary Res.*).
Glen, J. W., M.A., Ph.D.
West, R. G., B.A.

CORPUS CHRISTI COLLEGE. Founded 1352. *Telephone*: Cambridge 5018.
Master—Sir G. P. Thomson, LL.D. Aberd., Sc.D., F.R.S.

Fellows

Pickthorn, K. W. M., M.A., Litt.D., M.P., *U. Lectr.* (*Hist.*).
Clark-Kennedy, A. E., M.A., M.D., F.R.C.P.
Sanders, T. R. B., C.B., M.A.
Charvet, P. E., M.A., *U. Lectr.* (*French*), *Steward of Estates.*
Carter, G. S., M.A., Ph.D., *U. Lectr.* (*Zool.*).
Lennard-Jones, Sir J. E., K.B.E., D.Sc. Manc., Sc.D., F.R.S.
Lee, H. D. P., M.A.
Bury, J. P. T., M.A., *U. Lectr.* (*Hist.*), *Librarian.*
Vincent, E. R. P., C.B.E., M.A., D.Phil. Oxon., Litt.D., *President, Prof.* (*Italian*).
Smyth, Rev. Canon C. H. E., M.A.
Thouless, R. H., Sc.D., *Reader* (*Educ. Psych.*).
Spens, P. G., M.A., *Bursar for Coll. Bldgs.*
Harley-Mason, J., M.A., *Prælector, Dean of Coll., U. Lectr.* (*Chem.*).
Dickins, B., M.A., *Elrington and Bosworth Prof.* (*Anglo-Saxon*).
Henderson, R. F., M.A., Ph.D., *Treasurer, U. Lectr.* (*Econ.*).
Moore, E. G., M.A.
Styler, Rev. G. M., M.A., *Precentor, U. Lectr.* (*Div.*).
Woodhead, A. G., M.A., *U. Lectr.* (*Class.*).
McCrum, M. W., M.A., *Tutor.*
Roach, J. P. C., M.A., Ph.D., *Domestic Bursar.*
Walls, Rev. R. C., M.A., *Chaplain.*
Faber, T. E., M.A., Ph.D.
Longuet-Higgins, H. C., D.Phil. Oxon., M.A., *J. H. Plummer Prof.* (*Theor. Chem.*).

DOWNING COLLEGE. Founded 1800. *Telephone*: Cambridge 5091.
Master—Sir Lionel Whitby, C.V.O., M.C., Chev. Lég. d'H., M.D., F.R.C.P., *Regius Prof. of Physic.*

Fellows

Whalley-Tooker, H. C., M.A. Oxon. and Camb., LL.M., *U. Lectr.* (*Law*).
Cuttle, W. L., M.A., *Librarian and Keeper of the Records.*
Grantham, J., M.A., *Bursar and Steward.*
Verney, E. B., M.A., M.B., B.Chir., F.R.C.P., F.R.S., *Sheild Prof.* (*Pharmacol.*).
Hammond, J., C.B.E., D.Sc. Iowa, M.A., F.R.S.
Leavis, F. R., B.A., Ph.D., *U. Lectr.* (*English*).
Wild, F., M.A., Ph.D., F.R.I.C., *Tutor, Res. Chemist* (*Med.*).
White, R. J., M.A., *U. Lectr.* (*Hist.*).
Parry, C., M.A., LL.B., *U. Lectr.* (*Law*).
Woods, Rev. G. F., M.A., *Chaplain, U. Lectr.* (*Div.*).
Sporne, K. R., M.A., Ph.D., *Dean, U. Lectr.* (*Bot.*).
Rees, D., M.A., *U. Lectr.* (*Maths.*).
Middleton, G. E., M.A., *U. Lectr.* (*Engin.*).
Stevenson, J., M.A., *Tutor, Prælector, U. Lectr.* (*Div.*).
Smith, F. G., M.A., Ph.D.
Norman, K. R., M.A., *Tutor.*
Burgess, M. A. S., M.A., Ph.D., (*Graham Robertson Fellow*).
Mair, W. A., M.A. *Prof.* (*Aero. Engin.*).

EMMANUEL COLLEGE. Founded 1584. *Telephone*: Cambridge 4239.
Master—E. Welbourne, M.C., M.A.

Fellows

Wood, P. W., M.A.
Greenwood, L. H. G., M.A.
Jones, Sir Bennett Melvill, C.B.E., A.F.C., M.A., F.R.S.

Gardner, R., M.C., M.A., *Bursar, U. Lectr.* (*Classics*).
Burnaby, Rev. H., M.A., *Tutor, Dean, U. Lectr.* (*Div.*).
Bennett, H. S., M.A., *Librarian.*
Tilley, C. E., Ph.D., F.R.S., *Vice-Master, Prof.* (*Mineral and Petrol.*).
Norrish, R. G. W., Ph.D., Sc.D., F.R.S., F.R.I.C., *Prof.* (*Phys. Chem.*).
Grave, W. W., M.A., Ph.D., Hon. LL.D.
Mansfield, W. S., C.B.E., M.A., *Dir. of Univ. Farm.*
Owst, G. R., Litt.D., F.S.A., *Prof.* (*Educn.*).
Sykes, Rev. N., M.A., D.D. Leeds, D.Phil. Oxon., M.A., F.B.A. *Dixie Prof.* (*Eccles. Hist.*).
Ward, A. J., B.A., Ph.D., *Asst. Bursar, U. Lectr.* (*Maths.*).
Blair, P. H., M.A., *Sr. Tutor, Prælector, U. Lectr.* (*Anglo-Saxon*).
Stubbings, F. H., M.A., Ph.D., *Asst. Librarian, U. Lectr.* (*Classics*).
Ashmore, P. G., M.A., Ph.D., *Asst. Tutor, U. Lectr.* (*Phys. Chem.*).
Robinson, J. R., M.D., *Asst. Tutor, Asst. Dir. of Research* (*Exp. Medicine*).
Sands, E. R., M.A., *Asst. Tutor, U. Lectr.* (*Slavonic*).
Townsend, A. A., Ph.D., *Asst. Tutor, Asst. Dir. of Res.* (*Exp. Fluid Mech.*).
Roscoe, K. H., M.C., M.A., *Asst. Tutor, U. Lectr.* (*Engin.*).
Odgers, F. J., M.A., LL.B., *Asst. Tutor, U. Lectr.* (*Law*).
Price, V. E., M.A., Ph.D.
Rickard, P., M.A., D.Phil. Oxon., Ph.D., *U. Asst. Lectr.* (*French*).
Wilson, E. M., M.A., Ph.D., *Prof.* (*Spanish*).
Seagrim, C. V., O.B.E., M.A., *Domestic Bursar.*
Pryce, R., B.A., *Res. Fellow.*
Root, Rev. H. E., M.A., *Chaplain, U. Asst. Lectr.* (*Div.*).
Youngson, A. J., M.A., *U. Lectr.* (*Econ. Hist.*).

GONVILLE AND CAIUS COLLEGE. Founded 1348. *Telephone*: Cambridge 3275.

Master—Sir J. Chadwick, D.Sc. Oxon., R'dg., Dub. and Leeds, LL.D. Liv. and Edin., Ph.D., F.R.S.

Fellows

Punnett, R. C., M.A., F.R.S.
Stratton, F. J. M., D.S.O., O.B.E., LL.D. Glas., M.A., F.R.S.
McNair, Sir Arnold D., C.B.E., D.C.L. Oxon., M.A., LL.D., F.B.A.
Phear, H. W., M.A., *U. Lectr.* (*Engin.*).
Debenham, F., O.B.E., M.A.
Bennett, E. K., M.A., *President.*
Tunnicliffe, H. E., M.A., *Tutor, U. Lectr.* (*Physiol.*).
Needham, N. J. T. M., Sc.D., F.R.S., *Reader* (*Biochem.*).
Oakeshott, M. J., M.A.
Deas, H. T., M.A., *U. Lectr.* (*Classics*), *Tutor.*
Weller, E. P., C.B.E., M.A., *Bursar.*
Bowden, F. P., Ph.D., Sc.D., F.R.S., *Reader* (*Phys. Chem.*).
Powell, F. C., M.A., Ph.D., *U. Lectr.* (*Maths.*).
Wade, E. C. S., M.A., LL.D., *Downing Prof.* (*Laws of England*).
Griffith, G. T., M.A., *Reader* (*Classics*), *Coll. Registrary.*
Greaves, R. I. N., M.D., *Reader* (*Bacteriol.*).
Grierson, P., M.A., *Librarian, U. Lectr.* (*Hist.*).
Hadley, P. A. S., Mus.D., *Prof.* (*Music*).
Fisher, Sir R. A., Sc.D., F.R.S., *Arthur Balfour Prof.* (*Genetics*).
Blackall, E. A., M.A., *U. Lectr.* (*German*).
Bailey, D. R. S., M.A., *Prælector, U. Lectr.* (*Tibetan*).
Dennison, S. R., C.B.E., M.A., *Sr. Tutor, U. Lectr.* (*Econ.*).

Wigglesworth, V. B., C.B.E., M.D., F.R.S., *Quick Prof.* (*Biol.*).
Naylor, G. R. E., M.A., M.B., B.Chir., *U. Lectr.* (*Path.*).
Bauer, P. T., M.A., *U. Lectr.* (*Econ.*).
McFarlane, I. D., M.B.E., M.A., *Tutor, U. Lectr.* (*French*).
Shoenberg, D., B.A., Ph.D., F.R.S., *Reader* (*Phys.*).
Runcorn, S. K., Ph.D. Manc., M.A., *Asst. Dir. of Res.* (*Geophysics*).
Brooke, C. N. L., M.A., *U. Lectr.* (*Hist.*).
Courtney-Pratt, J. S., Ph.D., *Asst. Dir. of Res.* (*Physical Chem.*).
Harland, W. B., M.A., *U. Lectr.* (*Geol.*).
Prichard, M. J., M.A., LL.B., *U. Lectr.* (*Law*).
Banks, A. L., M.D. Lond., M.A., F.R.C.P., *Prof.* (*Human Ecol.*).
Hewish, A., M.A., Ph.D., *Asst. Dir. of Res.* (*Phys.*).
Cooke, R. B., M.A.
Jones, G. A., M.A., Ph.D.
Sacker, H. D., M.A.
Parkes, E. W., M.A., Ph.D., *U. Lectr.* (*Engin.*).
Zeeman, E. C., M.A.
Bennett, J. H., Ph.D.
Clark, V. M., M.A., Ph.D., *U. Demr.* (*Chem.*).
Mott, N. F., D.Sc. Louvain and Grenoble, M.A., F.R.S., *Cavendish Prof.* (*Exper. Phys.*).

JESUS COLLEGE. Founded 1496. *Telephone*: Cambridge 2436.

Master—E. M. W. Tillyard, O.B.E., Litt.D., F.R.S.L., F.B.A.

Fellows

Duckworth, W. L. H., M.D., Sc.D.
Elliott, C. A., O.B.E., M.A.
Mills, W. H., Sc.D. Tübingen, M.A., F.R.S.
Pars, L. A., M.A., *U. Lectr.* (*Maths.*).
Gardner-Smith, Rev. P., B.D., *President, Dean.*
Thorpe, W. H., Sc.D., F.R.S., *U. Lectr.* (*Entomol.*).
Guy, O. V., C.B.E., D.S.O., M.C., M.A.
Brittain, F., Litt.D., *U. Lectr.* (*Med. Latin*), *Prælector, Keeper of the Records.*
Wilson, C. H., M.A., *First Bursar, U. Lectr.* (*Hist.*).
Percival, A. L., M.A., *Second Bursar, U. Lectr.* (*Engin.*).
Jennings, R. Y., M.A., LL.B., *Sr. Tutor, U. Lectr.* (*Law*).
Picken, L. E. R., Sc.D., *Asst. Dir. of Res.* (*Zool.*).
Wilkinson, D. H., M.A., Ph.D., *U. Lectr* (*Phys.*).
Rossiter, A. P., M.A., *Tutor, U. Lectr.* (*English*).
Fisher, D. J. V., M.A., *Tutor, U. Lectr.* (*Hist.*).
Edmonds, J. M., M.A.
Taunt, D. R., M.A., Ph.D., *Asst. Tutor, U. Lectr.* (*Maths.*).
Beveridge, W. I. B., D.V.Sc. Syd., M.A., *Prof.* (*Animal Pathol.*).
Sharpe, A. G., M.A., Ph.D., *Jr. Bursar, U. Demr.* (*Chem.*).
Creswick, H. R., M.A., *U. Librarian.*
Roberts, G. F., M.D., *Steward, U. Lectr.* (*Path.*).
Jones, A. H. M., M.A. Oxon., M.A., F.B.A., *Prof.* (*Anc. Hist.*).
Dart, R. T., M.A., *U. Lectr.* (*Music*).
Till, Rev. B. D., M.A., *Chaplain, Res. Fellow.*
Mathias, P., B.A., *Res. Fellow.*
Marler, P. R., *Res. Fellow.*

KING'S COLLEGE. Founded 1441. *Telephone*: Cambridge 4411.

Provost—S. R. K. Glanville, M.B.E., M.A. Camb. and Oxon., F.B.A., F.S.A., *Herbert Thompson Prof. (Egyptol.)*.

Fellows

Sheppard, Sir J. T., M.B.E., Litt.D. Manc., LL.D. St. And., M.A.

Pigou, A. C., M.A., F.B.A.

Adcock, Sir F. E., O.B.E., D.Litt. Durh., M.A., Litt.D., F.B.A., *Vice-Provost.*

Gray, Sir J., C.B.E., M.C., D.Sc. Aberd., Sc.D., F.R.S., *Prof. (Zool.)*.

Milner-White, Very Rev. E., C.B.E., D.S.O., M.A.

McCombie, H., D.S.O., M.C., M.A. Aberd., Sc.D., F.R.I.C.

Turner, L. B., Sc.D.

Durnford, H. G. E., M.C., M.A.

Lucas, F. L., O.B.E., M.A., *Reader (Engl.)*

Ord, B., M.A., Mus.B., F.R.C.O., *Organist, U. Organist, U. Lectr. (Music)*.

Scholfield, A. F., M.A.

Beves, D. H., M.A., *U. Lectr. (French)*.

Braithwaite, R. B., M.A., *Knightbridge Prof. (Moral Philos.)*

Stockdale, D., Sc.D., F.R.I.C., *U. Lectr. (Org. and Inorg. Chem.)*.

Dent, E. J., D.Mus. Oxon., M.A., Mus.B., Hon. Mus.D., F.R.C.M.

Hall, P., M.A., F.R.S., *Sadleirian Prof. (Pure Maths.)*.

Rylands, G. H. W., M.A., *U. Lectr. (Engl.)*.

Matthews, Sir B. H. C., C.B.E., Sc.D., F.R.S., *Prof. (Physiol.)*.

Lucas, D. W., M.A., *Reader and U. Lectr. (Classics)*.

Ingham, A. E., M.A., F.R.S., *Reader (Math. Analysis)*.

Kahn, R. F., C.B.E., M.A., *Prof. (Econ.)*.

Morris, G. C., M.A., *U. Lectr. (Hist.)*.

Saltmarsh, J., M.A., F.S.A., *U. Lectr. (Hist.)*.

Wilkinson, L. P., M.A., *Sr. Tutor, U. Lectr. (Classics)*.

Salt, G., B.Sc. Alta., Sc.D. Harv., Sc.D., *Stringer Fellow, U. Lectr. (Zool.)*.

Shire, E. S., M.A., *Reader (Physics)*.

Dixon, K. C., M.A., Ph.D., M.B., B.Chir., *Tutor (Adv. Students), U. Lectr. (Chem. Path.)*.

Harrison, K. P., M.A., *Steward, U. Lectr. (Biochem.)*.

Fox, T. R. C., M.A., *Shell Prof. (Chem. Engin.)*.

Macpherson, R. E., M.A., *First Bursar.*

Annan, N. G., O.B.E., M.A., *Asst. Tutor, U. Lectr. (Econ.)*.

Stone, J. R. N., C.B.E., M.A., *Dir. (Dept. of Appl. Econ.)*.

Moullin, E. B., Sc.D., *Prof. (Elect. Engin.)*.

Dykes, P. de K., M.A., *U. Lectr. (Engin.)*.

Coombs, R. R. A., Ph.D., *Asst. Dir. of Res. (Path.)*.

Trevelyan, C. H., M.A., *U. Lectr. (German)*.

Hibbert, A. B., M.A., *U. Lectr. (Hist.)*.

Parry, D. A., Ph.D., *U. Demr. (Zool.)*.

Raven, J. E., M.A., *U. Lectr. (Classics)*.

Caldecote, Visct., D.S.C., M.A., *Second Bursar.*

Ramsay, Rev. I. E. St. C., M.A., *Dean, Chaplain.*

Munby, A. N. L., M.A., *Librarian and Prælector.*

Radcliffe, P. F., M.A., Mus.B., *U. Lectr. (Music)*.

Hobsbawm, E. J. E., M.A., Ph.D.

Hill, M. N., M.A., Ph.D., *Asst. Dir. of Res. (Geodesy and Geophys.)*.

Roberts, K. V., M.A., Ph.D.

Kaldor, N., B.Sc. Lond., M.A., *Reader (Econ.)*.

Cole, L. B., M.D., F.R.C.P., *U. Assoc. Lectr. (Physic)*.

Johnson, H. G., M.A., *U. Lectr. (Econ.)*.

Dixon, M., Sc.D., F.R.S., *Reader (Enzyme Biochem.)*.
Haselgrove, C. B., M.A., *Sr. Asst. in Res. (Math. Lab.)*.
Fortes, M., M.A. Oxon. and Camb., Ph.D. Lond., *William Wyse Prof. (Soc. Anthropol.)*.
Marris, R. L., M.A., *U. Asst. Lectr. (Econ.)*.
Whitby, L. G., M.A., Ph.D.
Routledge, N. A., M.A., Ph.D.
Tissières, A.
Stephens, I. M., C.I.E., M.A.
Crossland, R. A., M.A.
Habgood, Rev. J. S., M.A., Ph.D.
Jaffé, A. M., M.A.
Dixon, H. B. F., M.A., *U. Demr. (Biochem.)*.
Bettelheim, F. R., M.A., Ph.D.
Brown, D. M., Ph.D., *Asst. Dir. of Res. (Org. and Inorg. Chem.)*.
Ursell, F., M.A., *U. Lectr. (Maths.)*.
Gaskell, J. P. W., M.A., *Dean*.
Hotson, L., A.M., Ph.D. Harv., M.A.
Sanger, F., B.A., Ph.D., F.R.S.
Barton, J. B. A., B.A.
Haskell, F. J. H., B.A.
Barlow, H. B., M.A., M.B., B.Chir., *U. Demr. (Physiol.)*.

MAGDALENE COLLEGE. Founded 1542. *Telephone*: Cambridge 5057.

Master—The Rt. Hon. H. U. Willink, M.C., Q.C., M.A. *(Vice-Chancellor)*.

Fellows

Ramsey, A. S., M.A.
Vernon Jones, V. S., M.A., *Kipling Fellow*.
Salter, F. R., O.B.E., M.A., *President, Warden of Madingley Hall*.
Morshead, Sir Owen F., K.C.V.O., D.S.O., M.C., C.G., M.A.
King, W. B. R., O.B.E., M.C., Sc.D., F.R.S., *Woodwardian Prof. (Geol.)*.
Richards, I. A., Litt.D.
Turner, F. McD. C., M.C., D.F.C., M.A., *Tutor, Coll. Librarian, and Asst. Steward*.
Scott, F. R. F., M.A., *Tutor*.
Keilin, D., M.A., F.R.S.
Babbage, D. W., O.B.E., M.A., Ph.D., *Tutor, U. Lectr. (Maths.)*.
Saunders, B. C., Sc.D., *Prælector, U. Lectr. (Org. and Inorg. Chem.)*.
Bennett, R. F., M.A., *Tutor, U. Lectr. (Hist.)*.
Ladborough, R. W., M.A., Ph.D., *Dean, Pepysian Librarian, U. Lectr. (French)*.
Burnet, J. F., M.A., *Bursar, Steward*.
Stevens, J. E., M.A., Ph.D., *U. Asst. Lectr. (Engl.)*.
Hughes, G. M., M.A., Ph.D., *U. Demr. (Zool.)*.
Pugh, L. P., B.Sc. Lond., M.A., *Prof (Vet. Clin. Studies)*.
Walsh, J. D., B.A.

PEMBROKE COLLEGE. Founded 1347. *Telephone*: Cambridge 5086.

Master—S. C. Roberts, LL.D. St. And., M.A.

Fellows

Pennell, V. C., M.A., M.B., B.Chir., F.R.C.S.
Spittle, J. T., O.B.E., M.A., *President*.
Wynn, Rt. Rev. H. E., C.G., M.A., Hon. D.D., Bishop of Ely.
King, B. E., M.A., LL.B., *U. Lectr. (Law)*.
Camps, W. A., M.A., *Tutor, U. Lectr. (Classics)*.
Rowe, J. W. F., M.C., M.Sc. Lond., M.A., *U. Lectr. (Econ.)*.
Hodge, W. V. D., Sc.D., F.R.S., *Lowndean Prof. (Astron. and Geom.)*.
Willey, B., M.A., F.B.A., F.R.S.L., *King Edward VII. Prof. (Engl. Lit.)*.
Dewey, Rev. M. B., M.A., *Asst. Tutor, Tutorial Bursar, Dean*.
Stoneley, R., Sc.D., F.R.S., *Reader (Theor. Geophys.)*.

MacLellan, G. D. S., M.A., Ph.D., *Asst. Tutor, U. Lectr.* (*Engin.*).
Hutton, W. S., M.A., *Asst. Tutor, Treasurer and Bursar.*
Arberry, A. J., Litt.D., F.B.A., *Sir T. Adams Prof.* (*Arabic*).
Combe, T. G. S., M.A. Edin. and Camb., D. de l'U. Bordeaux, *Prælector, U. Lectr.* (*French*).
Hodgart, M. J. C., M.A., *Librarian, U. Lectr.* (*Engl.*).
French, A. P., M.A., Ph.D., *Asst. Tutor, U. Lectr.* (*Phys.*).
Dickinson, Rev. J. C., M.A., *Chaplain.*
Joslin, D. M., M.A., *U. Asst. Lectr.* (*Hist.*).
Michelson, A. M., Ph.D.
Bishop, R. E. D., M.A., *U. Lectr.* (*Engin.*).
Evans, J. D., M.A.
Toulmin, G. H., M.A., Ph.D.

PETERHOUSE. Founded 1284. *Telephone*: Cambridge 4256.

Master—.....

Fellows
Lubbock, R., M.A., *U. Lectr.* (*Engin.*).
Butterfield, H., M.A., *Prof.* (*Mod. Hist.*).
Burkill, J. C., Sc.D., F.R.S., *U. Lectr.* (*Maths.*).
Guthrie, W. K. C., M.A., *Laurence Prof.* (*Anc. Philos.*), *Univ. Orator.*
Postan, M. M., M.Sc. Lond., M.A., *Prof.* (*Econ. Hist.*).
Wormald, Rev. B. H. G., M.A., *Tutor, U. Lectr.* (*Hist.*).
Brogan, D. W., M.A. Glas., Oxon. and Camb., *Prof.* (*Pol. Sci.*).
Knowles, Rev. M. C., Litt.D., F.B.A., F.S.A., *Regius Prof.* (*Mod. Hist.*).
Pringle, J. W. S., M.B.E., M.A., F.R.S., *Tutor, U. Lectr.* (*Zool.*).
Lockyer, Air Vice-Marshal C. E. W., C.B., M.A., *Steward, Sr. Bursar.*
Sanders, Rev. J. N., M.A., *Dean, Domestic Bursar, Chaplain and Catechist, U. Lectr.* (*Div.*).
Kendrew, J. C., M.A., Ph.D., *Prælector.*
Mack Smith, D., M.A., *Tutor, U. Lectr.* (*Hist.*).
Farmer, Rev. H. H., D.D. Glas., M.A., *Norris-Hulse Prof.* (*Div.*).
Clark, J. G. D., Sc.D., F.B.A., *Disney Prof.* (*Archæol.*).
Keynes, R. D., M.A., Ph.D., *U. Lectr.* (*Physiol.*).
Hinton, R. W. K., M.A., Ph.D.
Kenney, E. J., M.A., *Librarian.*
Lloyd, A. J. L., B.A.

QUEENS' COLLEGE. Founded 1448. *Telephone*: Cambridge 4425.

President—J. A. Venn, Litt.D., F.S.A.

Fellows
Wood, Rev. C. T., B.D.
Laffan, R. G. D., M.A. Oxon. and Camb.
Sleeman, C. M., M.A.
Browne, A. D., M.A., *Vice-President.*
Potts, L. J., M.A., *Librarian, U. Lectr.* (*Engl.*).
Maxwell, E. A., M.A., Ph.D., *Prælector, Keeper of the College Records.*
Ramsay, J. A., M.A., Ph.D., *Steward, U. Lectr.* (*Zool.*).
Hart, Rev. H. St. J., B.D., *Dep. Chaplain, U. Lectr.* (*Div.*).
Bailey, H. W., M.A. Oxon. and Camb., D.Phil. Oxon., F.B.A., *Prof.* (*Sanskrit*).
McCullagh, G. P., M.D. Belf., M.A., *Sr. Tutor, U. Lectr.* (*Pathol.*).
Kirkaldy, H. S., LL.B. Edin., M.A., *Montague Burton Prof.* (*Industrial Relations*).
Armitage, A. Ll., M.A., LL.B., *Tutor, U. Lectr.* (*Law*).

Chadwick, Rev. H., B.D., Mus.B., *Dean and Chaplain, U. Lectr.* (*Div.*).
Parmée, D., M.A., *U. Lectr.* (*French*).
Trevaskis, J. R., M.A., *Asst. Tutor, U. Asst. Lectr.* (*Classics*).
Deakin, C. S., M.A., *Jr. Bursar, U. Lectr.* (*Engin.*).
Hagenbuch, W., M.A., *U. Lectr.* (*Econ.*).
Haszeldine, R. N., M.A., Ph.D., *U. Demr.* (*Chem.*).
Barker, W. A., M.A.
Wilson, G. P., B.A., LL.B.
Holdgate, M. W., B.A.
Goy, E. D., B.A.

ST. CATHARINE'S COLLEGE. Founded 1473. *Telephone*: Cambridge 5045.
Master—D. Portway, M.A., J.P., D.L.

Fellows
Steers, J. A., M.A., *President, Prof.* (*Geog.*).
Henn, T. R., C.B.E., M.A., *Sr. Tutor, U. Lectr.* (*English*).
Waddams, Rev. Canon C. D., M.A., *Tutor, Chaplain.*
Rich, E. E., M.A., *Prof.* (*Imp. and Naval Hist.*).
Smith, S., M.A., Ph.D., *Prælector, U. Lectr.* (*Zool.*).
Aston, S. C., M.A., Ph.D., *Dean, U. Lectr.* (*French*).
Thomas, D. W., M.A. Oxon., M.A., *Regius Prof.* (*Hebrew*).
Evans, R. C., M.A., Ph.D., *Tutor, U. Lectr.* (*Mineral.*).
Gooderson, R. N., M.A., *Tutor, U. Lectr.* (*Law*).
Bird, Rev. C. H., M.A., *Chaplain.*
Berrill, K. E., M.A., *Financial Tutor, Estates Bursar, U. Lectr.* (*Econ.*).
Caesar, A. A. L., M.A., *U. Lectr.* (*Geog.*).
Lacey, W. K., M.A., *Jr. Dean.*
Comline, R. S., M.A., Ph.D., *U. Lectr.* (*Vet. Physiol.*).
MacDonagh, O. O. G. M., M.A., Ph.D., *Librarian.*
Topsfield, L. T., M.A., Ph.D., *U. Asst. Lectr.* (*Provençal and French*).
Vaizey, J. E., B.A.

ST. JOHN'S COLLEGE. Founded 1511. *Telephone*: Cambridge 5052.
Master—J. M. Wordie, C.B.E., LL.D. Glas., M.A.

Fellows
Baker, H. F., LL.D. Edin., Sc.D., F.R.S.
Cunningham, E., M.A.
Jeffreys, Sir Harold, D.Sc. Durh., M.A., F.R.S., *Plumian Prof.* (*Astron. and Exper. Philos.*).
Palmer, W. G., D.Sc. Lond., Sc.D., *U. Lectr.* (*Org. and Inorg. Chem.*).
Bartlett, Sir F. C., C.B.E., M.A., F.R.S.
Engledow, Sir Frank L., C.M.G., M.A., F.R.S., *Drapers' Prof.* (*Agric.*).
White, F. P., M.A., *Librarian, U. Lectr.* (*Maths.*).
Briggs, G. E., D.Sc. Lond., M.A., F.R.S., *President, Prof.* (*Bot.*).
Guillebaud, C. W., C.B.E., M.A., *Tutor, U. Lectr.* (*Econ.*).
Boys Smith, Rev. J. S., M.A., *Sr. Bursar.*
Dirac, P. A. M., Ph.D., F.R.S., *Lucasian Prof.* (*Maths.*).
Howland, R. L., M.A., *Tutor, U. Lectr.* (*Classics*).
Bailey, S. J., M.A., LL.M., *Rouse Ball Prof.* (*Law*).
Hollick, F. S. J., M.A., Ph.D., *U. Lectr.* (*Zool.*).
Davies, H. S., M.A., *U. Lectr.* (*Engl.*).
Walker, E. A., M.A. Oxon., Cape and Camb.
Anderson, W. B., M.A.
Harris, H. A., D.Sc., M.D. Lond., M.A.
Smithies, F., B.A., Ph.D., *U. Lectr.* (*Maths.*).
Jopson, N. B., M.A., *Prof.* (*Compar. Philol.*).

Evans, G. C., M.A., Ph.D., *Buildings Bursar, U. Lectr.* (*Bot.*).
Daniel, G. E., M.A., Ph.D., *Steward, U. Lectr.* (*Archæol. and Anthropol.*).
Hoyle, F., M.A., *U. Lectr.* (*Maths.*).
Miller, E., M.A., *Tutor, U. Lectr.* (*Hist.*).
Rhoden, H. G., M.A., *U. Lectr.* (*Engin.*).
Scott, K., LL.B., M.A., *U. Lectr.* (*Law*).
Mitchell, J. S., C.B.E., M.B., B.Chir., M.A., Ph.D., F.R.S., *Prof.* (*Radiotherapeutics*).
Hinsley, F. H., M.A., *U. Lectr.* (*Hist.*).
Lee, A. G., M.A., *Tutor, U. Lectr.* (*Classics*).
Bertram, G. C. L., M.A., Ph.D., *Tutor, Dir. Scott Polar Res. Inst.*
Thistlethwaite, F., M.A., *Prælector, U. Lectr.* (*Econ.*).
Mordell, L. J., M.A., F.R.S.
Jackson, R. M., LL.D., *Reader, Public Law and Admin.*
Redman, R. O., M.A., Ph.D., F.R.S., *Prof.* (*Astrophys.*).
Budden, K. G., M.A., Ph.D., *U. Lectr.*, (*Phys.*).
Orr, R. K., Mus.D., *U. Lectr.* (*Mus.*).
Brookes, A. M. P., M.A., *Jr. Bursar, U. Lectr.* (*Engin.*).
Farmer, B. H., M.A., *U. Lectr.* (*Geog.*).
Kendon, F. S. H., M.A., *Asst. Sec. U. Press.*
Gale, E. F., Sc.D., F.R.S., *Reader* (*Chem. Microbiol.*).
Lyttleton, R. A., M.A., Ph.D., *U. Lectr.* (*Maths.*).
Kidd, F., C.B.E., D.Sc. Lond., M.A., F.R.S.
Wilkes, M. V., M.A., Ph.D., *Dir. of Math. Lab.*
Pevsner, N. B. L., C.B.E., Ph.D. Leipzig, M.A., F.S.A., *Slade Prof.* (*Fine Art*).
Ratcliff, Rev. E. C., M.A. Oxon. and Camb., *Ely Prof.* (*Div.*).
Bambrough, J. R., M.A., *Tutor.*
Matthews, R. C. O., M.A. Oxon. and Camb., *U. Lectr.* (*Econ.*).
Crook, J. A., M.A., *U. Asst. Lectr.* (*Classics*).
Salam, A., B.A., Ph.D., *U. Lectr.* (*Maths.*).
Bruford, W. H., M.A., *Schröder Prof.* (*German*).
Bambah, R. P., Ph.D.
Sturrock, P. A., M.A.
Gill, S., M.A., Ph.D.
Bezzant, Rev. J. S., B.D., *Dean, U. Lectr.* (*Div.*).
Hanley, F., M.A., *Reader* (*Crop Husbandry*).
Hall, G. G., B.Sc. Belf., M.A., Ph.D., *Asst. in Res.* (*Theor. Chem.*).
Cruickshank, D. W. J., M.A.
Horridge, G. A., M.A.
Marstrand, J. M., M.A.
Robinson, R. E., Ph.D., *U. Lectr.* (*Hist.*).
Edison, G.
Kipping, F. B., M.A., Ph.D., *U. Lectr.* (*Org. and Inorg. Chem.*).
Martin, J. W., M.A., Ph.D.
Horlock, J. H., M.A., *U. Demr.* (*Engin.*).
Robertson, A. P., B.A., Ph.D.

SELWYN COLLEGE.* Founded 1882. *Telephone*: Cambridge 4407.

Master—Rev. Canon W. Telfer, M.C., D.D.

Fellows

Williams, W. N., M.A., LL.B.
Perrett, G. B., M.A.
Durrant, P. J., M.A., Ph.D., *Tutor, Prælector.*
Blyth, Rev. A. C., M.C., M.A., *Vice-Master, Sr. Tutor, Precentor.*

* Approved Foundation.

Sartain, W. J., M.A., *Asst. Sec. Gen. of the Faculties.*
Chase, Rt. Rev. G. A., M.C., M.A., Hon. D.D. (*Bishop of Ripon*).
St. Joseph, J. K. S., M.A., Ph.D., *Librarian, Asst. Tutor, Cur.* (*Aerial Photog.*).
Bell, G. D. H., Ph.D.
Spear, T. G. P., O.B.E., M.A., Ph.D., *Bursar and Steward.*
Cott, H. B., D.Sc. Glas., Sc.D., *U. Lectr.* (*Zool.*).
Brock, W. R., M.A., Ph.D., *Asst. Tutor, U. Lectr.* (*Amer. Hist.*).
Auty, R., M.A., *Dean, U. Lectr.* (*German and Czech*).
Winny, J., M.A.
Randall, Rev. E. L., M.A., *Chaplain.*
Hughes, A. F. W., Sc.D., *U. Lectr.* (*Anat.*).

SIDNEY SUSSEX COLLEGE. Founded 1596. *Telephone*: Cambridge 5027.
Master—T. Knox-Shaw, C.B.E., M.C., M.A.

Fellows

Wilson, C. T. R., C.H., LL.D. Aberd., D.Sc. Manc., M.A., Hon. Sc.D., F.R.S.
Hackforth, R., M.A., F.B.A.
Smith, Rev. B. T. D., D.D.
Davenport, A. H., M.C., M.A., *Sr. Bursar.*
Green, H. L. H. H., M.D., *U. Lectr.* (*Anat.*).
Ratcliffe, J. A., O.B.E., M.A., F.R.S., *Vice-Master, Reader* (*Physics*).
Robinson, E. A. G., C.M.G., O.B.E., M.A., *Prof.* (*Econ.*).
Angus, R. H., M.A., *Steward, U. Lectr.* (*Engin.*).
McCance, R. A., C.B.E., M.D., F.R.C.P., F.R.S., *Prof.* (*Exper. Med.*).
Bulman, O. M. B., Ph.D., Sc.D., F.R.S., *Reader* (*Palæozool.*).
Thomson, D., M.A., Ph.D., *U. Lectr.* (*Hist.*).
Emeléus, H. J., D.Sc. Lond., M.A., F.R.S., *Prof.* (*Inorg. Chem.*).
Small, R. C., M.B.E., M.A., Ph.D., *Tutor, U. Lectr.* (*Hist.*).
Thornely, J. W. A., M.A., *Coll. Librarian, U. Lectr.* (*Law*).
Casey, Rev. R. P., B.D., Ph.D., *Dean.*
Agar, J. N., M.A., Ph.D., *U. Lectr.* (*Phys. Chem.*).
Roy, A. D., M.A., *Tutor, U. Lectr.* (*Econ.*).
Dibden, E. H. K., M.A., *Jr. Bursar, Sec. Dept. of Physics.*
Clemmow, P. C., M.A., Ph.D., *Taylor Librarian, U. Lectr.* (*Theoret. Electrodynamics and Radio*).
Willcock, M. M., M.A., *Prælector.*

TRINITY COLLEGE. Founded 1546. *Telephone*: Cambridge 58201.
Master—E. D. Adrian, O.M., M.D., F.R.S., F.R.C.P.

Fellows

Trevelyan, G. M., O.M., C.B.E., M.A., Hon. Litt.D., F.B.A.
Dykes, F. J., M.A.
Littlewood, J. E., LL.D. St. And., D.Sc. Liv., M.A., F.R.S.
Hollond, H. A., D.S.O., O.B.E., M.A., LL.M., *Vice-Master.*
Robertson, D. S., M.A., F.B.A.
Simpson, Rev. F. A., M.A.
Tennant, Rev. F. R., D.D. Camb. and Oxon., M.A., F.B.A.
Butler, J. R. M., M.V.O., O.B.E., M.A.
Burnaby, Rev. J., B.D., *Dean of Chapel, Reg. Prof.* (*Div.*).
Taylor, Sir Geoffrey I., M.C., D.Sc. Oxon., M.A., F.R.S.
Nicholas, T. C., O.B.E., M.A., *Sr. Bursar.*
Lenox-Conyngham, Sir Gerald P., M.A., F.R.S.
Kitson Clark, G. S. R., Litt.D., *Reader* (*Const. Hist.*).
Broad, C. D., Litt.D., F.B.A.

Roughton, F. J. W., M.A., Ph.D., F.R.S., *J. H. Plummer Prof.* (*Colloid Sci.*).
Dean, W. R., M.A.
Moore, G. E., O.M., LL.D. St. And., Litt.D., F.B.A.
Gow, A. S. F., M.A., F.B.A.
Duff, P. W., M.A., *Dean, Regius Prof.* (*Civil Law*).
Rattenbury, R. M., M.A., *U. Registrary.*
Sandbach, F. H., M.A., *U. Lectr. and Brereton Reader* (*Classics*), *Sr. Tutor.*
Pantin, C. F. A., Sc.D., F.R.S., *Reader* (*Invertebrate Zool.*).
Evennett, H. O., M.A., *Tutor, U. Lectr.* (*Hist.*).
Knight, A. H. J., M.A., *Steward, U. Lectr.* (*German*).
Besicovitch, A. S., D.Sc. Lond., M.A., F.R.S., *Rouse Ball Prof.* (*Maths.*).
Mann, F. G., D.Sc. Lond., Ph.D., Sc.D., F.R.S., F.R.I.C., *Reader* (*Org. Chem.*).
Black, M., M.A., *U. Lectr.* (*Geol.*).
Hamson, C. J., M.A., LL.M., *Prof.* (*Comparative Law*).
Wisdom, A. J. T. D., M.A., *Prof.* (*Philos.*).
Hodgkin, A. L., M.A., F.R.S.
Moule, Rev. A. C., Litt.D.
Bragg, Sir W. L., M.C., O.B.E., Sc.D. Dub., D.Sc. Leeds and Manc., Ph.D. Cologne, LL.D. St. And., M.A., F.R.S., F.I.P.
Rushton, W. A. H., Ph.D., Sc.D., F.R.S., *Reader* (*Physiol.*).
Vyvyan, J. M. K., M.A., *Tutor.*
Sraffa, P., M.A., *Asst. Dir. of Research* (*Econ.*).
Pryor, M. G. M., M.A., Ph.D., *U. Lectr.* (*Zool.*).
Huxley, A. F., M.A., *Asst. Dir. of Res.* (*Physiol.*).
Russell, B. A. W., Earl, O.M., M.A., F.R.S., F.B.A.
Robertson, Sir Dennis H., C.M.G., M.A., F.B.A., *Prof.* (*Political Econ.*).
Binnie, A. M., M.A., *U. Lectr.* (*Engin.*).
Harmer, L. C., M.A., Ph.D., *Drapers' Prof.* (*French*).
Ashmead, J., M.A., Ph.D., *U. Lectr.* (*Physics*).
Oatley, C. W., M.A., *Adviser to Res. Students, U. Lectr.* (*Engin.*).
Middleton, H. S., M.A., Mus.D., *Organist, U. Lectr.* (*Music*).
Wade, H. W. R., M.A., *Asst. Bursar, U. Lectr.* (*Law*).
Winter, C., M.A., *Dir. Fitzwilliam Museum.*
Lauterpacht, H., Q.C., LL.D. Lond., Dr. Jur., Dr. Sc. Pol. Vienna, LL.D., F.B.A., *Whewell Prof.* (*Internat. Law*).
Fox, E. N., M.A., *U. Lectr.* (*Engin.*).
Browne, B. C., M.A., *Reader* (*Exp. Geophysics*).
Bradfield, J. R. G., M.A., Ph.D., *Jr. Bursar, Asst. in Res.* (*Electron Microscopy*).
Arkell, W. J., D.Sc. Oxon., M.A., F.R.S.
Frisch, O. R., O.B.E., D.Sc., D.Phil. Vienna, M.A., F.R.S., *Prof.* (*Nat. Philos.*).
Bailey, K., Sc.D., F.R.S., *Asst. Dir. of Research* (*Biochem.*).
Dobb, M. H., M.A., *U. Lectr.* (*Econ.*).
Gallagher, J., M.A., *U. Lectr.* (*Hist.*).
Milsom, S. F. C., M.A., *U. Lectr.* (*Law*).
Radzinowicz, L., LL.D., *Dir. of Dept. of Criminal Sci.*
Lewis, W. V., M.A., *U. Lectr.* (*Geog.*).
Cassels, J. W. S., Ph.D., *U. Lectr.* (*Maths.*).
Green, D. H., M.A., *U. Lectr.* (*German*).
Ryle, M., M.A., F.R.S., *U. Lectr.* (*Physics*).
Morrison, J. S., M.A., *Tutor, U. Lectr.* (*Classics*).
Nockolds, S. R., Ph.D., *U. Lectr.* (*Mineral and Petrol.*).
Redpath, R. T. H., M.A., Ph.D., *U. Lectr.* (*Engl.*), *Sr. Proctor.*
Page, D. L., M.A. Oxon., M.A., *Regius Prof.* (*Greek*).

Hawthorne, W. R., M.A., *Prof.* (*Appl. Thermodyn.*).
Williams, Rev. H. A., M.A., *Prælector and Sec. of Council.*
Pople, J. A., M.A., Ph.D., *U. Lectr.* (*Maths.*).
Glauert, R. H., M.A., Ph.D.
Longuet-Higgins, M. S., M.A., Ph.D.
Oates, E. E. D. M., M.A.
Wheeler, D. J., B.A., Ph.D.
Reifenberg, E. R., M.A.
Batchelor, G. K., Ph.D., *U. Lectr.* (*Maths.*).
Leigh, R. A., M.A., *U. Lectr.* (*French*).
Sciama, D. W. S., M.A., Ph.D.
Gnanalingam, S., M.A.
Drazin, M. P., M.A., Ph.D.
Jolowicz, J. A., B.A.
Ker, A., M.A., *U. Asst. Lectr.* (*Classics*).
Laslett, T. P. R., M.A., *U. Lectr.* (*Hist.*).
Lauterpacht, E., M.A., LL.B., *U. Asst. Lectr.* (*Law*).
Douglas, A. S., M.A., Ph.D.
Higgins, P. J., B.A., Ph.D.
Hurley, A. C., Ph.D.
Shaffer, B. M., B.A., Ph.D.
Yates, J. G., M.A., *U. Lectr.* (*Engin.*).

TRINITY HALL. Founded 1350. *Telephone*: Cambridge 5047.
Master—Sir Ivor Jennings, Q.C., LL.D. Lond. and Brist., Litt.D.

Fellows
Dean, H. R., D.M. Oxon., M.D., *Prof. of Pathol.*
Crawley, C. W., M.A., *Vice-Master, Tutor, U. Lectr.* (*Hist.*).
Turner, J. W. C., M.C., M.A., LL.B., *Prælector.*
Clarke, L. C. G., M.A.
Ellis Lewis, T., Ph.D., *U. Lectr.* (*Law*).
Wylie, S., M.A. Oxon. and Camb., *Asst. Tutor, U. Lectr.* (*Maths.*).
Thomas, T. C., M.A., LL.B., *U. Lectr.* (*Law*).
Kenner, G. W., Ph.D., *U. Lectr.* (*Org. and Inorg. Chem.*).
Schulman, J. H., O.B.E., Ph.D., Sc.D., *Reader* (*Surface Chem.*).
Chadwick, Rev. W. O., M.A., B.D., *Asst. Tutor, Dean, Librarian, U. Lectr.* (*Div.*).
Austin, G. W., M.A., *Goldsmiths' Prof.* (*Metall.*).
Young, F. G., Ph.D., D.Sc. Lond., M.A., F.R.I.C., F.R.S., *Prof.* (*Biochem.*).
Storey, G., M.A., *Librarian.*
Kirk, G. S., D.S.C., M.A., *U. Lectr.* (*Classics*).
Dean, N., M.A., *Dir. in Est. Man.*
Crutchley, B., C.B.E., M.A. (*Univ. Printer*).
Cochran, W., M.A., *U. Lectr.* (*Phys.*).
Curtis, Brigadier F. C., C.B.E., M.A., *Bursar and Steward.*
Johnson, D. C., M.A., *U. Lectr.* (*Engin.*).
Best, G. F. A., B.A.

FITZWILLIAM HOUSE: NON-COLLEGIATE STUDENTS. Established 1869. *Telephone*: Cambridge 4779. Sr. Tutor—W. S. Thatcher, M.C., M.A.; Asst. Censor, Bursar—W. W. Williams, M.A., U. Lectr. (*Geog.*); Tutor: R. N. Walters, M.A.

WOMEN'S COLLEGES

GIRTON COLLEGE. Founded 1869. *Telephone*: Cambridge 76219.
Mistress—Mary L. Cartwright, D.Phil. Oxon., Sc.D., F.R.S.

Fellows
Hollond, Mrs. Marjorie, Ph.D. Col., M.A., *Bursar, U. Lectr.* (*Econ.*).
McMorran, Helen I., M.A., *Vice-Mistress, Librarian and Registrar of the Roll.*

Lloyd Thomas, Mary G., M.A.
Peace, Kathleen M., M.A., *Secretary.*
Jeffreys, Lady, M.A., Ph.D., *Tutor for Adv. Students.*
Bradbrook, Muriel C., M.A., Ph.D., *U. Lectr.* (*Engl.*).
Cave-Browne-Cave, Frances E., M.A.
Clover, Mary, M.A.
Jones, Mary G., Litt.D.
Megaw, Helen D., M.A., Ph.D., *Asst. Dir. of Res.* (*Crystallog.*).
Lindsay, Mrs. Jean O., M.A., Ph.D., *U. Lectr.* (*Hist.*).
Fairlie, Alison A. B., Ph.D., *U. Lectr.* (*French*).
Bibas, Henriette, M.A.
Duke, Alison, M.A., *Tutor and Prælector, U. Asst. Lectr.* (*Classics*).
Hill, Elizabeth M., Ph.D. Lond., M.A., *Prof.* (*Slavonic Studies*).
Cam, Helen M., Litt.D., F.B.A.
Bishop, Ann, Sc.D., *Res. Fellow.*
de Mourgues, Mme Odette M. H. L., Ph.D., *U. Lectr.* (*French*).
Willey, Florence J. L., M.A., *Jr. Bursar and Clerk of Accounts.*
Gillies, Sheila M., M.A., *Tutor and Steward.*
Trenkner, Sophie, M.A., *Res. Fellow.*
Thurston, June P., M.A., *Res. Fellow.*
Bennett, Mrs. Joan, M.A., *U. Lectr.* (*Engl.*).
Chibnall, Mrs. Marjorie M., Ph.D.
Freeman, Rosemary, M.A., Ph.D., *Res. Fellow.*

NEWNHAM COLLEGE. Founded 1871. *Telephone*: Cambridge 2478.
Principal—Ruth L. Cohen, M.A., *U. Lectr.* (*Econ.*).

Fellows
Chrystal, Edith M., M.A., *Registrar of the Roll.*
White, Mrs. Alice B., Ph.D. Yale, M.A., *Bursar.*
Pybus, Helen J., M.A., *Tutor.*
Toynbee, Jocelyn M. C., D.Phil. Oxon., M.A., *Prof.* (*Class. Archæol.*).
Horton, Mrs. Ann C., D.Sc. Lond., M.A., *U. Lectr.* (*Physics*).
Grimshaw, Margaret E., M.A., *Vice-Principal, U. Lectr.* (*Maths.*).
Mitchell, Jean B., M.A., *U. Lectr.* (*Geog.*).
Robertson, Annie, M.B.E., M.A., *Tutor.*
Behrens, Catherine B. A., M.A. Oxon. and Camb., *U. Lectr.* (*Hist.*).
Agar, Mrs. Delia M., M.A., Ph.D.
Wallas, May G., M.A., Ph.D. Lond., M.A., *U. Lectr.* (*French*).
Edmonds, Sheila M., M.A., Ph.D.
Morris, Irene V., M.A. Belf. and Camb., *Tutor.*
Burton, Kathleen M. P., M.A., *Prælector.*
Lobban, Mary C. C., M.A., Ph.D.
Burne, Patience, M.A., *Tutor.*
Reynolds, Joyce M., M.A. Oxon. and Camb., *U. Asst. Lectr.* (*Classics*).
Pitt, Valerie J., M.A. Oxon. and Camb.
Grier, Lynda, C.B.E., M.A. Oxon., Hon. LL.D.
Bragg, Lady, M.A.
Welsford, Enid E. H., M.A., *U. Lectr.* (*Engl.*).
Whetham, Edith H., M.A., *U. Lectr.* (*Agric.*).
Read, Margaret H., C.B.E., Ph.D. Lond., M.A.

RECOGNIZED INSTITUTIONS FOR WOMEN

HUGHES HALL (formerly known as the Cambridge Training College for Women). Founded 1885. *Telephone*: Cambridge 4090. Principal—Margaret A. Wileman, M.A. Oxon., M.A. Girton, *U. Lectr.* (*Educn.*), *Dir. of Women Students in Dept. of Educn.*; Tutor—Esther M. Tomlin, M.A. Newn.

NEW HALL. Founded 1954. Tutor—Alice R. Murray, M.A., D.Phil. Oxon., M.A. Girton; Lectr.—Hope Hammond, M.A., Ph.D. Girton.

GENERAL INFORMATION

The University of Cambridge may be said to have originated in the 12th century and before the beginning of the 13th it was almost certainly a recognized centre of study. It is a common law corporation, being a corporation by prescription consisting of a Chancellor, Masters and Scholars, who from time out of mind have had the government of their members and enjoyed the privileges of such a corporation; but its incorporation has been confirmed by statute. In 1318 Cambridge received from Pope John XXII formal recognition as a *studium generale* or *universitas*. In 1571 by Act of Parliament 13 Elizabeth, Cap. 29, *An Acte for Thincorporation of bothe Thunyversities*, the incorporation of the Univ. and all privileges then held under Charter or by prescription were confirmed.

The legislative and executive authority of the Univ. is vested in the REGENT HOUSE, which consists of those members of the Senate who are engaged in the teaching and administrative work of the Univ. Certain formal functions, and a right of appeal from the Regent House, are reserved to the Senate, which consists of Doctors, Masters and B.D.s.

Changes of statute can be made by the Univ. with the approval of the Privy Council.

Many executive duties, and the duty of sanctioning the submission of resolutions (called *Graces*) to the Regent House and the Senate, are entrusted to the *Council of the Senate*, which is elected by the Regent House.

The titular presiding officer at a Congregation, and the Chairman of the Council, is the Chancellor, who is by custom a non-resident distinguished in public life. His duties are in fact performed by the Vice-Chancellor, who is a Head of a College, appointed annually, in theory by the Regent House, in practice by the Council. It is customary for the Vice-Chancellorship not to be held for more than two years in succession by one person.

There are numerous *Boards* and *Syndicates* for dealing with the various branches of University business: the most important of them are the *General Board of the Faculties*, whose duty it is to advise the Univ. as to educational policy and to supervise and co-ordinate the work of the Faculties, and the *Financial Board*, whose duty it is to supervise the financial affairs of the Univ.

There are twenty Faculties: a Faculty being a body of persons furthering the study of a subject or group of subjects. The organization of teaching, research and examinations in the various subjects is in the hands of the several Faculty Boards, subject to the control of the General Board. A Faculty Board is in part composed of members elected by the Faculty. Some of the Faculties are divided into Departments, each under a Head, generally a Professor, who is responsible under the Faculty Board for its management. There are also some Departments independent of any Faculty.

The INCOME of the Univ. is derived from the endowments of specific posts, from general endowment (though to a small extent only), from the fees of students, from the statutable contributions of Colls. and from a Treasury Grant.

DISCIPLINE outside the walls of the Colls. is maintained by the Proctors.

The COLLEGES (18 for men, 2 for women) are self-governing corporate bodies distinct from the Univ., owning and managing their separate property. Their powers are, however, limited by their statutes, which cannot be altered by them without notice to the Univ. and approval by the Privy Council. The functions of the Colls. in regard to students are to provide lodging, corporate life and personal tuition, while the function of the Univ. is to provide public

instruction by means of lectures and demonstrations, examinations leading to degrees and facilities for research. The affairs of the Colls. are, however, closely interwoven with those of the Univ. Most of the Fellows of Colls. are Univ. officers. Each Coll. is required by statute to contribute a certain fraction of its income to the funds of the Univ., the scale of contribution being graduated according to the College revenues.

The Colls. also maintain Fellowships for the furtherance of research, and a large number of Scholarships. The title of scholar is awarded on purely intellectual grounds, but no Coll. emolument other than an allowance for rooms is paid to an undergraduate scholar unless he satisfies the Coll. that his circumstances justify the payment.

NON-COLLEGIATE STUDENTS reside in licensed lodgings or in "Houses" recognized by the Non-Collegiate Students' Board. Such students by becoming members of Fitzwilliam House obtain opportunities for taking part in communal life (dining in Hall, belonging to athletic clubs, etc.) similar to those enjoyed by members of Colleges.

ADMISSION. *See* Appendix I.

The ADVISER TO OVERSEAS CANDIDATES FOR ADMISSION (N. S. Wilson, M.A. Pemb.), whose office address is 1A Rose Cresc., Cambridge (*Telephone*: Cambridge 57390), is prepared to correspond with applicants for admission (other than candidates for admission to courses of research) resident outside the U.K., and with Government Depts. and other agents acting on their behalf.

The UNIVERSITY HEALTH SERVICE (Sr. Univ. Health Service Officer—Sir A. F. Rook, M.A. Cath.) is part of the Dept. of Human Ecol.; first-year undergraduates are invited to attend for medical examn. in their first term. The service is housed in the University Health Centre, which includes a gymnasium, and is at Fenner's, the headquarters of the cricket and athletic clubs.

NON-MEMBERS OF THE UNIVERSITY. Under certain conditions persons who are not members of the Univ. may be admitted to courses of instruction or allowed to work in Univ. labs. for limited periods. Enquiries should be addressed to the Registrary.

INCORPORATION. Members of the Univs. of Oxford and Dublin (Trinity Coll.) may, under certain conditions, be allowed to "incorporate," *i.e.* be admitted to the status and degree in Cambridge which corresponds to that which they held in Oxford or Dublin.

AFFILIATION. Certain privileges affecting study are granted on admission to qualified members of a number of recognized Univs. and Colls., both U.K. and overseas.

TERMS. In order that a term may be counted towards qualifying for a degree, a student must reside within the Precincts of the Univ. during three-fourths of the term. Full terms (*i.e.* the periods of regular teaching): 1954–55: Oct. 5 to Dec. 3; Jan. 11 to Mar. 11; Apr. 19 to June 10; 1955–56: Oct. 5 to Dec. 3; Jan. 17 to Mar. 16; Apr. 17 to June 8.

DEGREES. B.A., M.A.; M.Litt., Litt.D., M.Sc., Sc.D.; B.D., D.D.; LL.B., LL.M., LL.D.; M.B., B.Chir., M.Chir., M.D.; Mus.B., Mus.M., Mus.D.; Vet. M.B.; Ph.D.

ARTS. The qualifications for the B.A. are: (i) 9 terms' residence; (ii) passing or being exempted from the *Previous Examn.*; (iii) passing the examns. for the Ordinary Degree or a Tripos examn. or examns.

Exemption from (i) to the extent of 3 terms can be obtained by students entitled to the privileges of *affiliation* (*see* Appendix I).

(ii) The *Previous Examn.* includes Latin or Greek, one other language, Maths. or Science, and English. Subject to certain provisos, natives of Asia or Africa who are not of European parentage may substitute papers in Arabic, Chinese, Sansk., Persian or Pali for the Latin papers. For details and exemptions, *see* Appendix I.

(iii) Ordinary Degree (All students must follow an honours course or a course for a Certificate of Proficiency in their first year): (*a*) First-year hons. examn. or an examn. for a Cert. of Proficiency, followed by two of these Special Examns., Latin, Greek, History, Law, English, each lang. regularly included in the Mod. and Mediæval Langs. and Oriental Langs. Triposes, Geog., Moral Science, Maths., each whole subject of Part I of the Natural Sciences Tripos. Or (*b*) the Examns. in *Agriculture*, (*c*) in *Estate Management*, (*d*) in *Architectural Studies*, (*e*) in *Engineering Studies* or (*f*) in *Christian Theology*.

Certain combinations of (*a*), (*b*), (*c*), (*d*), (*e*) and (*f*) are allowed, and also certain combinations of parts of (*a*) with parts of the course for the M.B. or the Mus.B., or with parts of a Tripos course.

Degree with Honours: obtained by gaining hons. in one or more (according to the regns.) of the following Triposes: Archæological and Anthropological, Chem. Engin., Classical, Economics, English, Geog., Hist., Law, Maths., Mech. Sci., Mod. and Med. Langs., Moral Sci., Music, Nat. Sci., Oriental Langs., Theol.

A Bachelor may be admitted Master of Arts at the end of 6 yrs. from the end of his 1st term, provided that not less than 2 yrs. have elapsed from his admission as B.A.

DIVINITY. A graduate may proceed to the B.D. when he is of not less than 5 yrs.' standing from his first degree, by submitting an original dissertation or published work. A B.D. of 3 yrs.' standing may proceed to the D.D. by submitting published works or a printed dissertation.

LAW. To qualify for the LL.B. it is necessary to pass the LL.B. examn. after having kept 9 terms and reached hons. standard in the Law Tripos, or taken the degree of B.A. and qualified for practice as a barrister or solicitor in England or Ireland, or as an advocate or law agent in Scotland. (For an Affiliated Student these requirements may be modified.) An LL.B. of not less than 2 yrs.' standing may be admitted to the degree of LL.M. by dissertation. Any graduate may be admitted LL.D., not less than 8 yrs. after admission to his 1st degree, if he has published one or more original contributions, approved for the purpose, to the advancement of the science or study of Law.

MEDICINE. The qualifications for the M.B. and B.Chir. are: (i) 9 terms' residence; (ii) passing (or exemption from) the *Previous Examn.*; (iii) at least 5 yrs.' Med. study; (iv) passing in due order several examns. (of which one must be a Tripos examn.). Admission to certain examns. is conditional on proof of diligent attendance on prescribed courses of lectures and practical work. Admission to the Final M.B. is conditional on proof of 5 yrs.' Med. study, of which 2 yrs. 9 mos. must have been spent in hospl. practice, and diligent attendance on prescribed courses of instruction and practical work. A person who has graduated M.B., B.Chir. may be admitted M.D. on submission of a thesis or dissertation when 8 yrs. have elapsed since admission to his first degree. A person who has graduated M.B., B.Chir. may be a candidate for the M.Chir. Degree Examn. when 2 yrs. have elapsed since passing the Final M.B. Examn.

VETERINARY MEDICINE. The course of study for the Vet. M.B. extends normally over 6 yrs. and the qualificns. required for the degree are: (i) 9 terms' residence; (ii) passing (or exemption from) the *Previous Examn.*; (iii) passing in due order several examns. (of which one must be a Tripos examn., usually the Nat. Sci. Tripos). Admission to certain examns. is conditional on the production of evidence of diligent attendance on courses of instruction and of practical experience.

MUSIC. The qualifications for the Mus.B. include (i) 9 terms' residence; (ii) passing (or exemption from) the *Previous Examn.*; (iii) passing two sections of the Mus.B. Examn. after reaching the honours standard in a part of the Music Tripos. The Mus.M. (by examn.) may be taken by Mus.B.s of at least 3 yrs.' standing.

Graduates of not less than 8 yrs.' standing from admission to their 1st degree who have given proof of distinction in musical composition may be candidates for the Mus.D.

The Ph.D., *see below* Research Students.

The Sc.D. and Litt.D. Either degree is open to a graduate of the University of not less than 8 yrs.' standing from admission to his first degree. These degrees are granted in consideration of published original contributions to the advancement of Science or Learning.

DIPLOMAS. The Univ. grants Diplomas in Agric., Agric. Sc., Anthrop., Archit., Class. Archæol., Comparative Legal Studies, Internat. Law, Economics, Education, Estate Management, Prehistoric Archæol., Mathematical Statistics, Numerical Analysis and Automatic Computing, and Oriental Langs., the diplomas in Anthrop., Prehistoric Archæol. and Orient. Langs. being open to non-members in certain exceptional circumstances.

The Diploma in Anthropology may be obtained after residence for one term only by Officers of any of the Public Services of the Empire, not ordinarily resident in the British Isles, having exceptional qualifications, or by Missionaries who have served abroad.

The Diploma in Prehistoric Archæology may be obtained, after instruction in Cambridge during an academical year, by persons approved in virtue of archæological experience in the field or of other qualifications.

Certificates of competent Knowledge of certain modern langs., open to members of the Univ. only, are awarded.

Certificates of Postgrad. Study in Nat. Sci. are awarded to grads. of the Univ. for advanced study and training in res. in certain specific scis.

The Course of MILITARY STUDIES arranged by the Univ. Board of Milit. Studies is for the time being in abeyance. The Air Squadron and the Training Corps (T.A.) continue to operate. Regular Commissions in the Army and R.A.F. are now granted direct to graduates. Sec., L. M. Harvey, M.A., Univ. Registry.

The DEPARTMENT OF EDUCATION (Prof. of Educn.—G. R. Owst, Litt.D. Emm.; Director of Women Students—Margaret A. Wileman, M.A. Oxon., M.A. Girton; Sec. of the Dept.—A. G. Hunt, M.A. Pet.), 17 Brookside, Cambridge (*Telephone*: Cambridge 4357), is under the general control of the Education Syndicate. Postgraduate students enter for the one yr.'s professional course leading to the Certificate in Education awarded by the Cambridge Institute of Education and, if graduates of another Univ., must become members of the Univ. of Cambridge. The Institute's examinations are not open to external students.

RESEARCH STUDENTS. Each application for admission must be made to the Secretary of the Board of Research Studies, and must be accompanied by (i) a diploma or other certif. of graduation at a Univ.; (ii) a statement of the course of research which the applicant desires to pursue, together with evidence of qualification, attainments and previous study; (iii) a statement of the degree, if any, for which the applicant wishes to be a candidate; (iv) a certif. or declaration of the applicant's date of birth. In exceptional cases persons who are not graduates may be admitted. The application is not granted unless it appears that (*a*) the course of research can conveniently be pursued within the Univ., and (*b*) that the applicant has produced adequate evidence that he is qualified to enter upon the proposed course. Before admission he is required to become a member of a College, or a Non-Collegiate Student. Sec. of the Board of Research Studies: L. M. Harvey, M.A. Correspondence should be addressed to the Secretary at The Old Schools, Cambridge (*Telephone*: Cambridge 54451).

A Research Student pursues his course under supervision and conditions prescribed by the Degree Committee of the Faculty concerned. If he should wish to obtain a degree elsewhere he may, after he has pursued his studies in the Univ. for not less than 2 terms with regularity and industry, receive a certificate to that effect signed by his supervisor and by the Vice-Chancellor. After a course extending over 2 yrs. and residence in the Univ. for at least 6 terms (Cambridge graduates, 3 terms) after admission as a Research Student, the M.Sc. or M.Litt. degree may be obtained. For the Ph.D. degree 3 yrs. are ordinarily required. One year of the 3 yrs.' course may be remitted if the applicant satisfies the Board of Research Studies that he has done at least a yr.'s satisfactory research work before admission to Cambridge Univ. For any degree 6 terms' residence is essential.

UNIVERSITY SCHOLARSHIPS AND STUDENTSHIPS, ETC., are generally open only to members of this Univ. For details *see Student's Handbook* (Univ. Press), which also gives details of College *Entrance* Scholarships. For POSTGRADUATE AWARDS open to graduates of other Univs., *see* Appendix II.

COMMONWEALTH EXHIBITIONS. Trinity Coll. is prepared to consider applications by students of Commonwealth Univs. for the grant of exhibns.; value £30 to £40 a yr. Holders must read for B.A., LL.B. or a Dipl. Candidates must apply through the principal authority of their Univ. Completed applications must reach the Senior Tutor, Trinity Coll. (from whom particulars should be obtained earlier), by May 1 in each yr. of an award.

EXPENSES. Since each student, in addition to Univ. fees, pays bills to a College (or to the Non-Collegiate Board), and the charges vary from College to College, a concise general estimate gives only a rough indication, which may be supplemented by particulars obtained from the College of the student's choice; but the total annual expenditure of a student, *exclusive of initial, occasional and additional expenses and of vacation expenses*, may be fairly estimated at not less than about £350.

The items on which this estimate is based include an allowance for board and lodging, personal expenses (books, travelling, clothes, clubs, etc.) together with Univ. and Coll. fees. The excluded initial expenses include caution money, which is returned when the student leaves the University (in certain Colleges caution money takes the form of a payment in advance, term by term, towards the next term's bill), College admission fee (£2 to £5), matricn. £5. The "occasional" fees are for examns., about £12, and degree fees, £3. The "additional" expenses include laboratory fees for technical and scientific

subjects (an additional £10 to about £25), and cost of attendance at long vacation courses.

The UNIVERSITY APPOINTMENTS BOARD (for names of officers *see* "Administrative and other Staff," p. 96) is responsible for all matters concerning employment suitable to members of the University. *Address*: 6 Chaucer Rd., Cambridge. *Telegrams*: Appointments, Cambridge. *Telephone*: 54242/3.

CAMBRIDGE UNIVERSITY WOMEN'S APPOINTMENTS BOARD, 6 Chaucer Road, Cambridge (*Telephone*: Cambridge 2629). Interviews by appointment only.

The UNIVERSITY LIBRARY contains over 1,500,000 vols., including many early printed books, and over 10,000 MSS. and 250,000 maps. It is entitled under the Copyright Act to a copy of every book published in Gt. Britain and Ireland, and a large number of foreign books and periodicals are acquired by purchase. It contains, amongst others, the following remarkable collections: Acton library (mediæval, ecclesiastical and modern history, 60,000 vols.); W. G. Aston's Japanese library; Sir T. Wade's Chinese books; J. W. Clark collection (Cambridge books, pamphlets, papers, etc.). The annual budget is about £65,000. In addition, there are Departmental Libraries, some of considerable importance.

Each College has a library. Among special collections in College libraries are: in Christ's College the Robertson Smith collection of Oriental books, many of which are connected with Semitic literature; in Gonville and Caius College 800 MSS., 60 incunabula, heraldic collections of Dr. John Knight (17th cent.), 1300 books and controversial pamphlets of Dr. Wm. Branthwaite (d. 1619), Norfolk and Suffolk topographical and genealogical works; in Girton College small collections of Oriental books, chiefly Sanskrit (Cowell) and Hebrew (Frere—printed catalogue), and Botany books and pamphlets (Ethel Sargant).

MUSEUMS. (*a*) Art and Archæology.

The Fitzwilliam Museum (Director—C. Winter, M.A. Trin.), Trumpington St., Cambridge (*Telephone*: Cambridge 4023), contains a large and valuable collection of paintings, drawings, engravings, Egyptian and Greek antiquities, ceramics, coins, illustrated MSS., autographs, early printed books and music.

The Museum of Classical Archæology (Curator—Prof. Jocelyn M. C. Toynbee, M.A. Newn.), Little St. Mary's Lane, Cambridge (*Telephone*: Cambridge 2410), contains a collection of casts illustrating the history of Greek sculpture.

The Museum of Archæology and Ethnology (Curator—G. H. S. Bushnell, M.A., Ph.D. Down.), Downing St., Cambridge (*Telephone*: Cambridge 4937), has a large and increasing collection, including Saxon urns and ornaments, casts of Central American monuments, Egyptian stone implements, unique Fijian collections, and numerous others resulting from scientific expeditions by Cambridge men.

(*b*) Science.

The following should be specially mentioned:

The Museum of Zoology (Director—F. R. Parrington, M.A. Sid.), Downing St., Cambridge (*Telephone*: Cambridge 2325).

Sedgwick Museum of Geology (Curator—A. G. Brighton, M.A. Chr.), Downing Street (*Telephone*: Cambridge 4129).

Whipple Museum of the History of Science (Acting Curator—A. R. Hall, M.A., Ph.D. Chr.), Corn Exchange St., Cambridge.

LABORATORIES AND FIELD STATIONS.

Laboratories include those of Agric., Anat., Biochem., Bot., Chem., Eng., Exper. Physics (Cavendish), Genetics, Hum. Anat., Ethnol., Med., Mineral.,

Parasit. (Molteno Inst.), Path., Physiol., Psychol., Zool., Chem. Eng. In addition the following should be specially mentioned :

Mathematical Laboratory (Director—M. V. Wilkes, M.A., Ph.D. Joh.), Corn Exchange St., Cambridge (*Telephone*: Cambridge 5174), for research on computing machinery.

Botanic Garden (Director—J. S. L. Gilmour, M.A. Cla.), Bateman Street, Cambridge (*Telephone*: Cambridge 4101).

Scott Polar Research Institute (Director—G. C. L. Bertram, M.A., Ph.D. Joh.), Lensfield Rd., Cambridge (*Telephone*: Cambridge 2983).

The OBSERVATORIES (Director—Prof. R. O. Redman, M.A., Ph.D. Joh.), Madingley Rd., Cambridge, are about a mile from Cambridge and have the Northumberland equatorial 12-in. aperture ; the Sheepshanks photographic equatorial 12¼ in. ; a number of smaller instruments, a good library and a small optical shop. The Solar Physics Observatory has the Newall telescope (25 in.), McClean cœlostat and spectrograph, Huggins telescopes, 3-foot reflector, etc.

The OXFORD AND CAMBRIDGE SCHOOLS EXAMINATION BOARD, established 1873, examines or inspects and reports on the work of schools which provide education of the highest grade. It also holds yearly examns. and awards a General Certificate of Education which exempts the holder, under certain conditions, from Responsions and the Previous Examination, the minimum entrance requirements of London and other Univs., and the Preliminary examns. of various professional bodies, etc. Its examns. are held at schools in the British Isles, and also in Egypt, the Middle East, the West Indies and British Guiana. For L.E.A. and State Scholps., *see* pp. 9-10. The Regulations of the Bd. are published by the Oxford and Cambridge Univ. Presses (post free 1s. 10d.). Secs.: at Cambridge—A. E. E. McKenzie, M.A. Trin., 10 Trumpington St. (*Telephone*: Cambridge 4658) ; at Oxford—G. J. R. Potter, M.A., 74 High St. (*Telephone*: Oxford 3549).

The UNIVERSITY OF CAMBRIDGE LOCAL EXAMINATIONS SYNDICATE, instituted in 1858, is one of the eight examining bodies in England and Wales approved by the Ministry of Education for Sec. school examns. Its membership includes Univ. members, principals of schools and representatives of Local Educn. Authorities. The Syndicate conducts school examns. in Gt. Britain and overseas and examns. in English for students whose mother tongue is not English.

General Certif. of Educn. The examn. for the General Certif. of Educn. (at Advanced and Scholarship levels in June and at Ordinary level in July and December) is entrusted to a School Examns. Committee, one-half of whose members are teachers appointed by the Joint Committee of the Four Secondary Associations. School teachers, as members of Subject Committees, and as examiners, take a prominent part in this examn. The Certif. exempts the holder, under certain conditions, from Univ. entrance requirements and the Preliminary Examns. of various professional bodies, and is endorsed by the Ministry of Educn. This Examn. is not normally held outside Europe. Special arrangements are made for examn. of members of H.M. Forces, for whom special syllabuses are in force. For L.E.A. and State Scholarships, *see* pp. 9-10.

School Examns. Overseas. The Oversea School and Higher School Certif. Examns. are held in December in India and Pakistan, Malaya, West and East Africa, the Federation of Rhodesia and Nyasaland, the West Indies, Mauritius and elsewhere in conjunction with the Educn. Authorities, and in schools for the British community in some foreign countries. In West Africa the School Certif. is awarded jointly with the West African Examns. Council and is named West African School Certif. In the Sudan it is awarded jointly with the

Sudan Examns. Council and is named Sudan School Certif. Government Scholps. to Univs. in Gt. Britain are awarded on these examns. in a number of colonies. The subjects of these overseas school examns. correspond closely to those of the General Certif. of Educn. and carry the same exemptions.

Examns. in English. These examns. for students whose mother tongue is not English are conducted in association with the British Council, and are held in Gt. Britain and about 48 countries overseas. The Certif. of Proficiency in English which exempts the holder from the entrance test in English at certain Univs., and the Diploma of English Studies, which is intended to be of the same standard as a first examn. for a Univ. hons. degree, carry the official approval of the Ministry of Education. There is also an examn. for a Lower Certif. in English.

The examn. for the *Cambridge Certificate in Religious Knowledge* is held in June; this Certif. is designed for teachers, Church Workers and others who desire a satisfactory proof of their knowledge of the subject.

Address from which full Regns. can be obtained (price, 1s. each for G.C.E. Exams. and Overseas Exams.)—Syndicate Buildings, Cambridge (*Telephone*: Cambridge 55217); Sec.: J. L. Brereton, M.A.; Asst. Secs.: T. S. Wyatt, M.A., A. V. Hardy, M.A., E. J. Saunders, M.A.; Assts to Secs.: Marie E. Overton, M.A., R. D. Moore, B.A. Lond., Janet M. Burchnall, B.A.

The BOARD OF EXTRA-MURAL STUDIES undertake the liberal education of adults, mainly in the Eastern Counties, and in a few centres further afield. The Workers' Educational Association, together with other voluntary associations and the Local Education Authorities, are represented on the Board and are closely associated in the arrangement of its teaching work. Consultation also takes place through the Regional Consultative Council for Adult Education in the Eastern Counties. The teaching of the Board consists mainly of (*a*) Univ. Tutorial Classes, extending over three winter sessions; (*b*) Univ. Sessional Classes, usually of 20-24 meetings; (*c*) Univ. Extension Lecture Courses, usually of 10-12 meetings; (*d*) other special courses, many of a pioneer type.

Staff. The Board employ a number of pt.-time tutors and lectrs., and have a staff of 14 full-time tutors and lectrs., including Resident Tutors in 7 county areas who, in addition to teaching, exercise a general supervision over the work of the Board and assist in the development of adult educn. in these areas.

Bursaries. The Board award annually bursaries to men and women in the adult educn. movement who have shown themselves to be capable of profiting by a course of Univ. study, but who, for various reasons, have not had the opportunity.

Summer Schools. The Board hold Vacation Courses, including (*a*) an annual Summer School, in co-operation with the W.E.A., mainly for students from Tutorial and Sessional Classes, including a training course for potential tutors in adult educn.; (*b*) Vacation Courses for students from overseas, mainly Europe; (*c*) Occasional Summer Schools, in co-operation with Facs. or Depts. of the Univ., to meet special requirements. For an experimental period the Univ. has placed Madingley Hall at the disposal of the Board in vacations, and the Board have arranged there a considerable number of residential courses for adults.

Further particulars from the Sec., G. F. Hickson, M.A. Cla., Stuart House, Cambridge (*Telephone*: Cambridge 56275). Asst. Secs.: G. H. Pateman, Hon. M.A. Trin.; F. E. Bell, M.A. Pet.; J. M. Y. Andrew, M.A. Cath.

INSTITUTE OF EDUCATION (2 Brookside, Cambridge. *Telephone*: Cambridge 56207/8). The Univ. Dept. of Educn. is a corporate member of the Cambridge

Inst. of Educn. Dir.: W. O. Bell, M.A. Cath.; Sec.: F. F. C. Edmonds, M.A. Qu.

PUBLICATIONS. The *Camb. Univ. Reporter*, weekly during term, 3d. a copy, terminal subs. 2s. 6d., or by post 5s. 6d.; *Statutes and Ordinances* (fresh editions every 3 yrs.), 21s., Annual Supplements, 7s. 6d.; *The Student's Handbook*, 10s. 6d., annually; *Facilities for Study and Research*; *Compendium of Univ. Regns.*, 9d.; *Endowments of the Univ.*, 1904, 10s. 6d.; *Alumni Cantabrigienses*, ed. J. and J. A. Venn (Pt. I, for the yrs. to 1751, 4 vols.; Pt. II, 1752–1900, 6 vols.), £10 : 10s. each vol.; *Matricns. and Degrees* (a list of all those who entered the Univ.): 1544–1659, 55s.; 1851–1900, 25s.; 1901–1912, 15s.; the *Annual Register*, 15s.; the *Historical Register*, 30s.; *Historical Register Supplement*: 1911–20, 12s. 6d.; 1921–30, 18s.; 1931–40, 18s.; 1941–50, 21s. *Index to Tripos Lists*, 1748–1910, 12s. 6d.; *An Introduction to Cambridge*, by S. C. Roberts, 6s.; *University Ceremonies*, by H. P. Stokes, 12s. 6d.; *The Cambridge Pocket Diary*, annually in Oct., 5s. 10d. These may be had from the Cambridge Univ. Press, Bentley House, 200 Euston Rd., London, N.W.1, and from all booksellers.

Histories, etc.: (*a*) *Annals of Cambridge*, by J. W. Cooper (5 vols.); (*b*) *The Univ. of Cambridge*, by J. B. Mullinger (3 vols. to the later 17th cent.); (*c*) College Histories; (*d*) *Architectural History of Cambridge*, R. Willis and J. W. Clark, 4 vols.; (*e*) D. A. Winstanley: *The University of Cambridge in the 18th Century*, 1922; *Unreformed Cambridge*, 1935; *Early Victorian Cambridge*, 1940; *Later Victorian Cambridge*, 1947.

Magazines (unofficial): The *Cambridge Review*, *Varsity* (undergraduate newspaper), the *Granta* from time to time.

CAMBRIDGE UNIVERSITY PRESS (for names of staff *see* "Administrative and other Staff," p. 96), Trumpington St., Cambridge (*Telephone*: Cambridge 4226); Bentley House, 200 Euston Rd., London, N.W.1. (*Telegrams*: Cantabrigia, Norwest, London; *Telephone*: Euston 5451); 32 East 57th Street, New York, 22, U.S.A. (*Telephone*: MU-8-8888.)

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. American Cyanamid Co., $3000 for res. on Org. Chem. and Biochem.; late Earl Baldwin; Christ's Coll.; M. El-Darwish; English Electric Co.; Ford Foundation, $5500 for res. in Dept. of Archæol. and Anthropol.; late Misses Gardiner, about £20,000 to enable Irish students to proceed to the Univ.; George Ellison Ltd.; D. Napier and Son Ltd.; Nuffield Foundation, £34,750 for various res. projects; C. Peignot; Roche Products Ltd., £500 a yr. for 3 yrs. for res. on Chemical Radiosensitizers; Rockefeller Foundation, $10,500 for res.; Rolls-Royce Ltd.; Rotol Ltd.; S. Storey's Trustees, about £17,780 for res. on Leukaemia and allied diseases; Vauxhall Motors Ltd., £6000 for res. in Dept. of Physical Chem.

NEW BUILDINGS. New bldgs. for Depts. of Radiotherapeutics and Med. were completed and put into use. Work continues on the Chem. Lab. and Vet. Sch. Considerable extensions are being made to the Botanic Garden.

NEW POST. Smuts Professorship of the Hist. of the British Commonwealth established.

NEW REGULATIONS. Regns. for Dipl. in Numerical Analysis and Automatic Computing and for Certs. of Postgrad. Study in Nat. Sci. approved.

RETIREMENTS. J. T. Saunders (Sec. Gen. of Facs.), apptd. Principal, Univ.

Coll., Ibadan; H. Claye (Asst. Registrary). *Professors*: C. D. Broad (Moral Philos.); L. J. Mordell (Pure Maths.); J. B. Trend (Span.). *Lecturers*: P. Gardner-Smith (Div.); R. G. D. Laffan (Hist.).

RESIGNATIONS. W. W. Grave (Registrary), apptd. Principal, Univ. Coll. of the W. Indies. *Professors*: Sir J. E. Lennard-Jones (Theor. Chem.), apptd. Principal, Univ. Coll. of N. Staffs.; R. A. B. Mynors (Latin), apptd. Corpus Christi Prof. of Latin, Oxon. U. *Reader*: A. M. McFarlan (Human Ecol.). *Lecturers*: A. d'A. Bellairs (Anat.), apptd. Reader in Anat., St. Mary's Hosp. Med. Sch., Lond. U.; R. E. Hughes (Agric.); N. Kemmer (Maths.), apptd. Tait Prof. of Nat. Philos., Edin. U.; Miss E. J. Lindgren (Archæol. & Anthropol.); B. Lythgoe (Chem.), apptd. Prof. of Chem., Leeds U.; H. C. C. Moule (Mus.); E. G. Sterland (Engin.); Miss E. M. Verini (Educn.); J. M. Wilkie (Div.). *Demonstrators*: A. S. Baxter (Phys.); D. B. Cater (Pathol.); R. I. B. Cooper (Geod. & Geophys.); N. B. Finter (Pathol.); J. S. Habgood (Pharm.); W. M. Keynes (Anat.); W. S. MacKenzie (Mineral. & Petrol.); J. P. R. Riches (Bot.), apptd. Lectr. in Bot., Adel. U.; V. C. Robertson (Agric.); Miss E. Watchorn (Biochem.). *Asst. Lecturers*: E. S. Barnes (Maths.), apptd. Reader in Maths., Syd. U.; B. C. McKillop (Chinese), apptd. Res. Fellow in Far Eastern Hist., A.N.U.; G. M. Meredith-Owens (Persian).

DEATHS. Sir M. S. D. Butler (formerly Master of Pembroke Coll. and Mayor of Cam.); F. H. H. Clark (formerly President and Dean of Magdalene Coll.); Sir W. C. D. Dampier (Sr. Fellow of Trinity Coll.); R. G. Heard (Fellow and Dean of Peterhouse, Univ. Lectr. in Divinity); T. S. Hele (formerly Master of Emmanuel Coll. and Vice-Chancellor); T. C. Hodson (formerly Fellow of St. Catharine's Coll., Emer. Prof. of Soc. Anthropology); J. Macgregor (Queens' Coll., Dir. of Sch. of Archit.); Sir E. H. Minns (Sr. Fellow of Pembroke Coll., Emer. Prof. of Archæol.); Canon G. A. Weekes (formerly Master of Sidney Sussex Coll. and Vice-Chancellor); Sir P. H. Winfield (Fellow of St. John's Coll., Emer. Prof. of English Law).

HONORARY DEGREES. *D.D.*—Most Rev. Y. Brilioth, Primate of Sweden and Abp. of Uppsala. *LL.D.*—H.R.H. the Duke of Edinburgh; H.R.H. the Duchess of Kent; *B. Ahmad, Vice-Chancellor, Univ. of Panj., Lahore; Rt. Hon. Sir O. S. Franks; W. W. Grave, Prin., Univ. Coll. of the W. Indies; Miss M. L. D. Grier; *F. C. James, Prin. and Vice-Chancellor, McG. Univ.; J. Nehru, Prime Minister of India; Sir D. H. Parry, Prof. of Engl. Law and Dir. of Inst. of Adv. Legal Studies, Lond. Univ.; *H. R. Raikes, Prin. and Vice-Chancellor, Univ. of Witwatersrand; *J. Williams, Prin., Victoria Univ. Coll., N.Z. *Litt.D.*—T. Mann; *Sir S. Radhakrishnan, Chancellor, Delhi Univ.; G. M. Young. *Sc.D.*—Sir J. D. Cockcroft; *H. R. Dew, Bosch Prof. of Surg. and Dean of Fac. of Med., Syd. Univ.; Sir F. Whittle. *Mus.D.*—Sir A. C. Boult. *M.A.*—Rt. Rev. L. W. Brown, Lord Bishop of Uganda.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	7129	..
Women	710	..
Total	7839	..

* Degrees conferred at a Congregation held before the official opening of the Seventh Congress of the Universities of the Commonwealth, July 1953.

Postgraduate students, 1170.

First-yr. students reading for first degrees, etc., 2147.

Students from other countries, 810. (Countries from which largest numbers came : U.S.A., 102 ; India, 84 ; Australia, 82 ; South Africa, 82 ; Canada, 52 ; New Zealand, 40 ; Ceylon, 32 ; Egypt, 28 ; Pakistan, 27 ; Fed. of Malaya, 20.)

DEGREES. B.A., 2071 ; M.A., 1609 ; B.D., 3 ; LL.B., 44 ; LL.M., 1 ; LL.D., 1 ; M.Litt., 2 ; Litt.D., 1 ; M.B., B.Chir., 295 ; M.Chir., 5 ; M.D., 36 ; Mus.B., 6 ; Ph.D., 193 ; M.Sc., 7 ; Sc.D., 10.

[*Information compiled as at* 14/6/54 ;
Staff list revised on 2/9/54.]

UNIVERSITY OF DURHAM*

Founded 1832

Postal Addresses (University Offices) :

46 North Bailey, Durham, England. *Telephone*: Durham 900-901.
23 St. Thomas' Street, Newcastle upon Tyne, 2, England. *Telephone*: Newcastle 21278.

(Correspondence should be addressed to the Durham office unless otherwise indicated.)

VISITOR—THE LORD BISHOP OF DURHAM.

CHANCELLOR—GEORGE MACAULAY TREVELYAN, O.M., C.B.E., M.A. Camb., D.C.L. Oxon., LL.D. St. And., Edin., Sheff., Liv., Litt.D. Camb., Harv., Yale, Manc., D.Lit. Lond., D.Litt. Nott. and Durh., F.R.S., F.B.A.

VICE-CHANCELLOR †—Sir JAMES DUFF, M.A. Camb., M.Ed. Manc., LL.D. Aberd., D.C.L., Warden of the Durham Colleges.

PRO-VICE-CHANCELLOR †—CHARLES ION CARR BOSANQUET, M.A. Oxon. and Camb., D.C.L., Rector of King's College, Newcastle upon Tyne.

HON. TREASURER—Sir THOMAS BRADFORD, D.S.O., D.C.L., D.L.

REGISTRAR—E. M. BETTENSON, M.A. Camb.

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICES. Asst. Registrars: G. A. Chadwick, B.Sc. Liv., I. E. Graham, M.A. Edin. Financial Clerk: C. E. Stobart.

APPOINTMENTS BOARD OFFICE. Appts. Officer: W. N. Austin. Dep. Appts. Officer: H. V. Walters, B.Sc., Ph.D. Lond., F.I.P. Asst. Appts. Officers: T. C. Archbold, B.Sc.; B. E. Q. Smith, B.Sc. (Econ.) Lond.

SCHOOL EXAMINATIONS BOARD OFFICE, 6 Eldon Place, Newcastle upon Tyne. Sec.: A. B. Sainsbury, M.A. Oxon.

DIVISIONS OF THE UNIVERSITY

Durham Colleges: *see* p. 127.
King's College, Newcastle upon Tyne: *see* p. 136.

AFFILIATED COLLEGES

A. Colleges in which students may matriculate, keep terms, and pass examns., and so qualify without coming to England for the B.A., M.A., B.D., D.D., B.C.L. and D.C.L. degrees:

* Member of the Association of Universities of the British Commonwealth.
† The Warden of the Durham Colls. and the Rector of King's Coll. are alternately Vice-Chancellor and Pro-Vice-Chancellor for 2-yr. terms.

CODRINGTON COLLEGE, Barbados, British West Indies. Trustees (under the will of Christopher Codrington, who died in 1710)—The Society for the Propagation of the Gospel; affiliated to the Univ. of Durham in 1875; Visitor—The Lord Bishop of Barbados; Principal—Rev. C. A. Sayer, B.A. Leeds. Approx. 12 Univ. level students.

FOURAH BAY COLLEGE, P.O. Box 87, Freetown, Sierra Leone, W. Africa. Founded in 1827 by the Church Missionary Society. Affiliated to Univ. of Durham in 1876. In 1918 the Wesleyan Missionary Society became associated with the C.M.S. in the control of the Coll. In 1950 the Coll. was reorganized under the govt. of a Council and received financial support from the Govt. of Sierra Leone. Visitor—The Bishop of Sierra Leone; Deputy Visitors—The Lord Chief Justice, the Colonial Secretary; Principal—F. R. Dain, M.A., Dip.Ed. Oxon.; Vice-Principal and Hd. of Univ. Dept.—J. J. Grant, M.A., Ed.B. Glas. Approx. 106 Univ. level students.

B. College affiliated in the Schools of Mechanical, Marine, Civil and Electrical Engineering:

SUNDERLAND TECHNICAL COLLEGE, Sunderland, Co. Durham (*Telephone*: Sunderland 4447). Founded in 1901. Affiliated in 1930 under the University of Durham Act, 1908. The Coll. is represented on Senate and on the Bd. of the Fac. of Appl. Sci. Principal—D. A. Wrangham, M.Sc. Lond., D.I.C. Approx. 150 Univ. level students.

GENERAL INFORMATION

The University was established in 1832. The College of Medicine, founded in Newcastle in 1834, was associated with the Univ. first in 1852 and more closely in 1870. The Durham College of Physical Science, later Armstrong College, was founded in 1871 in Newcastle as a part of the Univ. The reconstitution of 1908 brought the Durham Colleges, the College of Medicine and Armstrong College into a closer relationship. The reconstitution of 1937 carried the process further, establishing a central financial control. It also merged the two Newcastle Colls. in King's College, Newcastle upon Tyne.

CONSTITUTION. The University is governed by a Visitor, Chancellor, Vice-Chancellor, Pro-Vice-Chancellor, Convocation, Court, Senate and Boards of Faculties. It includes two Divisions, namely, the Durham Division and the Newcastle Division. The Durham Division is governed by a Council, an Academic Board and a Warden; the Newcastle Division by a Council, an Academic Board and a Rector. The Warden and Rector are alternately Vice-Chancellor and Pro-Vice-Chancellor of the University for two-year terms.

Convocation is the body of grads. which may make representations to the Univ. on any Univ. matter. The Court appts. Profs. and Readers on the recommendation of Senate, determines the allocation of all funds at the disposal of the Univ., and represents the Univ. in all negotiations for obtaining grants from public bodies. Senate determines the conditions on which academic distinctions are awarded and is the supreme governing and executive body of the Univ. in all academic matters. The Divisions control admissions to courses and all teaching. The Councils are the governing and executive bodies of the Divisions and are advised on academic matters by the Academic Boards.

For the Divisions and affiliated Colls., *see below* and pp. 121-122.

INCOME (1952–53). £896,132, including recurrent Treasury Grant allocated to the Divisions (Durham Division, £174,000; Newcastle Division, £667,000).

LIBRARIES. *See under* the Divisions.

FACULTIES AND DEANS. *Agriculture*, Prof. M. M. Cooper; *Applied Science*, Prof. L. C. Burrill (Naval Archit.); *Arts*, Prof. J. E. Butt (Engl.); *Econ. Studies*, ... ; *Education*, Prof. J. P. Tuck; *Law*, Prof. E. C. Ryder; *Medicine*, Prof. R. B. Green; *Music*, Prof. A. J. B. Hutchings; *Science*, Prof. G. H. J. Daysh (Geog.); *Theology*, Prof. H. E. W. Turner.

ADMISSION. *See* pp. 133 and 148, and Appendix I.

DEGREE COURSES. B.A., B.Sc. (in Sci., Appl. Sci. or Agric.), B.A. (Econ. Studies),* 3 yrs. (for Hons., 3 or 4 yrs.); Hons. may be awarded with the gen. degree in Sci.; B.A. (Soc. Studies), B.A. (in Oriental Studies), LL.B., 3 yrs.; B.A. (in Fine Art), 4 yrs.; B.A. (Town and Country Planning), B.Arch., 5 yrs.; M.B., B.S., 6 yrs. of Med. study (3 yrs. at least in Med. School at Newcastle); B.D.S., 6 yrs.; B.Mus. (External).

HIGHER DEGREES. B.D., 9 terms. D.D., 10 yrs. from B.A., 5 yrs. from B.D. M.A., 6 terms from graduation (except in Music); M.Litt., 3 yrs.; M.Ed., 3 yrs.; D.Litt., 10 yrs. from B.A.; B.C.L., 6 terms from B.A.; D.C.L., 10 yrs. from B.A. M.D., 2 yrs. from M.B., B.S.; D.Ch., 6 yrs. from M.B., B.S.; D.Hy., 6 yrs. from M.B., B.S.; M.D.S., 2 yrs. from B.D.S. M.Sc., 2 yrs. from B.Sc.; D.Sc., 4 yrs. from M.Sc. or Ph.D., or 6 yrs. from B.Sc. D.Mus., 15 terms from B.Mus. M.Com., 2 yrs. from B.Com. LL.M., 2 yrs. from LL.B. or B.C.L. Ph.D., 2 yrs. from admission as candidate.

Grads. of other Univs. are admissible to the following higher degrees, after pursuing studies indicated: M.Litt., 3 yrs. under supervision; M.Com., not less than 2 yrs. and not more than 4 yrs. in a course of advanced study or research under supervision; M.Ed., 2 yrs. full-time, 3 yrs. pt.-time, under supervision; M.Sc., not less than 2 yrs.' advanced study or research under supervision; M.D.S., not less than 2 yrs.' advanced study or res. under supervision; D.Mus., on examn.; LL.M., not less than 2 yrs.' and not more than 4 yrs.' advanced study or res. under supervision; Ph.D., not less than 2 yrs.' full-time advanced study or res. under supervision in the Univ.

LICENCE. *Dental Surgery*, open to matriculated students after 4 yrs.' professional study subsequent to registration.

DIPLOMAS. *Theology*—open to grads. of a Univ. of the British Commonwealth after 6 terms at Durham. *Biblical Studies*—open to grads. of approved Univs. after 3 terms' course. *Foreign Languages*—open to grads. of the Univ. in any Fac. except Music. *Anthropology*—open to grads. of approved Univs. after 2 yrs.' course. *Arabic*—3 terms' course. *Architecture*—5 yrs.' course. *Town Planning*—open to holders of a Cert. in Town Planning after 3 terms' course. *Landscape Design*—3 terms' course. *Public Health*—open to candidates who hold a Cert. in Public Health after 3 terms' pt.-time course. *Psychological Medicine*—open to candidates who have held a registrable medical qualifícn. for not less than 2 yrs. and a resident hosp. appt. in general med., after an approved course. *Agriculture*—3 winters of 2 terms each. (Course suspended until further notice.) *Applied Electronics*—open to grads. in pure or appl. sci. of approved Univs. after 3 terms' course. *Mining*—3 yrs.' course (suspended until further notice). *Public Health Engineering*—open to grads in appl. sci. (civil engin.) of approved Univs. after 1 yr.'s course. *Economic Studies*—2 yrs.' course.† *Public Administration*—2 yrs.' course.

* Replaced B.Com. as from Oct. 1952.
† Replaced Dipl. in Commerce as from Oct. 1952.

Education (awarded by Inst. of Education)—open to grads. of approved Univs. after 1 yr.'s course.

CERTIFICATES. *Biblical Studies*—3 terms' course. *Social Studies*—2 yrs.' course. *Public Health*—open to candidates who have held a registrable med. qualificn. for not less than 2 yrs. after 2 terms' pt.-time course.

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II.

FEES. Matricn., £2. Examns.: B.A., B.Arch., LL.B., B.Sc., £7 : 10s.; B.A. Fine Art, £6; M.B., B.S., £28; B.D.S., £18; M.A., £6; M.Litt., M.Sc., M.Com., LL.M., £8; Ph.D., M.D., M.D.S., £10; D.D., D.Sc., D.C.L., D.Litt., D.Hy., D.Ch., £15; B.D., £13; B.C.L., M.Ed., £12; B.Mus., £14; D.Mus., £9.

Degrees—for initial degrees, £4 (B.Mus., £5); for Masters' Degrees, B.C.L., B.D., Ph.D., £5; for higher doctorates, £10 (D.Mus., £15).

For Tuition Fees, *see under* Durham Colleges and King's College.

ACADEMIC YEAR. Oct. to June. 3 terms (Durham Colls., 8 or 9 wks. each; King's Coll., Newcastle upon Tyne, 9½ or 10½ wks. each).

The UNIVERSITY APPOINTMENTS BOARD is concerned with appts. of all kinds. Its activities cover both the Durham Colls. and King's Coll., Newcastle upon Tyne. Addresses: 46 North Bailey, Durham (*Telephone*: 900-901), and 10 Kensington Terrace, Newcastle upon Tyne (*Telephone*: 26351).

EXTRA-MURAL WORK. In conjunction with the N. District of the W.E.A., the Univ. in its two Divisions provides Tutorial Classes, Sessional Classes and Univ. Extension Courses in a wide variety of subjects for extra-mural adult students in the counties of Durham, Northumberland, Cumberland and Westmorland. These classes are conducted by divisional Bds. for Extra-Mural Studies under the Ministry of Educn. Regs. for Adult Educn. and are partly financed by grants from the Ministry and from L.E.A.s.

GRADUATES' ASSOCIATIONS. The Durham University Society (London) was founded in 1921. Meetings held in London. Hon. Sec.: Rev. E. B. Murray, St. Mary with St. Chad Vicarage, Nichols Sq., London, E.2. Graduate assocns. also exist in most or all of the Colls. in the Univ. (*see under* King's Coll.).

UNIVERSITY NAVAL, MILITARY AND AIR FORMATIONS. The Durham University Unit of the Royal Naval Volunteer Reserve provides pre-service training for students who wish to undertake their National Service in the Royal Navy or who wish to make it their career. Facilities are also provided for students who wish to continue their naval trg. Information from H.M.S. Calliope, Elswick, Newcastle upon Tyne, 4.

The University Training Corps (T.A.) provides pre-service military trg. for students who have deferred their national service, and post-service military training for ex-Service students who have part-time military obligations to discharge in the Territorial Army. Information from Adjutant, H.Q., Durham Univ. Contingent of the U.T.C., 2 Lovaine Place, Newcastle upon Tyne, 2.

The University of Durham Air Squadron provides training during their Univ. career for members of the Univ. who wish to prepare themselves for commissioned service in the R.A.F. or in the R.A.F. Auxiliary and Reserve Forces. Information from Sec., Durham Univ. Air Squadron, 7 Windsor Crescent, Jesmond, Newcastle upon Tyne.

The Durham University Company W.R.A.C. provides training for women undergrads. who may wish to take regular or short service commissions in the W.R.A.C. or other Corps open to women on completion of their Univ. course, and provides further military educn. for ex-Service women undergrads. who

have reached commissioned rank during whole-time service in the women's forces. Information from C.O., W.R.A.C., 2 Lovaine Place, Newcastle upon Tyne, 2.

INSTITUTE OF EDUCATION. The Inst. examines students in the Univ. Depts. of Educn., and in Training Colls. associated with the Univ. through the Inst., and provides facilities for further study for teachers already qualified and in practice. The Inst. awards the Univ.'s dipl. in education (open to grads. of approved Univs.) after 1 yr.'s course. The headquarters of the Inst. are at Kepier Terrace, Gilesgate, Durham (*Telephone*: Durham 1380), and the Newcastle office is at 10 Leazes Terrace, Newcastle upon Tyne, 1 (*Telephone*: Newcastle 28604).

Staff of Institute. Dir.—B. Stanley, M.A. Oxon. Staff Tutors—Mary B. Atkinson; R. D. Bramwell, M.A. Birm.; W. Fawcus; Mrs. Winifred Fawcus; R. Morris, M.A. Oxon.; Dorothy Shutt; J. M. Thyne, M.A., Ed.B. Glas.; Mabel F. Wilson, B.A. Librarian—..... Admin. Assts.—Elsie Wightman (Sec. for Examns.); B. G. Foord, B.Sc. (Econ.) Lond.

Training Colleges. Alnwick Training College (Principal—Winifred Taylor, B.Sc.); Bede College, Durham (Principal—Rev. Canon G. E. Brigstocke, M.A. Oxon.); Darlington Training College (Principal—Olive M. Stanton, M.A. Camb. and Birm.); Domestic Science College, Newcastle upon Tyne (Principal —Irene Rowland, M.A. Lond., B.Sc. Liv., B.Sc.; Kenton Lodge Training College, Newcastle upon Tyne (Principal—Mary A. Robson, M.A. Manc.); Neville's Cross College, Durham (Principal—Netty M. Luman, M.A. Oxon.); St. Hild's College, Durham (Principal—Nina M. E. Joachim, M.A. Oxon.); St. Mary's College, Fenham, Newcastle upon Tyne (Principal—Madame Angela M. Ward, M.A. Lond.); Sunderland Training College (Principal— Alice H. Williamson, M.A. Edin.); Wynyard Hall Training College (Principal— Sophie C. Bertie, M.Ed.).

PUBLICATIONS. *Univ. Calendar* (Oct.), Vol. I.—Almanack, Statutes, Lists, etc.; Vol. II.—Regulations for Degrees: 7s. 6d. per vol.; List of *Graduates of the University* (1954); *Univ. of Durham Gazette*; *Durh. Univ. Journal* (oldest Univ. Mag. in England), once a term, 2s.; *Riddell Memorial Lectures* (Annual), 5s.; *The University of Durham 1832–1932*, by C. E. Whiting (Sheldon Press, London: 1932); *The Newcastle upon Tyne School of Medicine 1834–1934*, by Turner and Arnison (Andrew Reid & Co. Ltd., Newcastle upon Tyne: 1934).

PUBLICATIONS BOARD. The Bd. is a cttee. of Senate. It was founded in 1950 in order to arrange for the publicn. of a series of monographs, sponsored by the Univ. and known by a name associating them with the Univ., but published by the Oxford Univ. Press. The Bd. expects to publish about 2 vols. a yr. So far, the Bd. has published 4 works and has accepted a further 2 for publicn.

THE YEAR 1952–53

VISITOR. Dr. A. M. Ramsey, formerly Regius Prof. of Divinity at Camb., enthroned as Bishop of Durham on Oct. 18, 1952, thus becoming *ex-officio* Visitor of the Univ. Dr. Ramsey was Van Mildert Prof. of Div. at Durh., 1940–50.

PRINCIPAL CHANGES IN REGULATIONS. Regns. approved for new Dipl. in Pub. Health Engin., open to grads. in Appl Sci. (Civil Engin.) of approved Univs. after 1 yr.'s course.

DEATHS. Prof. H. M. Hallsworth (David Dale Prof. of Econ. at Newcastle, 1912–34); Emer. Prof. C. J. Hawkes (Prof. of Engin. at Newcastle, 1920–45); Emer. Prof. J. L. Morison (Prof. of Mod. Hist. at Newcastle, 1922–40); Rev. Canon E. G. Pace (Reader in Div. at Durh., 1921–47); Emer. Prof. Rev. C. E. Whiting (Prof. of Hist. at Durh., 1931–39).

HONORARY DEGREES. *D.D.*—E. Molland, Prof. of Eccles. Hist., Oslo U. *D.C.L.*—G. F. J. Cumberlege, Publisher to Oxon. U. since 1945; H. M. Spink, formerly Dir. of Educn. for Northumberland; *Dr. T. Alty, Vice-Chancellor and Principal, Rhodes U.; *Dr. W. A. Mackintosh, Vice-Chancellor and Principal, Queen's U., Ont.; *Sir A. Ramaswami Mudaliar, Vice-Chancellor, Trav. U.; *Prof. S. H. Roberts, Vice-Chancellor, Syd. U.; *Dr. J. E. W. Sterling, President, Stan. U. *D.Litt.*—Sir Harold Nicolson, author and critic. *D.Sc.*—A. Fleck, Chairman-elect of I.C.I., Ltd., Member of Durh. Colls. Council; R. W. L. Gawn, Supt., Admiralty Experiment Works, Haslar. *M.A.*—G. E. Fawcus, Treasurer, Durh. Colls., 1943–51; Mrs. Martha S. Gordon, Member of Univ. Court and of Durh. Colls. Council. *M.Sc.*—E. G. Clark, Sec., Inst. of Civil Engineers.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	3352	182
Women	869	61
Total	4221	243

Postgraduate students, 461.

New admissions, 1190.

Students from other countries, 339. (Countries from which largest numbers came: British W. Africa, 59; Norway, 43; India, 22; Mauritius, 19.)

DEGREES AWARDED. *Archit.*: B.Arch., 14. *Agric.*: B.Sc., 41; M.Sc., 7; Ph.D., 8.; *Appl. Sci.*: B.Sc., 165; M.Sc., 8; Ph.D., 2; M.Sc. (Agric. Eng.), 13. *Arts*: B.A., 326; M.A., 8; Ph.D., 4; M.Litt., 4; B.C.L., 1. *Commerce*: B.Com., 12; M.Com., 1. *Education*: M.Ed., 5. *Law*: LL.B., 7. *Med. (incl. Dent. Surg.)*: M.B., B.S., 95; M.D., 7; B.D.S., 24. *Music*: B.Mus., 5. *Sci.*: B.Sc., 256; Ph.D., 22; M.Sc., 12; D.Sc., 1. *Total number of first degrees awarded*, 945.

DIPLOMAS. Arabic, 2; Archit., 9; Biblical Studies, 1; Educn., 191; Landscape Design, 8; Pub. Admin., 5; Theol., 12; Town Planning, 5.

CERTIFICATES. Biblical Studies, 2; Soc. Studies, 2.

LICENCES. Dent. Surg., 32; Theol., 1.

* Degrees conferred at a Special Congregation during visit of Executive Heads of Commonwealth Universities in July 1953.

[*Information compiled as at* 31/5/54 ;
Staff list revised on 27/9/54.]

THE DURHAM COLLEGES

Founded 1832

Postal Addresses:
Offices of Warden, Treasurer and Secretary : 38 North Bailey, Durham, England (*Telephone* : Durham 300-301).
Librarian : Palace Green, Durham, England (*Telephone* : Durham 654).

WARDEN—Sir JAMES DUFF, M.A. Camb., M.Ed. Manc., LL.D. Aberd., D.C.L. (Vice-Chancellor of the University).

SECRETARY—S. HOLGATE, M.A., Ph.D.

TREASURER—Col. J. C. R. FITZGERALD-LOMBARD, O.B.E., M.A. Camb.

LIBRARIAN—D. G. RAMAGE, M.A. Edin., F.L.A.

TEACHING STAFF

Archæology

Birley, E., M.B.E., M.A. Oxon., F.S.A.
(A. and Roman Frontier Studies) Reader.
1 Jr. Res. Asst.

Botany

Valentine, D. H., M.A., Ph.D. Camb., F.L.S.
Prof., Dean, Fac. of Sci.

Lecturers

Chalklin, Kathleen M., M.Sc. Wales.
Crosby, J. L., M.A., Ph.D. Camb.
Banbury, G. H., B.Sc. Lond.
1 Jr. Res. Asst.

Chemistry

Coates, G. E., M.A., B.Sc. Oxon.
Prof.
Martin, G. R., B.Sc. Lond. (Radiochem.)
Reader.
Christie, G. H., M.Sc., Ph.D. Sheff., F.S.A.
Sr. Lectr.

Lecturers

Gibby, C. W., M.Sc., Ph.D. Lond., F.R.I.C.
Musgrave, W. K. R., B.Sc., Ph.D. Birm.
Kohnstam, G., B.Sc., Ph.D. Lond.
Thomson, S. J., B.Sc., Ph.D. Glas. (Radiochem.).
Wilkinson, J., Ph.D. Edin.
Res. Fellow.
Sutin, N., M.Sc. Cape T.
I.C.I. Fellow.
Jocelyn, P. C., B.A., D.Phil. Oxon.
Pt.-time Lectr.
1 Jr. Res. Asst.

Classics

Woodcock, E. C., M.A. Camb. (Lat.)
Prof.
Skemp, J. B., M.A. Camb., Ph.D. Edin. (Gk.)
Prof.
Wright, R. P., M.A. Camb., F.S.A.
Sr. Lectr.

Lecturers

Williams, R. T., M.C., B.A. Wales.
Collinge, N. E., M.C., M.A. Camb.
Badian, E., M.A. N.Z., B.A. Oxon.
Bargrave-Weaver, D., M.A. Camb.
Jenkinson, Edna M., B.A., Ph.D. Camb.
Mills, K. W., B.A. Oxon.

Sandys-Wood, A. L., B.A. Brist., M.A. Camb., B.Litt. Oxon. Pt.-time Lectr.

Education

Eaglesham, E. J. R., M.A., B.Ed. Edin., LL.B. Lond. Prof.
Willatt, J. F., M.A. Camb., M.Ed. Sr. Lectr.

Lecturers

Tallentire, Mrs. Ethel M., B.Sc.
Hewitt, E. A., B.A. Brist.
Calvert, Florence I., M.A. Sheff.
Millins, P. K. C., B.A. R'dg., L. ès L. Lille.
Pennington, A., B.Sc. Manc., M.Ed.
4 Pt.-time Lectrs.

English Lang. and Lit.

Leech, C., M.A., Ph.D. Lond. Prof.
Quirk, R., M.A., Ph.D. Lond. Reader.

Lecturers

Curgenven, J. P., M.A. Oxon.
Horsman, E. A., M.A. N.Z., B.A. Oxon.
Brooke, N. S., M.A. Camb.
Foakes, R. A., M.A., Ph.D. Birm.
Ivy, G. S., M.A. Camb.
Hudson, Helen M., M.A. Durh., D. de l'U. Dijon Pt.-time Lectr.

French

Lough, J., M.A., Ph.D. Camb. Prof.

Lecturers

Wilson, R. L., M.A., B.Litt. St. And.
Curtis, Renée L., B.A., Ph.D. Lond.
Allen, L., M.A. Manc.
Wilson, D. B., M.A. Camb., D. de l'U. Paris.
Mossop, D. J., M.A. Cape T., D. de l'U. Paris.

Lecteurs

Baissus, J. M. P., L. ès L. Toulouse.
Marty, Françoise M. E., L. ès L. Paris.

Geography

Fisher, W. B., B.A. Manc., D. de l'U. Paris. Reader.

Lecturers

Holmes, C. W., M.A.
Bowen-Jones, H., M.A. Camb.
Hubbard, J. H., B.A. Oxon.
Dewdney, J. C., M.A. Edin.
Slater, L., M.A. Camb. Hon. Lectr.

Geology

Dunham, K. C., M.S., S.D. Harv., Ph.D., D.Sc. Prof.
Hopkins, W., D.Sc., Ph.D., F.G.S. Sr. Lectr.
Stewart, F. H., B.Sc. Aberd., Ph.D. Camb., F.G.S. Lectr.
Phillips, R., B.Sc. Leeds, F.G.S. (Mineral.) Lectr.
House, M. R., B.A. Camb.
Chalmers, R. A., B.Sc. Manc. I.C.I. Fellow.
Bott, M. H. P., B.Sc. Camb. Turner and Newall Fellow.

German

Scott, D. F. S., M.A. Lond., Dr. Phil. Gött. Reader.
Orton, G., M.A. Oxon. Lectr.
Morrall, E. J., M.A. Lond. Lectr.
Wattenberg, E. Lektor.

History

Hughes, E., M.A. Manc. Prof., Dean, Fac. of Arts.
Offler, H. S., M.A. Camb. (Med. H.) Reader.

Lecturers

Offler, Mrs. Betty E., M.A. Oxon.
James, M. E., M.A. Oxon.
Ellis, K. L., M.A. Oxon.
Lowe, C. J., B.A. Lond.
Harriss, G. L., M.A., D.Phil. Oxon. Res. Fellow.

Mathematics

Burchnall, J. L., M.C., M.A. Oxon. Prof.

Baxter, E. F., M.A. Camb., M.Sc. Lond. Sr. Lectr.

Lecturers

Smith, R. A., B.Sc. Syd., B.A., Ph.D. Camb.

Whitworth, J. V., M.Sc., Ph.D. Manc.

Atkin, A. O. L., M.A., Ph.D. Camb.

Cohen, L., M.A. Camb., Ph.D. Manc.

Page, E. S., M.A. Camb.

Music

Hutchings, A. J. B., B.A., B.Mus. Lond., F.T.C.L. Prof., Dean.

Lecturers

Dickinson, A. E. F., M.A., B.Mus. Oxon.

Harman, R. A., B.Mus.

Evans, P. A., B.A., F.R.C.O.

Oriental Studies

Thacker, T. W., M.A. Oxon. (Semitic Philol.) Prof.

Readers

Macadam, M. F. L., B.A., D.Phil. Oxon., F.S.A. (Egyptol.)

Simpson, C. G., B.A. Lond. (Turkish)

Lecturers

Thornhill, Rev. R., M.A. (Hebrew).

Craig, A. J. M., M.A. Oxon. (Arabic).

Rahman, F., M.A., D.Phil. Oxon. (Persian) (on leave).

Hill, R. L., M.A., B.Litt. Oxon. (Nr. E. Hist.).

Dawson, R. S., M.A. Oxon. (Chinese Philos.) Spalding Lectr.

Basu, A., M.A. Calc. (Indian Philos.) Spalding Lectr.

Derhalli, M. M., M.A. Dub. (Arabic).

Emerton, Rev. J. A., B.A. Oxon. (Hebrew).

Foster, I. J. C., M.A., B.Sc. (Mishnaic Hebrew) Pt.-time Lectr.

Kuhn, K. H., B.A., Ph.D. Res. Fellow.

Palæography and Diplomatic

Davies, J. C., M.A., Litt.D. Camb. Reader.

Scammell, G. V., M.A. Camb. Lectr.

2 Jr. Res. Assts.

Philosophy

Barnes, W. H. F., M.A. Oxon. Prof.

von Leyden, W., D.Phil. Florence and Oxon. Lectr.

Harrison, J., B.A. Oxon. Lectr.

Thomson, R., M.A. Oxon. Pt.-time Lectr.

Physics

Wagstaff, J. E. P., M.A. Camb, D.Sc. Lond. Prof.

Chalmers, J. A., M.A., Ph.D. Camb., B.Sc. Lond. Sr. Lectr.

Prowse, W. A., T.D., B.Sc., Ph.D. (Appl. Electr.) Sr. Lectr.

Thornton, S., B.Sc.. Ph.D. Lectr.

Caffyn, J. E., B.Sc. R'dg. Lectr.

Corner, W. D., B.Sc., Ph.D. Leeds Lectr.

Psychology

Smith, F. V., M.A. Syd., Ph.D. Lond., F.B.Ps.S. Prof.

Graham, D., M.A., Ed.B. Glas., B.Sc.(Econ.) Lond. Lectr.

Sluckin, W., B.Sc., B.Sc. (Eng.) Lond. Lectr.

Howard, I. P., B.Sc. Manc. Lectr.

Tajfel, H., B.A. Lond. Res. Asst.

Social Studies

Hood, F. C., M.A. Edin. and Oxon. (Pol. Theory and Institutions) Prof.

Allen, E., M.A. Sheff. (Econ.) Reader.

Lecturers

Moos, S., Dip.Econ. Berl. (Econ.).

Bromhead, P. A., M.A., D.Phil. Oxon. (Pol.).

Vale, V., M.A. Camb. (Pol.).

Odber, A. J., B.A. Manc. (Econ.).

Laing, A., B.A. (Econ.).

1 Pt.-time Lectr.

Theology

Greenslade, Canon S. L., M.A. Oxon. Van Mildert Prof.
Turner, Canon H. E. W., M.A. Oxon. Lightfoot Prof., Dean.
Davies, Rev. G. H., M.A., B.D. Wales, B.Litt. Oxon. Prof.
Whitehouse, Rev. W. A., M.A. Camb., M.A., B.Litt. Oxon. Reader.
Barrett, Rev. C. K., M.A., B.D. Camb. Sr. Lectr.
Cranfield, Rev. C. E. B., M.A. Camb. Lectr.
Jones, Rev. D. R., B.A. Oxon. Lectr.
4 Pt.-time Lectrs.

Zoology

Cragg, J. B., M.Sc. Prof.
Davies, L., B.Sc. Wales, Ph.D. Lectr.
Ashby, K. R., B.A. Camb. Lectr.
Phillipson, J., B.Sc. Lectr.
4 Jr. Res. Assts.

Extra-Mural Department

104 Tutors employed, of whom 5 are on the staff of the Extra-Mural Dept. and 48 are members of the Univ. Internal Staff. Dir. of Extra-Mural Studies: H. J. Boyden, B.A., B.Sc. (Econ.) Lond. Staff Tutors: D. S. Reid, M.A., Ph.D. St. And.; W. W. Taylor, M.A.; P. R. Kaim-Caudle, B.Sc. (Econ.) Lond. (on leave); J. R. Till, M.A. Oxon.; T. H. Winter, B.A. Lond.; Sec. of Northern District of W.E.A., C. H. Hocking, B.A.

ADMINISTRATIVE AND OTHER STAFF

Asst. Treasurer of the Durham Colls.: E. Walker, D.S.O., B.A. Manc., B.Sc. (Econ.) Lond. Asst. Secs. of the Durham Colls.: Beatrice Hollingworth, B.Com.; J. T. Mead, B.A. Oxon. Sub-Librarian: G. S. Darlow, M.A. Camb.

THE COLLEGES

UNIVERSITY COLLEGE. Founded 1833. *Telephone*: Durham 104.

Master—L. Slater, M.A. Camb., *Hon. Lectr. in Geog.*

Vice-Master

Prowse, W. A., T.D., B.Sc., Ph.D., *U. Sr. Lectr.* (*Phys.*).

Tutors

Thomson, R., M.A. Oxon., *Censor and Tutor in Arts, U. Pt.-time Lectr.* (*Philos.*).
Jocelyn, P. C., B.A., D.Phil. Oxon., *Censor and Tutor in Sci., U. Pt.-time Lectr.* (*Chem.*).
Whitworth, J. V., M.Sc., Ph.D. Manc., *Lowe Librarian, U. Lectr.* (*Maths.*).
Craig, A. J. M., M.A. Oxon., *U. Lectr.* (*Arabic*).
Collinge, N. E., M.C., B.A. Camb., *U. Lectr.* (*Class.*).
Chalmers, J. A., M.A., Ph.D. Camb., B.Sc. Lond., *U. Sr. Lectr.* (*Phys.*).
Atkin, A. O. L., M.A., Ph.D. Camb., *U. Lectr.* (*Maths.*).
Ashby, K. R., B.A. Camb., *U. Lectr.* (*Zool.*).
Doyle, A. I., M.A. Camb., *U. Asst. Librarian.*
Dewdney, J. C., M.A. Edin., *U. Lectr.* (*Geog.*).
Bargrave-Weaver, D., M.A. Camb., *U. Lectr.* (*Class.*).

Chaplain

Wallis, Rev. J. C., D.S.C., B.A., L.Th.

HATFIELD COLLEGE. Founded 1846. *Telephone*: Durham 490.
Master—E. Birley, M.B.E., M.A. Oxon., F.S.A., *Reader in Archæol.*

Vice-Master
.....

Tutors
Sandys-Wood, A. L., B A. Brist., M.A. Camb., B.Litt. Oxon., *Sr. Tutor, U. Pt.-time Lectr. (Anc. Hist.).*
von Leyden, W., D.Phil. Florence and Oxon., *Librarian, U. Lectr. (Philos.).*
Ellis, K. L., M.A. Oxon., *U. Lectr. (Hist.).*
James, M. E., M.A. Oxon., *U. Lectr. (Hist.).*
Kohnstam, G., B.Sc., Ph.D. Lond., *U. Lectr. (Chem.).*
Bowen-Jones, H., M.A. Camb., *U. Lectr. (Geog.).*
Chalmers, R. A., B.Sc. Manc., *I.C.I. Fellow (Geol.).*
Crosby, J. L., M.A., Ph.D. Camb., *U. Lectr. (Bot.).*

Chaplain
Wallis, Rev. J. C., D.S.C., B.A., L.Th.

ST. CHAD'S COLLEGE. Founded 1904. *Telephone*: Durham 81.
Principal—Rev. T. S. Wetherall, M.A. Oxon.

Vice-Principal and Chaplain
Popplewell, Rev. D. L., B.A. Oxon.

Tutor
Collinge, N. E., M.C., M.A. Camb., *U. Lectr. (Class.).*

ST. JOHN'S COLLEGE. Founded 1909. *Telephone*: Durham 306.
Principal—Rev. J. P. Hickinbotham, M.A. Oxon.

Vice-Principal
Cuming, Rev. G. J., M.A.

Tutors
Stanbridge, Rev. L.C., M.A., *Chaplain.*
Widdess, Rev. A. G., M.A.

BEDE COLLEGE.* Founded 1841. *Telephone*: Durham 447.
Principal—Rev. Canon G. E. Brigstocke, M.A. Oxon.

Vice-Principal
Webster, D. E., B.Sc., M.Ed.

Lecturers
Pearson, Rev. L. R., M.A., *Chaplain.*
Selby, E., M.A.
Hannah, J. B., M.A.
Powell, J. K.
Carrick, J., B.Sc.
Dyer, F. G., B.Com.
Hart, W., M.A.
Whiteley, E., B.Sc.
Lishman, W., B.Sc.
Tones, R. M., B.Sc.

ST. CUTHBERT'S SOCIETY
Founded 1871. *Telephone*: Durham 1268.
Principal—.....

Tutors
Christie, G. H., M.Sc., Ph.D. Sheff., F.S.A., *U. Sr. Lectr. (Chem.).*
Hewitt, E. A., B.A. Brist., *U. Lectr. (Educn.).*
Holmes, C. W., M.A., *Actg. Principal, U. Lectr. (Geog.).*

* Training College under the Ministry of Educn. recognized as a Coll. of the Durham Division of the Univ.

Moos, S., Dip. Econ. Berl., *U. Lectr.* (*Econ.*).
Stewart, F. H., B.Sc. Aberd., Ph.D. Camb., F.G.S., *U. Lectr.* (*Geol.*).
Thornhill, Rev. R., M.A., *U. Lectr.* (*Hebrew*).
Thornton, S., B.Sc., Ph.D., *U. Lectr.* (*Phys.*).
Williams, R. T., M.C., B.A. Wales, *U. Lectr.* (*Class.*).
Harrison, J., B.A. Oxon., *U. Lectr.* (*Philos.*).

Chaplain
McDermott, Rev. R. P., B.A. Dub.

Secretary
Butters, A. A. H., B.A. Oxon.

ST. MARY'S COLLEGE. Founded 1899. *Telephone*: Durham 10.
Principal—Margaret B. Fergusson, M.A. St. And. and Camb.

Tutors
Hudson, Helen M., M.A. Durh., D. de l'U. Dijon, *Tutor and U. Pt.-time Lectr.* (*Engl.*).
Jenkinson, Edna M., B.A., Ph.D. Camb., *U. Lectr.* (*Class.*)
Calvert, Florence I., M.A. Sheff., *U. Lectr.* (*Educn.*).
Chilton, Elsa, B.A. Durh., *Sec.*

Bursar
Winter, Sheila.

Chaplain
McDermott, Rev. R. P., B.A. Dub.

ST. AIDAN'S SOCIETY
Founded 1947. *Telephone*: Durham 635.
Principal—Ethleen M. Scott, M.A. Lond.

Tutors
Chalklin, Kathleen M., M.Sc. Wales, *U. Lectr.* (*Bot.*).
Sladden, Elizabeth M., B.A., *Sec.*
Vale, Mrs. V., B.A. Durh.
Whitehouse, Mrs. W. A., M.A.

Chaplain
McDermott, Rev. R. P., B.A. Dub.

LICENSED HALLS OF RESIDENCE

ST. HILD'S COLLEGE.* Founded 1858. *Telephone*: Durham 91.
Principal—Nina M. E. Joachim, M.A. Oxon.

NEVILLE'S CROSS COLLEGE.* Founded 1921. *Telephone*: Durham 325.
Principal—Netty M. Lunan, M.A. Oxon. and Aberd.

GENERAL INFORMATION

The Univ. was founded in Durham in 1832 after two abortive attempts in earlier centuries. Halls of Residence were opened and were later recognized as constituent Colls. at various times during the course of the last hundred years. Women have been admitted to Durham since 1896 and non-Collegiate students since 1871. Until 1946 all Durham Colleges' students lived in Coll., but post-war expansion has made this impossible, and approximately one-fifth of the total number live in licensed lodgings as members of St. Cuthbert's Soc. (men) or St. Aidan's Soc. (women).

* Training Coll. under Ministry of Educn. licensed by the Council of the Durham Colls. as a place of residence for students reading for degrees in the Durham Division of the Univ.

Various Depts. of the Division are now housed in different parts of the city and a plan showing their position is published in the *Durham Colleges Handbook*.

INCOME (1952–53). £246,969.

LIBRARY. Univ. Library contains more than 125,000 volumes, including 187 incunabula and extensive collections of older books notably on Patristics and Engl. hist. 2 large sections, for Sci. and Oriental Studies, the latter of which contains valuable sp. material, are separately housed.

LABORATORIES. Bot., Chem., Geol., Phys., Radiochem., Zool. at South Rd.; Psychol. at Kepier Terrace.

OBSERVATORY. Erected in 1841; equipped for work in astron., meteorol. and seismol.; library includes valuable collection of periodicals and other publicns. on these subjects.

ADMISSION. Those wishing to read in the Durham Colls. for a degree (awarded by the Univ. of Durham) must satisfy the Univ. matric. requirements (*see* Appendix I). Applications for admission should be made to the Head of one of the Colls., and *not* to the Univ. Office or to one of the depts.

DEGREE COURSES. Courses are available for degrees of the Univ. of Durham in Arts, Educ., Sci., Soc. Studies, Theol.; for Univ. Dipls. in Bibl. Studies, Anthropol. and Theol.; for Univ. Inst. of Educn.'s Dipl. in Educn.; and for Univ. Cert. in Bibl. Studies.

STUDY LEAVE. There is a scheme by which members of staff may obtain sabbatical leave from time to time.

FEES (including tuition, board and lodging and subscriptions). Univ. and Hatfield, annual charges—caution money, £5; Arts, £176; Sci., £185. St. Chad's and St. John's, annual charges—caution money, £5; Arts, £180; Sci., £189. St. Mary's, annual charges—caution money, £5; Arts, £176; Sci., £185. The fees payable in the remaining Colls. vary with the means of the students. Students of St. Cuthbert's Soc. and students of St. Aidan's Soc. pay £45 in Arts and £54 in Sci., tuition fee. In addition, all students pay £5 subscription to Sports Clubs and Societies. For fees for matricn., examns. and degrees, *see* Univ. section *above*.

AWARDS open to students entering the Durham Colls. to read for a first degree. 10 Foundation Scholps. or Exhibitions are awarded by examn. each yr. The annual value of a Scholp. is £70, and an Exhibition, £40. Other Scholps. available are: The Pears, £40; The Pemberton, £40; The Wansbrough, £50; The Horsfall (3), £40; The Christopher Mather, £40; The Organ (2, one each in Univ. C. and Hatfield C.), £40 each; The Winifred Foster, £40; The Ellerton, £40; The Winchester, £40; The Hatfield, £40. All may qualify for supplementation by the Ministry of Education.

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II.

GRADUATES' ASSOCIATIONS. All the Colls. in Durham have Old Students' Assocns. under various titles. Further information may be obtained from the Sec. of the Assocn. at the Coll. concerned.

STUDENT RESIDENCES. All the Colls. provide residential accomm. in Coll., and in addition accomm. is available for 25 men students of St. Cuthbert's Soc. in the Soc.'s premises in South Bailey; and for 25 women students of St. Aidan's Soc. in the Soc.'s premises at Shincliffe Hall.

STUDENTS' SOCIETIES, CLUBS, ETC. The Durham Colls. Students Representative Council sponsor a considerable no. of societies and clubs covering a wide field of activities.

The Durham Union Society (for men) and the Durham Women's Union Society organize debates and lectures by outside speakers and provide club facilities.

STUDENTS' ATHLETIC FACILITIES. Two groups of sports grounds are available for outdoor activity, and every Coll. has its own boat-house.

PUBLICATIONS. *Warden's Report*; *Durham Colleges Handbook* (Sept.); *The New Durham* (students); *Palatinate* (students' newspaper).

THE YEAR 1952–53

PRINCIPAL BENEFACTION. £3000 as residuary estate of F. W. Ritson, formerly Treasurer of Durh. Colls.

NEW BUILDINGS. Norman Chapel in Durham Castle restored and furnished as memorial to Cadets of Durham Univ. Air Squadron who gave their lives during Second World War. Restoration made possible by public subscription aided by bequest from J. W. Lowthian and donation from Pilgrim Trust. Extension to premises of St. Cuthbert's Soc. New kitchen for Hatfield Coll.

NEW POST. Lectureship in French.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. N. Sykes, Cambridge, "Religious Toleration in England, 1685–1719"; Prof. R. H. Samuel, Melb., "Education in Germany"; M. J.-P. Richard, Institut Français du Royaume-Uni, "Les Métamorphoses de la sensibilité au XVIII[e] siècle"; Prof. B. von Lindheim, Berl., "University Life in West Berlin"; Sir Hilary Jenkinson, Deputy Keeper of Records, "The Great Seal of England, 1066–1952"; Prof. K. Stadè, Munster.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES AND COLLEGES. Warden of Durham Colls. visited Colls. in Nigeria, the Gold Coast and Sierra Leone during the Christmas vacation; V. Vale, Commonwealth Fund Fellowship in America, for session; W. W. Taylor, Staff Tutor in Extra-Mural Studies, seconded to Fourah Bay Coll. for session.

RETIREMENTS. Lt.-Col. A. A. Macfarlane-Grieve, Master of Univ. Coll.; Dr. H. M. Trudgian (French); Prof. F. A. Paneth (Chem.), apptd. to Max Planck Inst., Mainz.

RESIGNATIONS. J. J. Grant (Educn.), apptd. Hd. of Univ. Dept. at Fourah Bay; Dr. J. E. Gregory (Univ. Coll., Chem.), appted. to Birm. Tech. Coll.; B. Holmes (Educn.), apptd. to Univ. of Lond. Inst. of Educn.; Miss A. M. Lambert (Geog.), apptd. Lectr. at L.S.E.; J. V. K. Wilson (Assyriol.), apptd. Lectr. at Tor.; G. E. L. Owen, Res. Fellow in Arts, apptd. Univ. Lectr. in Anc. Philos. at Oxon.

DEATHS. Emer. Prof. A. H. Thompson, sometime Lectr. in Hist.; Dr. E. G. Pace, formerly Reader in Div. and Vice-Master of Hatfield Coll.; Emer. Prof. C. E. Whiting, formerly Prof. of History, and Vice-Principal of St. Chad's College.

EXTRA-MURAL DEPARTMENT. 75 courses completed in the full session (55 Tutorial Classes and 20 Sessional Classes). There were also 2 Univ. Evening Courses, 45 Extension Lecture Courses, an Art Exhibition and a Trg. Excavation at Corbridge. 4 courses of one month's duration in Industrial Relns. were again conducted.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	879	44
Women	251	13
Total	1130	57

Postgraduate students, 148.

New admissions, 330.

Students (full-time) from other countries, 30. (Countries from which largest numbers came : Anglo-Egyptian Sudan, 6 ; Mauritius, 3 ; U.S.A., 3 ; India, 2 ; Nigeria, 2 ; Switzerland, 2.)

DEGREES AWARDED (by Univ. of Durham). *Arts* : B.A., 146 ; M.A., 4 ; Ph.D., 3 ; *Educn.* : M.Litt., 2 ; *Sci.* : B.Sc., 111 ; Ph.D., 5 ; M.Sc., 2. *Total number of first degrees awarded*, 257.

DIPLOMAS AND CERTIFICATES AWARDED. *Arts* : Dip. Ar., 2 ; *Div.* : Dip. Theol., 12 ; *Educn.* : Dip. Educn., 85.

[*Information compiled as at* 22/6/54 ;
Staff list revised on 7/10/54.]

KING'S COLLEGE, NEWCASTLE UPON TYNE

Founded 1937

Postal Address : Newcastle upon Tyne, 1, England.
Telephones : College—Newcastle upon Tyne 23401.
Medical School—Newcastle upon Tyne 21601.
Sutherland Dental School—Newcastle upon Tyne 24176.

CHAIRMAN OF COUNCIL—The Rt. Hon. THE VISCOUNT RIDLEY, C B.E., D.C.L.

RECTOR—CHARLES ION CARR BOSANQUET, M.A. Oxon. and Camb., D.C.L. (Pro-Vice-Chancellor of the University).

SUB-RECTOR—Professor D. T. JACK, C.B E., M A. Glas., J.P.

DEAN OF MEDICINE—Professor R. B. GREEN, M.B., B.S. Lond., M.A., D.C.L., F.R.C.S.

REGISTRAR—G. R. HANSON, B.A.

BURSAR—J. TELFER, M.Com.

LIBRARIAN—W. S. MITCHELL, M.A. Edin., Ph.D. Aberd.

TEACHING STAFF

Accounting

Nolan, F. E. V. Lectr

Agriculture and Rural Economy, v. *infra*

Anatomy, v. Med. *infra*

Anthropology

Meinhard, H. H., Dr.phil. Bonn, F.R.A.I. Reader.
Sheddick, V. G. J., B.A. Wales, Ph.D. Lond., F.R.A.I. Lectr.
Powell, H. A., B.A. Lond. Lectr.

Archæology, v. Classics

Architecture

Edwards, W. B., B.Arch. Liv., M.A. Manc., F.R.I.B.A. Prof.

Lecturers

Turley, R.
Napper, J. H., M.A., Dip.T.P.
Spence, C. C., B.A.
Allsopp, H. B., B.Arch., Dip.C.D. Liv.
Williamson, W. H., Cert. Arch.
Fielden, F., Dip.Arch. Manc.
Wharfe, H., Dip.Arch., Dip.T. and C.P. Leeds.
Chalk, D. W., Dip.Arch., Cert. T.P. Manc.
Wood, H. S., Dip.Arch., Dip.T. and C.P. Edin.
Pinkney, W. P., Dip.Arch. Dir. of Evening Sch.

Bacteriology, v. Med. *infra*

Botany, v. also *infra* Agric.

Thomas, M., M.A. Camb., F.R.S. Prof.
Blackburn, Kathleen B., D.Sc. Lond., F.L.S. (Cytol.) Reader.

Lecturers

Clark, W. A., B.Sc., Ph.D. St. And.
Fothergill, P. G., B.Sc., Ph.D.
Richardson, J. A., M.Sc.
Ranson, S. L., B.Sc., Ph.D.
Moss, Betty L., M.Sc., Ph.D. Lond.
Brown, J. M. A., B.Sc. Demr.

Chemistry, v. also *infra* Agric.

Wynne-Jones, W. F. K., B.Sc. Oxon., D.Sc. Wales, F.R.I.C. Prof. and Hd. of Dept.

Baddiley, J., M.Sc., Ph.D. Manc. (Org. Chem.) Prof.

Readers

Robinson, P. L., D.Sc., F.R.I.C. (Inorg. C.).

Weiss, J., D.Eng. Vienna, Ph.D. Lond. (Mech. of C. Reactions).

Lecturers

Madgin, W. M., D.Sc.

Raper, R., M.A., Ph.D. Camb., F.R.I.C.

Mallen, Catherine E., M.A. Camb.

Thirsk, H. R., B.Sc., Ph.D. Lond., A.R.C.S., D.I.C., F.R.I.C.

Aynsley, Rev. E. E., M.Sc., Ph.D., D.Th.P.T., F.R.I.C.

Swan, G. A., D.Sc., Ph.D., F.R.I.C.

Jack, K. H., M.Sc., Ph.D., F.R.I.C.

Dodd, R. E., M.A., B Sc. Oxon.

Holden, D., M.Sc., Ph.D. Manc.

McWeeny, R., B.Sc. Leeds, D.Phil. Oxon.

Stadler, H. P., B.Sc. Lond., Ph.D. Leeds (Phys. Chem.).

McQuillin, F. J., M.A., D.Phil. Oxon.

Trenwith, A. B., B.Sc., Ph.D. Lond.

Peacock, R. D., B.Sc., Ph.D.

Beck, W. H., B.Sc. St. And. Temp. Lectr.

Vipond, H. J., B.Sc., Ph.D. Demr.

Fleischmann, M., B.Sc., Ph.D. Lond. I.C.I. Fellow.

Hepworth, M. A., B.Sc. Brit. Titan Products Fellow.

Dick, L. C., B.Sc. Manc. Demr.

Research Assistants

Gilchrist, Mrs. Agnes G., B.Sc. St. And.

Briggs, G. W. D., B.Sc., Ph.D.

Campbell, R., B.Sc.

Coleby, B., B.Sc.

Scholes, G., B.Sc., Ph.D.

Jones, Elizabeth, B.Sc.

Timmons, P. S., B.Sc.

Johnson, G. R. A., B.Sc.

Daniels, M., B.Sc.

Tobe, M. L., B.Sc. Lond. Min. of Supply Res. Asst

Classics and Ancient History

Fletcher, G B. A., M.A. Camb. (Latin) Prof. and Hd. of Dept.

Richmond, I. A., M.A. Oxon., LL.D. Edin., F.B.A., F.S.A. (Roman-Brit. Hist. and Archæol.) Prof.

Hudson-Williams, H. L., B.A. Wales, M.A. Camb. (Gk.) Prof.

Lecturers

Anderton, Mrs. Constance M., M.A.

Whittick, G. C., M.A. Oxon.

Sims, B. J., M.A. Camb.

Garton, C., M.A. Camb.

Crossland, R. A., M.A. Camb. and Yale (Anc. Hist.).

Gillam, J. P., M.A.

Smith, D. J., B.A., Ph.D. Res. Asst.

Coke Research

Blayden, H. E., B.Sc., Ph.D. Lond., F.R.I.C. Asst. Dir. of Lab.

Marsh, H., B.Sc., Ph.D. Asst. Chemist.

Thomson, Mrs. Christina M., B.Sc., Ph.D. Glas. Res. Asst.

Dental Surgery, v. *infra*

Divinity

Allen, Rev. E. L., M.A., Ph.D. Lond., D.D. Aberd. Lectr.

Boobyer, G. H., B.A. Brist., B.A., B.D. Lond., D.Th. Heidel. Lectr.

Economics and Social Studies, v. also Accounting

Jack, D. T., C.B.E., M.A. Glas., J.P. David Dale Prof.

Lecturers
Milne, A. M., O.B.E., M.A. Edin.
Zawadzki, K. K. F., M.A. St. And., M.Sc. (Econ.) Lond.
Garmany, J. W., M.A.
Braithwaite. Constance, B.Sc. (Econ.), Ph.D. Lond. (Social Studies).
Lloyd, Alice K., M.A. Oxon. (Social Studies).
Petch, G. A., B.Com. Leeds.
Watkin, E. E., M.A. Wales.
Smith, F. M., B.A. Oxon. and Mt. All. (Social Studies).
Airth, A. D., B.A.

Education
Tuck, J. P., M.A. Camb. Prof, Dean.

Lecturers
Brown, V., O.B.E., T.D., M.Sc.
Ward, Irene J., B.Sc. Lond.
McKenzie, A. W., B.Sc.
Liddell, L. E., B.A., D.P.E. Leeds.
Haslewood, Mrs. Doreen C., M.A.
Eden, Alice, B.A. Liv. and Lond.
Dobson, J. L., M.A., M.Ed.
Hockey, S. L., M.A. Brist.
Morley, Muriel E., B.Sc. (Speech).
Mittins, W. H., B.A. Lond.
Smith, I. M., B.Sc., M.A., Ed.B. Glas., Ph.D. Manc.
Rockett, K., M.A. Manc.

Engineering, Chemical
Coulson, J. M., M.A. Camb., Ph.D. Lond., F.R.I.C. Prof.
Patterson, W. S., D.Sc., Ph.D. Lond., M.Sc. Leeds, F.R.I.C. (Fuel Sci.) Reader.
Forsyth, J. S., B.Sc. Glas., Ph.D. Leeds. Lectr.

Engineering, Civil
Cassie, W. F., Ph.D. St. And., M.S. Ill. Prof.

Lecturers
Isaac, P. C. G., B.Sc. (Eng.) Lond., S.M. Harv. (Pub. Health Engin.)
Cooper, D. W., B.Sc. (Eng.) Lond.
Williams, T. E. H., M.Sc. Wales, Ph.D., F.S.S.
Robson, A. G., B.Sc.
Pascoe, Doreen, B.Sc. Res. Asst.
Lodge, Molly, B.Sc. (Pub. Health Engin.) Res. Asst.
Coakley, P., B.Sc., Ph.D. Manc. (Pub. Health Engin.) Res. Asst.

Engineering, Electrical
Prescott, J. C., D.Eng. Liv. Prof.

Lecturers
Livingston, E. A., M.Sc.
Ritson, F. J. U., M.Sc.
Short, P., M.Sc. (Eng.) Lond.
Carter, A. O., M.Eng. Liv.
Walley, C. A., B.Sc., Ph.D. Manc.
Kennair, J. T., B.Sc. Demr.

Engin., Mechanical and Marine, v. also Nav. Archit.
Burstall, A. F., D.Sc. Melb., Ph.D. Camb., M.Sc. (Eng) Birm., F.I.I.A. Prof. and Dir. of Stephenson Engin. Labs.
M'Ewen, E. G., M.Sc. (Eng) Lond. (Appl. Mechanics) Reader.

Lecturers
Talbott, A. C., M.Sc. Birm.
Beeley, E. W., M.Sc. Tech. Manc.
Hiscock, R., M.Sc.
Robinson, F., B.Sc. (Eng.) Lond.
Gilchrist, A., B.Sc.
Gregory, R. W., B.A. Camb.
Jones, A. W., B.Sc. (Marine Engin.).
Martin, B. W., M.Sc. Brist.
Owen, B. S., M.A. Camb.
Bartley, A. J., B.Sc.
Thomas, E. R., O.B.E., M.A. Camb., M.Sc. Wales, D.C.L. (Engin. Admin.).

English Language and Literature
Butt, J. E., B.Litt., M.A. Oxon. Joseph Cowen Prof.; Dean Fac. of Arts.

Lecturers
Elmes, R. S., M.A. Camb.
Macdonald, A., M.A., Ph.D. Edin.

Ure, P., M.A. Liv.
Maxwell, J. C., M.A. Oxon.
Carr, Barbara M. H., M.A. Lond.
Bland, D. S., M.A. Camb.
Raw, Barbara, M.A. Lond.
Sir James Knott Fellow.

Fine Art

Gowing, L., C.B.E., M.A.
Prof. and Dir. of School.

Masters

Evetts, L. C., M.A. (Design).
McCheyne, J. R. M., D.Art Edin. (Sculpture).
Pasmore, V. (Painting)

Lecturers

Dalby, Helen A. (Textile Des.).
Dudley, G. M. (Sculpture).
Bell, Q. C. S. (Art Educn.).
Stephenson, Mrs. Margaret A., B.A. (Art Educn.).
Holland, R. B. (Hist. of Art).
Knox, S. R. I., B.A. Lond. (Hist. of Art).
Hamilton, R. W. (Decorative Des.).
Dobson, E. J., B.A. (Painting).
Asst. Lectr.

Teacher

Hodgson, Louisa (Drawing).

Admin. Asst.

Simon, Katharina D., M.A. Oxon.

French

Girdlestone, C. M., M.A. Camb., L. ès L. Paris Prof.

Lecturers

Delacourcelle, Mrs. Doris W., M.A. Camb., L. ès L., D. de l'U. Poitiers.
Suckling, N. C., M.A. Oxon., B.A. Lond.
Hope, T. E., D.S.C., M.A. Oxon.
Dubois, Mrs. Elfriede T., M.A. Birm., Dr. Phil. Vienna.
Barrot, Simone, L. ès L. Paris
Lectrice.

Geography, v. also Anthropology

Daysh, G. H. J., B.Litt. Oxon., F.R.A.I.
Prof., Dean Fac. of Sci.

Lecturers

House, J. W., M.A. Oxon.
Conzen, M. R. G., M.A., Dip.T.P. Manc.
Anson, W. W., B.Sc.
Fullerton, B., M.A. Lond.
Sharp, J. I., M.A. Camb. (Geog. and Surveying).

Geology

Westoll, T. S., D.Sc. Aberd., B.Sc., Ph.D., F.R.S., F.G.S.
J. B. Simpson Prof.
Tomkeieff, S. J., D.Sc., F.G.S. (Mineral.) Reader.
Raistrick, A., M.Sc., Ph.D. Leeds. (Econ Geol.). Reader.

Lecturers

Shirley, J., D.Sc. Manc., F.G.S.
Randall, B. A. O., B.Sc.
Robson, D. A., M.Sc., Ph.D., F.G.S.
Walker, A. D., B.Sc. Brist., F.G.S.

German and Scandinavian Studies

Mennie, D. M., M.A. Aberd., Dr.Phil. Kiel Reader.

Lecturers

Sinclair, R. F., M.A. Edin.
McFarlane, J. W., M.A., B.Litt. Oxon.
Ward, A., B.A.
Jensen, N. L., cand. mag. Copenhagen (Danish).

Lectors

Grün, R. H. (German).
Gustafsson, Miss Lillemor, fil. mag. Lund. (Swedish).
Naess, H., cand. philol. Oslo. (Norwegian).

History, Ancient, v. Classics

History, Modern

Burn, W. L., M.A. Oxon., J.P. Prof.
Brown, J. M., M.A. Glas. (Pol.) Reader.

Lecturers
Tomkeieff, Mrs. Olive G., M.A., LL.B. Camb., B.A. Lond., F.R.Hist.S.
Taylor, Mrs. Joan M., B.A. Lond.
Hughes, E. W., M.A., B.Litt. Oxon. (Pol.).
Beckingsale, B. W., M.A. Camb.
Fawcett, Mrs. Elizabeth C. H., B.A. Manc.
Jones, J. R., M.A., Ph.D. Camb.

Law
Ryder, E. C., M.A., LL.B. Camb. Prof., Dean.

Lecturers
Johnson, E. L., M.A., LL.B. Camb.
Heath, E. J., M.A., B.C.L. Oxon.
Clark, J. B., B.A., LL.B.

Mathematics
Rogosinski, W. W., Dr.Phil. Gött., F.R.S. (Pure Maths.) Prof., (Math. Anal.) Reader.
Green, A. E., M.A., Ph.D., Sc D. Camb. (Appl. Maths.) Prof.

Lecturers
Colborne, D. C., M.A. Camb.
Gilbert, C., B.Sc., Ph.D. Lond.
Wilkes, E. W., M.A., B.Sc. Oxon.
Mitchell, K., B.A., Ph.D. Camb., F.R.A.S.
Bonsall, F. F., M.A. Oxon.
Goldie, A. W., M.A. Camb.
Wassermann, G. D., B.Sc., Ph.D. Lond.
Weston, J. D., B.Sc., Ph.D. Lond.
Evans, D. A., B.Sc. Birm., Ph.D. Camb., F.S.S. (Stats.).
Harrop, R., M.A., Ph.D. Camb.
Craggs, J. W., B.Sc., Ph.D. Manc.
Wall, G. E., B.Sc. Adel., Ph.D. Camb.
Chadwick, Mrs. Mary, B.Sc. Liv.
Murdoch, B. H., M.A. Prin. Wilfred Hall Fellow.

Metallurgy
Preece, A., M.Sc. Wales, F.I.M. William Cochrane Prof.

Lecturers
Parkins, R. N., B.Sc., Ph.D.
Gilchrist, J. D., B.Sc., Ph.D. Glas.
Tylecote, R. F., M.A. Camb., M.Sc. Manc., Ph.D. Lond., F.I.M.
Maxwell, D., M.A. Camb.

Mining
Potts, E. L. J., M.Sc. Milburn Prof.
Jenkins, J. D., M.Sc. Wales Reader.

Lecturers
Robinson, H. Y., M.Sc.
Pearson, G. M., B.Sc.
Bell, W. B., B.Sc.
Turnbull, D., B.Sc., M.S. Penn

Music
Burns, C., M.A., Mus.B. Camb., Mus.Doc. Edin., F.R.A.M. Lectr. and Dir. of Dept. in Newcastle.

Lecturers
Hudson, F., D.Mus., F.R.C.O
Barlow, D., M.A., Mus.B. Camb.

Naval Architecture
Burrill, L. C., M.Sc., Ph.D. Prof. and Dir. of Res. Labs., Dean, Fac. of Appl. Sci.

Lecturers
Muckle, W., M.Sc., Ph D.
McLachlan, J. E.
Baxter, B. N., M.Sc.
Emerson, A., M.Sc. Asst. Dir. of Res. Labs.

Research Assistants
Robson, W., B.Sc. (Eng.) Lond.
Townsin, R. L., B.Sc.
Mars, G. P.

Philosophy, Mental and Moral
Britton, K. W., M.A. Camb., A.M. Harv. Prof.

Lecturers
Midgley, G. C. J., M.A., B.Phil. Oxon.
Strang, C., M.A., B.Phil. Oxon.

Physics

Curtis, W. E., D.Sc. Lond., A.R.C.S., D.I.C., F.I.P., F.R.S., F.R.A.S. Prof., Dir. of Dept.
Rushbrooke, G. S., M.A., Ph.D. Camb. (Theoretical P.) Prof.
Richardson, E. G., B.A., Ph.D., D.Sc. Lond. Reader.

Lecturers

Wood, J. F., M.Sc.
Darbyshire, O., M.Sc. Manc., F.I.P.
Roscoe, R., B.Sc., Ph.D. Lond.
Schneider, E. E., Dr.phil.nat. Freiburg, F.I.P.
Littlefield, T. A., B.Sc., Ph.D.
Thorley, N., B.Sc., Ph.D. Leeds, F.I.P.
Bolton, H. C., B.Sc., Ph.D. Lond.
Scoins, H. I., M.A., D.Phil. Oxon.
Morris, T. A., B.Sc. Lond. Demr.
Dickson, E. W., B.Sc. Demr.
Miyahara, Y., B.Sc. Tokio. Min. of Supply Res. Asst.
Powles, J. G., B.Sc., Ph.D. Manc. I.C.I. Fellow.

Physiology, v. Med. *infra*

Psychology

Smith, F. V., M.A. Syd., Ph.D. Lond., F.B.Ps.S. Prof.
Russell, D. C., B.A. Lond., A.M. Harv. Lectr.

Visiting Lecturers

Graham, D., M.A., B.Sc. (Econ.) Lond., Ed.B. Glas.
Howard, I. P., B.Sc. Manc.
Sluckin, W., B.Sc., B.Sc. (Eng.) Lond.

Spanish

Reid, K. S., B.A. Durh. and Lond., Ph.D. Reader.

Lecturers

Blair, Mrs. Jessie M., M.A. Edin.
Taylor, A. L., B.A. Sheff.
Shergold, N. D., M.A., Ph.D. Camb.
Giralt, E. R., L. en Fil. y Let. Barcelona Lector.

Speech, v. Education

Surveying

Fryer, D. H., O.B.E., M.Sc., F.R.I.C.S. Reader.
Sharp, J. I., M.A. Camb. (Geog. and Surv.) Lectr.

Town and Country Planning

Allen, J. S., B.Arch. Liv., F.R.I.B.A. Prof.

Lecturers

Hackett, B., M.A. (Landscape Archit.).
Taylor, P., Dip.Arch., Dip.C.D. Liv.
Riley, C. F., Dip.Arch., Dip.T.P. Manc.
Thomas, D. L.
Sutherland, A. C., B.Sc., Dip. Arch. Glas.
Melville, I. S., B.Arch., Dip.C.D. Liv.
Charlesworth, His Honour Judge J., LL.D. Lond. (Town Planning Law).
Roberts, Mrs. Nora, B.Arch. Liv.
Buckley, R. M.
Forsyth, A. R., Dip.T.P.
Shill, O. W.

Zoology

Hobson, A. D., M.A. Camb. Prof. and Dir. of Dove Marine Lab.
Bull, H. O., D.Sc., Ph.D. Lond. (Marine Biol.) Asst. Dir. Marine Lab., Reader.
Burtt, E. T., M.A., Ph.D. Camb. (Entomol.) Reader.

Lecturers

Steel, A., M.Sc. Wales.
Ellenby, C., D.Sc., Ph.D. Lond.
Philip, Anna U., Dr.phil. Berl.
Shaw, J., M.A. Camb.

Philipson, G. N., B.Sc., Ph.D.
Percy, Lord Richard C., B.Sc.
Bossanyi, J., B.A. Oxon.
Zoologist.
Grigg, Ursula M., B.A. Camb.
Zoologist
Cowan, Mrs. Dorothy
Librarian at Marine Lab.
Onions, T. G., B.Sc. Sheff. Demr.
Gilbert, A. B., B.Sc. Demr.
Allen, J. A., B.Sc. Lond.
Zoologist.
Brawn, Vivien M., B.Sc. R'dg.
Res. Asst.

Agriculture and Rural Economy

Agricultural Bacteriology

.....

Agricultural Botany

Jones, M., M.Sc. Wales Prof.
Clark, Mrs. Helena H., M.Sc. Lectr.
Blackburn, F., B.Sc. Demr.

Agricultural Chemistry

Thomas, B., M.Sc., F.R.I.C.
Reader and Asst. Dir. of Dept.

Lecturers

Hunter, F., B.Sc.
Thompson, A., M.Sc.
Smith, A. N., B.Sc. Demr.

Agricultural Economics

Dinsdale, D. H., M.A., F.R.E.S.
Asst. Dir. of Dept.
Blake, J. G., B.A. Lectr.

Provincial Agric. Econ. Service

Dinsdale, D. H., M.A., F.R.E.S.
Prov. Agric. Econ.
Carpenter, E. M., M.A. Oxon.
Sr. Agric. Econ.
Dudman, R. A., M.A. Oxon.
Sr. Agric. Econ.
Winter, T., Dip.Agric.
Agric. Econ.

Asst. Agric. Economists

Robson, S., B.Sc.
Tansey, A. W., B.Sc. (Agric.) Lond.
Weeks, W. G. R., B.Sc.
Davison, W. T. Inv. Officer.
Baldwin, W , Dip.Agric.
Inv. Officer.

Agricultural Engineering

M'Ewen, E. G., M.Sc. (Eng.) Lond.
Prof. (v. also Appl. Mechanics).
Fail, H., B.Sc. Lectr.
Nicholson, A. J., B.A. Camb.
(Farm Machinery) Lectr.
Blight, D. P., M.Sc., B.Sc. R'dg.
Res. Asst.

Agricultural Entomology

Harrison, G. H., B.Sc., Ph.D.
Lectr.

Agriculture

Cooper, M. M., B.Agr. (Sc.) N.Z., B. Litt. Oxon., Dip Rur. Econ. Oxon.
Dean, Prof. and Dir. of Dept.
Pawson, H. C., M.B.E., M.Sc
Prof. and Asst. Dir.

Lecturers

Hall, J. S., B.Sc.
Main, A., B.Sc. (Est. Management).
Mitchell, T. M. (Anat. and Physiol. of Farm Animals).
Duckworth, J. E., B.Sc., Ph.D.
Asst.
Thomas, R. J., M.Sc. Brist.

Dental Surgery

Bradlaw, R., C.B.E., D.D.Sc. Melb., D.D.S. Montr., M.D.S., F.R.C.S., F.D.S.R.C.S.
Dean and Dir. of Dental Studies.
Boyes, J., F.R.C.S., F.D.S.R.C.S.
Prof. and Sub-Dean.

Children's Dentistry

Hallett, G. E. M., M.D.S., F.D.S.R.C.S. Prof.

D. Anæsthetics

Pask, E. A., O.B.E., M.A., M.D., B.Chir. Camb., F.F.A.R.C.S. Prof.

D. Electrotherapeutics

Chalmers, J., M.B.E., F.D.S.R.C.S., J.P. Lectr.

D. Jurisprudence and Practice Management

Bradlaw, R. (v. Oral Pathol.) Lectr.

D. Metallurgy and Materials

Farrell, J. H. (v. D. Prosthetics)

D. Pharmacology

Hopper, F. E., B.D.S., F.D.S.R.C.S. Lectr.
Philpott, C. E., L.D.S. Lectr.

D. Prosthetics and Mechanics

Tregarthen, G. G. T., M.D.S., F.D.S.R.C.S. Prof.
Farrell, J. H. Lectr.

D. Radiology

Haswell, S. V. Lectr.

Ear, Nose and Throat, Diseases of

McGuckin, F., M.D., B.S., F.R.C.S.Ed. Lectr.

Operative D. Surgery

Lovel, R. W., D.D.S. North-western, F.D.S.R.C.S. Prof.
Allan, D. N., D.D.S. North-western, B.D.S. Lectr.
Masterton, J. • B., B.D.S., F.D.S.R.C.S. Lectr.

Oral Anatomy

Tonge, C. H., T.D., M.B., B.S., B.D.S. Lectr.
Perrott, J. W. Lectr.

Oral Medicine

Boyes, J., F.R.C.S., F.D.S.R.C.S. Nuffield Prof.

Oral Pathology

Bradlaw, R., C.B.E., D.D.Sc. Melb., D.D.S. Montr., M.D.S., F.R.C.S., F.D.S.R.C.S. Prof.
Simpson, H. E., B.D.S. Lectr.

Oral Physiology

Jenkins, G. N., M.Sc. Liv., Ph.D. Camb. Lectr.

Oral Surgery, Minor

Smith, H. A., L.D.S. Lectr.

Orthodontics

Hallett, G. E. M. (v. Children's Dentistry) Lectr.
Littlefield, W. H., B.D.S. Lectr.

Periodontal Diseases

Hopper, F. E., B.D.S., F.D.S.R.C.S. Lectr.

Public Dentistry

Robinson, A. E., F.D.S.R.C.S. Lectr.

Venereal Diseases

Macfarlane, W. V. (v. Ven. Dis. *infra*) Lectr.

Clinical Teachers in Newcastle upon Tyne Dental Hospital

S. V. Haswell; J. J. Long, L.D.S. Glas.; J. E. Daniels, L.D.S.; G. Johnson, L.D.S.; G. E. Hutchinson, L.D.S.; C. E. Shafto, B.D.S.; J. Chalmers, M.B.E., F.D.S.R.C.S., J.P.; H. A. Smith, L.D.S.; W. H. Littlefield, B.D.S.; P. H. Burke, B.D.S.; A. Kinghorn, D.D.S. North-western.

Medicine

Green, Prof. R. B., M.B., B.S. Lond., M.A., D.C.L., F.R.C.S. Dean.
Armstrong, C. N., M.D., B.S., B.Hy., D.P.H., F.R.C.P. Clinical Sub-Dean.

Anæsthetics

Pask, E. A., O.B.E., M.A., M.D., B.Chir. Camb., F.F.A.R.C.S. Prof.
Inkster, J. S., M.B., Ch.B. Aberd., F.F.A R.C.S. First Asst.
Davison, M. H. A., M.B.E., T.D., M.D., B.S., D.A., F.F.A.R.C.S. Lectr.

Clinical Teachers

Ayre, T. P., F.F.A.R.C.S.
Murray, J. L., M.B., B.S.
Houston, Mrs. Winifred M., M.B., B.S.
Osselton, Mrs. Eleanor W., M.B., B.S.
Horton, J. A. G., M.B., B.S. Lond.
Shafto, C. E., M.B., B.S., B.D.S.
Mackenzie, A., M.B., B.S.
Tate, E. I., M.B., B S.
Watts, Mrs. Sarah B. W., M.B., B.S.
Wheldon, J. T., M.B., B.S.
Bell, Mrs. Kathleen M. W., M.B., B.S.
Millar, Mrs. Edith J., M.B., B.S., F.F.A.R.C.S.
Ritchie, B. W. T., M.A. Camb.
Molyneux, L., B.Sc. Res. Asst.

Anatomy

Green, R. B., M.B., B.S. Lond , M.A., D.C.L., F.R.C.S. Prof.
Short, J., M.A. Oxon., M.B., B.S., J.P. Prof. and Dep. Dir.

Lecturers

Tonge, C. H., T.D., M.B., B.S., B.D.S.
Barlow, T. E., M.D., Ch.B. Manc.
Gray, J. E., M.B., B.S.
Cauna, N., Dr. Latvia, M.Sc.
Perrott, J. W.
Warrick, C. K., M.B., B.S. Lond., F.R.C.S. (Radiol. Anat.).

Demonstrators

Pool, K. R. S., M.B., B.S. Lond.
Brown, H., M.B., B.S.
Lake, H. F., M.B., B.S.
Little, Elsa, M.B., B.S.

Bacteriology

Dunlop, E. M., M.C., M.D. Glas., M.A. Prof.

Lecturers

Emslie-Smith, A. H., M.B., Ch.B. Aberd.
Emslie-Smith, Mrs. Muriel, M.Sc.
Miller, T. K., B.Sc., D.Th.P.T.
Green, C. A., M.D., Ch.B., Ph.D., D.P.H. Edin.
Porter, I. A., M.B., Ch.B. Glas.
Walton, E. W., M.B., B.S. Demr.

Cancer Research

Hon. Members of College Staff

Thurgar, C. J. L., M.B., B.S. Lond., F.R.C.S.
Farmer, F. T., B.Sc. (Eng.) Lond., Ph.D. Camb., F.I.P.

Child Health

..... Prof.
Court, S. D. M., M.D., Ch.B. Birm., D.C.H. Reader.

Lecturers

Neligan, G. A., B.M., B.Ch. Oxon.
Walker, W., M.D., B.S.
Davison, G., M.D., B.S., D.C.H., F.R.C.P. (Clin. Paed.).
Miller, F. J. W., M.D., B.S., D.C.H. (Clin. Paed.).
Ellis, E., M.A., M.B., B.Chir. Camb., D.C.H. First Asst.

Associate Clin. Teachers

Brewis, E. G., M.D., B.S., D P.H., F.R.C.P.
Cooper, Christine E., M.A., B.Chir. Camb., D.C.H.
Heycock, J. B., M.C., D.C.H.
Stansfeld, J. M., M.A., M.D., B.Chir. Camb.
Knox, E. G., M.B., B.S. Nuffield Res. Asst.

Cashman, Joan, M.B., B.S., D.C.H. Res. Asst.

Dentistry, v. *supra*

Dermatology

Thompson, S., M.D., B.S. Lectr.
Bolam, R. M., M.A., M.D., B.Chir. Camb. Clin. Teacher.

Diseases of the Ear, Nose and Throat

McGuckin, F., M.D., B.S., F.R.C.S.Ed. Lectr.

Clinical Teacher

Black, J. I. M., M.D., M.S, F.R.C.S.

Hygiene, v. **Pub. Health**

Industrial Health

Browne, R. C., M.A., D.M. Oxon. Nuffield Prof.
McCallum, R. I., M.D., B.S. Lond. First Asst.
Steel, J., B.Sc. Chemist.
Loveless, N. E., M.A. Edin. Psychologist.
Newell, D. J., B.A. Camb., F.S.S. Statistician.

Social Assistants

Forsyth, Catherine M., D.S.S. Glas.
Wilkes, Ruth, B.A. Birm.

Medical Jurisprudence

Stephenson, G. E., M.C., B.Sc., M.D., B.S. Lectr.

Medicine

Nattrass, F. J., M.D., B.S., F.R.C.P. Prof.
Smart, G. A., B.Sc., M.D., F.R.C.P. Reader.
Brewis, E. G., M.D., B.S., D.P.H., F.R.C.P. (Infect. Dis.) Lectr.
Thompson, R. B., M.D. First Asst.

Lectrs. in Clin. Medicine

Armstrong, C. N., M.D., B.S., B.Hy., D.P.H., F.R.C.P.
Ogilvie, A. G., M.D., B.S., F.R.C.P.
Ungley, C. C., M.D., B.S., F.R.C.P.

Clinical Teachers

Boon, T. H., M.D., B.S.
Dewar, H. A., M.D., B.S., F.R.C.P.
Miller, H. G., M.D., B.S., D.P.M., F.R.C.P.
Walton, J. N., M.D., B.S. Res. Asst.
Murchison, Mrs. Dorothy J., B.Sc. Res. Asst.
Cole, D. F., B.Sc., Ph.D. Birm. I.C.I. Fellow.
Onions, Mrs. Wendy E. Res. Asst.
Hornsby, Anne, B.Sc. Lady Tata Res. Asst.

Midwifery and Gynæcology

Evers, H. H., M.B., M.S., F.R.C.S., F.R.C.O.G. Prof.

Lecturers

Stabler, F. E., M.D., B.S., F.R.C.S., F.R.C.O.G.
Snaith, L. M., M.D., M.S., F.R.C.S., F.R.C.O.G.
Russell, J. K., M.D., Ch.B. Aberd.
Johnson, G. T., M.B., B.S. Lond. First Asst.
Hunter, W., M.D., B.S., F.R.C.O.G. Clin. Teacher.

Clin. Teachers at Newcastle General Hosp.

Arthur, H. R., M.B., B.S., F.R.C.S.
Kerslake, Dorothy M.

Ophthalmology

Ingram, H. V., O.B.E., T.D., M.B., B.S., D.O.M.S. Lectr.

Clinical Teachers

Arkle, J. S., O.B.E., M.B., B.S., F.R.C.S.Eng. and Ed.
Lake, L. H., M.B., B.S., D.O.M.S.
Howat, J. M. L., M.B., Ch.B. St. And., D.O., D.O.M.S.

Orthopaedic Surgery

Irwin, C. G., M.B., B.S., F.R.C.S.Ed. Lectr.
Stanger, J. K., M.B., B.S., F.R.C.S. Clin. Teacher.

Pathology

Duguid, J. B., M.D., Ch.B. Aberd. Prof.
Herbert, Freda K., M.A. Camb., M.B., B.S. Lond. (Chem. P.) Reader.

Lecturers

Rannie, I., B.Sc., M.B., Ch.B. Glas.
Schade, R. O. K., M.D. Würzburg.
Hart-Mercer, J., M.B., Ch.B. Edin.
Latner, A. L., M.Sc. Lond., M.D., Ch.B. Liv., D.I.C., A.R.C.S. (Chem. P.).
Anderson, G. S., M.B., B.S.

Demonstrators

Richardson, Margaret W., B.Sc., M.B., Ch.B. St. And.
Williams, G., M.B., Ch.B. St. And.
Sharp, A. A., B.Sc., M.B., Ch.B. Edin.
Robertson, W. B., B.Sc., M.B, Ch.B. St. And.
Smith, A. J., M.A. Camb., M.B., B.S.
Stirling, G. A., M.B., B.S.
Levene, C. I., M.B., B.S. Lond.
Parsons, R. S., M.B., B.S.
Raine, Mrs. Laureen, B.Sc. Jr. Luccock Res. Fellow.

Pharmacology

Foggan, D., M.Sc. Lectr.

Photography

Duncan, C. J., M.A. Camb. Dir.

Physiology

Harper, A. A., M.A., M.D., Ch.B. Aberd. Prof.

Lecturers

Saunders, J. A., M.Sc., Ph.D. (Biochem.).
Jenkins, G. N., M.Sc. Liv., Ph.D. Camb. (Nuffield Lectr. to Dental Students).
Forster, Margaret G., M.A., B.Sc. Aberd., Ph.D.
Falconer, Jacqueline S., B.Sc. St. And., Ph.D. Lond. (Biochem.).
Wright, D. E., B.Sc. Lond., Ph.D.
Pickles, V. R., M.A., M.D. Camb., D.C.H.
Catton, W. T., M.Sc. Sheff.
Lake, H. J., M.Sc., Ph.D. Birm. (Biochem.).
Wynne, N. A., M.B., B.S.
Schofield, B., M.A., M.D., B.Chir. Camb.
Scratcherd, T., M.B., B.S.
Taylor, W., B.Sc. Edin. Sr. Luccock Res. Fellow.
Dowse, C. M., B.Sc. Lond. Temp. Demr.

Psychological Medicine

Kennedy, A., M.D. Lond., D.P.M., F.R.C.P., F.B.Ps.S. Prof.
Smith, F. V., M.A. Syd., Ph.D. Lond., F.B.Ps.S. Consulting Psychologist.

Lecturers

Orton, R., M.D. Leeds, D.P.M.
Garside, R. F., B.Sc. Lond.
Liggett, J., B.Sc. Lond.
Miller, H. G., M.D., D.P.M., F.R.C.P.
Osselton, J. W., B.Sc. (Electronics).
Torrie, A., M.A. Aberd., M.B., Ch.B., D.P.M.
Gittins, J., M.A., B.Sc. Lond. (Juv. Delinquency).
Spencer, S. J. G., M.A., B.M., B.Ch. Oxon., D.P.M. Lond.

Psychiatric Social Workers

Middleton, Jean G., M.A. Edin.
Brandon, Joanne, B.A.
Castelow, J.

Associate Clin. Teachers

Bamford, C. B., M.D. Liv., D.P.M.

Cuthbert, T. M., D.P.M.

Murray, J. R., M.D. Lond., D.P.M.

Child, J. P., M.A., B.M., B.Ch. Oxon., D.P.M.

McCoull, G., O.B.E., M.D., B.S.

Cobb, Kathleen B., M.A. Camb., M B., Ch.B Edin., Dip. Psych.

Public Health

Walton, W. S., G.M., M.D., B.S., B.Hy., D.P.H. Lectr.

Sanderson, A. W., M.B., Ch.B. Edin. (Hospl. Admin.) Lectr.

Patterson, W. G., M.D., Ch.B. Edin., D.P.H., F.R.C P. (Hospl. Admin.) Lectr.

Radiology

Davidson, S. W., M.D., B.S., F.R.C.P., F.F.R. Lectr.

Clinical Teachers

Ramage, D., M.D., Ch.B. Manc., D.M.R.E. Liv.

Houston, B. D., M.B., B.S., D.M.R.

Warrick, C. K., M.B., B.S. Lond., D.M.R., F.R.C.S.Ed.

Surgery

Lowdon, A. G. R., O.B.E., M.A., M.B., Ch.B. Edin., F.R.C.S.Ed. Prof. and Hd. of Dept.

Hodgson, N., M.B., M.S., F.R.C.S. Eng. and Ed. Prof.

Tibbs, D. J., M.C., M.B., B.S. Lond., F.R.C.S. Reader.

Lecturers

Mason, G. A., M.B., B.S., F.R.C.S. (Thor. S.).

Rowbotham, G. F., B.Sc. Manc., F.R.C.S. (Neur. S.).

Braithwaite, F., O.B.E., M.A. Camb., M.Sc. Manc., M.B., B.Chir. Camb., F.R.C.S. (Plastic S.).

..... First Asst.

Walder, D. N., M.D., Ch.B. Brist. (Exp. S.).

Hammersley, D. P., B.A. Med. Artist.

Lectrs. in Clin. Surgery

Gilmour, J., M.B., M.S., F.R.C.S.

Whyte, A. H., D.S.O., T.D., M.B., M.S., F.R.C.S.

Hewitson, W. A., M.B., B.S. Lond., M.B., M.S., F.R.C.S.

Brumwell, J , M.B., B.S., F.R.C.S.

Feggetter, G. Y , M.B., M.S., F.R.C S.

Watts, W. P. T., A.F.C., M.B., M.S., F.R.C.S.Ed.

Clinical Teachers

Jones, J. D. T , M.B., M.S., F.R.C.S.

Hindmarsh, F. D., M.B., M.S., F.R.C.S.

Clin. Teacher at Newcastle General Hosp.

Rose, J. D., M.B., B.S., F.R.C.S.

Venereal Diseases

Macfarlane, W. V., M.D., Ch.B., D.P.H. Edin. Lectr.

Clinical Teachers

Macfarlane, W. V. (v. *supra*).

Pick, R., M.D. Vienna.

William Henry Charlton Lecturer

1953—Prof. J. Wilde.

University Extension

Dir. of Extra-Mural Studies: B. W. Abrahart, M.Ed.

Staff Tutors: T. Atkinson, B.A. Camb.; L. B. Barr, M.A. Oxon.; D. S. Bland, M.A. Camb.; Elizabeth Carrick, M.A. Lond.; N. Dees, B.A. Manc.; J. Hemingway, B.A. Lond., J.P.; G. Jobey, D.S.O., M.A.; W. M. Williams, M.A. Oxon.; A. G. Wilson, B.A. Manc.; M. G. Smith, M.A. Oxon.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrars: H. J. M. Scott, M.B.E., B.Com. (Estates); D. H. Willson, B.A. Oxon.; A. R. Jones, B.A. Oxon.; N. Shott, D.F.C. (at Med. Sch.); T. R. Saunders, B.A. Manc. (at Dental Sch.). Asst. Bursar: L. Scrivener. Cashier: R. Adair, D.P.A. Supervisor of Lodgings: J. Dickinson, M.A., M.Eng. Wardens of Hostels: V. Brown, O.B.E., T.D., M.Sc. (Henderson Hall); Alfreda M. Truesdale, B.Sc., Dip.Ed. Liv. (Ethel Williams Hall); Jacqueline S. Falconer, B.Sc. St. And., Ph.D. Lond. (Easton Hall); Margaret M. Aitchison (Sub-Warden, Easton Hall). Hon. Chaplain: Rev. A. J. Bennitt, M.A.

GENERAL INFORMATION

The University of Durham College of Medicine was originally founded in 1834 and became associated with the Univ. of Durham in 1852. Armstrong Coll., Newcastle upon Tyne, was founded in 1871, as a part of the Univ. of Durham. In 1937 the two Colls. were merged to form King's Coll., Newcastle upon Tyne, in the Univ. of Durham.

Owing to recent expansions, various depts. of the Coll. are spread over a wide area and a plan showing their location is published in the *General Prospectus*.

INCOME (1952–3), £943,180.

LIBRARY, approx. 195,000 vols. and approx. 62,500 pamphlets (including the Med. libraries). There are also departmental libraries. Sp. collections: Heslop, English dictionaries (277 vols.); Merz, philosophical, mathematical and general (3940 vols.); Oriental, with sp. ref. to India (2762 vols. and 2082 pamphlets); Gertrude Bell, Oriental (1963 vols.); Robert White (*c.* 4000 vols.), English and Scottish ballads, Border hist.

MUSEUMS. Anat., Pathol., Dental, Zool., Geol., Mineral., Chem., Mining, Anthropol., Roman-British Archæol. Technological specimens.

LABORATORIES with special facilities for res. in Engin. and Hydr., Electr. Engin., Naval Archit., Mining and Metall.; special branches of Chem. (incl. Phys. Chem. and Electromicroscopy), Phys., Geol., Bot. and Agric.; Marine Biol. (Dove Marine Lab., Cullercoats, Northumberland).

The Agric. Dept. manages the Coll. Farm at Nafferton, Prudhoe Station, and the Coll. Res. Station at Cockle Park, Morpeth; it also has the use of other County and Crown estates for teaching, res. and demonstration purposes.

ADMISSION. Those wishing to read in the Coll. for a degree (awarded by the Univ. of Durham) must satisfy the Univ. matric. requirements (*see* Appendix I). Enquiries concerning admission to non-Med. depts. of the Coll. should be addressed to the Registrar, King's College, Newcastle upon Tyne, 1; students wishing to read Med. should write to the Asst. Registrar, the Medical School, King's College, and Dent. Surg. to the Asst. Registrar, Sutherland Dental School, Northumberland Rd., Newcastle upon Tyne, 1.

DEGREE COURSES, ETC. Complete Courses for degrees of Univ. of Durham in Arts (3 yrs.), Archit. (5 yrs.), Med. and Surg. (6 yrs.), Dent. Surg. (6 yrs.), Sci. (3 or 4 yrs.), Appl. Sci. (3 or 4 yrs.), Law (3 yrs.), Econ. Studies (3 yrs.), Soc. Studies (3 yrs.), Town and Country Planning (5 yrs.), Fine Art (4 yrs.), and Agric. (3 or 4 yrs.).

Instruction in Clin. Med. and Surg. is given in the Royal Victoria Infirmary

(830 beds) and other hospls.; in Practical Midwifery and Clin. Gynæcol. at the Princess Mary Maternity Hosp. and Newcastle Genl. Hosp.; in Clin. Dental Surg. in the Newcastle upon Tyne Dental Hosp. The Pathol. Museum provides an exceptional collection of specimens prepared by modern methods. Postgrad. med. and dental teaching is supervised by cttees. representing the Coll. and assoc. hosps. Res. facilities are available in the various depts.

The Appl. Sci. courses are in Engin. (Mech., Marine, Civil or Electr.), Naval Archit., Mining, Metall.; and (postgrad. only) Agric. Engin. and Chem. Engin.

The Course for the Inst. of Educn. Dipl. is available for grads. who intend to teach either in Primary or Secondary Schools.

Under the Tutorial System, each student (except in the Dental Sch.) is assigned on entry to a tutor, who is responsible for advising him on his course and generally looking after his interests. The Dean of the Dental Sch. performs similar duties for dental students.

UNIVERSITY DIPLOMAS. Education or Art Education (Art Teacher's Dipl.) (1 yr. after graduation); Anthropol. (usually 2 yrs. after graduation); Archit. (5 yrs.); Town Planning (1 yr. after Cert.); Landscape Design (1 yr.); Econ. Studies (2 yrs.); Pub. Admin. (2 yrs.); Pub. Health Engin. (1 yr.); Applied Electronics (1 yr.); Pub. Health (pt.-time, 2 yrs.); Psychol. Med. (1 to 2½ yrs. according to experience); Biblical Studies (full-time, 1 yr.; pt.-time, 2 yrs.).

UNIVERSITY CERTIFICATE. Social Studies (2 yrs.).

COLLEGE CERTIFICATES. Fine Art (2 yrs., pt.-time); Archit. (5 yrs., pt.-time); Town Planning (2 yrs., pt.-time or 1 yr. full-time); Pub. Health Engin. (1 yr.); Prod. Engin. (1 yr.); Fuel Tech. (1 yr.); Electronics (1 yr.); First Aid (Mining Dept.) (2 yrs.).

For admission to study for the Univ. Dipls. in Econ. Studies, Pub. Admin., for the Univ. Cert. in Social Studies, or for the Coll. Cert. in Fine Art, no regular entrance examn. is required: candidates for admission to the Cert. in Soc. Studies course should be over 20.

FEES: Faculties other than Medicine:

Registration (Degree students and some others), £2 p.a.; Students' Socs. and Univ. Union, £5 p.a. Tuition for degree courses: B.A. or LL.B., £30 p.a.; B.Sc. in Pure Sci. or Agric., £38 p.a.; B.Sc. in Engin., Naval Archit., Mining, or Metall., £44 p.a.; B.Arch., 1st, 2nd and 3rd yrs., £30 p.a., 4th and 5th yrs., £22 : 10s. p.a. Postgrad. study and res., £7 to £10 p.a., according to course taken. Tuition for dipl. courses: Educn., £40; Archit., 1st, 2nd and 3rd yrs., £25 p.a., 4th and 5th yrs., £20 p.a.; Town Planning, £16; Landscape Design, £30; Econ. Studies (per subject), £5 : 10s. p.a.; Pub. Admin., £10; Biblical Studies, £30 (full-time; pt.-time students pay by the class or £10 p.a.); Anthropol., £30; Pub. Health Engin., £44; Appl. Electronics, £44. Tuition for cert. courses: Archit., £10 p.a.; Town Planning, £4 or £6 p.a.; Soc. Studies, £30 p.a.; Pub. Health Engin., £44; Prod. Engin., £44; Fuel Technol., £44; Electronics, £44; Univ. Inst. of Education's Art Teacher's Dipl., £40.

Expenses on field work will be incurred to the approx. amount stated in each yr. in which the following subjects are taken: Bot., £8; Zool., £8; Geog., 1st-yr. students, £6, other students, £10-£12, with additional expenses for Hons. students preparing regional dissertations or for field work abroad; Geol., 1st-yr. students, £4, other students, £10 with addtnl. expenses as in Geog.; Surveying, £12 : 10s.; Mining Surveying, £15; Mining (Tour of Mines and Coalfields), £13.

For fees for matricn., examns. and degrees, Univ. section, *see above.*

FEES. Fac. of Medicine:
Systematic, prac. and clin. instruction: Med., 1st and 2nd yrs., £35 p.a., remaining yrs., £40 p.a.; Dental Surg., 1st, 2nd and 3rd yrs., £35 p.a., remaining yrs., £40 p.a. Various incidental fees are also payable.
For fees for matricn., examns. and degrees, Univ. section, *see above.*

SCHOLARSHIPS. Bursaries, £40, awarded at end of 1st yr. of study. Various scholarships and prizes are awarded during degree and diploma courses.

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II.

RESEARCH FUNDS. Various funds for the encouragement of res. are administered by the Council of the Coll.; from these have been established res. fellowships such as the Sir James Knott Fellowships and the Wilfred Hall Fellowship; for further particulars *see* Appendix II. There are also available at the Med. and Dental Schools several funds for medical, surgical and dental res., *e.g.* William Dodds, J. W. Luccock.

GRADUATES' ASSOCIATION. King's College Old Students' Assocn. organizes social and sporting events and distributes certain Coll. publicns.

RESIDENCE. (For Wardens *see* "Administrative and other Staff," p. 148.) For Women (fees, £105 p.a.): Easton Hall, Eskdale Terrace, Newcastle upon Tyne 2 (*Telephone*: Newcastle 81-0507), 40 students; Ethel Williams Hall, Eastfield Rd., Longbenton, Newcastle upon Tyne 7 (*Telephone*: Newcastle 66-2434), 92 students. For Men (fees, £105 p.a.): Henderson Hall, Cochrane Pk., Newcastle upon Tyne 7 (*Telephone*: Newcastle 66-1136), 79 students.

STUDENTS' SOCIETIES, CLUBS, ETC. There are a large number of students' socs. and clubs covering a wide range of interests and activities. The King's Coll. Students' Representative Council exists to promote these interests and activities, and the Union Society provides a centre for social contacts and for various student amenities.

STUDENT ATHLETIC FACILITIES. There are two sports grounds, a new boat-house and two gymnasia, providing for all forms of athletic activity, both indoor and outdoor.

UNIVERSITY EXTENSION: KING'S COLL. DEPT. OF EXTRA-MURAL STUDIES. Tutorial classes in various centres (most of the tutors are regular members of Coll. Staff). Provision made for educn. of national service men, who have higher educnl. qualificns., stationed in the area of Univ. Extension lectures also given within this area.

PUBLICATIONS. Rector's *Report*; King's Coll. *Handbook* (*Non-Medical Depts.*); *Prospectuses* of the Medical and Dental Schools; King's Coll. Dept. of Agric. (Farm Economics Branch) *Reports*; King's Coll. Educn. Soc. *Papers*, 1s. 6d. p.a.; King's Coll. *Mining Bulletin*, £1: 1s. p.a.; King's Coll. *Mining Soc. Journal*, 5s. per copy p.a.; King's Coll. Geographical Soc. *Journal*, 1s. 6d. p.a.; Univ. of Durham Philosophical Soc. *Proceedings*, 1s. 3d. per no.; *Planning Outlook* (Dept. of Town and Country Planning), 15s. p.a.; *The Northerner* (Students), 2s. per copy; *Durham Univ. Medical Gazette*, 7s. 6d. p.a.; *King's Courier* (Students' newspaper), 3d. per no.; King's Coll. S.R.C. *Students' Handbook*; Earl Grey Memorial Lectures, 1s. per copy; William Henry Charlton Memorial Lectures.

THE YEAR 1951–52

BENEFACTIONS. King's Coll. Appeal for £250,000 launched on May 7, 1953. Among the subscriptions received or promised by the end of June were the

following: Sir James Knott Memorial Trustees, £50,000; Swan, Hunter & Wigham Richardson Ltd., £10,000; Vickers-Armstrong Ltd., £10,000; Thomas Hedley & Co., Ltd., £10,000; R. & W. Hawthorn Leslie & Co. Ltd., £8000; William Doxford & Sons, Ltd., £8000; Hugh Wood & Co., Ltd., £5000; C. A. Parsons & Co., Ltd., £5000; A. Reyrolle & Co., Ltd., £5000; Head Wrightson & Co., Ltd., £3500; Smith's Dock Ltd., £3500; Clarke Chapman & Co., Ltd., £3000; Richardsons Westgarth & Co., Ltd., £3000; Merz & McLellan, £2100; Scott & Turner, Ltd., £1250; South Durham Steel & Iron Co., Ltd. and Cargo Fleet Iron Co., Ltd., £1050; Thermal Syndicate, £1050; Associated Lead Manufacturers Ltd., £1000; Viscount Kemsley & Newcastle Chronicle & Journal Ltd., £1000.

NEW BUILDINGS. Temporary bldg. to house Sr. Common Rooms opened Dec. 1952.

ADULT EDUCATION WORK. Dept. of Extra-Mural Studies conducted 49 3-yr. tutorial classes, 34 sessional courses and 48 other courses. Total no. of students: 2780.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. Behn, Stuttgart; Prof. de Bethune, Louvain; Prof. Derruau, Clermont-Ferrand; Prof. Isachsen, Oslo; Prof. Louis, Munich; J.-P. Richard, Institut Français; Prof. Stade, Freiburg-im-Breisgau; Dr. Badger, Adel.; Prof. Giguère, Laval; Dr. Bigeleisen, Brooklyn Natl. Lab., N.Y.; Prof. Heins, Brown Univ., N.Y.; Prof. Hildebrand, Calif.; Prof. Hille, Yale; Prof. Kilpatrick, Illinois Inst. of Technol.; Prof. Mulliken, Chic.; Prof. de Rham, Lausanne and Geneva; Prof. Synge, Dublin Inst. for Advanced Studies; Prof. S. Miller, Kansas, as Visiting Fulbright Prof. of Chem. Engin., 1952–53; Dr. A. E. Cameron, Pres. of N.S.T.C.; Prof. Vinet, École Polytechnique, Montr.; Prof. Korvin-Kroukovsky, Stevens Inst. of Technol., U.S.A.; Prof. Brison, Mons; MM. Hausman and Stassen, Institut National de l'Industrie Charbonnière, Liège; Dr. Jaeger, Brunswick; Prof. Jacquemin, Mons; Prof. Prasad, Indian Sch. of Mines and Appl. Geol., Dhanbad; Prof. Telfer, Trondheim; Sir Russell Brain, Lond.; Dr. Bourne, McG.; Dr. Bowman, Winnipeg, and Dr. K. Grant, Syd. (Nuffield Fellows, working in Dept. of Child Health); Dr. Griffith, McG.; Dr. Johnston, Dir. of Australian Postgrad. Med. Fed.; Dr. Park, Johns H.; Prof. Fanconi, Zür.; Dr. Göpfert, Heidel.; Dr. Kern, St. Gallen; Dr. Pichot, Paris; Prof. Querido, Amst.; Dr. Storm, Copenhagen; J. J. Gerber, Rhodes; Prof. Devanisan, Madras Christian Coll.; Prof. Scheurwegh, Louvain.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Dr. Allen, Assembly's Coll., Belf.; Prof. Butt, Calif. as Visiting Prof.; Prof. Daysh, various centres in Belgium and Netherlands; D. L. Thomas, Berl.; R. E. Dodd, Nat. Res. Council, Ott.; Dr. Jack, Pitt., as pt.-time lectr.; Dr. Moss, M.I.T.; Prof. Thomas, Tübingen; Prof. Burrill and W. Muckle, Delft; Dr. Miller, Aberd. and Brist.; Dr. Pickles and Dr. Schofield, U.S.A.; Dr. Smart, U.S.A.; Prof. Sir James Spence, St. And., Birm., Lond. (Postgrad. Med. Fed.) Amst. and Paris.

RETIREMENTS. G. F. Hardy (Coll. Engineer); C. Waite (Clerk of Works).

RESIGNATIONS. Prof. F. H. Bentley (Surg.); Mrs. V. L. Allan (Dent. Surg.); E. Bishop (Inorg. Chem.), apptd. Lectr. in Chem., U.C., Exeter; J. Ferguson (Classics), apptd. Lectr. in Classics, Q.M.C., Lond.; M. Gilbert (Educn.), apptd. Lectr. at Inst. of Educn., Lond.; Miss N. E. Graham (Appl. Physiol.); Mrs. R. E. A. Ranson (Agric. Bacteriol.); W. H. C. Simmonds

(Chem. Engin.) ; E. J. Straker (Comm. Art) ; N. Trouson (Pathol.) ; A. C. A. Windsor (Philos.).

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	2473	138
Women	618	48
Total	3091	186

Postgraduate Students : Research—Men 134, Women 9 ; Others—Men 134, Women 36 ; total 313.

New Admissions : men, 688 ; women, 172 ; total 860.

Students (full-time) from other countries, 309. (Countries from which largest numbers came : Br. W. Africa, 59 ; Norway, 43 ; India, 22 ; Br. E. Africa, 21 ; Mauritius, 19 ; S. Africa, 16 ; Thailand, 11.

DEGREES AWARDED (by Univ. of Durham). B.Arch., 14 ; B.Sc. (Agric.), 41 ; M.Sc. (Agric.), 20 ; Ph.D. (Agric.), 8 ; B.Sc. (App. Sc.), 125 ; M.Sc. (App. Sc.), 8 ; Ph.D. (App. Sc.), 2 ; B.A., 168 ; M.A., 3 ; M.Litt., 2 ; B.C.L., 1, Ph.D. (Arts), 1 ; B.Com., 12 ; M.Com., 1 ; M.Ed., 5 ; LL.B., 7 ; M.B., B.S., 95 ; M.D., 7 ; B.D.S., 24 ; B.Sc., 145 ; M.Sc. (Pure Sc.), 10 ; Ph.D. (Pure Sc.), 10 ; D.Sc., 1.

UNIVERSITY DIPLOMAS AND CERTIFICATES AWARDED. Archit., 9 ; Biblical Studies 3; Educn., 93; Landscape Design, 8; Town Planning, 5; Soc. Studies, 2 ; Dent. Surg., 32.

[*Information compiled as at* 25/6/54 ;
Staff list revised on 14/9/54.]

UNIVERSITY OF HULL*

Founded as University College of Hull, 1927

Postal Address : Hull, England.

Telephone : Hull 18960 (6 lines).

VISITOR—H.M. THE QUEEN.

CHANCELLOR—The Rt. Hon. LORD MIDDLETON, M.C., T.D., J.P., Lord Lieutenant of the East Riding of Yorkshire.

PRO-CHANCELLORS—The Rt. Hon. Lord HOTHAM, D.L. ; The Rt. Hon. THE EARL OF ANCASTER, T.D., B.A. Camb., J.P. ; H. I. LOTEN, M.B.E., J.P.

VICE-CHANCELLOR—J. H. NICHOLSON, C.B.E., B.A. Oxon., M.A. (Ed.) Brist.

PRO-VICE-CHANCELLOR—Professor BRYNMOR JONES, B.Sc., Ph.D. Wales, Ph.D., Sc.D. Camb., F.R.I.C.

REGISTRAR—W. D. CRAIG, B.L. Glas.

LIBRARIAN—AGNES CUMING, M.A. N.U.I., B.Sc. Oxon.

TEACHING STAFF

Botany

Good, R. D'O., M.A., Sc.D. Camb. Prof.

Cromwell, B. T., B.Sc., Ph.D. Liv. Reader.

Lecturers

Flint, Elizabeth A., M.Sc. N.Z., Ph.D. Lond.

Stenton, H., B.A., Ph.D. Camb.

Watts, W. A., B.A. Dub. Asst. Lectr.

Chemistry

Jones, B., B.Sc., Ph.D. Wales, Ph.D., Sc.D., Camb., F.R.I.C. G. F. Grant Prof.

Lecturers

Orr, W. B., D.Sc. Belf., Ph.D. Durh.

Baldwin, R. R., M.A. Camb.

Kipling, J. J., M.A., B.Sc., D.Phil. Oxon.

Gray, G. W., B.Sc. Glas., Ph.D. Lond.

Barker, C. C., B.Sc., Ph.D. Brist.

Norris, A. D., M.A., D.Phil. Oxon., F.R.I.C.

Clarke, K., M.Sc., Ph.D. Liv.

Shorter, J., B.Sc., M.A., D.Phil. Oxon.

Classics

Gillies, M. M., M.A. Camb., Ph.D. Edin. Prof.

Lecturers

Chilton, C. W., M.A. Camb.

Norman, A. F., M.A. Oxon.

Goold, G. P., B.A. Lond.

Rudd, W. J. N., B.A. Dub.

Landels, J. G., M.A. Aberd., B.A. Camb. Asst. Lectr.

Economics and Commerce

Bowen, I. I., M.A. Oxon. Prof.

* Member of the Association of Universities of the British Commonwealth.

Lecturers
Saville, J., B.Sc. (Econ.) Lond.
Rotheray, D., M.A. Camb.
Nicholson, R. J., M.A. Camb.
Hiner, O. S., M.A., Camb.
Smyth, R. L., B.Com.Sc. Belf.
Kemp, T., B.Sc. (Econ.) Lond.
Lane, P. A., B.Sc. Wales
Clegg, H. L., B.Sc. (Econ.) Lond.

Research Assistants
Bellamy, Joyce M., B.Com. Lond.
Mace, D., B.A. Camb.

Education
Castle, E. B., M.A. Oxon. Prof.

Lecturers
Bull, K. R., M.A. Oxon. (Phys E.).
Bull, Marion, B.Sc. Lond.
Graham, Janet B. (Phys. E.).
Lawson, J., M.A. Manc.
Bradley, J., M.A. Camb., M.Sc. Lond.
Bunker, G. A. S., B.Sc. (Econ.) Lond.
Garforth, F. W., M.A. Camb.
Stern, H. H., M.A. Lond.
Miles, H. B., B.Sc. Wales.
Hebren, Mrs. Miriam E., M.A., Ph.D. Lond.
Atkins, S. H., M.A., Ph.D. Lond.
Sibley, Gwendoline Pt.-time Lectr.
Burnett, Miss M. Pt.-time Lectr.

English Language and Literature
Brett, R. L., B.A. Brist., B.Litt. Oxon. G. F. Grant Prof.

Lecturers
'Espinasse, Mrs. Margaret, B.A., B.Litt. Oxon.
Binns, A. L., B.A. Manc.
Hunter, G. K., M.A. Glas., D.Phil. Oxon.
Woolf, Rosemary, B.Litt., M.A. Oxon.

French
MacInnes, W. A., M.A. Glas., D. ès L. Paris, O.A. Prof.

Lecturers
Maguire, Patricia I., M.A. Glas.
Ginestier, P., L. ès L., Dipl. d'Ét. Sup. Paris.
Charlton, D. G., M.A. Camb.
Pickford, C. E., M.A. Manc.
Coveney, J., B.A. R'dg., D. de l'U. Stras.

Geography
King, H., M.A. Liv. Prof.

Lecturers
Brachi, D. P., M.B.E., M.A. Camb.
Latham, Lois R., B.A. Sheff.
de Boer, G., M.A. Camb.
Appleton, J. H., M.A. Oxon., B.Sc. Durh.

Assistant Lecturer
Harris, A., M.A. Lond.

Geology
Lecturers
Penny, L. F., M.A. Camb. Hd. of Dept.
Neale, J. W., B.Sc. Manc.
Henderson, F. P., B.Sc. Edin.

German
Baier, C., B.A. Liv., Dr.Phil. Tübingen Hd. of Dept.
Waidson, H. M., M.A. Birm., Dr. Phil. Leipzig Lectr.
Ellis, J. O., B.A. Manc., Ph.D. Lond. Asst. Lectr.
Blohmé, E., fil. mag. Lund (Swedish) Asst. Lectr.
Atkinson, J., B.A. Leeds (Finnish) Lectr.
Riethmüller, W. Lector.

Health Visitor's Course
Hutchison, A., M.D., Ph.D. Glas., D.P.H., D.P.A. Pt.-time Lectr.
Standring, Helen, M.B.E., M.D. Liv., D.P.H. Pt.-time Lectr.

History
Dickens, A. G., M.A. Oxon., F.R.Hist.S. G. F. Grant Prof.

Brooks, F. W., M.A. Lond., F.R.Hist.S., F.S.A. Reader.

Lecturers

Douie, Decima L., M.A. Oxon., Ph.D. Manc., F.R.Hist.S

.....

Spencer, F., M.A., Ph.D. Manc.
Davis, R., B.Sc. (Econ.) Lond.
Brown, Lucy, M.A. Camb.
Coleclough, J. E., M.A., LL.B. Camb. Pt.-time Lectr.

Law

Taylor, F. W., LL.B. Wales, M.A. Camb. Hd. of Dept.
Bevan, H. K., LL.B. Wales Lectr.
Hughes, G. B. J., M.A. Camb., LL.B. Wales Lectr.
Hudson, A. H , B A , LL.B. Camb. Lectr.
Mallett, E. C., F.C.A. Pt.-time Lectr.

Mathematics

Steward, G. C , M.A., Sc.D. Camb., D.Sc. Lond. G. F. Grant Prof.

Lecturers

Neumann, Mrs. Hanna, D.Phil. Oxon.
Parsons, H. W., M.A. Camb.
Hale, V. W D., M.A., Ph.D. Camb.
Shepperd, J. A. H., M.Sc. Lond.
Morris, G. R., B.Sc. Syd., B.A., Ph.D. Camb.

Assistant Lecturers

Cook, I. T., B.A. Camb., B.Sc. Lond.
Wallington, J. E., M.A. Camb.

.....

Music

Marchant, R. B., M.A., Mus.B. Camb. Hd. of Dept.
Joubert, J., B.Mus. Durh. Lectr.

Philosophy

Jessop, T. E., O.B.E., M.A. Leeds, B.Litt. Oxon., Litt.D. Dub. Ferens Prof.
White, A. R., B.A. Dub. Lectr.
Stern, A. L., Dr Phil Geneva. Asst. Lectr.

Physics

..... Prof.

Lecturers

Jones, J. I., B.Sc., Ph.D. Wales, F I.P Actg. Hd. of Dept.
Cunliffe, A., B.Sc., Ph.D. Lond.
Hough, J. M., M.A. Camb.
Reed, C. E., B.Sc. Durh.
Goodyear, J., B.Sc., Ph.D. Leeds.
Muir, J., B.Sc., Ph.D. Edin.
Duffin, W. J., M.A. Camb.

Psychology

Westby, G., M.A. Oxon. Hd. of Dept.
Symons, J. R., B.A. R'dg. Lectr.
Royse, A. B., M.Sc. Manc. Lectr.
Miller, H. J. B., B.Sc , M.B., Ch.B. Glas., D.P.M. Manc. Pt.-time Lectr.

Social Studies

Drinkwater, R. W., M.A. Camb. Hd. of Dept.
Klingender, B.Sc. (Econ.), Ph.D. Lond. Lectr.
Collins, Mrs. Frances D. O., Dipl. Psychiatric Social Work Edin. Lectr.
Horobin, G. W., B.Sc. (Econ.) Lond. Res. Asst.

Theology

Lecturers

Tinsley, Rev. E. J., M.A., B.D. Durh. Hd. of Dept.
Thompson, Rev. P. J., M.A. Oxon.
Richardson, Rev. W., M.A., B.D. Oxon. Pt.-time Lectr.

Zoology

'Espinasse, P. G., M.A. Oxon. Prof.

Lecturers

Trueman, E. R., B.Sc. Glas.
Grainger, J. N. R., B.A., M.Sc. Dub.

Edwards, R. L., M.A., D.Phil. Oxon.
Nowell, N. W., B.Sc. Liv.

Sister Tutors' Course

Miles, H. B., B.Sc. Wales Lectr.

Part-time Lecturers

Cumming, A. R. R., M.D., Ch.B. Aberd.
Hutchison, A., M.D., Ph.D. Glas., D.P.H., D.P.A.
McCoy, J. H., M.B., B Ch. Belf., D.P.H. Belf.
Standring, Helen, M.B.E., M.D. Liv., D.P.H.
Tod, D. L. M., M.B., Ch.B. Edin.

Ferens Lecturer

(Fine Art)

1954–55—John Betjeman

St. John's College (Cambridge) Lecturer

1954–55—W. G. Palmer, D.Sc. Louvain, M.A., Sc.D. Camb.

Adult Education

Mayfield, G. E. T., B.A. Lond. Prof.

Adult Education in H.M. Forces (Cttee. for)

Sec.: Mayfield, G. E. T., B.A. Lond. Prof.
Asst. Sec.: James, M. Stephanie C., B.A. Camb.

Staff Lecturers

Burrows, W. R., M.A. Oxon.
Butterfield, Mrs. Madge, M.A. Camb.

Art, History of

Smart, P. A. M., M.A. Glas., Dipl. in Art Edin. (S.T.).*
Warburg, M. A., Dr.Phil. Berl. (S.T.).

Economics

Barmby, J. E., B.Com. Birm. (S.T.).
Evans, R., B.Sc. (Econ.) Lond. (S.T.).

History

Gillett, E., B.A. Lond. (S.T.).
Marsden, A., B.A. Wales (S.T.).
Reynolds, Mrs. Catherine E. M., B.A. Oxon. (S.T.).

History, Local

MacMahon, K. A., M.A. Lond. (S.T.).

Literature and Drama

Hoggart, H. R., M.A. Leeds (S.T.).
Marckwald, W. M. (S.T.).
Styan, J. L., M.A. Camb. (S.T.).
Purser, Miss A. O., B.A. Brist.

Philosophy and Psychology

Rickman, H. P., M.A. Lond., D.Phil. Oxon. (S.T.).

Swedish

Blohmé, E., fil. mag. Lund. (in conjunction with Dept. of German).

Institute of Education

Castle, E. B., M.A. Oxon. Dir. and Prof.
James, I. T., M.A. Camb., B.Sc. Lond. Sec.
Hobkinson, J. D., M.A. Sheff. Sr. Tutor.
Miller, D. C., B.A. Lond. Tutor.
Freeman, C. B., B.A. Oxon., F.L.A. Librarian.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrars: D. Campbell, B.A. Camb. (Property and Works), R. B. Shepherd, B.Sc. Lond. (Academic). Admin. Asst.: F. M. Algate, B.Sc. (Econ.) Lond. Accountant: B. Armitage. Asst. to Accountant: J. B. Wood. Dep. Librarian: A. C. Wood, M.A. Glas. Sr. Asst. Librarian: J. Farrell, M.A.

* (S.T.) = Staff Tutor.

Camb. Medical Officer: R. Raines, M.B., Ch.B. Leeds. Sec., Appts. Bd.: P. J. Coveney, M.A. Camb.

WARDENS OF HALLS OF RESIDENCE. A. J. Treherne, B.A. Liv. (Camp Hall); P. J. Coveney, M.A. Camb. (Needler Hall); Margaret Beaton, B.A. Camb. (Cleminson Hall); Jane G. Dow, M.A. Edin. (Thwaite Hall).

GENERAL INFORMATION

The University of Hull, incorporated as the University College of Hull in 1927, was founded by the Rt. Hon. Thomas Robinson Ferens, LL.D., 1847–1930. The University Coll. was opened to students for the first time in 1928. On May 13, 1954, approval was given to the grant of a Charter constituting and founding a University within the City and County of Kingston upon Hull, under the style and title of "The University of Hull."

CONSTITUTION. The governing body of the University is the Court of Governors, which is widely representative of local authorities and other public bodies and of learned and professional societies. The managing body is the Council, which includes representatives of the Senate. The Senate consists of the professors and heads of designated departments with representation of the lecturing staff.

LIBRARY. Over 110,000 bks.; includes material for advanced res. Learned periodicals and scientific proceedings are represented by over 550 current issues, and by sets of back numbers.

DEGREE COURSES. B.A., B.Sc., LL.B., B.Sc. (Econ.)—3 yrs. Both B.A. and B.Sc. may be taken as a Special degree in one main subject, or as a Joint degree in 2 main subjects.

HIGHER DEGREES. D.Litt., D.Sc., Ph.D., M.A., M.Sc., LL.M., M.Sc. (Econ.), M.Ed., B.D., 3 or 2 yrs. for Ph.D.; 2 yrs. for Master's degree or B.D. Most degrees are open to grads. of other Univs.

DIPLOMA COURSES. Appl. Econ. (pt.-time), 3 yrs.; Advanced Diploma in Educn. (pt.-time), 2 yrs.; Postgrad. Dipl. in Finnish, 2 yrs.; Pub. Admin. (pt.-time), 3 yrs.; Soc. Studies, 2 yrs. (1 yr. for grads.); Sister Tutor's, 2 yrs.; Theol., 2 yrs.

CERTIFICATE COURSES. Further Study in Divinity (pt.-time), 2 yrs.; Grad. Cert. in Educn., 1 yr.; Engl., 1 yr.; Postgrad. Cert. in Finnish, 1 yr.; Local Hist. (pt.-time), 3 yrs.; Swedish (pt.-time), 2 yrs. Law Society and Bar Exams. Health Visitor's Cert. of Royal Sanitary Inst.

ADMISSION. *See* Appendix I. Students under 17 yrs. of age are not admitted without the special permission of the Senate.

FEES. Tuition p.a.: Degree in Arts, Comm., Econ., £33-£40; Degree in Science, £40; Degree in Law, £15; Dipl. in Social Studies, £33; Dipl. in Applied Economics, £10; Dipl. in Pub. Admin., £10; Cert. in Educn., £50: 10s.; Registration fee, 49s.; Students' Union fee, £4.

BOARDS OF FACULTIES in Arts and Pure Science. Dean of Arts: Prof. I. I. Bowen (Econ.); Dean of Science: E. R. Trueman (Zool.). Boards of Studies for Public Administration, Adult Education, Law.

SCHOLARSHIPS awarded annually—4 Open Scholps. of £80; 12 Open Scholps. of £40; Ferens Birthday Scholps. of £50; Frank Finn Scholp. of £40; A. E. Morgan Scholp. of £40; Commercial Scholp. of £50; A. P. Needler

Scholps. of £50; G. F. Grant Scholps. of £40; William Wilberforce Scholp. of £50; Beatrice Pearlman Scholp. of about £30; W. H. Slack Scholp. of £20; Adult Scholps. of £50; Reckitt Scholps. of £40; Scholp. in Social Studies of £40; Sister Tutor's Scholp., £40.

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II.

RESIDENCE. (For Wardens *see* "Administrative and other Staff", p. 157.) All students in regular attendance, not living with their parents, are required to live in one of the Halls of Residence, unless sp. permission to the contrary is given by the Principal. For women (fees: £120 per session): Cleminson Hall, Cottingham, E. Yorks. (*Telephone*: Cottingham 47326), 68 students; Thwaite Hall, Cottingham, E. Yorks. (*Telephone*: Cottingham 47410), 175 students. For men (fees: £123 per session): Camp Hall, Harland Way, Cottingham, E. Yorks. (*Telephone*: Cottingham 47396), 300 students; Needler Hall, Cottingham, E. Yorks. (*Telephone*: Cottingham 47181), 68 students.

INSTITUTE OF EDUCATION (*see also* p. 156). *Constituent Colleges*: University Dept. of Education (Professor: E. B. Castle, M.A. Oxon.); Endsleigh Training College, Hull (Principal: Mary Guy, M.A. Oxon.); Hull Municipal Training College (Principal: Helena Todd, M.A., M.Ed. Leeds). The Institute, which was inaugurated in 1948, was founded to establish closer relationships with institutions in Hull and the neighbouring area specifically concerned with the trg. of teachers. Students of the Inst. prepare for the Grad. Certif. in Educn. or for the Certif. in Educn. Other major activities of the Inst. are the organization and provision of refresher and advanced courses for practising teachers, and the planning of educnl. investigation and res. The Inst. bldg. contains a common room, an exhibition room and a library of 10,000 books. Annual journal: *Studies in Education*.

UNIVERSITY AIR SQUADRON. The University Air Squadron, a regular unit of the Royal Air Force, commanded by Sqn. Leader D. G. Walker, A.F.C., is affiliated to the Univ.; membership is open to students who expect to be resident at Univ. for a min. of 2 yrs., and affords an opportunity for pilot and officer training at the Squadron's airfield at Brough.

FERENS SOCIETY (Old Students' Association). Pres.: The Vice-Chancellor; Chairman: P. T. Meldrum, LL.B. Lond.; Sec.: Miss M. M. Brennan, B.A.; Treasurer: J. Wood, B.Sc. Membership is open to all past members of the Students' Union, all full-time members of the Staff (Assoc. Members), and certain other Assoc. and Hon. Members who are elected by the Assocn.

PUBLICATIONS. *Calendar* (Oct.); *Prospectus and Regulations*; *Yorkshire Bulletin of Social and Economic Research* (half-yrly.) (jtly. with Depts. of Economics of Univs. of Leeds and Sheffield); *Studies in Education*; Inst. of Educn., *Scholarships Prospectus* *The Torch* (Magazine of the Students' Union) (3 times p.a.).

THE YEAR 1952–53

BENEFACTIONS. Further substantial benefactions received in response to private appeal.

NEW BUILDINGS. New animal house opened; first section of new Chem. bldg. completed; first stage of Ferens Hall of Residence for Men started.

CHANGES IN REGULATIONS. Establishment of Dipl. in Social Studies, Dipl. and Certif. in Social Admin., Certif. in Pub. Admin.; revised regulns. for Dipl. in Pub. Admin.

EXTRA-MURAL WORK. 2628 persons attended 138 courses (held in 49 different centres) arranged by Dept. of Adult Educn. Ten residential week-end schools held at Scarborough, Skegness and Cleethorpes; 20 public lectures held in various centres; a large no. of single and pioneer lectures given at different places in area. Through the Cttee. for Educn. in H.M. Forces 118 classes and courses provided for Service personnel.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. H. S. Commager, Col., "The Nature of American Nationalism"; D. G. James, Southampton, "The Tempest"; Prof. E. Vinaver, Manc., "Trouvères et troubadours," followed by a song recital by Madame Vinaver; Prof. C. Dédéyan, Paris, "La Pensée religieuse de Bernanos"; Prof. F. Martini, Stuttgart, "Roman und Novelle im 19. Jahrhundert"; Prof. T. A. Bennet-Clark, King's Coll., Lond., "Effects of Auxins on the Growth of Underground Rhizomes"; Prof. H. W. Melville, Birm., "Recent Progress in the Mechanism of Synthesis of High Polymers"; Dr. R. Spence, "Chemical Research at Harwell"; Dr. A. F. Wells, "Structural Inorganic Chemistry"; Prof. G. Temple, King's Coll., Lond., "The New Analysis"; Prof. A. E. Green, King's Coll., Newcastle, "Finite Elastic Deformation,"; W. H. Hayman, Exeter, "Symmetrisation"; Prof. H. R. Pitt, Nott., "Randomness in Mathematics"; L. A. Pars, Camb., "Holonomic Co-ordinates"; Prof. W. W. Rogosinski, King's Coll., Newcastle, "Off to Infinity"; Prof. T. G. Cowling, Leeds, "Causality and Freewill"; Prof. W. Smith, "The Location of Industry."

RESIGNATIONS. D. Barker (German), apptd. Lectr., Liv. U.; Dr. B. Carstensen (German); D. D. Davis, apptd. Res. Fellow, Sheff. U.; F. G. Foster; C. Garton, apptd. Lectr., King's Coll., Newcastle; P. A. Holkers; Mrs. M. E. McNaughton; Miss M. B. Magee, apptd. Sr. Lectr. in Educn., Nott. County Trg. Coll., Retford; A. G. Rose, apptd. Asst. Lectr. in Soc. Admin., Manc.; Dr. G. L. Sewell; Dr. E. M. O'Sharkey; M. J. Webb, apptd. Deptl. Lectr., Oxon.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	544	39
Women	254	11
Total	798	50

Postgraduate students, 135 (incl. 110 taking Certif. in Educn., and 25 engaged in research and taking higher degrees).

New admissions, 230.

Students (full-time) from other countries, 64. (Countries from which largest numbers came: Nigeria, 32; Gold Coast, 11.)

DEGREES (London external). B.A., 83; M.A., 1; B.Com., 1; B.Sc. (Econ.), 5; LL.B., 6; B.Sc., 68; B.Sc. Sp. Examn. (Maths., Adv. Subjs.), 2; M.Sc., 2; Ph.D., 4.

DIPLOMAS. Dipl. in Social Studies, 9; Sister Tutor's Dipl., 5.

CERTIFICATES. Cert. in Educn., 100; Health Visitor's Cert., 1.

[*Information compiled as at* 4/6/54 ;
Staff list revised on 21/9/54.]

UNIVERSITY OF LEEDS*

Founded 1904

Postal Address : Leeds 2, England.
Telephone (Registrar) : Leeds 31751.

VISITOR—H.M. THE QUEEN.

CHANCELLOR—H.R.H. THE PRINCESS ROYAL, C.I., G.C.V.O., G.B.E. LL.D. Leeds, Sheff , Camb., St. And , and Manc., D.C.L. Oxon.

PRO-CHANCELLOR—Sir HUBERT S. HOULDSWORTH, Q.C., LL.D. Nott., D.Sc., LL.D.

VICE-CHANCELLOR—Sir CHARLES R. MORRIS, M.A. Oxon., LL.D. Manc. D.Litt. Syd.

PRO-VICE-CHANCELLOR—Professor J. H. RICHARDSON, M.A Camb., Ph.D. Lond

TREASURER—Hon. RUPERT E. BECKETT, LL.D.

REGISTRAR—J. V. LOACH, B.Sc., Ph.D. Birm., F.R.I.C.

BURSAR—E. J. BROWN, O.B.E., B.Com. Lond.

LIBRARIAN—B. S. PAGE, M.A. Birm.

TEACHING STAFF

Agriculture, v. *infra*

Anatomy

Durward, A., M.D. N.Z. Prof.
Boyd, G. I., M.D., F.R.C.S. Ed. Sr. Lectr.
Gillies, J. C., M.B., Ch.B., F.R.C.S. Ed. Hon. Lectr.

Lecturers

Coupland, R. E., M.D., Ph.D.
Walls, W. K. J., M.B., Ch.B.
Holmes, R. L., M.Sc., M.B., Ch.B.

Demonstrators

Denniss, R. G., M.B., Ch.B.
Fitton, E. P., M.B., Ch.B.
Sharp, J. A., M.B., Ch.B.
Robertson, C., M.B., Ch.B. Birm.

Hon. Demonstrator

Agar, H., M.B., B S. Lond., B.Sc., M.B., Ch.B., F.R.C.S.

Biochemistry

Happold, F. C., Ph.D., D.Sc. Manc., F.R.I.C. Prof.
Dagley, S., M.A., B.Sc. Oxon., M.Sc. Lond., F.R.I.C. (Physico-Chemical Aspects of B.) Reader.
Kilby, B. A., M.A., Ph.D. Camb., F.R.I.C. Sr. Lectr.

Lecturers

Chattaway, F. W., Ph.D., M.Sc. Lond.
Dawson, J., M.Sc., M.B., Ch.B.

* Member of the Association of Universities of the British Commonwealth.

Hullin, R. P., M.Sc., Ph.D. Wales.
Bowen, T. J., M.A., B.Sc. Oxon.
Grossbard, Erna, B.Sc. R'dg., Ph.D. Temp. Lectr.
3 Res. Assts.

Biomolecular Structure

Astbury, W. T., M.A., Sc.D. Camb., D.Sc. Stras., F.I.P., F.R.S. Prof.
MacArthur, J., M.A., B.Sc., Ph.D. Glas. Reader.
Rudall, K. M., M.Sc. N.Z., D.Sc., Ph.D. Reader.
Pautard, F. G. E., M.Sc. Birm. I.C.I. Res. Fellow.
Charles, A. O. T., M.Sc. Lond. Res. Fellow.

Research Assistants

Beighton, E., B.Sc., Ph.D.
Tibbs, J., B.Sc., Ph.D.
Haggith, J. W., B.Sc.
Parker, K. D., B.A. Camb., Ph.D.
Millard, A. (Elect. Microscope).

Botany

Manton, Irene, B.A., Sc.D., Ph.D. Camb. Prof.
Preston, R. D., D.Sc., Ph.D., F.I.P., F.R.S. (Plant Biophys.) Prof.
Scott, Lorna I., M.Sc. Lond., F.L.S. Sr. Lectr.
Sledge, W. A., B.Sc., Ph.D. Sr. Lectr.

Lecturers

Nicolai, Marie F. E., D.Phil. Ley.
Greenwood, A. D., B.Sc. Manc.
Robinson, Mrs. Edith, B.Sc. Durh., Ph.D.
Wesley, A., B.Sc. Lond., F.G.S.
Walker, T. G., B.Sc. Temp. Asst. Lectr.

Demonstrators

Hepton, C. E. L., B.Sc. Lond.
Watson, Pauline, B.Sc. Lond.

Research Assistant

Shivas, Mary G., B.Sc. Aberd.

Chemistry, Inorganic and Structural, v. also Technology—Colour Chemistry

Cox, E. G., T.D., D.Sc. Brist., F.I.P., F.R.I.C., F.R.S. Prof., Chairman of Chem. Depts.
Hartshorne, N. H., M.C., M.Sc. Birm., Ph.D. Lond., F.R.I.C. (Chem. Micros.) Reader.
Hume, J., B.Sc. Edin. Sr. Lectr., Supdt. of Chem. Labs.

Senior Lecturers

Bradley, R. S., M.A., Sc.D. Camb., F.R.I.C.
Clark, C. H. D., D.Sc. Lond.
Garrick, F. J., M.A. Oxon.

Lecturers

Cruickshank, D. W. J., M.A. Camb., B.Sc. (Eng.) Lond., Ph.D. (Math. Chem.)
Pringle, G. E., M A., Ph.D. Camb.
Truter, Mrs. Mary R., B.Sc., Ph.D. Lond.
Wheatley, P. J., M.A., D.Phil. Oxon.
Smith, J. A. S., M.A., D.Phil. Oxon.
Robertson, J. H., B.Sc., Ph.D. Edin. (Brotherton)
Parry, G. S., B.Sc., Ph.D. Lond. I.C.I. Res. Fellow.
Barclay, G. A., B.Sc., Ph.D. Syd. I.C.I. Res. Fellow.

Research Assistants

Whitaker, H., M.Sc.
Pilling, Diana E., B.Sc. Lond.
Balashov, V.

Chemistry, Organic

Lythgoe, B., M.A. Camb., Ph.D. Manc. Prof.
Baker, J. W., Ph.D., D.Sc. Lond., F.R.I.C. (Mech. of Org. Reactions) Reader.

Wightman, W. A., M.A. Oxon., F.R.I.C.
Sr. Lectr., Dep. Supdt. of Chem. Labs.
Rothstein, E., Ph.D., D.Sc. Lond.
Sr. Lectr.

Lecturers
Briscoe, P. A., B.Sc. Brist., Ph.D.
Bowden, K., B.Sc., Ph.D. Lond., D.I.C., F.R.I.C.
Clark, E. R., B.Pharm. Wales, Ph.D. Lond.
Austin, A. T., M.Sc. Melb., Ph.D. Lond.
Trippett, S., B.A., Ph.D. Camb.
Walton, A. W., B.Sc.
Asst. Supdt. of Chem. Labs.

Chemistry, Physical
Dainton, F. S., M.A., B.Sc. Oxon., Ph.D., Sc.D. Camb., F.R.I.C.
Prof.

Senior Lecturers
Smith, G. F., Ph.D. Wales and Camb.
Belton, J. W., Ph.D., D.Sc. Liv.
Caldin, E. F., M.A., D.Phil. Oxon.

Lecturers
Bunn, D., B.Sc., Ph.D.
Carson, A. S., M.Sc. Belf., Ph.D. Manc.
Collinson, E., M.A., Ph.D. Camb.
Ivin, K. J., B.Sc. Lond., M.A., Ph.D. Camb.
Taube, Prof. H., M.S. Sask., Ph.D. Calif.
Brotherton Res. Lectr.
Stranks, D. R., M.S., Ph.D. Melb. (Radiochem.) Asst. Lectr.
Bond, G. C., B.Sc., Ph.D. Birm.
I.C.I. Fellow.
Hardwick, T. J., B.Sc., Ph.D. McG.
J. W. Wootton Res. Fellow.
Manning, P. P., M.A., Ph.D. Camb.
Salters' Co. Res. Fellow.

Research Assistants
Volans, P., B.Sc., Ph.D.
Devlin, T. R. E., B.A., B.Sc. Dub.

Classics: Greek
Davison, J. A., T.D., M.A. Oxon.
Prof., Dean, Fac. of Arts.
Parry, Olwen A., M.A. Camb., B.A.
Lectr.
Rowe, K. R., B.A. Camb.
Asst. Lectr.

Classics: Latin
Wood, E. J., M.A. Aberd. and Camb.
Prof.
Binyon, D. E. F., M.A. Oxon.
Sr. Lectr.

Lecturers
Wade, W. V., M.A. Sheff., B.A. Lond., F.S.A. (Romano-Brit. Archæol.).
Newell, A. N., M.A. Camb.
Martin, R. H., M.A. Camb., B.A.
Borthwick, E. K., M.A. Aberd., M.A., Ph.D. Camb.
Harrison, E. L., B.A. Manc., B.Litt. Oxon.

Commerce, v. Economics

Dentistry, v. *infra*

Economics and Commerce
Brown, A. J., M.A., D.Phil. Oxon.
Prof. and Hd. of Dept.
Richardson, J. H., M.A. Camb., Ph.D. Lond. (Indust. Relns.)
Montague Burton Prof.

Senior Lecturers
Johnson, L. G., B.A. Sheff.
Hare, A. E. C., M.A. Camb., Ph.D. Lond.

Lecturers
Sheard, P. M., B.A. Oxon.
(Accty.).
Beresford, M. W., M.A. Camb.
(Econ. Hist.).
Rimmer, W. G., M.A. Camb., A.M. Harv. (Econ. Hist.)
Bellamy, R., M.A. Oxon.

Hillmann, H. C., M.A. St. And.
Dean of Fac.
Newlyn, W. T., B.Sc. (Econ.) Lond.
Sargan, J. D., M.A. Camb.
Speight, H., B.A. Lond.
Johnson, A., B.Sc. Lond.
(Econ. and Extra-Mural).
Rainnie, G. F., M.A. Aberd.
Whitaker, F. P. G., M.A. Oxon., S.M., M.I.T., (Ind. Man.)
Sigsworth, E. M., B.A., Ph.D. (Econ. Hist.).
Snowball, S., F.S.A.A. (Accty) (Pt.-time).
McDonald, T., B.Com. (Accty.) (Pt.-time).
Brothwell, J. F., B.A. (Econ.) Nott. Asst. Lectr.

Research Assistants

McManus, M., B.Com. Birm.
Hutt, Mrs. F. Rosemary, B.A. Oxon.

Education

Armfelt, R. N., M.A. Camb.
Prof. and Hd. of Dept.
Niblett, W. R , B.A. Brist., B.Litt. Oxon.
Prof. of Educn. and Dir. of Inst. of Educn.
Curtis, S. J., T.D., M.A., Ph.D. Lond. Sr. Lectr.
Boultwood, Myrtle E. A., M.A. Lond. Sr. Lectr.

Lecturers

Bosworth, Eugenie M., M.A. Oxon.
Burns, D. G., M.A. Birm., B.A. Lond.
Martin, Audrey J.
Ottaway, A. K. C.,, M.A., B.Sc. Lond.
Wallbank, S. Annie, B.Sc. Lond.
Howie, G., M.A., Ed.B. Aberd.
Laing, A., M.A., Ed.B. Aberd.
Neal, L. F., B.A. Lond.
Phillips, D. Jean, M.A., B.Sc. Lond.
Tate, W. E., B.Litt. Oxon., F.S.A.
Connell, L., B.Sc. Manc., M.Sc. Lond.
Cruickshank, Mrs. Marjorie A., B.A. Manc., M.A. Lond.
Wise, A. Speech Trainer.

Engineering, v. Technology

English Language and Mediæval English Literature

Orton, H., B.Litt., M.A. Oxon.
Prof.
Doyle-Davidson, W. A. G., B.A. Lond. Sr. Lectr.
Cawley, A. C., M.A., Ph.D. Lond. Sr. Lectr.
Taylor, A. R., M.A. Manc. Lectr.
Thomson, R. L., B.Litt. Glas., B.A. Asst. Lectr.
Ellis, S., M.A. Res. Asst.

English Literature

Dobrée, B., O.B.E., M.A. Camb., Docteur de Dijon Prof.
Knight, G. Wilson, M.A. Oxon., F.R.S.L. Reader.
Jefferson, D. W., B.Litt. Oxon., B.A. Sr. Lectr.

Lecturers

Kettle, A. C., M.A., Ph.D. Camb.
Fisch, H., B.A. Sheff., B.Litt. Oxon.
Creedy, A. J., B.A. Lond., M.A. Camb.
Over, G. A., B.A.
Mann, J. P., B.A. Sheff.
Asst. Lectr.
Heath-Stubbs, J., B.A. Oxon.
Gregory Fellow in Poetry.

Fine Art

de Sausmarez, M.
Sr. Lectr. and Hd. of Dept.
Hauser, A., Dr. Phil. Bud.
Lectr.
Armitage, W. K.
Gregory Fellow in Sculpture.
Frost, T.
Gregory Fellow in Painting.

French Language and Literature

Clapton, G. T., M.A. Sheff.
Prof. and Hd. of Dept.

Ullmann, S., Ph.D. Bud., D.Litt. Glas.
Prof. of Romance Philol.

Inebnit, J. P., L. ès L. Neuchâtel
Sr. Lectr.

Benn, T. V., B.A., Ph.D.
Sr. Lectr.

Lecturers

Hainsworth, G., D. de l'U. Paris, M.A.

Coe, R. N. C., M.A. Oxon.

Ireland, G. W., M.A. Edin.

Ireson, J. C., M.A. Lond.

Rothwell, W., M.A. Oxon., D. de l'U. Paris.

Crews, Mrs. Cynthia M., M.A. Camb., Ph.D. Lond. (Fr. Phonet.).

Davis, Megan R., L. ès L. Paris, Ph.D. Lond.
Anglo-French Fellow.

1 Lecteur ; 3 Lectrices.

Geography

Peel, R. F. E. W., M.B.E., M.A. Camb.
Prof.

Fowler, F. J., B.A., Ph.D.
Sr. Lectr.

Lecturers

Kirk, M., M.A.

Jones, G. R. J., M.A. Wales.

Leeming, F. A., B.A. Camb.

Eyre, S. R., B.Sc., Lond., Ph.D. Sheff.

Assistant Lecturers

Palmer, J., B.A. Camb.

Dickinson, G. C., M.A. Camb.

Geology

Kennedy, W. Q., D.Sc. Glas., F.R.S.
Prof.

Versey, H. C., D.Sc., F.G.S.
Sub-Dean, Facs. of Sci. and Tech., Reader Appl. Geol.

Hemingway, J. E., B.Sc., Ph.D.
Sr. Lectr.

Lecturers

Rayner, Dorothy H., M.A., Ph.D. Camb.

Hartley, J., B.Sc.

Turner, J. S., M.Sc. Lond., F.G.S. (Palæontol.).

Knorring, O. von, M.Sc. Helsinki (Mineral. and Geochem.).

. . . . . .

Kerr, Mrs. Margaret H., B.Sc. Glas.
Res. Asst. and Demr.

German Language and Literature

Gillies, A., M.A. Sheff., Dr.Phil. Gött.
Prof.

Caldwell, M. Constance, B.A.
Sr. Lectr.

Lecturers

Frowein, Mrs. Irene, B.A. Lond.

Wilkie, J. R., M.A. Aberd , B.A. Camb.

Thomas, L. H. C., M.A. Oxon., Ph.D.

History

Le Patourel, J., M.A., D.Phil. Oxon.
(Med. H.) Hd. of Dept., Prof.

Gash, N., M.A., B.Litt. Oxon.
(Mod. H.) Prof.

Richardson, G. W., M.A. Lond.
(Anc. H.) Sr. Lectr.

Lecturers

Collyer, C., M.A. Oxon. (Mod. H.).

Cox, J. W., B.A. (Med. H.).

Woolrych, A. H., B.Litt., M.A. Oxon. (Mod. H.).

Jones, P. J., M.A., D.Phil. Oxon. (Med. H.).

Taylor, J., M.A. Oxon. (Med. H.).

Assistant Lecturers

Hutt, M. G., B.A. Oxon.

Upton, A. F., B.A. Oxon., M.A. Duke.

History of Science

Gregory, J. C., B.Sc. Lond., F.R.I.C.
Hon. Lectr.

Italian Language and Literature

May, F., B.A. Lond.
Lectr. and Hd. of Dept.
McNair, P. M. J., M.A. Oxon.
Lectr.

Law

James, P. S., M.A. Oxon. Prof.
Haggen, G. L., M.A., B.C.L. Oxon.
Reader, Dean of Fac.
Hornsey, G., LL.M. Lectr.
Davies, M. R. R., Ph.D. Camb., LL.M. Lectr.

Pt.-time Lecturers

Bradley, D. W., LL.B.
Chapman, C. D., M.A. Oxon.
Mason, G. F. P., M.A. Camb.
Teeman, R., LL.M.

Mathematics

Ruse, H. S., M.A. Oxon., D.Sc. Edin.
(Pure M.) Hd. of Dept., Prof.
Cowling, T. G., M.A., D.Phil. Oxon., F.R.S. (App. M.)
Prof., Dean, Fac. of Sci.
Ursell, H. D., M.A. Camb.
(Math. Analysis) Reader.
Welch, B. L., B.A. Oxon., Ph.D. Lond. (Stats.) Reader.
Gilham, C. W., M.A. Camb., B Sc. Lond. Sr. Lectr.

Lecturers

Slater, N. B., M.A. Edin. and Camb., Ph.D. Camb. (Appl. M.).
Price, H. L., M.A. Camb., M.Sc., Ph.D. (Appl. M.).
Tempest, R. K., M.Sc., Ph.D Liv. (Appl. M.).
Hesse, Mary B., M.Sc., Ph.D. Lond. (Appl. M.).
Barrett, W., B.A. Oxon., D. de l'U. Paris (Pure M.).
Perrott, I. B., M.A. Oxon. (Pure M.).
James, G. S., B.A. Camb. (Stats.).
Löb, M. H., M.A. Lond. (Pure M.)
Evans, D. Hywel, Albert Medal, M.A. Oxon., B.Sc. Wales
Pt.-time Lectr.

Medicine and Surgery, v. *infra*

Metallurgy, v. Technology (Coal Gas)

Mining, v. Technology

Music

Denny, J. R., M.B.E., M.A., Mus.B. Camb.
West Riding Prof. of Music.
Allam, E. W., M.A. Camb., D.Mus. Lond. (Composition) Reader.

Lecturers

Mumby, F. S., B.Mus. Durh. and Lond., B.A.
Brown, J. C., M.A., Mus.B. Camb., F.R.C.O.
Leighton, K., B.A., B.Mus., Oxon.
Gregory Fellow.

Pharmacology

Bain, W. A., D.Sc., Ph.D. Edin.
Prof.
..... Sr. Lectr.

Lecturers

Mogey, G. A., M.B., B.Ch., B.A.O. Belf.
Exley, K. A., M.D.
Hey, P , M.Sc., Ph.D. (Pharmacol. Chem.).
Dare, J. G., Ph.D. (Pharmacy).
Nelson, G. A., M.Sc., F.L.S. (Pharmacognosy).
Brown, Barbara G., B.Sc., Ph.D.
Demr.

Philosophy

Toulmin, S. E., M.A. Camb. and Oxon., Ph.D. Camb.
Prof. and Hd. of Dept. (from 1st Aug. 1955).
Cameron, J. M., B.A. Oxon.
Sr. Lectr.
Alexander, P., B.A., B.Sc. Lond.
Lectr.
Hunter, G. B. B., M.A. Oxon.

Curtis, S. J., T.D., M.A., Ph.D. Lond. Hon. Lectr.

Phonetics

MacCarthy, P. A. D., M.A. Camb. Sr. Lectr. and Hd. of Dept.

Woodhead, J. L., M.A. Camb. Lectr.

Physical Education

Morgan, R. E., B.A. Lond. Dir.

Adamson, G. T., B.Sc. Lond. Lectr.

Hunter, Dorothy A., Dipl. Phys. Educ. Lond. Lectr.

Wilde, J. E. Asst.

..... Asst.

Physics

Stoner, E. C., B.A., Sc.D. Camb., F.I.P., F.R.S. Cavendish Prof. of Phys. and Hd. of Dept.

Wilson, J. G., M.A., Ph.D. Camb., F.I.P. Prof.

Hoare, F. E., M.Sc., Ph.D. Lond., F.I.P. Reader.

Long, F. A., B.Sc. Lond. Sr. Lectr.

Ewles, J., M.A. Camb. Sr. Lectr.

Lecturers

McDougall, J., M.A., Ph.D. Camb.

Curry, C., B.Sc., Ph.D. Durh.

Tebble, R. S., B.Sc. Durh., Ph.D., F.I.P.

Kellermann, E. W., D.Phil. Vienna, Ph.D. Edin.

Marsden, P. L., B.Sc. Birm , Ph.D.

Rhodes, P., B.Sc., Ph.D.

Seymour, E. F. W., M.A. Oxon.

Hodson, A. L., M.Sc., Ph.D. Manc.

Youell, R. F., B.Sc. Lond.

Nicolson, Mrs. Phyllis, M.A. Camb., M.Sc., Ph.D. Manc. Pt.-time Lectr.

Research Assistants

Matthews, J. C., B.Sc., Ph.D.

Chappel, F. P., M.Sc. Lond.

Tennent, R. M., B.Sc., Ph.D. Lond I.C.I. Research Fellow.

Physiology

Hemingway, A., M.Sc., M.B., Ch.B. Prof.

Noltie, H. R., M.A., B.Sc. Aberd. Sr. Lectr.

O'Connor, W. J., M.A. Camb., M.D. Adel. Sr. Lectr.

Lecturers

Allen, W. J., M.D. Belf.

Newman, P. P., M.D. Liv.

Holgate, J. A., M.B., Ch.B., M.Sc.

Wolstencroft, J. H., M.A. Camb. Ph.D.

Cambridge, G. W., B.Sc. Lond.

Coleridge, J. C. G., B.Sc., M.B., Ch.B.

Linden, R. J., M.B., Ch.B.

Pyrah, L. N., M.Sc., M.B., Ch.M., F.R.C.S. Hon. Demr.

Psychology

Meredith, G. P., Ph.D. Lond., M.Sc., M.Ed., F.B.Ps.S. Prof.

Lecturers

Joselin, A. G., M.A., B.Sc. Lond. (Educ. P.).

Morrisby, J. R., B.A. W.Aust. (Soc. P.).

Harper, R., M.Sc. Manc., Ph.D. R'dg., F.B.Ps.S. (Indust. P.).

Russian Language and Literature

Hayward, H. M., M.A. Oxon. Lectr. and Hd. of Dept.

Dressler, A., B.A. Lectr.

Minskers, Mrs. Harriet Temp. Asst.

Semitic Languages and Literatures

Bowman, Rev. J., M.A., B.D. Glas., D.Phil. Oxon. Sr. Lectr. and Hd. of Dept.

..... Montague Burton Lectr. in Med. and Mod. Hebrew.

Lecturers

Macdonald, Rev. J., M.A., B.D. Glas., S.T.M. N.Y.

Isserlin, B. S. J., M.A. Edin. and Oxon., B.Litt., D.Phil. Oxon.
Sivan, R., M.A., Hebrew Univ., Jerusalem Lector.

Social Studies

Grebenik, E., M.Sc. (Econ.) Lond. Prof. and Hd. of Dept.

Lecturers

Vaughan, E. A., B.Com. Durh. (Soc. Studies).
Hanson, A. H., M.A. Oxon. (Pub. Admin.).
Henriques, L. F., M.A., D.Phil. Oxon. (Soc. Anthropol.).
Wiseman, H. V., M.A. Oxon., B.Sc. (Econ.) Lond. Lectr. in Depts. of Soc. Studies and Extra-Mural Studies.
Brown, Ida E., M.A. Sheff. Lectr. and Sr. Tutor.
Rainnie, Mrs. Bettine M., B.A. Lond. Lectr. and Tutor.
Slaughter, C., B.A. Camb. Asst. Lectr.
Collins, Mrs. C. Doreen E., B.Sc. (Econ.) Lond. Asst. Lectr. and Tutor.
Heywood, Jean S., B.A. Manc. Asst. Lectr. and Tutor.
Head, W. G., B.Sc. (Econ.) Lond. Res. Asst.

Spanish Language and Literature

Brown, R. F., M.A., Ph.D. Liv. Cowdray Prof.

Lecturers

de Irizar, Agustín, Licdo en Fil. y Let. Madrid, M.A.
McCririck, Verena N. R., M.A. Birm.

Assistant Lecturers

Davies, G. A., M.A. Oxon.
Smith, C. C., M.A., Ph.D. Camb.
Garrad, K., B.A. Camb.
1 Lector ; 1 Lectora

Technology, v. *infra*

Theology

Reid, Rev. J. K. S., M.A., B.D. Edin. (Theol.) Prof.
Easson, Rev. D. E., M.A., B.D., Ph.D. St. And. (Church Hist. and Doctrine) Sr. Lectr.

Lecturers

Barclay, Rev. R. A., M.A., B.D. Edin. (O.T. Studies, Biblical Hebrew and Hist. of Rel.).
Higgins, Rev. A. J. B., M.A. Wales, B.D., Ph.D. Manc. (N.T.).
10 Associate Lectrs. in local Theol. Coll.

Zoology, v. also Agric.

Spaul, E. A., D.Sc., Ph.D. Lond. Prof.
Kerr, T., M.A., D.Sc. Glas. Reader.
Henson, H., D.Sc., Ph.D. Birm. Sr. Lectr.

Lecturers

Broadhead, E., M.A., B.Sc., D.Phil. Oxon., F.R.E.S.
Brust, Jean, B.Sc. R'dg., Ph.D.
Werth, Irene, M.A. Oxon.
Owen, R. W., M.Sc., Ph.D. Wales.
Brown, Grace F., B.Sc. Durh. Asst. Lectr.
Lewis, J. R., B.Sc., Ph.D. Wales Asst. Lectr.
Grimes, Hazel D., B.Sc. Res. Asst.

Agriculture

Bywater, T. L., B.Sc. Wales, M.S. Wis. Prof., Hd. of Dept.
McGregor, J., B.Sc. Glas. Prof.
Dalling, Sir Thomas, M.A. Camb., LL.D. Glas., D.Sc. Belf. and Brist., F.R.C.V.S. Clive Behrens Lectr.
Holliday, R., B.Sc. Sr. Lectr.
Boaz, T. G., M.B.E., M.A., Dip. Agric. Camb. Sr. Lectr.
Barrowman, J. R., B.Sc. Glas. Lectr. and Farm Dir.

Bramley, C. W., B.Sc., Dip. Agric. Lectr.
..... (Crop Husb. and Farm Machinery) Asst. Lectr.
Hodgson, D. R., B.Sc., Dip. Agric. Camb. Agronomist.
Frankland, B., B.Sc., Dip. Agric. Demr.

Agricultural Bacteriology

Wolf, J., M.Sc. R'dg. Sr. Lectr.
Barker, A. N., M.Sc., Ph.D. Lectr.

Agricultural Botany

Western, J. H., B.Sc., Ph.D. Wales Sr. Lectr.
Jones, A. Powell, M.Sc. Wales Lectr.
Turner, Dorothy M., Dip. Hort. R'dg., M.Sc. Lectr.
..... Res. Asst.

Agricultural Chemistry

Willcox, J. S., B.Sc. Lond., F.R.I.C. Sr. Lectr.
Townsend, W. N., B.Sc. Lectr.
Payne, D., M.A., Dip. Agric. Sc. Camb. Lectr.
Lax, G. R. Analyst.
..... Demr.

Agricultural Economics

Long, W. H., M.A. Oxon. Principal Agric. Economist.
Jeffrey, A. G., B.Com. Sr. Lectr.
Butler, J. B., M.Sc. Lond., M.Com. Birm. Sr. Agric. Economist.
Marsh, A. A., B.Sc. (Econ.) R'dg., Dip. Agric.Econ. Oxon. Asst. Lectr.
Wynne, A. J., B.Sc. Lond. Agric. Economist.
Simpson, I. G., B.Sc. R'dg. Agric. Economist.

Asst. Agric. Economists

Dawson, E., B.Sc.
Lloyd, D. Hanbury, B.Sc. Wales.
Simpson, Mrs. Morag C., B.Sc. (Econ.), M.Sc. (Agric.) Lond.
Wright, Edith M., B.Sc. Nott.

Agricultural Zoology

..... Sr. Lectr.
Gibson, N. H. E., B.Sc. Lond., Ph.D. Lectr.

Veterinary Hygiene

Towers, K. G., B.V.Sc. Liv. Vet. Officer and Lectr.

Dentistry

Anæsthetics, General

Harbord, R. P., M.D. Liv., D.A., F.F.A.R.C.S. Lectr.

Dental Anatomy and Physiology

Sykes, J. G., B.Ch.D., F.D.S.R.C.S. Lectr. (C.).*

Dental Histology

..... Hon. Demr. (C.).

Dental Materials, Chemistry and Physics of

Pt.-time Lecturers

Hume, J., B.Sc. Edin.
Roberts, Prof. A. L., B.Sc., Ph.D., F.I.F., F.R.I.C.
Petch, N. J., B.Sc., Ph.D. Lond., B.Met. Sheff.

Dental Mechanics

Stephens, H. D., L.D.S. Lectr. (C.).

Dental Pathol. and Bacteriol.

Read, Prof. T. T., F.R.F.P.S. Glas., F.D.S.R.C.S. Lectr.

Dental Radiology

Johnstone, Prof. A. S., M.D. Edin., D.M.R.E. Camb., F.R.C.S., Ed., F.F.R. Lectr.

Dental Surgery

Read, T. T., F.R.F.P.S.Glas., F.D.S.R.C.S. Prof. of Clin. Dent. Surg. and Warden.
Hollings, M. R., B.Ch.D., F.D.S.R.C.S. (Clin. Dent. Surg.) Sr. Lectr.

* (C.) = Clinical Lectr.

Cocker, J. P., L.D.S., F.D.S.R.C.S. Lectr. (C.).*
Johnson, H. G. L., L.D.S. (C.).
Woodcock, S. R., H.D.D. Edin., L.D.S. (C.).
Cork, D. J., L.D.S. (C.).
Brook, F., H.D.D. Edin., L.D.S. (C.).
Wood, T. Jason, B.Ch.D., L.D.S.
Newbould, K. M., B.Ch.D., L.D.S. Hon. Lectr. (C.).
Southam, F. L., L.D.S. Sr. Hospl. Dent. Officer.
6 vacancies for Hon. Clin. Tutors.
8 House Surgeons, 4 Asst. House Surgeons.

Dental Surgery, Clinical

Lecturers

Carr, Mrs. Kathleen M., B Sc , B.Ch.D., L.D.S.
Ross, J. H., B.Ch.D., L.D.S.
Heylings, R. T., M.B., Ch.B., B.Ch.D., L.D.S.
Jackson, D., M.D S., L.D.S. Manc.
Copland, J., B.Ch.D., L.D.S.

Oral Biology

Weidmann, S. M., Dr.Ing. Darmstadt, Ph.D. (Oral Biol.) Res. Fellow.

Orthodontia

Shaw, H., L.D.S., F.D.S.R.C.S. Sr. Lectr.

Prosthetic Dentistry

Woodhead, C., L.D.S. Lectr.
Thornham, C. B., B.Ch.D., L.D.S. Lectr.

Medicine

(for subjects of first 2 yrs.—Anat., etc., v. *supra*)

Anæsthetics

Harbord, R. P., M.D. Liv., F.F.A.R.C.S. Reader.
Harrison, Gwendolen, M.B., Ch.B., F.F.A.R.C.S. (C.).
Lawrence, R. C., M.B., Ch.B., F.F.A.R.C.S. (C.).
Harris, R. L. H., M.B., B.S. Lond., F.F.A.R.C.S. (C.).
Hawthorne, A. T., M.B., Ch.B., B.A.O. Belf., F.F.A.R.C.S. (C.).
Mackintosh, F. G., M.B., Ch.B. Aberd., F.F.A.R.C.S. (C.).
Smith, Mrs. Doris N. Ambery, F.F.A.R.C.S. (C.).
Young, D. S., M.B., Ch.B., F.F.A.R.C.S. (C.).
Bruce, I. S., M.B., B.S. Durh. Lectr.
Ablett, J. J. L., M.B., B.S. Lond., D.A., F.F.A.R.C.S. Hon. Lectr.

Bacteriology

Oakley, C. L., M.D., B.S., D.Sc. Lond. Brotherton Prof.
Gordon, J., M.D., D.P.H. (Clin. B.) Reader.
Johnstone, K. I., B.Sc., Ph.D., M.B., Ch.B. (Pub. Health B.) Reader.
Zinnemann, K. S., M.D. Frankfurt Sr. Lectr.

Lecturers

Williamson, G. M., M.B., Ch.B.
Nicholson, D. E., B.Sc., Ph.D. Lond., F.R.I.C.
Czekalowski, J. W., M.D. Edin., D.T.M. & H.
Flewett, T. H., M.D. Belf.
Holman, R. A., M.B., Ch.B.
La Touche, C. J. P., M.Sc. Dub. (Med. Mycol.).
Turner, G. C., M.B., Ch.B.
Eaves, G., B.Sc. Manc., Ph.D. (Electron Micros.) Res. Asst.

Cancer, v. Pathol., Experimental

Forensic Medicine

Polson, C. J., M.D. Birm., F.R.C.P. Prof.

* (C.)=Clinical Lectr.

Brittain, R. P., M.A., B.Sc., M.B., Ch.B., B.L., LL.B., D.P.A. Glas. Sr. Lectr.
Marshall, T. K., M.B., Ch.B. Lectr.

Medical Physics

Spiers, F. W., Ph.D., D.Sc. Birm. Prof.

Lecturers

Reed, G W., M.Sc.
Hay, G. A., M.Sc. Durh.
Kewley, Norma, B.Sc. Demr.
Burch, P. R. J., M.A. Camb., Ph.D. Med. Res. Council Fellow.
Metcalf, A., B.Sc. Physicist.

Medicine and Clin. Med.

Tunbridge, R. E., O.B.E., M.D., M.Sc., F.R.C.P. Prof. (C.).*
Hartfall, S. J., T.D., B.Sc., M.D., F.R.C.P. (Clin. Med.) Prof. (C.).
..... (Therapeutics) Prof. (C.).
Taverner, D., M.B.E , M.D. Sr. Lectr.
Ingram, J. T., M.D. Lond., F.R.C.P. (Dermatol.) Sr. Clin. Lectr. (C.).
Hellier, F. F., O.B.E., M.A. Camb., M.D. Lond., F.R.C.P. (Dermatol.) Sr. Clin. Lectr.
Anning, S. T., M.A., M.D. Camb. (Dermatol.) Clin. Lectr.
La Touche, C. J. P., M.Sc. Dub. (Med. Mycol.) Lectr.
Charles, A. O. T., M.Sc. Lond. (Dermatol.) Res. Fellow.
Everall, J. D. (Dermatol.) Sr. Regr. and Tutor.
Edwards, G. F., M.B.E., M.B., B.S. Lond. (Tuberculosis) Pt.-time Lectr.
Tattersall, R. N., O.B.E., M.D. Lond. Lectr. (C.).
Watkinson, G., M.D., B.S. Lond. Lectr.
Marson, F. G. W., M.D. Birm. Lectr.
Benn, E. C., M.B., Ch.B., D.P.H. Liv. (Infec. Diseases) Sr. Clin. Lectr.
Macdonald, W. S., M.C., M.B., Ch.B. Ed., D.P.H., J.P. (Med. Ethics) Lectr.
Garland, H. G., T.D., M.D., F.R.C.P. (Neurol.) Sr. Clin. Lectr.
Horne, G. O., Ph.D. Edin., F.R.C.P.Ed. (Venereal Dis.) Sr. Clin. Lectr. (C.).
Parsonage, M. J., B.Sc., M.B., Ch.B. Manc., D.C.H. Neurol. (C.).
Macpherson, I., M.D., F.R.C.P. Lectr. (C.).
Telling, O. M., M.A., D.M. Oxon., F.R.C.P. Lectr. (C.).
Towers, J. R. H., M.A., M.D. Camb., F.R.C.P. Sr. Clin. Lectr.
Paley, R. G., Ph.D., M.D. (Med.) Res. Fellow.
Hall, D. A., B.Sc., Ph.D. (Gerontol.) Res. Fellow.
Lloyd, P. F , B.Sc , Ph.D. Birm. (Gerontol.) Res. Fellow.
..... (Therapeutics) Asst. Lectr.

Research Assistants

.....
Beattie, J. W., M.D. Belf. (Clin. Med.).
Saxl, Hedwig (Gerontol.).
Graham, G. N., B.Sc. (Gerontol.).

Obstetrics and Gynæcology

Claye, A. M., M.D., F.R.C.S., F.R.C.O.G. (Obstet. and Gynæcol.) Prof.
Lister, Ursula M., M.D. Lond., F.R.C.S.Ed. (Obstet. and Gynæcol.) Sr. Lectr.
Currie, D. W., M.D., Ch.M., F.R.C.S., F.R.C.O.G. (Obstet.) Sr. Clin. Lectr.
Agar, H., M.B., B.S. Lond., B.Sc., M.B., Ch.B., F.R.C.S. (Obstet. and Gynæcol.) (C.).
(Obstet. and Gynæcol.) (C.).
McIntosh, W., M.B., Ch.B. Glas. (Obstet. and Gynæcol.) (C.).

* (C.) = Clinical Lectr.

Farquhar, J. B., M.B., Ch.B. Birm., F.R.C.S.
(Obstet. and Gynæcol.) (C).
Theobald, G. W., M.A., M.D., B.Chir. Camb., F.R.C.S.Ed., F.R.C.O.G. Hon. Lectr.
.....
Redman, T. F., T.D., M.B., Ch.B. Manc., F.R.C.S. Ed.
Hon. Demr.

Pædiatrics and Child Health

Craig, W. S. M., B.Sc. Glas., M.D., F.R.C.P.Ed. Prof. (C.).*
Allibone, E. C., Ph.D. Birm., M.D., D.P.M., F.R.C.P.
Sr. Clin. Lectr.
Pugh, R. J., M.B., Ch.B. Birm., D.C.H. Lond. Lectr.
Buchanan, M. F. G , M.B., Ch.B. Edin., D.C.H. Lond. Lectr.
Langley, R. L , M.A., M.D. Edin., F.R.C.P.Ed. Hon. Lectr.
Bogdan, A., M.D., Lond., D.C.H.
Sr. Registrar and Tutor.

Pathology

Willis, R. A., M.D., D.Sc. Melb., F.R.C.P. Prof.

Senior Lecturers

Carmichael, R., M.B., Ch.B. Edin.
Sutherland, T. W., M.D.

Lecturers

Goldie, W., M.A., M.B., Ch.B. Aberd.
Wright, C. J. E., M.D., M.Sc.
Dawson, I. M. P., M.A., M.B., B.Chir. Camb.
Harriman, D. G. F., M.D. Belf. (Neuropathol.).
..... (P. of Industrial Diseases).
Lissimore, N., M.D.
(Gyn. P.) Pt.-time Lectr.
Anderson, C. K., M.B., Ch.B. St. And. (Genito-Urinary P.)
Res. Fellow.
Thompson, H., M.D. Glas. Demr.
Pyrah, L. N., M.Sc., Ch.M., F.R.C.S.
(Surg. P.) Hon. Demr.
Macpherson, I., M.D., F.R.C.P.
(Med. P.) Hon. Demr.
Garland, H. G., T.D., M.D., F.R.C.P.
(Neuropathol.) Hon. Demr.
Shone, J. A. V.
(Clin. P.) Hon. Demr.

Pathology, Chemical

Fowweather, F. S., M.Sc., M.D., D.P.H. Liv., F.R.C.P., F.R.I.C. Prof.

Lecturers

Anderson, W. N., B.Sc., Ph.D. Belf.
Howarth, A. T., B.Sc. Manc., Ph.D.
Kidder, D. E., B.Sc. Lond.

Demonstrators

Blackburn, J. H., B.Sc.
.....

Pathology, Experimental and Cancer Research

Green, H. N., M.A. Camb., M.D., M.Sc. Sheff.
Prof. of Exp. P. and Dir. of Cancer Res.
Day, T. D., M.A., M.D. Camb.
Sr. Res. Fellow and Asst. Dir. Cancer Res.
Bonser, Mrs. Georgiana M., M.D. Manc., F.R.C.P.
(Cancer Res.) Reader.
Dmochowski, L. L., M.D. Warsaw, Ph.D. (Cancer Res.) Reader.
Stickland, L. H., M.A., Ph.D. Camb.
(Exp. Biochem.) Sr. Lectr.
..... Asst. Lectr.
Clayson, D. B., B.A. Oxon., Ph.D.
(Org. Chem.) Res. Asst.
Hakim, A. A., M.Sc. Beirut, Ph.D. Geneva Res. Asst.

* (C.) = Clinical Lectr.

Redcliffe, Mrs. Marguerite J., M.B., Ch.B.
Pt.-time Res. Asst.
Eaves, G., B.Sc. Manc., Ph.D.
Res. Asst. for Elect. Micros.

Cancer Research Fellows.
Jull, J. W., B.Sc., Ph.D.
Laws, J. O., M.A., M.B., B.Chir. Camb., Ph.D. Lond.
Hardwick, T. J., B.Sc., Ph.D. McG.

Preventive Medicine and Public Health, v. also Pathol.

Davies, I. G., M.D., B.S., D.P.H. Lond., F.R.C.P.
(Pub. Health) Prof.
Dixon, C. W., M.D., B.S. Lond., D.L.O., D.C.H., D.P.H.
Sr. Lectr. and Chief Asst.
Sutherland, R., M.D., D.P.H. Aberd. Sr. Lectr.
Still, R. J., M.A., M.B., B.Chir. Camb. Hon. Lectr.
Tierney, L. J., B.A. Melb., M.Sc. Col. Res. Fellow.
..... Res. Fellow.

Pt.-time Lecturers (Pub. Health)
Bradshaw, D. B., M.A., M.B., B.Ch., B.A.O., D.P.H. Dub.
Jones, J. A. L. V., M.B., Ch.B. Glas., J.P.
Taylor, A. L., M.D., D.P.H., L.D.S.

Instructors (Public Health)
Manley, C. H., M.A. Oxon., F.R.I.C.
Goodfellow, J.
Davies, D. G.
Lyons, J., M.B., Ch.B., D.P.H.
Jamieson, J. G., M.A., B.M., B.Ch. Oxon., D.C.H.

Psychiatry

.....
Nuffield Prof. and Hd. of Dept.

MacCalman, D. R., M.D. Glas., D.P.M., F.B.Ps.S., F.R.C.P. Ed. (Pt.-time) Prof.
Burbury, W. Mary, M.A. Camb., M.B., B.S., D.P.M. Lond.
(Child P.) Sr. Lectr.
Hamilton, M., M.D., B.S. Lond., D.P.M. Sr. Lectr.
Martin, D. R., B.A. Syd.
(Clin. Psychol.) Lectr.

Pt.-time Lectrs. (Mental Dis.)
Sutton, I., B.Sc., M.D. Manc., D.P.M.
Valentine, J., M.B., Ch.B. Glas., D.P.M. Lond.
Affleck, J. W., M.B., Ch.B. Glas., D.P.M. Lond., F.R.F.P.S. Glas.
Wilson, A. H., M.B., Ch.B. Aberd., D.P.M. (Mental Deficiency).
Kahn, J. H., D.P.M. Manc., M.D.
Roberts, J. M., M.B., Ch.B. Edin., D.P.M. Sr Regr. and Tutor.
Guntrip, Rev. H. J. S., B.A., B.D. Ph.D. Lond.
Psychotherapist.
Rosenbusch, H., M.D. Leipzig and Pisa Psychotherapist.
Whyte, Marion B. H., M.A. Edin.
Sr. Psych. Social Worker and Tutor.
Newbigin, Nancy, M.A. Oxon.
Psych. Social Worker.
Webster, R. G., M.A. Aberd.
Psych. Asst.

Radiology and Radiotherapy

Johnstone, A. S., M.D. Edin., D.M.R.E. Camb., F.R.C.S.Ed., F.F.R. *
(Radiodiagnosis) Prof. (C.).*
Illingworth, G. H., M.A. Oxon., M.D., D.M.R. Edin.
(Radiodiag.) Lectr.
Keates, P. G., B.S., M.D. Lond., D.M.R.D. (Radiodiag.)
Res. Fellow.

* (C.)=Clinical Lectr.

La Touche, A. A. D., M.A., M.B., B.Chir. Camb., D.M.R., F.R.C.S.
(Radiother.) Sr Clin. Lectr.

Nuttall, J. R., M.D. Manc., D.M.R., F.F.R.
(Radiother.) Sr. Clin. Lectr.

Lees, J. M., M.A., B.M., B.Ch. Oxon., D.M.R.
(Radiother.) Pt. - time Lectr.

..... (Radiol.) Pt -time Lectr.

Rheumatism Research

..... (Surg. of Rheumatism) Fellow.

..... Fellow.

Surgery

Goligher, J. C., M.B., Ch.M. Edin., F.R.C.S.Ed., F.R.C.S.
Prof. and Hd. of Dept.

Chamberlain, D., M.B., Ch.M., F.R.C.S. Prof. (C.).*

Moir, P. J., M.C., M.B., Ch.B. Glas., F.R.C.S.
Prof. (C.), Dean, Fac. of Med.

Symons, H. W., M.B., Ch.B., F.R.C.S. (Clin. S.) Prof. (C.).

..... Reader.

Pyrah, L. N., M.Sc., Ch.M., F.R.C.S.
Dir. S. Res. and Sr. Clin. Lectr. (Urol.) (C.).

Foster, J., M.A., M.B., B.Chir. Camb., M.D. Melb., F.R.C.S. (Ophthalmol.) Sr. Clin. Lectr.

Black, G. W., M.B., B.S. Lond., F.R.C.S.
(Ophthalmol.) Sr. Clin. Lectr.

Seed, G. S., M.B., Ch.B., F.R.C.S.
(Otol.) Sr. Clin. Lectr.

Boyle, T. McM., M.B., Ch.B., F.R.C.S.
(Otol.) Sr. Clin. Lectr.

Lord, O. C., Ch.M., F.R.C.S.Ed. (Otol.) (C.).

Broomhead, R., M.B., Ch.B., F.R.C.S. (Orthop. S.)
Sr. Clin. Lectr. (C.).

Pain, A. B., Ch.M., F.R.C.S. (Orthop. S.)
Sr. Clin. Lectr. (C.).

.....
(Orthop. S.) Sr. Registrar and Tutor.

Moore, H. D., M.C., M.B., B.S. Syd., F.R.C.S., F.R.C.S.Ed.
Sr. Registrar and Tutor.

Pollock, A. V., B.Sc., M.B., Ch.B. Cape T., F.R.C.S.
Sr. Registrar and Tutor.

Raper, F. P., M.B., Ch.B., F.R.C.S. (Urol.) (C.).

Parsons, F. M., B.Sc., M.B., Ch.B. (Urol.) Res. Fellow.

Anderson, C. K., M.B., Ch.B. St. And. (Genito-Urinary Path.) Res. Fellow.

Armitage, G., M.C., T.D., M.D., Ch.M., F.R.C.S.
Sr. Clin. Lectr. (C.).

Latchmore, A. J. C., M.B.E., M.S. Lond., F.R.C.S. (C.).

Shucksmith, H. S., M.B., Ch.B., F.R.C.S. (C.).

Ellis, M., M.A., M.B., B.Chir. Camb., D.T.M. & H., F.R.C.S. (C.).

Shaw, W. M. H., B.Sc., M.B., Ch.B., F.R.C.S. (Plastic Surg.) Hon. Lectr.

..... (Thoracics) (C.).

Wooler, G. H., M.A., M.D., B.Chir. Camb., F.R.C.S. (Thoracics) (C.).

..... (Thoracic S.) Res. Fellow.

Oldfield, M. W. C., M.B.E., M.A., D.M., M.Ch. Oxon., F.R.C.S. (C.).

* (C.)=Clinical Lectr.

Clark, J. M. P., M.B.E., M.B., Ch.B., F.R.C.S. (Orthop. S.). (C.).*
Henderson, W. R., O.B.E., M.B., Ch.B. Edin., F.R.C.S. (Neurol. S.) Sr. Clin. Lectr.
(Pt.-time) Medical Geneticist
Carter, C. O., B.A., B.M., B.Ch. Oxon.

Technology

v. also Agriculture

Coal Gas and Fuel Industries with Metallurgy

Roberts, A. L., B.Sc., Ph.D., F.I.F., F.R.I.C. Livesey Prof.
Petch, N. J., B.Sc., Ph.D. Lond., B.Met. Sheff. (Metall.) Reader.

Lecturers

Shuttleworth, R., Ph.D. Brist., B.Sc.
Feltham, P., M.Sc , Ph.D. Lond. (Metall.).
Butcher, K. L., B.Sc. Lond., F.R.I.C. (Chem. Engin.) Brotherton Lectr.
Garside, J. E., B.Sc., Ph.D. (Fuel Technol.).
Macrae, J. C., B.Sc. Glas., F.R.I.C. (Gas Chem.).
Carruthers, T. G., B.Sc. (Ceramics and Refractory Materials).
Franklin, N. L., M.Sc., Ph.D. (Chem. Engin.).
Grimshaw, R. W., B.Sc., Ph.D. (Ceramics and Refractory Materials).
Pollard, A., B.Sc. (Chem. Engin.) (Process Instrumentation).
..... (Gas Engin.).

Assistant Lecturers

..... (Met.).
Cass, F. H., B.Sc. (Chem. Engin.).
..... (Fuel Technol.).
Wood, J. W., M.Sc. Tech. Manc., F.R.I.C. (Gas Engin.) Pt.-time Lectr.
Dent, F. J., Ph.D., D.Sc. Hon. Lectr.
Blackburn, W. H., M.Sc., Ph.D. Sr. Res. Chemist.

Research Chemists

Dixon-Lewis, G., M.A., D.Phil Oxon.
Kilham, J. K., B.Sc., Ph.D.
Towler, J. H., M.Sc., Ph.D.

Research Assistants

Evans, Edith, M.Sc.
Catchpole, J. R., B.Sc.
Barker, L., B.Sc., Ph.D.
Isles, G. L., B.Sc., Ph.D.
Plummer, M., B.Sc.
Jackson, E. G., B.Sc., Ph.D.
Howard, P., M.Sc., Ph.D.
Barstow, C., B.Sc.
Holland, B. H., B.Sc. Nott., M.Sc.
Camagni, P., Dott. in Fis. Pavia.

Colour Chemistry and Dyeing

Bradley, W., D.Sc., Ph.D. Manc., F.R.I.C. Prof.
Cross, E. J., B.Sc., Ph.D. Lond., F.R.I.C. (Col. Chem.) Sr. Lectr.
Bird, C. L., M.Sc., F.R.I.C. (Dyeing) Sr. Lectr.
Peters, A. T., D.Sc., Ph.D. Manc. (Col. Chem) Sr. Lectr.
Sutcliffe, F. K., M.Sc. Manc., Ph.D. (Col. Chem. and Dyeing) Res. Lectr.
..... (Lakes and Pigments) Lectr.
Stevens, C. B., B.Sc., Ph.D. (Dyeing) Lectr.
Cundall, R. B., B.Sc., Ph.D. St. And. (Phys. Chem.) Brotherton Res. Fellow.
Jones, F., B.Sc. (Tech.) Manc. (Dyeing) Asst.
..... Res. Asst.

* (C.)=Clinical Lectr.

Denham, W. S., B.Sc. Lond., D.Sc. St. And., F.R.I.C.
Hon. Fellow.

Engineering, Civil

Evans, R. H., D.Sc. Manc., D. ès Sc. Ghent, Ph.D.
Prof. and Admin. Hd. of Engin. Depts.

Wilson, G., M Sc. Hon. Lectr.

Lecturers

Mackey, S., M.E., B.Sc. N.U.I., Ph.D.

Henry, F. D. C., B.Sc. Lond., F.G.S.

Jones, R., M.Sc. Manc.

Lightfoot, E , M Sc. Lond.

Bennett, E. W., M.Sc. Brist.

Engineering, Electrical

Carter, G. W., M.A. Camb. Prof.

Stuart, W. S., M.Eng. Liv. (Electr. Communs.)
Sr. Lectr., Dean, Fac. of Technol.

Lecturers

Bridgwood, T. G., B.Sc., Ph.D.

Greenwood, A. N., M.A. Camb., Ph.D.

Brayshaw, G. S., B.Sc , Ph.D. Lond.

.....

Engineering, Mechanical

Christopherson, D. G., O.B.E., B.A., D.Phil. Oxon., S.M. Harvard Prof.

Leah, A. S., B.Sc., Ph.D. (Appl. Thermodynam.) Reader.

Richardson, S. G., M.Sc. Sr. Lectr.

Shilton, R., B.Sc. (Eng.) Lond.
Sr. Lectr.

Lecturers

Rounthwaite, C., B.Sc., Ph.D.

Appleyard, D., M.Sc.

Stansfield, H., M.Sc. Manc.

Mobbs, F. R., M.Sc.

Palmer, W. B., M.A. Camb., Ph.D.

Leather Industries

Burton, D., M.B.E., D.Sc., F.R.I.C. Prof.

Lecturers

Reed, R., M.Sc. Manc., Ph.D.

Flint, F. Olga, B.Sc., Ph.D.

.....

Scholtz, J.
Supervisor of Exper. Tannery.

Pearson, C. H., B.Sc. Asst. Lectr.
Procter International Res. Lab.

McCandlish, D., M.Sc.
Emer. Prof , Hon. Dir.

..... Res. Asst.

Mining

Whetton, J. T., D.S.O., O.B.E., M.C., T.D., M.Sc. Leeds and Durh. Prof.

Smith, H. G., B.Sc. (Metal Mining and Dressing of Minerals)
Sr. Lectr.

Lecturers

..... (Dressing of Minerals and Coal Prep.).

Potts, W. L. J., B.Sc. Durh. (Mining).

Broadhurst, P. H., B.Sc. (Eng.) Lond., Ph.D. (Mining).

Myers, J. O., B.Sc. (Mine Surv. and Appl. Geophys.).

King, H. J., B.Sc. Lond. (Mining and Mine Surveying).

Habberjam, G. M., B.Sc., Ph.D. (Surv. and Appl. Geophys.).

McFarlane, J., B.Sc. Manc., B.Eng. Sheff., F.G.S.
Hugh Wood Mem. Res. Fellow.

Research Assistants

Huitson, J. J., M.A. Camb.

Duckmanton, B., B.Sc.

Harris, C. C., B.Sc. Lond.

Drimer, C., B.Sc.

Jones, M. B., B.Sc.

Philips, P. J., B.Sc.

Brook, N., B.Sc. (Eng.) Lond.

Textile Industries

Speakman, J. B., D.Sc. Manc., F.R.I.C., F.T.I.
Prof. and Hd. of Dept.

Nissan, A. H., D.Sc., Ph.D. Birm., F.R.I.C. (Wool Text. Engin.) Res. Prof.
Whewell, C. S., B.Sc., Ph.D., F.R.I C., F.T.I. (Text. Tech.) Prof
Astbury, W. T., M.A., Sc.D. Camb., D.Sc. Stras., F.I.P., F.R.S. (Textile Phys.) Hon. Reader.

Senior Lecturers

Chamberlain, N. H., B.Sc., Ph.D. (Rayon Technol.)
Townend, P. P., B.Sc., Ph.D., F.T.I. (Yarn Manuf.)
Woods, H. J., M.A. Oxon., F.I.P. (Text. Phys.)
Snowden, D. C., M.Sc., F.T.I. (Weaving Mech.)

Lecturers

Valentine, L., B.Sc., Ph.D. Aberd. (Chem. of High Polymers).
Meggy, A. B., B.Sc. Lond., D.Phil. Oxon. (Phys. Chem.) Res. Lectr.
Peters, L., B.Sc. Lond., M.Sc., Ph.D. (Text. Industries).
Onions, W. J., B.Sc. Wales (Text. Testing).
Hannah, Dorothy M., M.A. Camb., M.Sc. Lond., Ph.D. (Text. Engin.).
Kisby, C. (Text. Design).
Bell, J. W., B.Sc., Ph.D. (Text. Chem.).
Young, D. (Cloth Anal. and Cloth Struct.).
Brook, G., B.Sc. (Text. Industries)
Sikorski, J., Dipl. Ing. Warsaw, M.Sc., Ph.D. (Text. Phys.).
..... (Text. Engin.).
Davies, E. J., B.Sc. Wales, M.Sc. Res. Chem. & Hon. Lectr.
Truter, E. V., B.Sc., Ph.D. Lond. Res. Chem. & Hon. Lectr.
Kidd, F., M.A. Camb. Res. Chem. & Hon. Lectr.
..... Failsworth Res. Fellow.
Hubbard, T. P., B.Sc. (Wool Text. Engin.) Res. Fellow.
Poole, D. I. (Wool Text. Engin.) Res. Fellow.

Intern. Wool Secretariat Fellows

Laxer, G., A.B. N.Y.
Richards, H. R., B.Sc.
Milburn, A. H., B.Sc. Lond.
Boswell, H. R., B.Sc. N.Z.
Wroe, D., Ph.D. Birm., B.Sc.
Cockburn, R., B.Sc.

Research Assistants

Sagar, Constance E., B.Sc.
Cowell, Dorothy, B.Sc.
Jagger, Lilian G., B.Sc. Wales, Ph.D.
Dorkin, Catherine M. C., M.Sc.

Institute of Education

Niblett, W. R., B.A. Brist., B.Litt. Oxon. Dir. and Prof. of Educn.
Evans, A. A., M.A. Brist. Dep. Dir.

Lecturers

Higginson, J. H., M.A., M.Ed.
Smith, Miss M. Metcalfe, M.A. (Primary E.).
Jones, C. M., M.Sc.
McCullagh, Sheila K., M.A.
Stevens, Frances M., B.A. Lond.
Jones, C. M , M.Sc.
Richards, G. O., M.A., Mus.B. Camb., F.R.C.O. Sec.
Steiner, Elise, Dip. Soc. Stud. Lond. Warden of Children's Centre.
Long, N. G., M.A. Oxon. Sr. Res. Fellow.
..... Pt.-time Res. Fellow.
Fifoot, E. R. S., M.C., M.A. Oxon. Librarian.

Adult Education and Extra-Mural Studies

Raybould, S. G., B.Sc. (Econ.), Ph.D. Lond. Prof. and Dir. of E.-M. Studies.

Melling, J., M.A. Oxon.
Lectr. and Asst. Dir. of E.-M. Studies.

Sr. Lectr.: Baker, W. P., M.A. Camb., B.A. Oxon.

Lecturers: Baines, H., B.A.; Pybus, A. E.; Bellamy, C. V., B.Sc.; Duffy, A. E. P., B.Sc. (Econ.) Lond.; Johnson, C., B.A.; Baxandall, H., M.A. Camb.; Shaw, R., B.A. Manc.; Thompson, E. P., B.A. Camb.; Prichard, W. J., M.Com.; Stein, W., B.A. Manc.; Sudale, E. W., M.A. Oxon.; Rex, J. A., B.A. Rand.

Organizing Tutor: Brookman, P. E., B.Com.

Lectrs. in Adult Educn.: Harrison, J. F. C., M.A. Camb.; McLeish, J., B.Sc., Ed.B. Glas.; Jepson, N. A., B.A. Manc.

Lectr. in Depts. of Econ. and Adult Education: Johnson, A., B.Sc. Lond. Lectr. in Depts. of Soc. Studies and Adult Education: Wiseman, H. V., M.A. Oxon., B.Sc. (Econ.) Lond.

Univ. Extension Lectrs.: Saunders, J. W., M.A., B.Litt. Oxon.; de Rusett, A. W., M.A. Camb.; Kelly, A., M.A., LL.B. Glas., M.A.; Hauger, E. G., M.A.

Services Education Work

Lecturers: MacGregor, J., B.A. Liv., M.Ed., Ph.D.; Walsh, H E., M.A., M.Ed.; Balmer, J., B.Sc.; Bishop, T. G , B.A., B.Sc. (Econ.) Lond.; Virgo, S. R., M.B.E.; Dalby, G. R., M.A.; Hunt, K. L., B.Sc. Brist., Ph.D.; Cross, R. V., B.A. Camb.; Crowley, D. W., M.A. N.Z., Ph.D. Lond.

Warden, The Albert Mansbridge College: .....

ADMINISTRATIVE AND OTHER STAFF

UNIV. OFFICE. Sub-Dean, Fac. of Med.: T. A. Divine, M.B., Ch.B. Sec., Dental Sch.: A. Batt. Dep. Bursar: E. Williamson, T.D., B.Sc. (Econ.) Lond. Asst. Registrars: D. A. Anthony, B.A. Wales; R. G. S. Ludlam, B.A. Sheff.; L. R. Kay, B.A. Sheff. Planning Engineer: G. Wilson, M.Sc. Surveyor of the Fabric, A. L. Knighton. Supt. of Catering: Anne F. Brownlie. Photographer: W. Blackledge.

TUTOR OF WOMEN STUDENTS. Joyce Bloxham, M.B.E., B.A.

LIBRARY. Dep. Librarian, D. A. Clarke, M.A. Oxon.

WARDENS OF HALLS OF RESIDENCE. (Men)—D. Hywel Evans, Albert Medal, M.A. Oxon., B.Sc. Wales (Devonshire Hall); R. E. Morgan, B.A. Lond. (Lyddon Hall); G. Wilson, M.Sc. (Woodsley Hall); J. H. Higginson, M.A., M.Ed. (Sadler Hall). (Women)—Lettice M. Pither (Oxley Hall); M. Brenda Carey, LL.B., J.P. (Weetwood Hall); D. Jean Phillips, M.A., B.Sc. Lond. (Lupton Hall); Constance M. U. Luard, B.A. Lond. (Tetley Hall); Verena N. R. McCririck, M.A. Birm. (Ellerslie Hall); Olga Johnson (Croft Hall, for Maternity Clerks).

WARDEN OF OVERSEAS STUDENTS. S. G. Richardson, M.Sc.

WARDEN OF LODGINGS. Carol P. Abell, B.Com.

WARDEN OF WOMEN STUDENTS IN LODGINGS. Mrs. Marjorie Sledge, B.A.

STUDENT HEALTH. Univ. Med. Officer, R. J. Still, M.A., M.B., B.Chir. Camb.

APPOINTMENTS BOARD. Sec., O. H. J. Dick, B.A. Lond.

AFFILIATED COLLEGES

COLLEGE OF THE RESURRECTION, Mirfield, Yorks. (*Telephone*: Mirfield 3362.) Warden—Rev. Father H. Bishop.

DIOCESAN TRAINING COLLEGE, ST. JOHN'S COLLEGE, York. (*Telephone*: York 3596). Principal—Rev. P. J. Lamb, M.A. Oxon.

LEEDS COLLEGE OF TECHNOLOGY, PRINTING DEPARTMENT, Queen Sq., Leeds, 2. (*Telephone*: Leeds 25788.) Principal of the College—C. Chew, M.Sc. Tech. Manc., F.R.I.C.

RAWDON COLLEGE, Rawdon, nr. Leeds. (*Telephone*: Rawdon 59.) Principal—Rev. D. S. Russell, B.D. Glas., B.Litt. Oxon., M.A. Glas. and Oxon.

TECHNICAL COLLEGE, Queen St. S., Huddersfield. (*Telephone*: Huddersfield 5260) Principal—W. E. Scott, M.B.E., M.Sc., Ph.D. Durh., F.R.I.C.

GENERAL INFORMATION

The Leeds School of Medicine, founded in 1831, and the Yorkshire College of Science, founded in 1874, were united in 1884. The Coll. formed part of the Victoria Univ. from 1887 to 1904, when a Univ. was established in the city of Leeds by Royal Charter.

As the Univ. has developed during the past half-century, accomm. has been provided by the construcn. of a number of bldgs. and by the conversion of property, largely situated nr. the Univ., for the use of depts., halls of residence, etc. The Brotherton Library was completed in 1936 and the Parkinson Bldg., which contains the Central Court, a number of depts., lecture theatres and admin. offices, was opened in 1951.

CONSTITUTION. The Court is the governing body of the Univ. and is empowered to regulate and determine all Univ. matters in the ways required by the Charter and Statutes. The Council is the executive body of the Univ. and exercises such powers as are granted to it by the Court and by Statute. Included among the powers of the Council by Statute are the institution, after a report by the Senate, of teaching offices, and the management of the financial affairs of the Univ. Subject to Statutes and Ordinances and to review by the Court, the Senate controls and generally regulates instrucn. and educn. The Chancellor is the Head and Chief Officer of the Univ. and is President of the Court and the Council. In the absence of the Chancellor, the Pro-Chancellor presides at meetings of these two bodies; the Vice-Chancellor is *ex officio* Chairman of the Senate. The Chancellor, Pro-Chancellor and Vice-Chancellor are elected by the Court on the nomination of the Council.

INCOME (year ending July 31, 1953). Total income, £1,186,846 (Parliamentary Grants, 71 per cent.; Local Authorities' Grants, 6 per cent.; Fees, 13 per cent.; Interest on Investments, 2 per cent.; other sources, 8 per cent.).

LIBRARY. Brotherton Library, 375,224 books and pamphlets. Brotherton Collection, 40,507 books and pamphlets, including 251 incunabula, together with 608 MSS., 4106 deeds and 32,269 letters. Medical Library, 29,823 books and pamphlets. Dental Library, 1415 books and pamphlets. Agricultural

Library, 33,178 books and pamphlets. Textile Library, 5512 books and pamphlets. Inst. of Education Library, 8932 books and pamphlets. Other Departl. Libraries, 20,897 books and pamphlets. Other sp. collections: (*a*) 3000 vols. in French on Gt. Britain, printed before 1805; (*b*) 397 vols. on events in France in 1870–71; (*c*) Icelandic and Scandinavian Collection of about 13,000 vols. and pamphlets; (*d*) Mitrecey Collection of 612 vols. on occultism; (*e*) All Souls Collection of 2294 vols. on early sci. and theol.; (*f*) Library of Leeds Philosophical and Literary Soc., presented in 1936; (*g*) Chaston Chapman Chem. Library, about 3000 vols. and many thousands of pamphlets; (*h*) Chaston Chapman Collection of early alchemical and sci. books, 1116 vols.; (*i*) Blanche Leigh Collection of cookery books, largely of 17th and 18th centuries, 1300 vols.; (*j*) Holden Theological Library, belonging to Diocese of Ripon, 9514 books and pamphlets; (*k*) Harold Whitaker Collection of atlases and maps, particularly of English counties, about 450 vols.

MUSEUMS. Agric., Bot., Dyeing, Geol., Mat. Med., Pathol., Soc. Studies (Anthropol.), Textiles, Zool., Forensic Med.

LABORATORIES. Agric. Chem., Anat., Anæsth., Biochem., Biomolecular Structure, Bot., Cancer, Chem. Engin., Chem., Chem. Pathol., Coal Gas and Fuel Technol., Colour Chem. and Dyeing, Dent., Engin. (Electr., Civ., Mech.), Forensic Med., Geol., Leather Industries (including Procter Internat. Res.), Maths., Med., Med. Phys., Metall., Mining, Pathol. and Bacteriol., Pharm. and Pharmacol., Phys., Physiol., Rheum., Surg., Textiles, Zool.

HOSPITALS available for Clinics: Infirmary (590 beds), Women's Hosp. (103 beds), Maternity Hosp. (112 beds), St. James Hosp. (280 beds), Seacroft Hosp. (30 beds).

FACULTIES AND DEANS. *Arts*, Prof. J. A. Davison (Gk.); *Econ. and Commerce*, H. C. Hillman (Econ.); *Law*, G. L. Haggen; *Medicine*, Prof. P. J. Moir (Surg.); *Science*, Prof. T. G. Cowling (Appl. Maths.); *Technology*, W. S. Stuart (Elect. Communications).

OUTLYING DEPTS., ETC. Univ. Experimental Station (pt. of Dept. of Exper. Pathol. and Cancer Res.), Lumby Hall, S. Milford, Leeds; Univ. Farm (pt. of Dept. of Agric.), Headley Hall, nr. Tadcaster.

DEPARTMENT OF ADULT EDUCATION AND EXTRA-MURAL STUDIES. Dir.: Prof. S. G. Raybould, B.Sc., Ph.D. Dept. of Extra-Mural Studies, instituted in 1946; present title adopted 1952. Vacation courses, Extension Lecture courses and Tutorial Classes provided, the latter in co-operation with the W.E.A. and L.E.A.s.

INSTITUTE OF EDUCATION (*see also* p. 176). The Univ. Inst. of Educn., constituted in 1948, exists primarily to further and co-ordinate the training of teachers, and to recommend to the Ministry of Education for qualified teacher status students, both grad. and non-grad., who have satisfactorily completed a course of teacher training. The Inst. provides facilities for the study of and res. in educn. and acts as a centre of discussion and activity for teachers and others concerned with educn. It comprises the following Constituent Member Institutions: The Univ. Dept. of Education; Bingley Training College; Bretton Hall; City of Leeds Training College; Huddersfield Training College; Ilkley College of Housecraft; Leeds College of Art (Teacher Trg. Dept.); North Riding Training College; Margaret McMillan Training College; Ripon Training College; St. John's College, York; Yorkshire Training College of Housecraft; and the following Associated Member Institutions: Dept. of Pædiatrics and Child Health; Dept. of Psychiatry; Dept. of Psychology;

Dept. of Adult Educn. and Extra-Mural Studies ; Dept. of Physical Education ; Carnegie College of Physical Education ; Woolley Hall.

ADMISSION. *See* Appendix I. Non-members of the Univ. may be admitted to read for dipls. or other non-grad. qualificns. or to attend courses of tuition or pursue research not leading to qualificns. of the Univ.

DEGREES. Obtainable after a 3 yrs.' course from matricn.—B.A., B.Mus., B.Sc. (Hons. degree usually 4 yrs.), LL.B., B.Com. (which may be taken with an Appl. Sci. as one of the principal subjects) ; after 5½ to 6 yrs.—M.B., Ch.B., B.Ch.D.

The degrees of B.A. and B.Sc. are conferred with Hons. in General Studies or Special Studies (v. p. 12).

Mining students receive practical instruction in mines under arrangement made with the National Coal Bd., but the courses are not intended to supersede the usual apprenticeship.

Hons. students of Mod. Langs. (esp. French and German) normally spend 3rd term of 2nd yr. at some approved foreign Univ.

Supplementary Textile studies may be combined with a B.Com. course. Any of the Tech. subjects may be taken in a B.Sc. course. The Dept. of Law prepares students for the Bar and Solicitors' examns. as well as for the Univ. degrees.

HIGHER DEGREES. B.D., M.A., LL.M., M.Com., M.Ch.D., 1 yr.; M.Ed., M.Sc., 2 yrs. (for holders of Hons. B.Sc., 1 yr. after the bachelorship). Grads. of approved Univs. may obtain the M.A., Ph.D. or M.Sc. by 2 yrs. of res. Grads of this Univ. may make applicn. for the Litt.D., LL.D. or D.Sc. in the 6th yr. after graduation ; D.D., M.D., 3 yrs. after graduation ; Ch.M., 5 yrs. after graduation (2 yrs.' course).

Grads. of other Univs. who have been admitted to degrees of equal or similar rank in Leeds may, in proceeding to higher degrees, count their standing as grads. from the date of original graduation.

DIPLOMAS. Pub. Admin., 2 winter sessions ; Biblical Studies, Hebrew, Spanish, 2 yrs. pt.-time ; Social Studies, 2 yrs. (1 for grads.) ; Theol., 3 yrs. ; Ceramics, Dyeing, Engin. (Gas, Chem., Mining), Fuel Technol., Leather, Metall., Textile Industries, 3 yrs., reducible under certain conditions to 2 ; Colour Chem., 4 yrs. Diplomas of Institute of Education : Prim. Educn., 2 yrs. pt.-time, 1 yr. full-time ; Sec. Educn., 2 yrs. pt.-time, 1 yr. full-time ; Educn. of Backward Children, 2 yrs. pt.-time, 1 yr. full-time ; Religious Educn., 3 yrs. pt.-time ; Educn. Admin., 3 yrs. pt.-time.

POSTGRADUATE DIPLOMAS. Agric. Bacteriol., Agric. Bot., Agric. Chem., Agric. Econ., Agric. Zool., Agric. (Farm Management), Ceramics, Chem. Engin., Fuel Technol., Gas Engin., Geog., Metall., Mineral Dressing and Coal Preparation, Plant Cytol., Plant Pathol., Textile Industries, 1 yr. (sometimes 2) after graduation ; Pub. Health, 18 mos.' pt.-time study commenced 2 yrs. after graduation ; Psychological Med., 3 yrs. ; Nursing, 4 yrs.' hosp. trg. and 3 terms' lectures ; Dent. Surg., 4 yrs.

CERTIFICATES. Grad. in Educn., 1 yr. ; Nurse Teachers', 1 yr. (for S.R.N.s with 3 yrs.' exp. plus 1 yr. as ward sister) ; in Pub. Health, 2 terms' pt.-time study commenced 2 yrs. after graduation ; in Russian, min. 2 yrs. pt.-time ; in Teaching of Hebrew, 1 yr., for holders of Dipl. in Hebrew or equivalent qualificn.

FEES. Matricn., £2. Registration, £2 (£5 for overseas students). Composition fees for tuition (including Union) : Arts, £36 a session ; Law, £16 : 11s.

Sci., £44 ; Technol. (excluding Agric.), £48 (in addition, sp. materials charge of £10 for overseas students in Textile Industries Dept.) ; Agric., 1st session, £44, 2nd and 3rd sessions (and 4th if required), £48. Course for Grad. Cert. in Educn., £46 p.a. ; Dipl. in Soc. Studies, £31 p.a. Med. : complete course for M.B., hosp. practice and maternity hostel residence, £312 ; Dent. (including hosp. practice and pupilage) : Dipl., £270 ; Degree, £290 ; Res. fee, £16 to £29 a session. Examns. : Arts, Sci., etc., £6 ; B.Ch.D., £16 ; graduation fee, £7 ; Med. (including graduation), £25 ; L.D.S., £16 ; conferment fee, £6.

VACATION COURSES. Courses of an advanced and specialized nature arranged by the Dept. of Adult Educn. and Extra-Mural Studies (details from Dir.). The Inst. of Educn. occasionally arranges courses for teachers (details from Sec.).

POSTGRADUATE AWARDS open to graduates of other Univs. : *see* Appendix II.

ACADEMIC SESSION : Oct. to June or July, comprising 3 terms of 10 weeks each.

RESIDENCE. (For Wardens *see* " Administrative and other Staff," p. 177.) For Women (fees : £104 to £110 per session) : Weetwood Hall, Far Headingley, Leeds, 6 (*Telephone* : 51771), 94 students ; Oxley Hall, Far Headingley, Leeds, 6 (*Telephone* : 51717), 130 students ; Lupton Hall, Wood Lane, Headingley, Leeds, 6 (*Telephone* : 52521), 35 students ; Ellerslie Hall, Cavendish Rd., Leeds, 1 (*Telephone* : 29422), 11 students ; Tetley Hall, Moor Rd., Leeds, 6 (*Telephone* : 52067), 60 students. For Men (fees : £121 per session) : Devonshire Hall, Cumberland Rd., Leeds, 6 (*Telephone* : 52641), 176 students ; Lyddon Hall, Virginia Rd., Leeds, 2 (*Telephone* : 21276), 56 students ; Woodsley Hall, Clarendon Rd., Leeds, 2 (*Telephone* : 23124), 47 students ; Sadler Hall, Church Lane, Adel, Leeds, 6 (*Telephone* : 78074), 33 students. Croft Hall, Hyde Tce., Leeds, 2 (*Telephone* : 23949), (hostel for Maternity Clerks). Sites on the outskirts of the city have been acquired for further halls of residence for men and women.

APPOINTMENTS BOARD. (For Sec. *see* " Administrative and other Staff," p. 178.) The Bd. exists to give advice and information to students and graduates about careers and to help them to obtain posts. Number of students and grads. on the Appts. Register, 1952–53, 566.

OVERSEAS STUDENTS' COMMITTEE. A Warden of Overseas Students (*see* p. 177) was apptd. in 1952 to advise overseas students on their personal and academic problems and to bring them into closer contact with the Univ. and its neighbourhood.

OLD STUDENTS' ASSOCN. Formed in 1923 ; now has branches in various parts of the country. Hon. Secs. : A. Pollard, B.Sc., and Mrs. B. M. Goddard.

DEPARTMENT OF STUDENT HEALTH. Instituted 1949. Provides an advisory and preventive med. service for students, including annual med. examns. and X-ray examns. A sick-bay is provided, under the care of a resident Nursing Sister.

UNIVERSITY TRAINING CORPS (T.A.)., AIR TRAINING SQUADRON AND WOMEN'S ROYAL ARMY CORPS (T.A. sub-unit). Information as to conditions of membership, etc., of these units may be obtained from the Commanding Officers, while advice about service in the Royal Navy may be obtained from the Naval Liaison Officer, Lt.-Commander C. W. Buckley.

UNIVERSITY UNION. All students of the Univ. are members of the Univ. Union. The official journal of the Union is *The Gryphon*, and a *Union News*

newspaper keeps students informed of Union activities and gives them an opportunity of expressing their opinions. A Handbook and Diary is published annually. Facilities for the full range of outdoor and indoor games are available, including rugger, soccer, tennis, cricket, hockey, lacrosse, athletics, net-ball, rifle-shooting, gymnastics, basket-ball, badminton, table tennis, swimming and fives.

PUBLICATIONS. *Calendar* (Oct.) (15s.) ; *Gazette*, per issue, 6d. (post free) ; Faculty and departmental *Prospectuses* ; Publicns. by members of Univ. (list of) ; *Courses and Careers in Technology* ; *Courses in Pure Science* (advisory pamphlets) ; *Publications and Titles of Theses ; University of Leeds Review*, 4s. p.a. or 2s. 6d. per issue ; *The Private Donor in the History of the University of Leeds* (5s. post free) ; *The University of Leeds : the First Half-Century* ; *University of Leeds Medical Journal*, 3 issues p.a. 15s ; *Researches and Studies* (Inst. of Educn.), 2 issues p.a., 3s. 9d. ; *Journal of the Leeds University Mining Society*, annually, 3s. (post free). Students' publicns. : *The University Union Handbook* ; *The Gryphon* (magazine), 3 issues p.a. 3s. ; *Union News* (fortnightly newspaper).

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. W. H. Dean, 5th annual donation of £2000 for Dept. of Econ. ; Cement & Concrete Assocn., £2500 for Dept. of Civil Engin. ; E. C. Gregory, £1700 (4th instalment) for Art Fellowships. During yr. total of £68,000 recd. from public bodies and private donors, mainly in the form of grants earmarked for particular depts., and £15,000 for Scholps., Fellowships and Prizes.

NEW BUILDINGS. Main structure of new Refectory and Staff House bldg. completed to roof level ; foundations completed of Rayon and Synthetic Fibres building ; 2nd stage mezzanine floor of Brotherton Library finished ; houses adapted as annexes to Tetley Hall, where a new kitchen and dining-room to seat 100 being planned, and to Oxley Hall, where addl. accomm. for 23 women students provided ; cowhouse and dairy at Experimental Farm now in use and shell of farm office and lab. built ; addl. accomm. provided by conversion of houses for Inst. of Educn., Warden of Overseas Students, and Depts. of Econ. and Comm., Psychiatry and Psychol. ; two Economic Boilers installed in Boiler House No. 2 to provide heat and steam for new bldgs. programme ; machine room and testing lab. made for Dept. of Leather Industries ; Soil Mechanics Lab. extended for Dept. of Civil Engin. ; hut for res. in cosmic rays erected on roof of Physics bldg. ; analytical lab. and thermostatically controlled greenhouse begun for Dept. of Agric. ; X-ray room provided for Dept. of Biomolecular Structure.

NEW POSTS. Chair of Romance Linguistics and Philol. in Dept. of French Lang. and Lit. ; Cowdray Chair of Spanish Lang. and Lit. (in place of Sr. Lectureship) ; Chair of Plant Biophys. in Dept. of Bot. ; Res. Chair of Wool Textile Engin. in Dept. of Textile Industries ; Chair of Adult Educn. (held by Dir. of Extra-Mural Studies) ; Res. Fellowship in genito-urinary pathol. in Dept. of Pathol. ; Asst. Lectureship in Dept. of Engl. Lang. and Medieval Engl. Lit. ; Lectureship (in place of Chair) and Asst. Lectureship in Dept. of Geog. ; Lectureship in Indust. Management in Dept. of Econ. and Comm. ; Asst. Lectureship in radio-chem. in Dept. of Phys. Chem. ; Res. Asstship. in Dept. of Mining ; Physicist for radio-isotope work in Dept. of Med. Phys. Wardenship of Children's Centre in Inst. of Educn.

PRINCIPAL CHANGES IN ORDINANCES AND REGULATIONS. Discontinuation after 1954–55 of courses in European civilization ; institution of experimental course on sources of Jewish doctrine for Law Fac. students in Dept. of Semitic Lang. and Lit. ; new requirements in Geog. and Hist. for degree of B.A. in gen. and sp. studies ; amendment of ordinances and regns. for B.Mus. and of regns. for sp. studies courses in Russian Lang. and Lit. ; new course leading to newly instituted non-grad. dipl. in Theol. ; alteration to regns. for grad. cert. in educn. ; amendment of ordinance effecting sub-div. of 2nd Cl. Hons. of B.Sc. ; new gen. course in Bot. and Zool. for degree of B.Sc. in gen. studies ; changes in, and additions to, courses in Engin. ; new regns. for Dipl. of Nursing ; amendments of ordinance governing 1st degree in Med. and Surg. degrees, in Dent., and M.D. and Ch.M. ; amendment of regns. for Dipl. in Dent. Surg.; regns. approved for Dipl. in Educn. of Backward Children (Inst. of Educn.).

EXTRA-MURAL WORK. During the session 65 Tutorial Classes, 7 Preparatory Tutorial Classes and several shorter courses undertaken ; 2 wks.' Summer Sch. at Hillcroft Coll., Surbiton, Surrey, held in co-operation with W.E.A. ; Extension Lectures Cttee. organized 14 3-yr. courses (11 of which lead to Univ. Extension Cert.), two 2-yr. courses, 16 1-yr. courses, 21 shorter courses, 15 single lectures, 3 lectures to sr. pupils in schools, 2 vac. courses, 2 week-end schools and one one-day school. Civilian aid to Services' Educn. contd.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. L. Baldwin, Pittsburgh ; Dr. L. Bendel, Lausanne ; Prof. P. A. Giguère, Laval ; Prof. A. Grond, Delft ; Prof. A. Kuntzel, Gerbereichemie Institut, Darmstadt ; Prof. E. R. Dodds, Oxon. ; Prof. R. G. Austin, Cardiff ; Prof. N. Bentwich ; Prof. Mirsky, Yeshiva Univ., New York ; D. B. Harden, Ashmolean Museum, Oxon. ; Prof. F. Meineck, Frankfort ; Prof. H. Flasdieck, Heidel. ; Prof. P. Harting, Amst. ; Prof. E. Deith, Zur. ; Prof. H. Kökeritz, Yale ; Prof. T. Jones, Aberystwyth ; Prof. G. L. Brook, Manc. ; Prof. S. Castaner, Valencia ; Prof. J. L. Burchnall, Durh. ; Prof. D. E. Littlewood, Bangor ; Prof. M. J. Lighthill, Manc. ; Emer. Prof. J. H. Hildebrand, Calif. ; Prof. O. Bottema, Delft ; Dr. J. A. Goedkoop, Amst. ; W. G. Sutton, Rand ; Prof. H. C. Rümke, Utrecht ; Dr. L. D. Beckett, Syd. ; Dr. R. L. Taylor, W. Aust. ; Dr. J. Ryan, Rand ; Prof. D. Ofstad and Prof. Selmer-Olsen, Oslo.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. Davison, Univs. in Germany ; Rev. Dr. Bowman, Glas. ; Prof. Cowling, Liège ; Prof. Dainton, Notre-Dame, Indiana and Prin. ; Prof. Orton, Leiden, Gron. and Amst. ; Prof. Whetton, Delft ; H. G. Smith, Delft ; Prof. Happold, Tübingen, Gött., Frankfort and Freiburg.

RETIREMENTS. Prof. F. Challenger (Org. Chem.); Prof. G. Chapman (Chair of Mod. Hist., Hd. of Dept. of History) ; Prof. N. M. Comber (Agric. Chem., Hd. of Dept. of Agric.) ; Prof. R. D. Passey (Exptl. Path. & Canc. Res.).

RESIGNATIONS. Dr. G. H. Chamberlain (Inorg. & Phys. Chem.) ; J. H. Kirkup (Engl. Lit.) ; Dr. G. W. Brindley (Phys.), apptd. Res. Prof. of Mineral Scis. at Penn. State Coll.; Dr. B. D. Wyke (Physiol.), apptd. Sr. Lectr. in Dept. of Physiol., Royal Coll. of Surgeons ; Dr. G. A. Jeffrey (Inorg. & Phys. Chem.), apptd. Prof. of Chem., Pitt. U. ; Dr. R. Brown (Bot.) ; E. E. Caton (Mech. Engin.) ; Dr. J. S. Forsyth (Coal Gas & Fuel Industries) ; Dr. J. P. Danby (Leather Industries), apptd. Principal of Natnl. Leathersellers' Coll. ; W. J. Thomas (Agric.), apptd. Reader in Agric. Econ., Manc. U. ; Dr. B. S. Rose (Pædiat. and Child Health), apptd. Physician to Q. Elizabeth Hosp., Rotorua, N.Z. ; Dr. A. B. Eastwood (Anæsthet.), apptd. Consultant Anæsthetist to

Bradford Gp. of Hosps.; Rev. J. W. Packer (Inst. of Educn.), apptd. Head Master of Canon Slade Grammar Sch., Bolton; J. Huddleston (Adult Educn. & Extra-Mural Studies), apptd. Warden of Lambton Castle Residential Coll. for Adult Educn., Durh.; K. W. Humphreys (Dep. Librarian), apptd. Librarian at Birm. U.; Lady Ogilvie (Tutor of Women Students), apptd. Principal of St. Anne's Coll., Oxon.

DEATHS. Dr. B. M. Jones (Vice-Chancellor 1938–48, Hon. grad.); P. A. Barran (member of Pædiat. and Child Health Advis. Cttee.); W. R. Childe (Sr. Lectr., Dept. of Engl. Lit.); Sir Robert Waley Cohen (member of Ct.); W. E. French (Sr. Lectr., Dept. of Elec. Engin. until 1947); Sir Richard Gregory (Hon. grad.); D. M. Henshaw (member of Coal Gas and Fuel Ind. Advis. Cttee., 1931–51); B. L. Jeaffreson (Sr. Clin. Lectr., Dept. of Obstet. and Gynæcol.); Rev. Principal L. H. Marshall (Assoc. Lectr. in N.T. Lang. and Lit.); Mrs. Kate Milne (life member of Ct.); Sir Charles Peers (Hon. grad.); Prof. R. H. Saltau (Lectr. in French until 1926); Emer. Prof. A. H. Thompson (Hon. grad., Prof. of Med. Hist. until 1939); Dr. H. Whitaker (Hon. grad.); J. J. Wood (member of Advis. Cttee. on Working Men's Inst.).

HONORARY DEGREES. *LL.D.*—E. C. Gregory, Publisher and founder of Gregory Fellowships in the Univ.; Rt. Hon. Lord Milner, grad. of Univ. and public figure. *Litt.D.*—G. B. Beach, Dir. of American Philol. Assoc. and business man; Prof. P. J. Enk, Prof. of Latin in Gron. U.; the Rt. Hon. Visc. Samuel, Leader of Liberal Party in House of Lords and philosopher; Miss Margot Fonteyn, Prima Ballerina. *D.Sc.*—Prof. J. F. Baker, Prof. of Mech. Scis. and Hd. of Dept. of Engin. at Camb. U.; M. E. Freyssinet, pioneer and master of prestressed concrete construcn. in engin.; Prof. C. K. Ingold, Pres. of the Chem. Soc., former Prof. of Organ. Chem. in the Univ. and former Prof. of Chem., Univ. Coll., Lond.; Prof. C. Huggins, Prof. of Surg., Chic. U.; R. O. Ward, genito-urinary surgeon. *M.A.*—C. Meggitt, Registrar, Hull U.C.; A. C. Prior, Pres. of N.U.T., 1951. *M.Sc.*—W. H. Rose, res. technologist in concrete technol.; J. Wilkinson, metallurgist.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	2421	310
Women	763	85
Total	3184	395

Postgraduate students, 580.

New admissions, 1172.

Students from other countries, 306. (Countries from which largest numbers came: India, 46; Greece, 33; Egypt, 18; Norway, 16.)

DEGREES AWARDED. *Arts* (including Theol.); B.A., 207; B.D., 1; B.Mus., 1; Ph.D., 5; M.A., 21; M.Ed., 6; *Econ. and Comm.*: B.A., 14; Ph.D., 2; B.Com., 4; M.Com., 1; *Law*: LL.B., 19; LL.M., 1; *Med.* (including Dent., Pharm. and Bio-Chem.): M.B., Ch.B., 62; M.D., 6; Ph.D., 7; B.Ch.D., 18; Ch.M., 2; *Sci.*: B.Sc., 100; Ph.D., 34; M.Sc., 6; D.Sc., 3; *Technol.*: Agric., B.Sc., 36; M.Sc., 1; Coal Gas and Fuel Industries with Metall., B.Sc., 9; Ph.D., 8; M.Sc., 3; Gas. Engin., B.Sc., 5; Chem. Engin., B.Sc., 6; Colour Chem. and Dyeing, B.Sc., 12; Ph.D., 3; Engin., B.Sc., 41;

Ph.D., 8 ; Leather, B.Sc., 3 ; Ph.D., 2 ; M.Sc., 1 ; Mining, B.Sc., 18 ; Ph.D., 3 ; Textiles, B.Sc., 12 ; Ph.D., 12 ; M.Sc., 4.

DIPLOMAS AND CERTIFICATES AWARDED. Dipl. in Educn., 9 ; Grad. Cert. in Educn., 140 ; Educnl. Admin., 1 ; Pub. Admin., 22 ; Soc. Studies, 24 ; Cert. in Russian, 1 ; Textile Industries, 30 ; Dyeing, 7 ; Leather Industries, 2 ; Agric. (Postgrad.) Farm Management, 5 ; Agric. Chem. (Postgrad.), 1 ; Mining, 2 ; Dent. Surg. (L.D.S.), 20 ; Psychol. Med., 3 ; Pub. Health, 6.

[*Information compiled as at* 15/6/54;
Staff list revised on 11/9/54.]

UNIVERSITY OF LIVERPOOL*

Founded 1903

Postal Address: Brownlow Hill, Liverpool 3, England.
Telephone: Royal 6022.

VISITOR—H.M. THE QUEEN.

CHANCELLOR—THE MARQUESS OF SALISBURY, K.G., Hon. LL.D. Manc., Camb. and Liv.

PRO-CHANCELLORS—V. E. COTTON, C.B.E., T.D., M.A. Camb., Hon. LL.D.; Sir JOHN R. HOBHOUSE, M.C.

VICE-CHANCELLOR—Sir James F. MOUNTFORD, M.A. Oxon. and Birm., D.Litt. Birm., Hon. LL.D. Wales, Birm. and Manc., Hon. Litt.D. Dub., Hon. D.C.L. Oxon.

PRO-VICE-CHANCELLOR—Professor A. W. DOWNIE, M.D., D.Sc.

TREASURER—BERTRAM NELSON.

CHAIRMAN OF CONVOCATION—A. W. BEESTON, M.Sc., Ph.D., F.R.I.C.

REGISTRAR—STANLEY DUMBELL, O.B.E., M.A.

FINANCE OFFICER—R. LEWIN.

ASSISTANT REGISTRARS—H. H. BURCHNALL, M.A. Oxon. (*Esquire Bedell*); S. R. WHIPPLE, D.F.C., B.A. Oxon. (*Appointments Officer*); J. F. CORY DIXON, T.D., F.A.I. (*Estate Officer*).

LIBRARIAN—K. POVEY, M.A. Camb.

TEACHING STAFF

Anatomy

Harrison, R. G., M.A., D.M. Oxon. Derby Prof.

Lecturers

Braithwaite, J. L., M.D. Manc.
Harrison, G. A., B.A. Camb. and Oxon., B.Sc. Lond. (Physical Anthrop.).
Macmillan, E. W., M.B.E., M.D. Edin.

Part-time Lecturers

Hughes, J. H., M.D., Ch.M., F.R.C.S. (App. Surg. A.).
Baker-Bates, E. T., M.D., F.R.C.P. (App. Med. A.).
Whitaker, P. H., M.D., D.M.R.E. (App. Radiol. A.).

Assistant Lecturers

Clegg, E. J., M.B., Ch.B. Sheff. (A. for Dental Students).
Bowsher, D. R., M.A., M.B., B.Chir. Camb. (Postgrad. A.) (on leave).

Demonstrator

Grant, J. H., M.B., B.S. Durh.

* Member of the Association of Universities of the British Commonwealth.

Archæology, v. also History, Anc.

Fairman, H. W. (Egyptology) Brunner Prof.

Powell, T. G. E., M.A. Camb., F.S.A. (Prehistoric A. of W. Europe) Rankin Lectr.

Architecture, v. also Civ. Design, Engin.

Gardner-Medwin, R. J., B.Arch., Dipl.C. Design, F.R.I.B.A. Roscoe Prof.

Scott, Sir Giles G., O.M., LL.D., D.C.L., P.P.R.I.B.A. (Eccl. A.) Reader.

Sr. Lectrs. and Studio Instrs.

Wilkinson, S., B.Arch.

Thomas, D. P., B.Arch., Dipl.C. Design.

Lecturers and Studio Instrs.

Young, R. R. R., B.Arch. (Pt.-time).

Phillips, W. J., Dipl.Arch. Cardiff, Dipl.C. Design.

Morgan, B. G., B.Arch., Dipl.C. Design.

Beech, G. R., B.Arch., Dipl.C. Design.

Thompson, J. S., T.D., B.Arch.

Wiesner, A. E., M.Arch.

Pietka, L. J., Ing.Arch., Dipl.C. Design.

Higginson, F. St. G., D.A. Edin.

Stewart, D. M., D.A. Edin.

Topley, W. E., Dipl.Arch.

Mellor, T., B.Arch. (Pt.-time).

Smith, G. H. T., M.A., F.R.B.S. Hon. Instr. in Craftsmanship.

Bacteriology, v. Med.

Biochemistry

Morton, R. A., Ph.D., D.Sc., F.R.S., F.R.I.C. Johnston Prof.

Goodwin, T. W., D.Sc., F.R.I.C. Sr. Lectr.

Lecturers

Glover, J., M.Sc. Belf., Ph.D.

King, H. K., M.A., Ph.D. Camb., F.R.I.C.

Pitt, G. A. J., B.Sc.

Botany

Burges, N. A., M.Sc. Syd., Ph.D. Camb. Holbrook Gaskell Prof.

Lecturers

Coult, D. A., M.Sc. Lond.

Burrows, Elsie M., B.Sc., Ph.D. Lond., F.L.S.

Walker, S., B.Sc., Ph.D. Leeds.

Burnett, J. H., M.A., D.Phil. Oxon.

Celtic

Richards, G. M., M.A. Wales (Welsh, also Hon. Lectr. in Comp. Philol.) Hd. of Dept., Sr. Lectr.

Chemistry, v. also Biochem.

Robertson, A., M.A. Aberd., B.Sc., Ph.D. Glas., F.R.S. (Org.) Heath Harrison Prof.

Bawn, C. E. H., B.Sc., Ph.D. Brist., F.R.S. (Inorg. and Phys.) Grant Brunner Prof.

Readers

Griffith, R. O., D.Sc. (Phys.) Dean, Fac. of Sci.

Hickling, A., D.Sc., Ph.D. Sheff., F.R.I.C. (Phys.).

McGookin, A., D.Sc., Ph.D. (Org.) Sr. Lectr.

Whalley, W. B., D.Sc., Ph.D., F.R.I.C. (Org.) Sr. Lectr.

Lecturers

Beer, R. J. S., M.A., D.Phil. Oxon. (Org.).

Doran, W., M.Sc. (Org.).

Occleshaw, V. J., M.Sc., Ph.D., F.R.I.C. (Inorg. and Phys.).

McDowell, C. A., M.Sc. (Inorg. and Phys.).

Douglas, H. W., M.Sc., Ph.D. (Inorg. and Phys.).

Holliday, A. K., B.Sc., Ph.D. Leeds (Inorg. and Phys.).
Spice, J. E., B.Sc., M.A., D.Phil. Oxon. (Inorg. and Phys.).
Grimley, T. B., B.Sc., Ph.D. Brist. (Inorg. and Phys.).
Tipper, C. F. H., B.Sc., Ph.D. Brist. (Inorg. and Phys.).
Dean, F. M., B.Sc., Ph.D. (Org.).
Skirrow, G., B.Sc., Ph.D. Lond. (Inorg. and Phys.).
Holker, J. S. E., M.Sc. (Org.).
Shaw, A., M.Sc. Manc., Ph.D. (Inorg. and Phys.).

Civic Design

Wright, H. M., M.A. Camb., F.R.I.B.A. Lever Prof.
McCaughan, R. E. M., M.A., B.Arch. Sr. Lectr.
Reynolds, Josephine P., M.A., B.Arch. Lectr.

Part-time Special Lecturers

Taylor, A. J. E., LL.M. (Law in relation to Planning & Housing).
Reed, C. D., M.Eng. (Principles of Civic Engin.).
Edwards, P. F. (Landscape Des.).

Classics : Greek

Armstrong, A. H., M.A. Camb. Gladstone Prof.
Pinsent, J., M.A. Oxon. Lectr.
Scott, W. M. F., M.A. Oxon. (Hellenistic Gk.) Hon. Lectr.

Classics : Latin

Austin, R. G., M.A. Oxon. Prof.
Bonner, S. F., M.A. Camb. Sr. Lectr.
Townend, G. B., M.A. Oxon. Lectr.
Barr, W., B.A., Ph.D. Asst. Lectr.

Commerce

Parkinson, B. B., M.Sc. (Econ.), B.Com. Lond. Sr. Lectr.

Dentistry, v. *infra*

Economic Science

Hyde, F. E., M.A., Ph.D. Lond., F.R.Hist.S. Chaddock Prof.
Shackle, G. L. S., B.A., Ph.D. Lond., D.Phil. Oxon. Brunner Prof.

Lecturers

Robertson, W., M.A. St. And.
Clayton, G., M.A. Camb.
Please, S., M.Sc. (Econ.) Lond.
Marriner, Sheila, M.A.
Parker, H. R., B.A.
Osborn, W. T., M.A. Camb., B.Sc. (Econ.) Lond. (Ec. Stat.).
Saul, S. B., B.Com., Ph.D. Birm. (Ec. Hist.).
Cunningham, N. J., B.A. Asst. Lectr.
Harris, J. R., M.A., Ph.D. Manc. Tutor.

Education

Porteous, A. J. D., M.A. Edin. and Oxon. Sydney Jones Prof.
Tempest, N. R., Ed.M. Harv., M.A. William Roscoe Prof., Dir., Inst. of Educn.
Land, F. W., M.Sc., Ph.D. Lond. Sr. Lectr.

Lecturers

Spence, Margaret E., M.A. (Ed.) Brist.
Wallace, J. E., D.Mus. Durh., F.R.C.O. (Music).
Tozer, A. H. D., M.A. Camb.
Murphy, J., M.A.
Griffiths, J., M.A., F.R.Hist.S.
Moore-Rinvolucri, Mrs. Mina J., O.A., D. de l'U. Stras., M.A.
Larwood, H. J. C., M.Sc., M.Ed. Durh., F.R.A.S.

Part-time Special Lecturers

Doran, W., M.Sc.
Edwards, E., M.A. Tor., B.Sc. Wales.
Wilkinson, H. R., M.A.
Illingworth, Sarah, B.Sc. Tutor and Demr.

Ellis, C. E., M.A. Lond. (Mod. Langs.) Tutor.
Brunton, C. E., M.A., M.D., Sc.D. Dub. (Sch. Hygiene) Hon. Lectr.

Part-time Teachers

Lewis, Marjorie (Drawing).
Cameron, Elizabeth L. (Writing).
Wigforth, Bertha (Weaving).
Ainsworth, H. (Woodwork).
Raffle, J. W., B.A. (Blackboard Work).

Egyptian and Coptic

Fairman, H. W., M.A. (Egyptol.) Brunner Prof.
Drescher, J. A. B., M.A. Manc. (Coptic) Tutor.

Engineering, v. *infra*

English Language and Philology

Potter, S., M.A. Lond., B.Litt. Oxon., Ph.D. Prague Baines Prof.
Colledge, E., M.A. Sr. Lectr.
Bazire, Joyce, M.A. Leeds Lectr.

English Literature

Muir, K., M.A. Oxon. King Alfred Prof.
McIlwraith, A. K., M.A., D.Phil. Oxon. A. C. Bradley Sr. Lectr.
Davenport, A., M.A. Sr. Lectr.

Lecturers

Allott, K. C. B., M.A. Durh., B.Litt. Oxon.
Davies, R. T., M.A. Oxon.
Allott, Mrs. Miriam, M.A., Ph.D.
Grundy, Joan, M.A Lond.

Esperanto

Wiener, F. I., M.A. Manc., Dr. Phil. Bres. Buchanan Lectr.

French

Fletcher, F. T. H., M.A., D.Litt. Birm., D. de l'U. Nancy, O.A. J. Barrow Prof.
Linskill, J., D. de l'U. Stras., M.A. Lecturers Sr. Lectr.
Knowles, Dorothy, M.A. Leeds, D. ès L. Paris, O.A.
Cullerne, A. C., M.A.
Rees, G. O., M.A. Wales.
Zaina, Lucrezia A., M.A.
Chadwick, C., M.A., D. de l'U. Paris.
3 French Tutors.

Geography

Smith, W., M.A. Rankin Prof., Dean, Fac. of Arts.

Lecturers

Wilkinson, H. R., M.A.
Lawton, R., M A.
Learmonth, A. T. A., M A., Ph.D. Edin.
Gregory, S., M.A., F.R.Met.S.
Simpson, E. S., B A.
Brooks, E., B A. Camb. Asst. Lectr.
Patmore, J. A., B.A. Oxon. Tutor.
Gresswell, R. K., M.A., F.R.S.A., F.G.S. Pt.-time Sp. Lectr.

Geology

Shackleton, R. M., B.Sc., Ph.D. Herdman Prof.

Lecturers

Harper, J. C., M.Sc. Lond., Ph.D., F.G.S.
Wilson, C. D. V., M.A., Ph.D. Camb.
Bathurst, R. G. C., M.Sc. Lond., F.G.S.
Flinn, D., B.Sc., Ph.D. Lond., F.G.S.

German

Williams, W. D., M.A., D.Phil. Oxon. Prof.

Lecturers

Wirtz, Erika, A., M.A.
Wiener, F. I., M.A. Manc., Dr.Phil. Bres.
Barker, D., M.A.
Fox, W. H., B.A. Asst. Lectr.

Hebrew and Ancient Semitic Languages

Martin, W. J., M.A. Dub., B.D. Princeton Theol. Sem., Ph.D. Leipzig Rankin Lectr.

Hispanic Studies: Portuguese and Catalan

Lamb, N. J., M.A. (Portuguese) Lectr.

Hispanic Studies: Spanish

Sloman, A. E., M.A. Oxon. and Dub., D.Phil. Oxon. Gilmour Prof.

Lecturers

Lara, Maria V. de, Lic. en F. y L. Madrid

Hall, H. B., M.A.

History, Ancient, and Archæol., Classical

Walbank, F. W., M.A. Camb., F.B.A. Rathbone Prof.

Eames, J. V. H., M A. Oxon. C. W. Jones Lectr.

Marsden, E. W., B.A. Camb. Asst. Lectr.

History, Mediæval

Barraclough, G., M.A. Oxon., D.Phil. Camb. Prof.

Myers, A. R., M.A. Manc., F.R.Hist.S., F.S.A. Lectr.

Liebeschütz, H., M.A. Lond., Ph.D. Heidel. Lectr.

Oschinsky, Dorothea, Ph.D. Lond., Dr. Phil. Bres. (Palæog.) Lectr.

Sharf, A., B.A. Lond. Asst. Lectr.

Taylor, H. A., M.A. Oxon. Pt.-time Tutor.

Part-time Special Lecturers

France, R. S., M.A., F.R.Hist.S., F.S.A. (Theory and Practice of Archive Admin.).

Vaines, J. C., LL.M.

History, Modern

Thomson, M. A., M.A., D.Phil. Oxon. A. Geddes & J. Rankin Prof.

Lecturers

Collins, Mrs. Irene, M.A., B.Litt. Oxon.

Rowe, W. J., M.A., D.Phil. Oxon.

Ryan, A. N., M.A.

Lynch, J., M.A. Edin. Asst. Lectr.

Italian

Lecturers

Faithfull, R. G., B.A. Lond., Ph.D.

Dawson, E., B.A.

Calma, Anna, Litt.D. Turin Pt.-time Tutor.

Law, v. also Civ. Design and Engin.

Davies, D. R. S., M.A. Camb., LL.B. Wales (Common L.) Prof.

Geddes, W., M.A., LL.M. (Constnl. and Roman L., Priv. Int. L. and Jurisp.) Warr Mem. Lectr.

Lecturers

Farran, C. d'O., M.A. B.C.L., Oxon., LL.B. Dub., Ph.D. Sheff. Lectr.

Vaines, J. C., LL.M.

Newton, J. D., LL B. Lond.

McNeill, D. B., B.C.L., M.A. Oxon. Pt.-time Asst. Lectr.

Part-time Special Lecturers

Taylor, A. J. E., LL.M. (Local Govt. L.)

Ashton, E. L., B.A.

Unsworth, M.A., LL.B. (Articled Clerks' Classes).

Routledge, K. G., LL.B. Pt.-time Tutor.

Marine Biology, etc., v. p. 198

Mathematics, Applied

Rosenhead, L., C.B.E., D.Sc. Leeds, Ph D. Leeds and Camb., F.R.S. Prof.

Fletcher, A., M.A., Ph.D. Camb., F.R.A.S. Sr. Lectr.

Lecturers

Daymond, S. D., M.A. Oxon., B.Sc. Lond. and Wales, Ph.D.
Jones, C. W., Ph.D. Camb., M.Sc.
Plackett, R. L., M.A. Camb. (Statistics).
Young, A., B.Sc. St. And., F.R.A.S.
Sowerby, L., B.A. Camb.
Bonnor, W. B., B.Sc., Ph.D.
Jackson, T. A. S., M.A., Ph.D. Camb.
Jacobs, Juliane, B.Sc., Ph.D.
Quayle, W. C., B.Sc., M.A.
Watson, E. J., M.A. Camb.
Downton, H. F., B.Sc. Lond. (Math. Stats.).
Baldock, G. R., B.Sc. Lond.
Doodson, A. T., D.Sc., F.R.S. (Analysis of Observations) Hon. Lectr.

Research Assistants

Kirk, A., B.Eng. (Numer. Anal.).
Small, V. J., B.Sc. Sheff. (Math. Stats.).

Mathematics, Pure

Walker, A. G., M.A. Oxon., Ph.D., D.Sc. Edin. Prof.
Maitland, Barbara J., M.A., Ph.D. Camb. Lectr.
Flett, T. M., M.Sc. Lond., Ph.D. Camb. Lectr.
Newns, W. F., B.Sc., Ph.D. Lectr.
Willmore, T. J., M.Sc., Ph.D. Lond., F.R.A.S. Lectr.

Medicine, v. *infra*

Music

Abraham, G. E. H., M.A., F.T.C.L. James and Constance Alsop Prof.

Oceanography

Bowden, K. F., M.Sc. Lond., F.I.P. Prof.
Riley, J. P., Ph.D., B.Sc. Lectr.
Fairbairn, L. A., B.Sc. Lectr.

Parasitology, v. Trop. Entomology

Philology, Comparative, v. German

Philosophy

O'Connor, D. J., M.A., Ph.D. Lond. Prof.
Clark, Pamela M., M.A. Oxon. Lectr.

Physics

Skinner, H. W. B., M.A., Ph.D., F.R.S. Lyon Jones Prof.
Frohlich, H., Dr.Phil. Munich, F.R.S. (Theor. Phys.) Prof.
Roberts, R. W., D.Sc. Reader.
Le Couteur, K. J., M.A., Ph.D. Camb. (Theor. Phys.) Sr. Lectr.
Holt, J. R., B.Sc., Ph.D. Sr. Lectr.

Lecturers

Ablett, R., M.Sc., F.I.P.
Ashmore, A., B.Sc. Lond.
Cassels, J. M., M.A., Ph.D. Camb.
Edwards, E., M.A. Tor., B.Sc. Wales
Green, L. L., M.A., Ph.D. Camb.
Evans, W. H., B.Sc., Ph.D. Wales.
Jacob, L., M.Sc., Ph.D., H.Dip.Ed. N.U.I., F.I.P.
Martin, D. G. E., B.Sc.
Parry, G., B.Sc. Lond., Ph.D.
Moore, M. J.
Parbrook, H. D., B.Sc., Ph.D. Durh. (Acoustics).
Huby, R., M.A. Camb., Ph.D. Brist. (Theor. Phys.).
Merrison, A. W., B.Sc. Lond.
Szigeti, B., Ph.D. Zür. (Theor. Phys.).
Willmott, J. C., Ph.D., B.Sc. Lond.
Collinge, B., B.Sc., Ph.D.
Crewe, A. V., B.Sc., Ph.D.
Chalmers, T. A., B.Sc., Ph.D. Lond. (Med. Radiol.) Pt.-time Sp. Lectr.
Alston, Margaret H., B.Sc. Demr.

Physiology and Histology

Gregory, R. A., D.Sc., Ph.D. George Holt Prof.

Hancox, N. M., M.D. (Histol.) Reader.
Brunton, C. E., M.A., Sc.D., M.D. Dub. (Physiol.) Sr. Lectr.
Calma, I., M.D. Milan (Exp. Phys.) Sr. Lectr.

Lecturers

Richards, T. G., M.D. (Physiol.).
Coope, R., B.Sc., M.D., F.R.C.P. (App. Physiol.).
Calma, I., M.D. Milan (Physiol.).
Kruszynski, J., M.D. Wilno (Histol.).
Wadsworth, G. R., M.D.

Assistant Lecturers

Howell, F. R., M B., Ch.B.
Kidd, G. L., B.Sc.

Psychology

Hearnshaw, L. S., M.A. Oxon., B.A. Lond. Prof.

Lecturers

Crawford, Agnes, B.A., Ph.D. Lond.
Vidor, Martha, Ph.D. (Child Psychol.).
Leveson, I., M.D., D.P.M. (Abnormal Psychol.).
Bromley, D. B., B.A. Manc.
Leytham, G. W. H., M.A. Calif.
Straker, D., M.A. Camb.
Baker, H. C., B.Sc. Lond. Demr.

Russian

Christian, R. F., M.A. Oxon. Lectr. in charge.
Zekulin, G. Pt.-time Tutor.

Social Science

Simey, T. S., M.A. Oxon. Charles Booth Prof.
Chapman, D., B.Sc. (Econ.) Lond., Ph.D. Sr. Lectr.
Kerr, Madeline, M.A. Manc., Ph.D. Lond. Sr. Lectr.
Castle, Irene M., M.A. (Care of Children and Young Persons).
Silcock, H., M.A., D.P.A. (Soc. Statistics).
Hall, Mary P., B.A.
Wilson, N., M.A., D.P.A. (Pub. Admin.) Leverhulme Lectr.
Verney, D. V., M.A. Oxon., Ph.D.
Deed, Dorothy M., M.A. (Soc. Admin.)

Pt -time Sp. Lectrs. (Pub. Adm.)

Clayton, G., M.A. Camb.
Please, S., M.Sc. (Econ.) Lond.
Robertson, W., M.A. St. And.
Read, Doris B. Tutor.

Pt.-time Tutors (Pub. Admin.)

Osborn, W. T., M.A. Camb., B.Sc. (Econ.) Lond.
Saul, S. B., B.Com , Ph.D. Birm.
Vereker, C. H., M.A., D.Phil Oxon.
Mays, J. B., M.A. Pt.-time Tutor.

Senior Research Workers

Banks, J. A., M.A. Lond
Vereker, C. H., M.A., D.Phil. Oxon.

Research Workers

Broady, M., B.A.
Gittus, Elizabeth.

Spanish, v. Hispanic Studies

Tropical Entomology and Parasitology

Gordon, R. M., O.B.E., M.D., Sc.D., D.P.H. Dub., D.T.M., F.R.C.P. Dutton and Walter Myers Prof.
Kershaw, W. E., M.B., Ch.B. Manc., D.T.M. & H. (Med. Parasitol.) Lectr.

Veterinary Science

Wright, J. G., D.Sc. Brist., M.V.Sc., F.R.C.V.S. (Vet. Surg.) Prof., Dean of Fac.
Glover, R. E., M.A., F.R.C.V.S. (Vet. Path.) Prof.
White, E. G., B.Sc., Ph.D. Lond., F.R.C.V.S. (Vet. Prev. Med.) William Prescott Prof

Davies, G. O., D.V.Sc., D.V.H. (Vet. Pathol.) Reader.

Senior Lecturers

Hughes, H. V., B.V.Sc., D.V.H. (Vet. Anat.).
Isherwood, R., M.V.Sc. (Vet. Med.).
Shuttleworth, A. C., M.V.Sc., F.R.C.V.S. (Vet. Surg.).
King, J. O. L., B.Sc. (Agric.) R'dg., M.V.Sc. (Animal Husbandry).

Lecturers

Castle, M. E., B.Sc. Leeds, Ph.D. R'dg. (Animal Husbandry).
Dransfield, J. W., M.V.Sc. (Vet. Anat.).
Griffiths, R. B., B.V.Sc. (Vet. Parasitol.).
Elam, C. W., M.V.Sc., D.V.H. (Animal Management) (Pt.-time).
Pinsent, P. J. N., B.V.Sc. (Vet. Med., Farm Animals).
Maneely, R. B. (Vet. Histol.).
Paterson, J. Y. F., B.Sc., Ph.D. Edin. (Vet. Biochem.).
Singleton, A. G., B.V.Sc. (Vet. Phys.).
Harding, H. P. (Vet. Pathol.).
Buxton, A., Ph.D. Camb. (Vet. Bacteriol.).
Olivant, J. M., D.V.S.M. Edin. (Appl. Vet. Pathol.).
Wickham, Nancy, B.V.Sc. Syd. (Vet. Pathol.).
Owen, L. N., B.V.Sc. (Vet. Pharmacol.).
Jordan, F. T. W., B.Sc. (Vet. Sci.) Lond. (Vet. Prev. Med.).
Neal, P. A., B.Sc., B.V.Sc. (Vet. Surg., Farm Animals)

Zoology, v. also Entom., Ocean.

Pumphrey, R. J., M.A., Ph.D., Sc.D. Camb., F.R.S. Derby Prof.
Burfield, S. T., M.A. Camb., D.Sc., F.L.S. Sr. Lectr.

Lecturers

Bisbee, Ruth C., M.Sc., F.L.S.
Fordham, Miss Mahalah G. C., M.Sc. W.Aust.
Jones, J. W., D.Sc., Ph.D., F.L.S.
Hynes, H. B. N., B.Sc., Ph.D. Lond., F.R.E.S. (Freshwater Zool.).
Smith, C. L., B.Sc., Ph.D. (Experimental Zool.).
Jones, I. C., B.Sc., Ph.D.

Dentistry

D. Anæsthetics

Halton, J., M.B., Ch.B., F.F.A.R.C.S. Pt.-time Lectr.

D. Prosthet. and Mech.

Lammie, G. A., Ph.D. Birm., B.Sc. Edin. Sr. Lectr., Supervisor.

D. Surg., D. Path., D. Bact.

Stones, H. H., M.D., M.D.S. Manc., F.D.S.R.C.S. (D. Surg.) Cohen Prof., Dir. of D. Educn.
Slack, G. L., O.B.E., D.D.S. Chic., Dipl. Bact., F.D.S.R.C.S. (Prev. D.) Sr. Lectr.
Hartles, R. L., B.Sc., Ph.D. (Biochem.) Sr. Lectr.
Farmer, E. D., B.A. Camb., M.D.S., F.D.S.R.C.S. Lectr.

D. Surgery, Clinical

Part-time Lecturers

Collinge, J. S. H., F.D.S.R.C.S.
Harrison, F. E., L.D.S.
Neubert, E. W., L.D.S.
MacPhee, G. G., M.A., M.D. Glas., F.D.S.R.C.S.
Lyall, G. L., L.D.S.
Fairhurst, R., B.D.S., M.B., Ch.B., F.D.S.R.C.S.

Pt.-time Asst. Lectrs.

Blamire, A., L.D.S.
Drake, A. F., B.D.S. Also Hon. Curator of Museum.
Guyler, T. W. C., B.D.S.
Softley, J. W., B.D.S. F.D.S.R.C.S.

D. Surgery, Operative

Lawton, F. E., B.D.S., F.D.S.R.C.S. Sr. Lectr.

Lecturers

Mumford, J. M., F.D.S.R.C.S.
Collinge, J. S. H., F.D.S.R.C.S. (Pt.-time).
Pearson, S. L., B.D.S.

Odontology

Guyler, T. W. C., B.D.S. Pt.-time Lectr.

Orthodontics

Softley, J. W., B.D.S., F.D.S.R.C.S. Lectr. and Clin. Instr. (Pt.-time).
Burston, W. R., L.D.S. Lectr.
Knowles, C. C., B.D.S. Lectr.

Radiology

Rubin, E. L., M.D., D.M.R.E., F.F.R. Pt.-time Lectr.

Engineering

Civil Engineering

Owen, J. B. B., D.Sc. J. W. Hughes Prof., Dean of Fac.

Lecturers

Nesbitt, H. G., M.Eng.
Waters, H., M.Eng.
Reed, C. D., M.Eng.
Proudlove, J. A., M.Eng.
Bolton, A., M.Sc. (Tech.) Manc.

Electrical Engineering

Meek, J. M., D.Eng., F.I.P. (Elect. Power E.) D. Jardine Prof.
Craggs, J. D., M.Sc., Ph.D. Lond., F.I.P. (Electronic E.) Reader.

Lecturers

Durnford, J., B.Sc. (Eng.).
Cooper, R., M.Sc., Ph.D.
Edels, H., B.Sc. (Tech.) Manc., Ph.D.
Jones, C. V., B.Sc. Lond., M.Eng.
Lynn, J. W., M.Sc.
Leck, J. H., M.Eng.
Gambling, W. A., B.Sc. Brist.
Aldred, A. S., M.Sc. Leeds.

Engineering Contracts and Specifications

Gordon, C. G. S., T.D., LL.B., J.P. Pt.-time Lectr.

Fluid Mechanics

Kearton, W. J., D.Eng. (Prof. of Mech. Engin.) Actg. Hd.
Norbury, J. F., M.Eng. Lectr.

Mechanical Engineering

Kearton, W. J., D.Eng. Harrison Prof.
Cole, E. B., M.Sc Brist. Sr. Lectr.

Lecturers

Smith, G., B.Sc. (Eng.) Manc.
Calvert, N. G., B.Eng., Ph.D.
Halling, J., B.Sc. (Eng.) Lond.
Smith, R. Munro (Naval Archit.).
Benson, R. S., B.Sc. (Eng.) Lond.
Barrow, H., M.Eng.
Ryley, D. J., M.Sc. Lond.

Metallurgy

Rollason, E. C., M.Sc., Ph.D. Birm., F.I.M. H. B. Wortley Prof.

Lecturers

Kennett, S. J., B.Sc., Ph.D., D.I.C., F.I.M.
Pardoe, J. A., M.Eng. (Fabrication Processes) (Pt.-time).
Bodsworth, C., M.Met. Sheff.

Medicine

(for subjects of first 2 yrs.—Anat., etc., v. *supra*)

Anæsthesia

Gray, T. C., M.D., F.F.A.R.C.S. Reader.
Rees, G. J., M.B., Ch.B. Hon. Lectr.
Dundee, J. W., M.D., B.Ch., B.A.O. Belf. Lectr.
Riddle, H. F. V., B.Sc. Pt.-time Res. Asst.

Bacteriology

Downie, A. W., M.D., D.Sc. Prof.
Robinson, D. T., M.Sc. Manc., Dipl. Bact. Manc. Assoc. Prof.
McCarthy, K., M.D. Lectr.
Dumbell, K. R., M.D. Lectr.
Fallon, R. J., B.Sc., M.B., B.S. Asst. Lectr.

Child Health

Capon, N. B., M.D., F.R.C.P. Prof.
Todd, R. M., M.A., M.D. Camb., D.C.H. Sr. Lectr.
Brookfield, R. W., Ph.D., M.D., F.R.C.P., D.P.H. Lectr. and First Asst. (Pt.-time).
Derham, R. L. J. S., M.B., Ch.B. Brist., D.C.H., D.P.H. Second Asst. (Pt.-time).
Keidan, S. E., M.B., Ch.B., D.C.H. Lectr

Clinical Pædiatrics

Part-time Lecturers

Thompson, W. A., M.Ch. Belf., F.R.C.S.Ed.
Brookfield, R. W., Ph.D., M.D., F.R.C.P., D.P.H.

Pt.-time Asst. Lectrs.

Farquhar, H. G., B.A., B.M., B.Ch. Oxon., D.C.H.
Forshall, Isabella, M.B., B.S. Lond., F.R.C.S.Ed.
Hay, J. D., M.A. Camb., M.D., D.C.H.

Pt.-time Hon. Lectrs.

Stark, Vida J. M., M.D., D.P.H. (Clin. Prev. P.).
Robertson, G. S., M.D. (Clin. Prev. P.).

Dermatology

Bamber, G. W., B.A., M.D. Camb., F.R.C.P. Pt.-time Lectr. in charge.

Diseases, Infectious

Christie, A. B., M.A., M.D. Aberd., D.P.H. Lond., D.C.H. Pt.-time Lectr.

Forensic Med. and Toxicology

St. Hill, C. A., M.B., Ch.B. Brist. Pt.-time Lectr. in charge.

Laryngology

McGibbon, J. E. G., O.B.E., M.B., B.S. Lond. D.L.O. Pt.-time Lectr. in charge.

Maxillo-Facial Surgery

2 Hon. Lectrs., 1 Hon. Asst. Lectr.

Medicine

Cohen, Sir Henry, D.Sc. N.U.I., M.D., Hon. LL.D. Wales and Liv., F.R.C.P., F.F.R. Prof.
Chamberlain, E. N., M.Sc., M.D., F.R.C.P. Sr. Lectr. and Lectr. in Med. for Dent. Students (Pt.-time).
Jones, E. S., M.B., Ch.B., Ph.D. Lectr.
Thomas, O. F., D.P.H. (Clin. TB.) Pt. time Lectr.
Baker-Bates, E. T., M.D., F.R.C.P. Pt.-time Lectr.
Jones, E. W., M.D., D.P.H., F.R.C.P. Lectr. in Clin. Med. to Dental Students (Pt.-time).
Sanderson, G., M.D. Pt.-time Lectr.

Pt.-time Lectrs. in Clin. Med.

Ellis, G. R., M.A., M.D. Camb., F.R.C.P.
Coope, R., B.Sc., M.D., F.R.C.P.
Brookfield, R. W., Ph.D., M.D., D.P.H., F.R.C.P.
Chamberlain, E. N., M.Sc., M.D., F.R.C.P.
Pemberton, H. S., M.B., Ch.B., F.R.C.P.

Clarke, C. A., M.A., M.D. Camb., F.R.C.P.
Jones, E. W., M.D., D.P.H., F.R.C.P.
Pt.-time Asst. Lectrs. in Clin. Med.
Baker-Bates, E. T., M.D., F.R.C.P.
Evans, R. M., M.A., M.B., B.Chir. Camb.
Hughes, R. R., M.D.
Jones, A. T., M.D., D.P.H.
Sanderson, G., M.D.
Sutton, W. S., M.B., Ch.B.
Cook, W. H. R., M.D.

Obstetrics and Gynæcology

Jeffcoate, T. N. A., M.D., F.R.C.S.Ed., F.R.C.O.G. Prof.
Roberts, H., M.D. (Gynæcol.) Sp. Lectr.
Gemmell, A. A., M.C., T.D., M.A., M.D. Camb., F.R.C.S.Ed., F.R.C.O.G. Pt.-time Lectr.
Pt.-time Lectrs. in Clin. Obstet. and Gynæcol.
Hamilton, C. J. K., M.A., M.B., B.Chir. Camb., F.R.C.S.Ed., F.R.C.O.G.
Malpas, P., Ch.M., F.R.C.S., F.R.C.O.G.
Datnow, M. M., M.D., F.R.C.S.Ed., F.R.C.O.G.
Gemmell, A. A., M.C., T.D., M.A., M.D. Camb., F.R.C.S.Ed., F.R.C.O.G.
Herd, S. B., M.D., F.R.C.O.G.
Walsh, C. H., M.B., Ch.B., D.P.H., F.R.C.O.G.
Pt.-time Asst. Lectrs. in Clin. Obstet. and Gynæcol.
Mayeur, Mary H., M.D. Lond., F.R.C.S.
Barr, S. J., M.B., Ch.B., B.A.O. Belf. (Obstet.).
Prysor-Jones, D., M.B., Ch.B. (Obstet.).
Tutors in Obstet.
Graham, Winifred J.A , M.B., Ch.B.
Scott, J. S., M.B., Ch.B. Glas.

Ophthalmology

Reid, A. McKie, M.C., T.D., M.B., Ch.B., F.R.C.S., D.O.M.S. Pt.-time Lectr. in charge.

Pathology

Sheehan, H. L., T.D., M.D., D.Sc. Manc., F.R.C.P., F.R.C.O.G. Holt Prof. and Jt. Dir., Dept. of Clin. P.
Downie, Prof. A. W., M.D., D.Sc. Jt. Dir., Dept. of Clin. P.
Cruickshank, A. H., M.D. Aberd., Ph.D. Sr. Lectr.

Lecturers

Davis, J. C., M.D.
Lynch, J. B., M.B., Ch.B., F.R.C.S.
Strawbridge, H. T. G., M.B., Ch.B. Edin.
Watt, J., M.B., Ch.B. Aberd.
Woodcock, A. S., M.B., Ch.B. Leeds (Neoplastic Dis.) Sp. Lectr.
Osborne, G. V., M.B., Ch.B., M.Ch.Orth. (P. of Orthop. Conditions) Pt.-time Lectr.

Clinical Pathologists

Black, T., M.B., Ch.B. Edin.
Evans, R. W., T.D., B.Sc.
Hall, E. G., B.Sc., M.B., Ch.B. Manc.
Rewell, R. E., M.D.
St. Hill, C. A., M.B., Ch.B. Brist.
Stanley, D. A., B.Sc., M.D. Lond., F.R.I.C.
Whitwell, F., M.D. Lond.

Pharmacology

Wilson, A., M.D., Ph.D., F.R.F.P.S. Glas. Prof.
Brookfield, R. W., Ph.D., M.D., D.P.H., F.R.C.P. (Therap.) Pt.-time Lectr.
Roberts, J. B., M.B., Ch.B. Lectr.
Wilson, H., M.B., Ch.B. Asst. Lectr.

Psychological Medicine

Hall, S. B., M.D., D.P.M. Dir.

Hopkins, F., M.D. Belf. Pt.-time Sr. Lectr.

Public Health

Semple, A. B., M.D., D.P.H. Glas. Prof.

Thomas, O. F., D.P.H. (TB.) Hon. Lectr.

Part-time Lecturers

Davies, J. B. M., M.D.

Stark, Vida J. M , M D.

Radio-diagnosis

Whitaker, P. H., M.D., D.M.R.E. Lectr.

Hon. Asst. Lectrs.

Ross, J. A., M.A. Camb., D.M.R.E.

Rubin, E. L., M.D., D.M.R.E., F F.R.

Scarrow, G. D., M.D., M.Rad.

Walker, Norah M., M.B., Ch.B. Manc., D.M.R.E.

Radiotherapy

Fulton, J. S., C.B.E., M.D. Edin., F.R.C.P.Ed., F.F.R. Lectr.

Hon. Asst. Lectrs.

Fraser, D. M., C.I.E., M.B., Ch.B. Glas., D.M.R.E. Camb.

Stewart, M. A., M.B., Ch.B. N.Z., D.M.R. Lond.

Cowell, Mary A. C., M.D., D.M.R. Manc.

Milln, Marjorie S., M.D. St. And., D.M.R.T. Lond.

Surgery

Wells, C. A., M.B., Ch.B., F.R.C.S. Prof.

McFarland, B. L., M.D., M.Ch. Orth., F.R.C.S.Ed. (Orthop. S.) Prof. and Dir., Orthop. Studies.

Schofield, T. L., M.B., Ch.B., F.R.C.S. Lectr. and 2nd Asst.

Kerr, A. S., M.B., Ch.B., F.R.C.S. Pt.-time Lectr.

Oldham, J. B., M.B., Ch.B., F.R.C.S. Lectr. and Clin. S. Lectr. (Pt.-time).

Ross, J. C., Ch.M., F.R.C.S. Lectr. and Clin. S. Lectr. (Pt.-time).

Reid, H., M.B., Ch.B., F.R.C.S. Lectr. in Clin. S. and Pt.-time Lectr. in S. to Dental Students

Lehane, D., M.B., B.Ch., B.A.O. N.U.I. (Hæmatol.) Hon. Lectr.

Edwards, F. R., M.D., Ch.M., F.R.C.S. (Thoracic S.) Lectr. (Pt.-time) and Hon. Clin. Lectr.

Hughes, J. H., M.D., Ch.M., F.R.C.S. Lectr. and Clin. S. Lectr. (Pt.-time).

Doyle, R. W., M.B., Ch.B., F.R.C.S. (Clin. S.) Pt.-time Asst. Lectr.

Dwyer, F. C., M.B., Ch.B. Cape T., M.Ch. Orth., F.R.C.S. (Clin. Orth. S.) Pt.-time Lectr.

Hunter, W. R., Ch.M., F.R.C.S. (Clin. S.) Pt.-time Asst. Lectr.

Roaf, R., M.A., B.M., B.Ch. Oxon., M.Ch. Orth., F.R.C.S. Lectr. and Asst. Clin. Lectr. (Orthop. S.) (Pt.-time).

Wardle, E. N., M.B., Ch.B., M.Ch. Orth., F.R.C.S. (Orthop. S.) Lectr. and Clin. Lectr. (Pt.-time).

Roberts, N. W., M.B., B.S. Lond., M.B., Ch.B., M.Ch. Orth., F.R.C.S. (Orthop. S.) Lectr. and Clin. Lectr. (Pt.-time)

Hawe, P. R., Ch.M., F.R.C.S. (Clin. S.) Pt.-time Lectr.

Unsworth, S. V., M.B., Ch.B., F.R.C.S., F.R.C.S.Ed. (Clin. S.) Pt.-time Lectr.

Beattie, W. M., M.A., M.Chir. Camb. F.R.C.S. (Clin. S.)
Pt.-time Asst. Lectr.

Thomas, G. E., M.B., B.S. Lond., M.B., Ch.B., M.Ch. Orth., F.R.C.S.Ed.
Lectr. and Asst. Clin. Lectr. (Orthop. S.) (Pt.-time).

Osborne, G. V., M.B., Ch.B., M.Ch. Orth., F.R.C.S. (Orthop. S.)
Pt.-time Asst. Clin. Lectr.

Bennett-Jones, M. J., Ch.M., F.R.C.S. (Clin. S.)
Pt.-time Asst. Lectr.

Brewer, A. C., M.B., Ch.B., F.R.C.S. (Clin. S. to Dental Students)
Asst. Clin. Lectr. and Lectr. (Pt.-time).

Evans, F. I., M.C., M.B.E., M.A., M.B., B.Chir. Camb., F.R.C.S. (Clin. S.)
Pt.-time Asst. Lectr.

Moroney, P. B., M.B., Ch.B., M.Ch. Orth., F.R.C.S. (Clin. Orthop. S.)
Pt.-time Asst. Lectr.

Silverstone, M., Ch M., F.R.C.S.
Pt.-time Asst. Lectr. (Clin. S.).

O'Malley, A. G., M.B., Ch.B. (Orthop. S.)
Pt.-time Asst. Lectr.

Macphee, I. W., M.D. Glas., F.R.C.S., F.R.C.S.Ed.
Lectr.

Tropical Hygiene

Davey, T. H., O.B.E., M.D. Belf., D.P.H.
Middlemass Hunt Prof.

Lightbody, W. P. H., C.B.E., D.P.H., D.T.M. & H.
Sr. Lectr.

Tropical Medicine

Maegraith, B. G., M.B., B.S. Adel., B.Sc., D.Phil., M.A. Oxon.
Alfred Jones and Warrington Yorke Prof.

Adams, A. R. D., M D., D.T.M., F.R.C.P. Sr. Lectr.

William Mitchell Banks Memorial Lecturer
(Surgery—every 2nd yr.)

1955—.....

Forwood Lecturer (Philosophy and History of Religion)

1955—.....

Lady Jones Lecturer (Orthopædic Surg.—every 2nd yr.)

1955—.....

Sydney Jones Lecturers (Art)

1954–55—Prof. N. B. L. Pevsner, C.B.E., M.A. Camb., Ph.D. Leipzig, F.S.A. (Archit.); G. Russell, C.B.E., M.C. (Furniture and Interior Decoration); Prof. A. F. Blunt, C V.O., Ph.D., M.A. Camb. (Painting).

Sherrington Lecturer (Physiology—every 2nd yr.)

1955—Prof. Sir Henry Cohen, D.Sc. N.U.I., M D., LL.D, F.R.C.P., F.F.R.

Shute Lecturer (Art of the Theatre)

1954–55—Norman Marshall.

James Arthur Smith Lecturer
(Cancer—every 3rd yr.)

1956—.....

Marine Biological Station, Port Erin, Isle of Man

Colman, J. S., M.A. Oxon. Dir.

Lecturers

Bruce, J. R., M.Sc.
Lectr. and Dep. Dir

Jones, N. S., M.Sc., Ph.D.
Williamson, D. I., B.Sc., Ph.D. Durh. (Mar. Zool.).
Bowers, A. B., B Sc. (Fisheries).
Slinn, D. J., B.Sc. Belf. Hydrographical Chemist.

Extra-Mural Studies

Kelly, T., M.A. Manc. Dir.
Jones, H. A., M.A. Manc. Asst. Dir.
Burr, J., M.A. Asst. Dir.

Staff Tutors

Husain, B. M. C., M.A., B.Com. (Geog.).
Quinn, G. P., B.A. Camb. (Econ.).
Wright, R. R., M.A. Durh. and Camb. (Engl. Lit.).
Jones, A., B.A. (Staff Tutor and Librarian).
Bagley, J. J., M.A. (Hist.).
Barford, P. T., B.Mus., M.A. Leeds (Music).
Bonnor, Mrs. Jean, B.A. (Soc. Sci.)

Jt. Secs. to the Jt. Cttee. on Tutorial Classes

Garstang, F., M.A.
Kelly, T., M.A. Manc.

ADMINISTRATIVE AND OTHER STAFF

Lectrs. in Phys. Educn.: R. E. Dunn, B.Sc. Lond.; Annie Peock. Wardens of Halls of Residence: Prof. D. R. Seaborne Davies, M.A. Camb., LL.B. Wales (Derby Hall); Emma A. H. Clifford, M.A. R'dg. (University Hall); Elizabeth M. Leese, B.A. Brist. (Rankin Hall). Asst. Sec. Appts. Bd.: H. B. Putt, B.A. Brist. Chief Clerk of the Academic Dept.: W. H. Wilson. Chief Clerk of Administrative Dept.; E. McKie. Clerk of the Fabric: A. T. Westrope. Asst. Finance Officer: W. Glynn Williams. Sec. to Vice-Chancellor: Beatrice F. Kay. Sec. to Registrar: Mrs. Marion Campbell.

ASSOCIATED AND AFFILIATED INSTITUTIONS

CHESTER DIOCESAN TRAINING COLLEGE. (*Telephone*: Chester 207.) Principal—Rev. A. J. Price, M.A. Recognized Teachers—E. Pickup, B.A. (in *French*); J. L. Bradbury, M.A. (in *Engl.*); J. S. Stephens, B.A. (in *Geog.*); F. W. Hooper, B.Sc. (in *Chem. and Phys.*); W. E. Lewis, M.A. (in *Maths.*).

EDGE HILL TRAINING COLLEGE, St. Helens Rd., Ormskirk, Lancs. (*Telephone*: Ormskirk 844.) Principal—Margaret I. Bain, M.A. Aberd., D. de l'U. Paris.

LIVERPOOL OBSERVATORY AND TIDAL INSTITUTE, Dock Office, Liverpool, 3. (*Telephone*: Central 6010, Extn. 201.) Observatory estabd. 1845, Tidal Inst., 1919. Administered by Jt. Cttee. representing Univ. Council and Mersey Docks and Harbour Bd. Dir.—A. T. Doodson, D.Sc., F.R.S.

ST. AIDAN'S COLLEGE, Howbeck Rd., Birkenhead. (*Telephone*: Birkenhead 1247.) Principal—Rev. W. M. F. Scott, M.A. Oxon. Certain courses (not given in the Univ.) are recognized as Univ. courses in part for ord. degree of B.A. Recognized Teacher in *Eccl. Hist.*—Rev. M. M. Hennell, M.A.

SCHOOL OF TROPICAL MEDICINE, Pembroke Place, Liverpool, 3. (*Telegrams and Cables*: Malaria, Liverpool. *Telephone*: Royal 7611.) Ward for Tropical Diseases at Royal Infirmary, Liverpool. Res. lab. at Sierra Leone (closed during the war and not yet reopened). For training in the conduct of original res. and organization of prophylactic measures. Has sent numerous expedi-

tions to tropical countries. Publishes *Annals*. For staff, *see above*—Trop. Med., Trop. Hygiene, Parasitol., Entomol. D.T.M. & H., 3 mos.' course.

TRAINING COLLEGE OF NOTRE-DAME, Mount Pleasant, Liverpool, 3. (*Telephone*: Royal 2008.) Principal—Ann Rawcliffe, M.Sc.

FACULTY OF MEDICINE. Hospls. affiliated for purpose of clin. or practical work required for degrees and dipls. in Fac. of Med.: Liv. Royal Inf., David Lewis Northern Hosp., R. Southern Hosp., Liv. Stanley Hosp., R. Liv. Children's Hosp., Women's Hosp., Liv. Maternity Hosp., Liv. Ear, Nose and Throat Inf., St. Paul's Eye Hosp., Liv. Dent. Hosp., Aintree Hosp. (TB.), Alder Hey Children's Hosp. and R. Liv. Babies' Hosp., Broadgreen Hosp., Clatterbridge County Gen. Hosp., Fazakerley Hosp. (Infec. Dis.), Mill Rd. Maternity Unit, Sefton Gen. Hosp., Walton Hosp., Winwick Hosp., Wrightington Hosp., Seamen's Disp., Liv. Chest Hosp.

GENERAL INFORMATION

Univ. Coll., Liverpool, founded by Royal Charter 1881, was admitted into the Victoria Univ., Manchester, in 1884. In 1903 the Univ. of Liverpool was established by Royal Charter and the Coll. was absorbed in it.

CONSTITUTION. The supreme governing body of the Univ. is the Court which, subject to the Charter, Statutes and legislation, has absolute power within the Univ. It consists of the members of the Council and Senate, reps. of Local Authorities, professional bodies, schools, colls. and Convocation, and of certain officials *ex officio*. It meets annually to consider the Report of Proceedings of the Council of the Univ., and to approve the Statement of Accounts and alterations to Ordinances.

The Council is the executive body of the Univ. and consists of the officers of the Univ. and reps. of the Court, City Council, Senate, Facs. and Convocation; it administers the whole revenue and property and conducts all affairs of the Univ., and, on nomination of the Facs. and Senate, appts. Profs., officials and members of the Teaching Staff.

The Senate is responsible to the Council for the general regulation of discipline, instruction, res. and exams. within the Univ. and for recommendations for degrees, dipls., certs., scholps. and prizes.

Each of the Facs. of the Univ. is responsible to the Senate for courses of study and regns. as to awards, and, in general, the various business transactions falling within each Fac.'s province.

LIBRARY. Contains over 300,000 vols. The most important collections received by gift or bequest are those of Thomas Glazebrook Rylands (1900), rich in early geog., astron., maths. and British local hist.; of William Noble (1912), containing most of the finely printed books published in England since about 1880; and of R. A. Scott Macfie (1935), entirely devoted to the Gypsies. The Library possesses a small but fairly representative collection of mediæval MSS., including an important text of *Piers Plowman*, and about 250 incunabula. Special bibliographies have been issued. In addition to the Harold Cohen Library, opened in 1938, there are numerous departmental libraries, all administered by the Univ. Librarian.

The following are the principal MUSEUMS AND LABORATORIES: Mathematical Inst., Anat., Archæol., Archit., Bacteriol., Biochem., Bot., Chem., Physical and Electro-Chem., Electr. Engin., Embryol. and Genetics, Engin., Geol., Public Health, Child Health, Laryngol., Materia Medica, Med., Trop. Med. (including museum, animal houses, and specially warmed glass insect-

arium, and res. labs. at Liverpool and Sierra Leone), Chemotherapy, Obstet. and Gynæcol., Oceanog., Ophthalmol., Pathol., Physics, Nuclear Physics, Physiol. and Histol., Radio-diagnosis, Radiotherapy, Surg. Pathol., Tidal Res., Toxicol., Vet. Anat. and Pathol. (Vet. Hosp. in Liverpool and a Vet. Field Station and Hosp. in Wirral), Zool. The Marine Biological Station, Port Erin, Isle of Man, has been transferred to the Univ. by an Act of Tynwald. HOSPITALS available for Clinics, 25 general and special. The trade of the port ensures frequent cases of infection. Special wards for Trop. Diseases. Expeditions to Tropical countries organized for investigation or advice. Suitably qualified persons may enter the labs. for res. at prescribed fees.

FACULTIES AND DEANS. *Arts*, Prof. W. Smith (Geog.); *Engineering*, Prof. J. B. B. Owen (Civil E.); *Law*, ...; *Medicine*, J. M. Leggate; *Science*, Dr. R. O. Griffith (Phys. Chem.); *Veterinary Science*, Prof. J. G. Wright (Vet. Surg.).

ADMISSION. *See* Appendix I.

DEGREE COURSES. B.A., B.Com., B.Sc., LL.B., 3 yrs.; B.Eng., 3 or 4 yrs.; B.Arch., B.V.Sc., 5 yrs.; M.B., Ch.B., not less than 6 yrs., subsequent to admission to Fac. of Med.; B.D.S., not less than 5 yrs. and two terms.

The degree of B.A. is conferred either as a degree in General Studies or as a degree in Special Studies in one of the Schools of the Fac. Hons. may be awarded in both General and Special Studies.

There are alternative curricula for the degree of B.Com. Alternative A is for the ordinary student in Commerce, Alternative B is for those who wish to enter the accountancy profession.

The LL.B. courses prepare for the Bar and solicitors' examns. as well as for the degree.

HIGHER DEGREES. Ph.D., v. p. 24. Fac. of Arts: Litt.D.—On published contributions to learning, after report, upon M.A.s after 7 yrs. from date of admission to degree of B.A. M.A.—2 yrs.' directed study after Hons. B.A., and dissertation with or without examn., or report on 2 yrs.' res. work. 2 yrs.' directed study after Ord. B.A., B.Com., or B.Arch. (Ord. or Hons.) and dissertation with or without examn. Other grads. or candidates who have passed a final degree examn. eligible under certain conditions after 2 yrs.' higher study. Other approved candidates, 3 sessions. M.C.D.—Study for at least 1 further session after B.Arch., otherwise a 2-yr. course. M.Arch.—On architectural work of a distinguished character, after report; 10 yrs. from taking B.Arch. M.Com.—2 yrs.' directed study after B.Com. or B.Com.Sc., by presenting dissertation with or without examn. Other grads. eligible, under certain conditions, after 2 yrs.' higher study. Fac. of Law: LL.D.—On published contributions to learning, after report, after 5 yrs. from taking LL.M. LL.M.—2 yrs.' directed study after Hons. LL.B. Holders of Ord. LL.B. take examn. or present a dissertation with or without examn. and 2 yrs.' directed study after LL.B. Other grads. or candidates who have passed a final degree examn. eligible under certain conditions after 2 yrs.' higher study. Other approved candidates, 3 yrs. Fac. of Science: D.Sc.—On published contributions to Sci., after report; candidates to be grads. of Liv. of not less than 6 yrs.' standing. M.Sc.—Hons. B.Sc., 3 complete terms' higher study or res.; other grads., a prescribed preparatory course and passing an examn. Subsequently, 3 terms' higher study or res. Other persons may, in special circumstances, be accepted under certain conditions. Fac. of Medicine: M.D.—(*a*) 2 yrs. after M.B., Ch.B., thesis with, if candidate desires, copies of published original papers upon Med. Sci. Oral examn. on subject of thesis. (*b*) 5 yrs. after M.B., Ch.B., examn. in Med. and in a selected branch of Med. Ch.M.—2 sessions after M.B.,

Ch.B. of Liv. or other approved Univ., by examn. The Ch.M. is open to grads., other than Med., of this or approved Univs., who hold a Med. qualification registrable in Gt. Britain. M.Ch.Orth.—15 mos. after M.B., Ch.B. of Liv. or other approved Univ., by examn. The M.Ch.Orth. is open to grads., other than Med., of this or approved Univs. who are F.R.C.S. (Eng., Ed., I., Aust. or Can.) or Fellows of the American Coll. of Surg. or Fellows *qua* Surgeons of the Royal Faculty of Physicians and Surgeons, Glasgow. M.Rad. (in either of two branches, viz.: Radio-diagnosis or Radiotherapy). The M.Rad. is open to holders of the Dipl. in Radiol. of this Univ. of 2 yrs.' standing who have not failed more than once for Dipl. in Radiol.; thesis required. M.D.S.—2 yrs.' standing from taking B.D.S., 3 yrs.' standing (with 1 yr.'s higher study or research) from equivalent to B.D.S. All candidates present thesis with, if desired, copies of published work relative to Dent. Sci. and take special examn. D.V.Sc.—On published contributions to Vet. Sci., after report, after 3 yrs. from taking M.V.Sc. M.V.Sc.—2 sessions of higher study after B.V.Sc. (or equivalent), by thesis or report and possibly by examn. Fac. of Engineering: D.Eng.—On published contributions to Engin., after report, on M.Eng.s. or Ph.D.s (Fac. of Engin.), after 5 yrs. from taking such degree. M.Eng.—2 yrs.' practice after Hons. B.Eng.; 2 yrs.' practice and either (*a*) one of such years in higher study and report, or (*b*) on presenting dissertation, after ordinary B.Eng. Other grads., 2 yrs.' higher study with examn. and thesis. Other approved candidates, 3 yrs. with examn. and thesis.

DIPLOMAS. Archæol., open to grads. of Liv. or other approved Univ., 1 or 2 sessions and examn.; Civil Design, 1 or 2 yrs.' prescribed study and examn.; only suitably qualified admitted; Educn., 1 yr. for grads. or candidates who have passed final degree examn.; Pub. Admin., 3 yrs., 2 yrs. or 1 yr. according to qualfcns. of candidates; Social Admin., not less than 12 mos.; Study of Records and Admin. of Archives, 1 yr. for full-time students, 2 yrs. for others; Industrial Sociol., 2 yrs. or 1 yr., as determined by Fac.; Applied Psychol., 2 yrs. or 1 yr., according to qualifcns. of candidates; Engin., 2 yrs.' practice of Engin. after final examn. for Certif. (including 1 yr.'s approved study or dissertation)—candidates who passed in 8 papers in final Certif. examn., 2 yrs.' practice; L.D.S., not less than 4 yrs. and 2 terms. Postgrad. med. dipls.: D.P.H., 1 yr.; D.M.R. (D. or T.), 2 yrs.; D.T.M. & H., 6 mos.

CERTIFICATES. Archæol., 1 yr.; separate Arts subjects, 2 yrs.; Social Sci., 1 or 2 yrs.; Educn., 1 yr. for grads. and others suitably qualified; Public Health, 1 term; Engin., 4 yrs. (3 yrs. for approved candidates); Univ. Extension courses, 1 yr.

FEES. Guild of Undergrads., £5 : 5s. p.a. DEGREE COURSES: B.A. or B.Com. (3 yrs.), £90 (B.A. Special Studies, 4th yr., £10); M.A. or M.Com. (sessional), £7 : 7s.; B.Arch. (5 yrs.), £195; M.C.D., £25 per session; B.Sc. (3 yrs.), £120 (B.Sc. Hons., 4th yr., £30 or £40); M.Sc. (sessional), Maths., £7 : 7s.; other subjs., £10. M.B., Ch.B. (6 yrs.), £286; Ch.M. (2 yrs.), £60; M.Ch.Orth. (15 mos. or 12 mos.), £80 or £70; B.D.S. (5 yrs. 2 terms), £317; M.D.S. (2 or 3 yrs.), £22; B.V.Sc. (5 yrs.), £217; M.V.Sc., 1st yr., £20, 2nd yr., £10; LL.B. (3 yrs.), £82 : 2s. 6d.; LL.M. (sessional), £7 : 7s.; B.Eng. (3 or 4 yrs.), £144-£192; M.Eng. (2 yrs.), £20; Ph.D. (9 terms or 2 calendar yrs.), £40 : 10s. or £27. Apparatus fee per session for postgraduate students using labs. for research (Sci., Med., Engin., except Maths.), £10. DIPLOMA COURSES: Educn. (1 yr.), £35; Archæol. (2 yrs.), £15 per session; Pub. Admin. (3 yrs.), £30; Study of Records and Admin. of Archives (1 or 2 yrs.), £30; Industrial Sociol. (1 or 2 yrs.), £25 per session; Soc. Admin., £35; Appl. Psychol., £25 per session; D.M.R. (D. or T.) (1 yr. 9 mos.), £65; D.P.H.

(1 yr.), £60 ; D.T.M. & H. (6 mos.), £44 : 2s. ; Postgrad. courses requiring sp. facilities, £50 p.a. ; L.D.S. Liv., £255 : 10s. ; Engin., 1 yr. after taking Certif. in Engin., £48. CERTIFICATE COURSES : Soc. Sci., £25 per session or £30 if taken in 1 yr. Archæol. (1 yr.), £15 ; Educn. (1 yr.), £35 ; Engin., 3 or 4 yrs. at £48 per session. Sep. Arts subjects : as for separate courses.

EXAMN. FEES. M.B. and Ch.B., £22 : 1s.; B.D.S., £25 : 4s.; B.V.Sc., £26 : 5s. B.Arch., £7 : 10s. ; other Bachelor's degrees, £5 or £6, Master's degree (examn. or on application), Ch.M., M.Ch.Orth., M.D.S., £10 : 10s. ; M.Rad., £10 ; M.V.Sc., £5 ; others, £4 ; M.Sc., qual. examn., £2 ; Doctor's (examn. or on application), M.D., £10 : 10s., others, £10. Dipl. examns., L.D.S., £19 : 19s. ; Archæol., £3 ; Pub. Admin., £1 ; Civic Design, £1 : 10s. 6d. ; Educn., Soc. Admin., Indust. Sociol., Appl. Psychol., £2 ; Study of Records and Admin. of Archives, £3 ; Engin., £3 ; D.P.H., D.M.R. (D. or T.), £10 : 10s. ; D.T.M. & H., £6 : 6s. Certif. Examns., Engin., £5 ; Pub. Health, £5 : 5s. ; Archæol., £3 ; others, £2.

Degree Admission Fees : *First Degree*—B.A., B.Arch., B.Com., B.Sc., B.V.Sc., LL.B., B.Eng., £6 or £5 ; M.B., Ch.B., B.D.S., £6 : 6s. or £5 : 5s. *Higher Degrees*—M.A., M.Com., M.C.D., M.Sc., LL.M., M.Eng., £7 or £6 ; M.Arch., £6 ; Ch.M., M.Ch.Orth., M.Rad., M.D.S., £10 ; M.V.Sc., £6 or £5 ; all Doctors' Degrees : £10 (except Ph.D., £7 or £6, and LL.D., £5). Dipls. and Certifs. : D.P.H., L.D.S., £2 : 2s. ; D.M.R. (D. or T.), £5 : 5s. ; D.T.M. & H., £3 : 3s. ; Dipl. Engin., £3 ; Certif. in Pub. Health, £1 : 1s. ; Certif. in Engin., £2 ; others, £1. *Note* : The lower figure is charged when a candidate has previously graduated in the Univ.

POSTGRADUATE AWARDS open to graduates of other Univs. : *see* Appendix II.

RESIDENCE. (For Wardens *see* " Administrative and other Staff," p. 199.) For Women : University Hall, Holly Rd., Fairfield, Liverpool, 7 (*Telephone* : Anfield 1458), 130 students ; Rankin Hall, 38-46 Ullet Rd., Liverpool, 17 (*Telephone* : Sefton Park 1723), 112 students. For Men : Derby Hall, North Mossley Hill Rd., Liverpool, 18 (*Telephone* : Allerton 2331), 167 students. For current fees see *General Prospectus*.

ASSOCIATION OF GRADUATES. Besides Convocation, there is a Liverpool University Society, with mainly social functions.

ADULT EDUCATION. A Univ. Extension Board and a Univ. Jt. Cttee. on Tutorial Classes are responsible for extra-mural work. There are travelling libraries for local centres.

VACATION COURSE. Engl. Lang. and Lit. (arranged in assocn. with British Council).

APPOINTMENTS BOARD. (For Sec. and Asst. Sec., *see* pp. 186 and 199.) Formed to advise students on all matters relating to careers and employment, and to assist grads. and others to obtain suitable positions on the completion of their Univ. Courses.

UNIVERSITY TRAINING CORPS (T.A.). H.Q. and Orderly Room : 51 Bedford St. North, Liverpool 7. (*Telephone* : Royal 1314.) Hon. Col. : Lieut.-General Sir Dudley Ward, K.B.E., C.B., D.S.O. C.O. : Lieut.-Col. R. W. Stephens, M.B.E., M.A. Adjutant : Major J. H. E. Weber.

UNIVERSITY AIR SQUADRON. H.Q. : Everton Rd. Drill Hall, Everton Rd., Liverpool, 6. (*Telephone* : Anfield 1547.) C.O. : Sqn. Leader P. N. Farlow Adjutant : Fl.-Lieut. R. I. Perry, D.F.C.

GUILD OF UNDERGRADUATES. Students' Union : 2 Bedford St. North, Liverpool, 7. (*Telephone* : Royal 4744.)

STUDENT ATHLETIC FACILITIES. Walter Harding Gymnasium, Bedford St. North, Liverpool; Geoffrey Hughes Athletic Grounds, Wyncote, Allerton, Liverpool. (*Telephone*: Allerton 2048.)

STUDENT HEALTH SERVICE. A Student Health Service is provided by the Univ., under the control of a Chief Medical Officer, assisted by other Medical Officers (one of whom is a woman) and a Student Welfare Officer.

PUBLICATIONS. *Calendar* (Oct.), 10s. 6d., post free; *Diary* (Oct.), free to members of the Univ.; *General Prospectus*; *Prospectuses of Faculties and Schools and leaflets on Degree courses* (Sept.), 3d. to 2s. 6d.; *Students' Handbook* (Oct.), free; Students' Magazine, *The Sphinx*, 6d. (4 numbers per session); Med. Students Mag., *Sphincter*, 2s. 6d. p.a. (3 numbers per session); *Report on Research and other Original Work* (Nov.), free; *Recorder*, 2s. 6d. p.a. (3 numbers per session).

UNIVERSITY PRESS. The Univ. Press of Liverpool fulfils two chief functions: to encourage res. by offering some prospect of publicn., and to make work that is being done in the Univ. known and available throughout the world. Works published by the Press are primarily but not exclusively by staff members of the Univ. The Press also publishes *The Annals of Tropical Medicine and Parasitology*, *The Town Planning Review* and *The Journal of Comparative Pathology and Therapeutics*.

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. Nuffield Foundation, £3700 (£1700 to Dept. of Zool., £2000 to Dept. of Soc. Sci.); estate of late S. G. Rathbone, £1505 for assistance to students; Divisional Union of Soroptomist Clubs, £1205 for endowment of Bursary in Soc. Sci.; Univ. Gift Fund, £1106; General Sikorski Scholp. Fund, approx. £1100, to establish annual prize in Sch. of Archit.; Cow and Gate, Ltd., £1000 towards Fellowship in Child Health; Jt. Matric. Bd., £1000.

NEW BUILDINGS. Workshop extension to Harrison Hughes Engin. Labs.

PRINCIPAL CHANGES IN REGULATIONS. New regns. for B.A. provide for 3 yrs.' Hons. Course in all Schools of Fac. Compulsory lang. requirement for Special Studies candidates abolished and replaced by requirement suitable for needs of each Sch. Candidates adequately equipped may in future be admitted to Hons. Sch. at beginning of 1st yr. of study. As from Oct. 1954, Fac. of Arts entrance requirement of 3 Advanced level subjects in G.C.E. replaced by requirement of 2 Advanced level subjects. Regns. made for new Dipl. in Soc. Admin. Geog. established as full subject for Ord. B.Sc. and made one of Hons. Schools of Fac. of Sci. Some radical changes made in clin. curriculum of Fac. of Med. to solve problem of conflicting claims on students' time. As a result of changes in regns. for B.Eng., 3rd yr. courses for students of Mech., Marine, Electric Power and Electronic Engin. are identical. Regns. made for new Postgrad. Studentship in Vet. Sci.

EXTRA-MURAL WORK. Total no. of courses arranged under Univ. Extension Bd. rose to 66 and no. of students to 2261. For reasons of economy, many of these courses were short and the total no. of class meetings was lower than in the previous yr. There were 7 postgrad. and advanced courses, 13 courses for teachers and youth leaders, and 46 other courses. Under Univ. Jt. Cttee. on Tutorial Classes there were 69 3-yr. tutorial classes and 5 sessional classes, with 1010 students in all.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. E. Hughes, Durh.; J. C. J. Metford, Glas.; Prof. A. Haddow, Lond.; Prof. W. E. Le Gros Clark, Oxon.; Prof. J. Piaget, Geneva; Dr. H. A. Potratz, Frankfurt; Prof. Sir Geoffrey Jefferson, Manc.; Dr. G. E. Daniel, Camb.; Dr. K. H. Wörner, Heidel.; Prof. A. Querido, Leyden; Prof. E. F. Frazier, Howard Univ.; Prof. C. G. Rob, Lond.; Prof. S. E. Rasmussen, Copenhagen; Prof. Møller, Copenhagen.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. A. H. Armstrong, Dub.; Dr. Dorothy Knowles, Lond.; N. J. Lamb, Lisbon; L. de S. Rebelo, Dub.; E. Colledge, R'dg.; Prof. K. A. Muir, Bangor, Durh., Lond.; K. C. B. Allott, Oxon., Leicester, Saar; Prof. W. Smith, Hull; F. J. Monkhouse, R'dg.; A. T. A. Learmonth, Nott.; Prof. F. E. Hyde, Manc., Lond.; Prof. G. L. S. Shackle, Lond., Durh., North Staffs., So'ton., Manc.; G. Clayton, Bangor; W. Robertson, Stras.; Prof. T. S. Simey, Swansea, Jerusalem; H. F. Clark, Brist., Cardiff, Birm., Lond.; Prof. G. Stephenson, Bangor; Prof. H. Frohlich, Purdue; Dr. W. B. Whalley, Belf.; Prof. A. Robertson, Aberd., St. And., Birm.; Prof. R. M. Shackleton, North Staffs.; Prof. R. G. Harrison, Oslo; Prof. C. A. Wells, Hong Kong; Prof. J. B. B. Owen, Manc.; Dr. J. D. Craggs, Lond.

RETIREMENTS. Prof. W. M. Frazer (Pub. Health); Dr. T. J. Jones (Embryol.); Aenid Picton (German); W. C. Smith (Marine Biol.); G. V. Watt (Dent. Prosthet. and Mechanics); J. C. M. Wilson (Naval Archit.).

RESIGNATIONS. Joyce S. Batty (Pure Maths.); Dr. E. F. B. Cadman (Med.), apptd. Consulting Physician, Liverpool Region; J. M. Calvert (Phys.); Mrs. E. O. A. Checkland (Pub. Admin.), Dr. S. G. Checkland (Econ. Sci.), apptd. Lectr. in Hist., Camb.; Mary V. J. Chisholm (Soc. Sci.); L. A. Cort (Org. Chem.); Dr. S. Croft (Anat.); M. H. Cross (Vet. Surg.); G. A. Durr (French); R. A. Ede (Org. Chem.); R. J. Garner (Vet. Biochem.), apptd. Lectr. in Vet. Sci., Brist.; Cynthia F. H. Gee (Latin and Gk.); G. H. G. Harris (Appts. Bd.); Dr. W. Hewitt (Anat.); Dr. Marianne H. G. Heydorn (German); J. P. B. Hulin (French); Elaine B. A. Jackson (Asst. Librarian); B. E. Jennings (Org. Chem.); J. MacL. Keith (Mech. Engin.), apptd. Lectr., Huddersfield Tech. Coll.; J. L. Livesey (Mech. Engin.); B. F. Manistre (Geol.); F. R. Mobbs (Fluid Mechanics), apptd. Lectr., Leeds; G. E. Myers (Dent. Surg.); Mrs. Merle E. Myers (Student Welfare Officer); Dr. E. A. Nieman (Physiol.); J. G. Parr (Metall.), apptd. Res. Fellow, Br. Col. Res. Council; Dr. T. D. Reilly (Anat.); J. A. Shepherd (Surg.); G. B. Smith (Org. Chem.); Dr. J. Stirling (Bot.), apptd. Lectr. in Bot., Aberd.; J. F. Sudworth (Econ.); C. C. Taylor (Book-keeping and Trust Accounts); Elizabeth M. L. Waller (Med. Hist.); Dr. J. W. Warren (Phys.); Dr. H. Weiskopf (Physiol.); Joan Woodward (Soc. Sci.); D. B. Worthington (Psychol.), apptd. Vocational Officer, Manc.; Joan A. Wright (Soc. Sci.).

DEATHS. Sir Muirhead Bone (Hon. Grad.); W. J. W. Bruce (Hon. Grad.); A. I. Burrows (Warden of Inst. of Educn.); Most Rev. Dr. R. J. Downey, Archbp. of Liv. (member of Court from 1928 and member of Council, 1944–50); S. B. Freeman (Hon. Grad.); Dr. W. H. Grace (Lectr. in Forensic Med. from 1936); W. A. Harrison (rep. of Convocation on Court from 1950); E. Catherine Herdman (Hon. Lectr. in Zool. from 1930 and life member of Court); Alderman R. Lewis (member of Court); Prof. Emer. J. H. Orton (Derby Prof. of Zool., 1929–49); Prof. E. A. Peers (Gilmour Prof. of Spanish from 1922); Sir Frederick Radcliffe (Hon. Grad.); G. Rathbone (life member of Court named in Charter); A. L. Reade (Hon. Grad.); K. B. Vallance (Lectr. in Bot. from 1946).

HONORARY DEGREES. *LL.D.*—Sir Patrick Abercrombie, Prof. Emer. of Town Planning, Univ. of Lond.; Field-Marshal the Earl Alexander of Tunis, Minister of Defence; Col. V. E. Cotton, Sr. Pro-Chancellor; Sir John Stopford, Vice-Chancellor, Univ. of Manc.; Dr. C. Garbett, Archb. of York; Sir Edward Appleton, Pres. of British Assocn.; R. Birley, Pres. of Educn. Section, British Assocn.; Sir Harold Jeffreys, Pres. of Phys. Section, British Assocn. *LL.M.*—T. Alker, Town Clerk of Liv. *M.Com.*—J. Ainsworth, Liv. City Treasurer.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	2291	211
Women	679	37
Total	2970	248

Postgraduate students, 552 (449 men, 103 women).

First year admissions, 852 (624 men, 228 women).

Students (full-time) from other countries, 153. (Countries from which largest numbers came: India, 17; Thailand, 15; S. Africa, 10; U.S.A., 9; Norway, 9.)

DEGREES CONFERRED. Ph.D. (Arts), 4; M.A., 24; M.C.D., 23; B.A. with Hons. in Special Studies, 75; B.A. with Hons. in General Studies, 6; B.A. in General Studies, 70; B.Arch. with Hons., 14; B.Arch. Ord., 47; B.Com. with Hons., 2; B.Com. Ord., 10; D.Sc., 1; Ph.D. (Science), 38; M.Sc., 5; B.Sc. with Hons., 98; B.Sc. Ord., 82; M.D., 11; Ch.M., 2; Ph.D. (Med.), 2; M.Ch.Orth., 8; M.B., Ch.B. Ord., 82; B.D.S. Ord., 7; LL.M., 1; LL.B. with Hons., 13; LL.B. Ord., 16; Ph.D. (Engin.), 9; M.Eng., 5; B.Eng. with Hons., 31; B.Eng. Ord., 36; M.V.Sc., 2; B.V.Sc. Ord., 15.

DIPLOMAS AWARDED. Educn. with Distinction, 7; Educn., 89; Archit. with Distinction, 1; Archit. Ord., 4; Civic Design, 2; Public Admin., 11; Records and Admin. of Archives, 3; Public Health, 11; Trop. Med. and Hyg., 30; Radiol., 5; Licence in Dent. Surg., 17; Indust. Sociol., 4.

CERTIFICATES AWARDED. Italian, 1; Educn., 18; Soc. Sci., 28; Care of Children and Young Persons, 15.

[*Information compiled as at* 12/6/54:
Staff list revised on 11/10/54.]

UNIVERSITY OF LONDON*

Founded 1836

Postal Address: The Senate House, London, W.C.1, England.
Telegrams: University, London.
Telephone: Museum 8000.

VISITOR—H.M. THE QUEEN IN COUNCIL.

CHANCELLOR—The Rt. Hon. THE EARL OF ATHLONE, K.G., G.C.B., G.C.M.G., G.C.V.O., D.S.O., D.C.L. Oxon., LL.D., F.R.S.

VICE-CHANCELLOR—Professor H. R. ROBINSON, Ph.D. Camb., D.Sc. Manc., F.R.S.

CHAIRMAN OF CONVOCATION—P. DUNSHEATH, C.B.E., M.A. Camb., D.Eng. Sheff., D.Sc. (Eng.).

CHAIRMAN OF THE COURT—The Rt. Hon. Sir NORMAN BIRKETT, M.A., LL.B. Camb., LL.D.

PRINCIPAL—D. W. LOGAN, M.A., D.Phil. Oxon., D.C.L. W. Ont.

CLERK OF THE COURT—J. R. STEWART, M.A. Durh.

SECRETARY TO THE SENATE—J. HOOD PHILLIPS, M.A. Oxon.

ACADEMIC REGISTRAR—J. HENDERSON, B.Sc., M.A. Edin., Ph.D.

EXTERNAL REGISTRAR—L. E. BALL, O.B.E., B.Sc.

DIRECTOR OF DEPARTMENT OF EXTRA-MURAL STUDIES—A. MCPHEE, B.Com., M.A. Edin., Ph.D.

SECRETARY TO THE UNIVERSITY ENTRANCE AND SCHOOL EXAMINATIONS COUNCIL—J. G. JENKINS, B.C.L., M.A. Oxon.

GOLDSMITHS' LIBRARIAN—J. H. P. PAFFORD, M.A , F.L.A.

ACCOUNTANT—A. B. WATERFIELD, B.A.

SUPERINTENDENT OF EXAMINATIONS—R. B. P. WALLACE, LL.B., M.A. Camb.

ADMINISTRATIVE AND OTHER STAFF

Sec. to Appts. Bd.: H. R. Walters, M.C., T.D., B.Sc. (Eng.). Sec. to Athlone Press: W. D. Hogarth, O.B.E., M.A. Oxon. Maintenance Officer: J. H. James. Deputy Clerk of the Court: J. D. Angus, B.A. Lond. and Durh. Deputy Academic Registrar and Sec. to the Collegiate Council: G. Clark, B.Sc., M.A. Liv. Deputy Academic Registrar: A. Tattersall, M.A. Camb. Deputy External Registrar: R. L. Stear, O.B.E., T.D., B.Sc. Deputy Dir. (Extension), Dept. of Extra-Mural Studies: C. P. Thomas, B.A. Wales. Deputy Secs. to the Univ. Entrance and School Examns. Council: G. Bruce, M.A. Camb.; W. J. Dey, M.A. Durh. Deputy Librarian: D. T. Richnell, B.A. Camb., F.L.A. Deputy Supt. of Examns.: G. S. Congreve, B.A. Adviser to Overseas Students: Mary Trevelyan. Warden of University Union: D. J.

* Member of the Association of Universities of the British Commonwealth.

Wenden, M.C., M.A. Oxon. Lodgings Officer: Mrs. Leslie H. Shirlaw, B.A. Wardens of University Hostels: Prof. W. G. Beasley, Ph.D. (Connaught Hall); Nora J. Mitchelhill, B.A. (Canterbury Hall); Mrs. Elizabeth Osman, B.A. Oxon. (Nutford House).

SCHOOLS AND INSTITUTIONS

University teaching is organized under 3 categories: (1) conducted by the Univ. itself; (2) conducted by the several "Schools of the Univ."; (3) conducted at the other Institutions at which there are "Recognized Teachers of the Univ."

For the convenience of readers these have been divided in the following reference list into University Institutes; Non-Medical Schools; Undergraduate Medical and Dental Schools; Postgraduate Medical Schools; Institutions with Recognized Teachers.

For a more precise differentiation *see* the University of London *Calendar*.

University Institutes

Courtauld Institute of Art (p. 224).
Institute of Advanced Legal Studies (p. 226).
Institute of Archæology (p. 228).
Institute of Classical Studies (p. 230).
Institute of Commonwealth Studies (p. 231).
Institute of Education (p. 233).
Institute of Germanic Languages and Literatures (p. 238).
Institute of Historical Research (p. 239).
School of Slavonic and East European Studies (p. 240).
Warburg Institute (p. 242).

Non-Medical Schools

Bedford College (for women) (p. 244).
Birkbeck College (p. 249).
Imperial College of Science and Technology (p. 254).
King's College (p. 263).
London School of Economics and Political Science (p. 270).
Queen Elizabeth College (p. 277).
Queen Mary College (p. 279).
Royal Holloway College (for women) (p. 284).
Royal Veterinary College and Hospital (p. 287).
School of Oriental and African Studies (p. 290).
School of Pharmacy (p. 297).
University College (p. 299).
Westfield College (for women) (p. 315).
Wye College (p. 318).

Theological Schools (pp. 322-323)
*New College.
*King's College: Theol. Dept.
*Richmond College.
*London College of Divinity.

Undergraduate Medical and Dental Schools

Charing Cross Hospital Medical School (p. 324).
Guy's Hospital Medical School (p. 327).
King's College Hospital Medical School (p. 331).
The London Hospital Medical College (p. 335).

* Not in receipt of U.G.C. grants.

Middlesex Hospital Medical School (p. 339).
Royal Dental Hospital of London, School of Dental Surgery (p. 342).
Royal Free Hospital School of Medicine (p. 345).
St. Bartholomew's Hospital Medical College (p. 349).
St. George's Hospital Medical School (p. 352).
St. Mary's Hospital Medical School (p. 355).
St. Thomas's Hospital Medical School (p. 358).
University College Hospital Medical School (p. 362).
Westminster Medical School (p. 366).

Postgraduate Medical Schools

British Postgraduate Medical Federation (p. 369) :—
Postgraduate Medical School of London (p. 375).
Institute of Basic Medical Sciences (p. 375).
Institute of Cancer Research (p. 376).
Institute of Cardiology (p. 376).
Institute of Child Health (p. 376).
Institute of Dental Surgery (p. 377).
Institute of Dermatology (p. 377).
Institute of Diseases of the Chest (378).
Institute of Laryngology and Otology (p. 379).
Institute of Neurology (p. 379).
Institute of Obstetrics and Gynæcology (p. 380).
Institute of Ophthalmology (p. 381).
Institute of Orthopædics (p. 381)
Institute of Psychiatry (p. 382).
Institute of Urology (p. 383).

London School of Hygiene and Tropical Medicine (p. 384).

* Lister Institute of Preventive Medicine (p. 388).

**Institutions with Recognized Teachers*

University of London: Goldsmiths' College (p. 389).
Battersea Polytechnic (p. 389).
Chelsea Polytechnic (p. 389).
College of Estate Management (p. 389).
East Malling Research Station (p. 389).
Jews' College (p. 389).
John Innes Horticultural Institution (p. 389).
Maria Grey Training College (p. 390).
National Institute for Medical Research (p. 390).
Northampton Polytechnic (p. 390).
Northern Polytechnic (p. 390).
Rothamsted Experimental Station (p. 390).
Royal Academy of Music (p. 390).
Royal College of Music (p. 390).
Sir John Cass College (p. 390).
Trinity College of Music (p. 390).
West Ham College of Technology (p. 390).
Woolwich Polytechnic (p. 390).

* Not in receipt of U.G.C. grants.

GENERAL INFORMATION

The University authorities desire that it should be clearly understood that they can accept no responsibility for any information concerning examns. or procedure except such as is contained in the latest edition of their own official Regns. These can always be obtained on application at the Univ. offices.

The Univ. was constituted by Royal Charter in 1836 as a body empowered to grant degrees to students of approved institutions after examn. and, until 1900, its work was confined to the examn. of students. The system whereby entrance to its examns. was restricted to students of certain affiliated Colleges was abolished, except for examns. in Medicine, in 1858. In 1878 its degrees were thrown open to women, London being the first of the Univs. of Gt. Britain to adopt this policy.

In 1900 the Univ. was reconstituted so as to strengthen the ties between it and the institutions engaged in Higher Education within a radius of 30 miles. The Senate was empowered to admit as *Schools of the University* institutions, situated within the administrative county of London and not carried on for the private gain or profit of the owners, which provide education of Univ. standard, and was required to obtain reports at prescribed intervals on the efficiency of such schools. A special form of recognition could be given to an institution within the same area founded for research or the cultivation of any special branch of science or learning, and the Lister Institute of Preventive Medicine has been admitted in this category.

The two original Colls. of the Univ. have been incorporated in it, Univ. Coll. in 1907 and King's Coll. in 1910, by special Acts of Parliament.

Further changes in the constitution of the Univ. were made by the Statutes under the University of London Act of 1926. These Statutes came into force in March 1929. The most important change was the creation of a new body known as the Court, which is responsible for the finances of the Univ.

COURT. Under the Statutes, the Court has the custody, control and disposition of all the property, funds and investments of the Univ. and controls its finances. One of its most important duties is to apply for the grants for Univ. purposes to the University Grants Committee, the London County Council, Home Counties and other public bodies, and to distribute the sums so received between Univ. Institutes and those Schools which receive financial aid from the Univ. Prior to the reconstitution the Govt. grant had been allocated to Schools by the U.G.C.

The Court is also responsible for the development of the Univ. Precinct.

SENATE. Under the Statutes the Senate is the supreme governing and executive body of the Univ. in all academic matters. All *Appointed Teachers* at Schools of the Univ. are appointed by the Senate, which also has power to recognize as Teachers of the Univ. members of the teaching staff of certain approved public educational institutions, whether Schools of the Univ. or not. Matriculated students of Schools of the Univ. or those studying under such *Recognized Teachers* are eligible under certain conditions for registration as *Internal Students*, and are allowed, after pursuing Approved Courses of Study, to enter for the " Internal " examns. of the Univ. *External Students* may pursue their studies where and how they please, and are admitted, without any conditions as to attendance at Approved Courses (except in Med., Dental Surg., Pharm., Mining, Metall., Engin., Anat. and Archit.), after a period of Registration, to examns. for degrees in all subjects. The examns. for Internal and External students are in some cases separate, in others identical.

COMMITTEES OF THE SENATE. The 5 standing Cttees. are: the Academic Council, the Council for External Students, the Collegiate Council, the Council

for Extra-Mural Studies and the University Entrance and School Examinations Council. There are about 35 other Cttees. besides the 50 Bds. of Studies.

INCOME (1952–53). The total income of the Univ., including all its Schools and Institutions, for recurrent purposes for yr. ending July 31, 1953, was £8,991,974. (Treasury grants, 69·9 per cent.; grants from other Govt. Depts., 0·5 per cent.; grants in aid from Local Authorities, 3·7 per cent.; fees (including Ministry of Educn. Tuition Grants for Teachers in trg.), 12·8 per cent.; endowments for both particular and general purposes, 2 per cent.; donations and subscriptions, 1 per cent.; contributions for services rendered, 3·1 per cent.; other sources, 7 per cent.)

The UNIVERSITY LIBRARY is a general library including all subjects studied in the Univ., but it is specially strong in the humanities. It contains over 600,000 vols. and over 3000 current periodicals, and provides reading accommodation for nearly 400 readers and an extensive loan service for members of the Univ. Among its special collections are the Goldsmiths' Library of Econ. Lit. (*c.* 60,000 vols. and pamphlets); the Durning-Lawrence Library containing an important collection of books by and about Sir Francis Bacon and a good working library on Shakespeare including the four folios; the De Morgan Library of mathematical and astronomical books; the Quick Memorial Library of books on education, especially rich in old text-books for the schoolroom; the Harry Price Library of magical literature; and the Eliot-Phelips Collection of Spanish books and works on the history of Spain.

The Music Library contains books and periodicals on music, music scores, gramophone records and pianola rolls, and is equipped with audition rooms. The Photographic Department is equipped to produce photostats, microfilms, enlargements, reflex and diazo copies, and work is undertaken both for Institutes and members of the Univ. and also for those unconnected with the Univ.

Each School and Institution of the Univ. has its own Library, and some particulars of these will be found in the respective Yearbook entries below. For further details of the libraries of the Univ., see R. A. Rye: *Students' Guide to the Libraries of London*, 1927; R. Irwin: *The Libraries of London*, 1949; and L. M. Harrod: *The Libraries of Greater London*, 1951.

FACULTIES AND DEANS. *Arts*, Prof. E. H. Warmington (Birkbeck Coll.); *Economics and Political Science*, Dr. E. C. Rhodes (L.S.E.); *Engin.*, Prof. A. L. L. Baker (Imp. Coll.); *Laws*, Prof. T. F. T. Plucknett (L.S.E.); *Medicine*, Dr. C. F. Harris (Bart.'s); *Music*, Dr. W. Lovelock (Trin. C.M.); *Science*, Prof. J. G. Semple (King's Coll.); *Theology*, Rev. H. Roberts (Richmond Coll.).

TERMS for Univ. and Inter-collegiate courses, 1954–55: Oct. 6–Dec. 15; Jan. 12–March 23; April 27–July 6. 1955–56: Oct. 5–Dec. 14; Jan. 11–March 21; April 25–July 4.

DEGREES. B.D., M.Th., D.D.; B.A., M.A., D.Lit.; LL.B., LL.M., LL.D.; B.Mus., D.Mus.; M.B., B.S., M.D., M.S.; B.D.S., M.D.S.; B.Vet.Med.; B.Pharm.; B.Sc., M.Sc., D.Sc.; Ph.D. (in all Facs.).

The B.Sc. and D.Sc. are granted in the Facs. of Sci. (including Agric., Hortic., Vet. Sci., and, for Internal students, B.Sc. in Household Sci. and in Nutrition, superseding the former B.Sc. (Household and Social Science)), Engin., and Econ. (including Estate Management); the M.Sc. in Sci. (including Agric., Hortic., Vet. Sci., and, for Internal students, Household and Social Sci.), Engin. and Econ. (including Estate Management).

ADMISSION. Intending students who are suitably qualified (*see* Appendix I) must apply to the Sec. to the Univ. Entrance and School Examns. Council, on

Form M (obtainable from the Sec.), for a Statement of Eligibility. On being granted such a Statement they must apply to the School of their choice (*see* pp. 208-209) for admission. The admission of students, provided they satisfy University Minimum Entrance Requirements, is entirely a matter for the individual Schools. In all Faculties, except Theology and Economics, Faculty Requirements (*see* Appendix I) must also be satisfied.

EXTERNAL students for a Bachelor Degree take Intermediate *or* Preliminary and Final examns. at intervals prescribed in the Regns., and approximating (except in Med., Dental Surg., Archit. and Vet. Sc.) to 3 or 4 yrs. in all. All External students (except for the Intermediate overseas) are required to register, and all must previously have matriculated or must satisfy the minimum entrance and Fac. requirements of the Univ. at the time of first registration. Copies of all Regns. may be obtained from the External Registrar.

EXTERNAL EXAMINATIONS OVERSEAS. Certain of the examns. of the Univ. for External students are held not only in London and at Provincial centres within Great Britain, but also at centres in the Dominions and Colonies and in some foreign countries. The examns. in Theol., in Arts, in Laws, in Econ. and in Comm. have been held at about 156 overseas centres. The Examns. in Sci. have also been held under special arrangements at 30 overseas centres.

An INTERNAL student, before being allowed to enter as such for any examn. must, unless specially exempted, have attended courses in all the subjects thereof. For a first degree in any Fac. he must have completed an Approved Course of Study extending over at least 3 yrs. which must, ordinarily, have been continuously pursued, but not necessarily all at one institution. As a general rule, Hons. may be taken at the Final examns. A course of study extending over not more than 1 yr. taken in another Univ. approved for the purpose subsequently to a student's passing the Inter. may be accepted subject to regns. in lieu of a course taken in this Univ.

Any person who has passed the Inter. examn. as an *External* student may be allowed to take the Final examn. for the first degree after having attended as an Internal student an approved course of study for it extending over 2 or 3 yrs., as required by the Regulations, but in the case of those taking it after 2 yrs. the degree is not conferred till after a further yr.'s course of approved study.

Courses for Internal Degrees are held at the following :

Theology. King's College Theological Department, London College of Divinity, New College, Richmond College.

Arts. Courtauld Institute of Art, School of Slavonic and East European Studies, Bedford College (for women), Birkbeck College (for pt.-time students and some full-time postgraduate students), King's College, London School of Economics (*Anthropology, History, Geography* and *Sociology* only), Queen Mary College, Royal Holloway College (for women), School of Oriental and African Studies, University College, Westfield College (for women), Jews' College.

Architecture. University College.

Laws. King's College, London School of Economics, School of Oriental and African Studies, University College.

Music. Battersea Polytechnic, Royal Academy of Music, Royal College of Music, Trinity College of Music.

Medicine. Guy's Hospital Medical School, Middlesex Hospital Medical School, Royal Free Hospital School of Medicine, St. Bartholomew's Hospital Medical College, St. Mary's Hospital Medical School, St. Thomas's Hospital Medical School, and, with the exception of the first yr., Charing Cross Hospital

Medical School and the London Hospital Medical College. Courses for the First and Second Examns. for Med. Degrees are provided at King's College and University College, and students from those Colleges attend the clin. course at King's College Hospital Medical School, St. George's Hospital Medical School, University College Hospital Medical School or Westminster Medical School. Courses for the First Examn. for Med. Degrees are also held at Queen Mary College, Chelsea Polytechnic and Northern Polytechnic.

Dental Surgery. Guy's Hospital Medical School, King's College Hospital Medical School, London Hospital Medical College, Royal Dental Hospital of London School of Dental Surgery, University College Hospital Medical School.

Veterinary Medicine. Royal Veterinary College.

Pharmacy. School of Pharmacy, Chelsea Polytechnic.

Postgraduate. British Postgraduate Medical Federation (Postgraduate Medical School of London, Institute of Basic Medical Sciences, Institute of Cancer Research, Institute of Cardiology, Institute of Child Health, Institute of Dental Surgery, Institute of Dermatology, Institute of Diseases of the Chest, Institute of Laryngology and Otology, Institute of Neurology, Institute of Obstetrics and Gynæcology, Institute of Ophthalmology, Institute of Orthopædics, Institute of Psychiatry, Institute of Urology), London School of Hygiene and Tropical Medicine, Lister Institute of Preventive Medicine.

Science. Bedford College (for women), Birkbeck College (for pt.-time students and some full-time postgraduate students), Imperial College of Science and Technology, King's College, Queen Mary College, Royal Holloway College (for women), University College, London School of Hygiene and Tropical Medicine, Battersea Polytechnic, Chelsea Polytechnic, Northern Polytechnic, Sir John Cass College, West Ham College of Technology, Woolwich Polytechnic.

Agriculture and Horticulture. Wye College.

Household Science and Nutrition. Queen Elizabeth College.

Engineering. Imperial College of Science and Technology, King's College, Queen Mary College, University College, Battersea Polytechnic, Northampton Polytechnic, West Ham College of Technology, Woolwich Polytechnic.

Economics. Bedford College (for B.Sc. (Sociology) only), London School of Economics and University College.

Estate Management. College of Estate Management.

Courses for the Postgraduate Certificate in Education are held at the Institute of Education, King's College and Goldsmiths' College.

The following is a brief summary of the Regulations. There are many exceptions and exemptions in regard to which reference should be made to the latest edition of the *Regulations* published by the Univ.

ARTS. The following First Degrees are awarded: B.A. (General), B.A. Honours, B.A. Hons. in Architecture.

B.A. (General) and B.A. Hons. Normally not less than 3 yrs. Inter. examn. in 3 subjects, including 2 langs., of which one must normally be Lat. or Gk. Exemption from pt. or whole of the Inter. examn. may be granted under certain conditions. In the Final examn. for B.A. (General) degree 3 subjects must be taken. The B.A. Hons. degree may be taken in any one of the following branches: Classics, Gk., Lat., Hist., Hist. of Art, Geog., Maths., Philos., Psychol., Sociol., Dutch, English, French, German, Italian, Portuguese, Spanish, Scandinavian Langs., Czech and Slovak Lang. and Lit., Hungarian Lang. and Lit., Polish Lang. and Lit., Russian Lang. and Lit., Serbo-Croat and Slovene Lang. and Lit., Slavonic and E. European Regional Studies, Arabic, Classical Chinese, Mod. Chinese, Hebrew, Japanese, Mod. Japanese, Malay, Pali, Persian, Sanskrit, Tamil, Turkish; also Archit. and Celtic for External

students and, for Internal students, Anthropol., Bengali, Burmese, Gujarati, Hindi, Marathi, Sinhalese and Urdu. Candidates for B.A. Hons. degrees in certain subjects must also offer a subsidiary subject. The B.A. in Architecture course for Internal students extends over 5 yrs. Inter. examn. in 5 subjects, including 2 langs. of which one must normally be Lat. or Gk. Exemption from the Inter. examn. may be granted under certain conditions.

The following Higher Degrees are awarded: M.A., M.A. in Architecture, Ph.D., D.Lit. Admission to examns. for these degrees is confined to grads. of this or other Univs. Examn. for the M.A. degree may be by written papers and/or by thesis and oral examn. Examn. for the Ph.D. degree is by thesis and oral (examiners may require written and/or practical). Candidates for the D.Lit. degree must have previously obtained the M.A. degree or Ph.D. degree in the Fac. of Arts. The D.Lit. degree is conferred for original published work.

Diplomas. Internal: Academic Dipls. in Educn., 1 yr.; Geog., 2 yrs.; Hist. of Art, 2 yrs. postgrad.; Town Planning and Civic Archit. or Civic Engin., pt.-time, 2-3 terms. Academic Postgrad. Dipls. in Anthropol., Archæol. Colonial Studies, Comparative Philol., Phonetics, Psychol., 2 yrs.; Archive Admin., Librarianship, 1 yr. whole-time, 3-5 yrs. pt.-time; Postgrad. Certif. in Educn., 1 yr.; Dipl. in Fine Art, 3 yrs. External: Dipls. in Geog., Educn.; Postgrad. Certif. in Educn. For Dipls. in the Humanities, *see* Univ. Extension *below*.

SCIENCE. The following First Degrees are awarded: B.Sc. (General) (Old Regns.). Normally 3 yrs.; Inter. Examn. in Sci. in 3 or 4 subjects, which must include Maths. or Phys. or Chem. Final Examn. in 3 subjects selected from the following: Anat., Anthropol., Astron., Bot., Chem., Geog., Geol., Pure Maths., Appl. Maths., Military Studies, Phys., Physiol., Psychol., Stats., Zool. B.Sc. (General) (Revised Regns.): Normally 3 yrs. post-Intermediate prelim. qualifications., normally 3 specified subjects at G.C.E., including 2 at Advanced level; Pt. I of Final exam., taken after 1 yr., in 3 subjects selected from approved list; Pt. II of Final examn., taken 2 yrs. after completion of Pt. I, in 2 subjects selected from Bot., Chem., Geol., Human Biol., Phys., Physiol., Zool., Astron., Geog., Maths. (Pure & Appl.), Psychol., Pure Maths. and Stats. B.Sc. (Special), Old Regns. (operative in limited number of subjects only). Normally 3 yrs.; Inter. Examn. in Sci. as above; Final Examns. in one principal subject and an examn. in a subsidiary subject. B.Sc. (Special), Revised Regns. Normally 3 yrs. post-Intermediate; prelim. qualifications., normally 3 specified subjects at G.C.E. Advanced level or the equivalent. Final Examn. in the principal subject and examns. in 1 or more ancillary subjects. The subjects for B.Sc. (Special) are those for B.Sc. (General) with the exception of Military Studies. B.Sc. (Agriculture). Normally a 3-yr. course. Preliminary qualifications., 2 specified subjects at G.C.E. Advanced level or the equivalent; First Examn. in Phys. Scis. and Biol., Second Examn. in Econs. and Final Examn. in Crop Production, Animal Production and Rural Econ. B.Sc. (Horticulture). Normally a 3-yr. course. Inter. Examn. in 5 subjects. Final Examn., Pt. I: Principles of Hortic.; Pt. II: Practice of Hortic. B.Sc. (Nutrition). Normally a 3-yr. course. Prelim. qualifications., 3 specified subjects at G.C.E. Advanced level; Pt. I in Biol. and Phys., Pt. II in Chem., and Pt. III in Nutrition and Physiol. B.Sc. (Household Science). As for B.Sc. (Nutrition) except that Pt. II includes Physiol. also and Pt. III consists of Household Sci. and either Chem. or Physiol. B.Sc. (Veterinary Science). No further courses for this Degree, which is being replaced by B.Vet.Med., *see below*.

Exemptions may be granted, under certain conditions, from Inter. and ancillary subject Examns.

The following Higher Degrees are awarded: M.Sc., M.Sc. (Agriculture), Ph.D., D.Sc. The M.Sc. is obtainable by written examn., dissertation, practical and oral, or by some of these methods or by thesis and oral; the Ph.D. by thesis and oral. (Examiners may also require written and/or practical.) Admission to examns. for these degrees is confined to grads. of this or other Univs. D.Sc. candidates must already have obtained a Higher Degree in Sci. and must submit original published work.

Diplomas. Academic Postgrad. Dipl. in Bacteriol., 1 yr.; Academic Postgrad. Dipl. in Dietetics, about 1 yr.; Academic Dipl. in Geog., 2 yrs.; Academic Postgrad. Dipl. in Psychol., 2 yrs.; External Dipl. in Biol., 1 yr.; External Dipl. in Geog., 1-2 yrs.

THEOLOGY. *Intermediate*: Subjects: New Test. Gk., and 4 of following: Classical Gk., Elem. Hebrew, Lat., Anc. Hist., General Ethics, Ethics (set book), General Psychol., Psychol. of Religion. Exemptions: a degree in Arts of Univ. of London exempts from whole examn.; Inter. in Arts and Higher School Cert. (or G.C.E. at Advanced level) may carry exemption in particular subjects.

First Degree: B.D. Not less than 2 yrs. Final Examn. covers 5 compulsory subjects (Old Test., New Test., Bibl. and Hist. Theol., Church Hist., Philos. Introdn. to Theol.) and a selected subject.

Higher Degrees. M.Th. is open to those who have obtained Hons. at B.D., or a pass at B.D. with a pass at 2nd Class Hons. standard at a further qualifying examn. Candidates are examined in any *one* of the following 5 branches and may offer any further *two* branches, not more than one to be taken in any one yr.: Hebrew; Aramaic; Gk., New Test. and Apocrypha; Church Hist.; Bibl. and Hist. Theol.; Study of Religion.

D.D. Candidates must have obtained B.D. and passed M.Th. examn. in at least one subject, and must submit published work.

Diplomas: Academic Dipl. in Theol., 2 yrs. (also for External students).

LAW. *Intermediate*: Course extends over 1 yr. Subjects: Roman Private L., Constitutional L., English Legal System, Elements of L. of Contract. Exemptions: a pass in General Principles of English L. at B.A. (Gen.) exempts from Elements of L. of Contract.

First Degree: LL.B. Normally 2 yrs. The Final Examn. is in 2 pts. and candidates must normally pass Pt. I before entering for Pt. II. Pt. I consists of 4 selected papers. Pt. II consists of a paper on Jurisprud. and Legal Theory and 3 papers chosen from a list of 15 alternative subjects.

Higher Degrees: LL.M. Normally no candidate is admitted until 2 yrs. after passing the LL.B. Candidates are examined in 5 papers chosen from a list of 14, or in special cases may submit a dissertation and be examined in 3 papers. LL.D. Candidates must hold the LL.M. or the Ph.D. in the Fac. of Laws and must submit published work.

Diploma: Academic Postgrad. Dip. in Law, not less than 1 yr.

MEDICINE. First Degrees in Med. and Surg. The course for the M.B., B.S. degrees extends normally over 5½ yrs. The first Examn. for Med. Degrees (Chem., Phys. and Biol.) is taken after 3 terms. Inter. in Sci. or Higher School Cert. (or G.C.E. at Advanced level) may carry exemption from whole or part of First M.B. The Second Examn. for Med. Degrees (Human Anat., Physiol. and Pharmacol.) is normally taken 5 terms after passing the First Examn. The course for the Third (Final) Examn. for Med. Degrees extends over 3 yrs. and is divided as follows: Pt. I: Pathol.; Pt. II: Med., Appl. Pharmacol. and Therapeutics; Pt. III: Surg.; Pt. IV: Obstet. and Gynæcol. Pt. I may be taken after 30 mos.' course, but after completing the full 36 mos.'

clinical course a candidate must enter for all pts. of the examn. in which he has not already passed.

From the following institutions outside the U.K. and the Republic of Ireland, the Univ. of London accepts, subject to a yr.'s study in the U.K., certificates for the complete course of Medical education, including Clin. Med. and Surg. preparatory to the M.B., B.S. degrees for External Students : Univs. of Dalhousie, McGill, Toronto, Adelaide (with Infirmary), Melbourne (with Melb. and Alfred Hosps.), Sydney (with Infirmary and Prince Alfred Hosp.), New Zealand (with Dunedin Hosp.) ; following Indian and Pakistan Medical Colleges—Grant (Bombay), Seth Gordhandas Sunderdas (Bombay), Bengal (Calcutta), Lahore Univ. Med. Coll., Lucknow Univ., Madras Univ. Med. Coll. ; Univ. of Ceylon ; Univ. of Malta ; Sch. of Medicine, Cairo.

Higher Degrees in Medicine and Surgery. Ph.D. in Med. M.D. and M.S. under Revised Regns. : Pt. I may be taken not less than 2 calendar yrs. and Pt. II not less than 5 calendar yrs. after candidate has obtained M.B., B.S. degrees of the Univ. of London. (Exemption from Pt. I possible if appts. held in approved Institution for not less than 2 yrs.). Pt. II (thesis) 3 yrs. after completing Pt. I.

First Degree in Dental Surgery. The course for the B.D.S. normally extends over 5½ yrs. The following examns. are taken : First Examn. for Med. Degrees after 1 yr. ; Second Examn. in Dent. Surg. (General Anat., Physiol. and Special Anat.), 1 yr. after passing First M.B. ; Third Examn. in Dent. Surg. : Pt. I (Prosthetic Dent.), 1 yr. after passing Second B.D.S. ; Pt. II (Med. Surg., Pathol. and Bacteriol., Pharmacol. and Therapeutics), 28 mos. after passing Second B.D.S. ; Pt. III (Dent. Surg., Operative Dent. Surg. and Orthodontics), 3½ yrs. after passing Second B.D.S.

Higher Degrees in Dental Surgery. Degree of Master of Dental Surgery. A candidate must have obtained the B.D.S. of the Univ. of London as an Internal student, not less than 2 calendar yrs. previously. The Examn. consists of a General Examn. in Dent. Surg. and Pathol. and a Sp. Examn. in one of the following divisions which a candidate must select at the time he enters for the examn. : Clin. and Operative Dent. Surg. ; Oral Pathol. ; Oral Surg. and related Prosthetics ; Dent. for Children and Orthodontics. A candidate may submit a thesis embodying the result of his own independent res. At the discretion of the Examiners a candidate who submits a thesis may be granted exemption from the whole or part of the examn. (General and Sp.).

First Degree in Pharmacy. B.Pharm. The Final Examn. is in two pts. Pt. I is taken at the end of the 2nd yr.'s course, and includes Pharmaceutics, Pharm. Chem., Pharmacognosy and Pharmacol. Pt. II is taken at the end of the 3rd yr.'s course, and consists of any 2 of the following : Pharm. Chem., Pharmacognosy, Pharmacol., Genl. Pharmaceutics or Pharm. Engin.

Veterinary Medicine. First Degree in Vet. Med. The course for the B.Vet.Med. Degree extends over 5 yrs., 1 term. The Vet. Pre-Clin. Examn. Pt. I will be taken after 3 terms' study at the Royal Vet. Coll. and the Vet. Pre-Clin. Examn. Pt. II after a further 5 terms. The course for the Final Examn. for the B.Vet.Med. extends over 8 terms at the Royal Vet. Coll.

Diplomas. Academic Postgrad. Dipls. in Clin. Pathol. (also for External students), Pub. Health, Trop. Med. and Hyg., 1 yr. ; in Dietetics, 2 terms and 6 mos.' practical work ; Psychological Med. (Pt. I after not less than 6 mos.' course and Pt. II after a course of study extending over 3 academic yrs.). For Dipl. in Nursing, v. Extra-Mural Studies *infra*.

Music. The subjects for the Inter. examn. are Harmony and Counterpoint, Form and Analysis, and Hist. of Mus. For the B.Mus. examn. :

Harmony and Compn., Counterpoint and Canon, Fugue, Hist. of Music, Musical Analysis, Musical Exercise. Candidates for the B.Mus. must submit a musical exercise. For the D.Mus. there is a written examn. and a musical exercise.

ENGINEERING. The following Degrees are conferred in the Fac. of Engin.: B.Sc. (Eng.); B.Sc. (Eng.) in Chem. Eng.; B.Sc. (Eng.) in Metallurgy; B.Sc. (Eng.) in Mining; M.Sc. (Eng.); Ph.D.; D.Sc. (Eng.). The course of study for the Final Examn. for a Bachelor's Degree extends over not less than 3 yrs.* Before entry on a course of study for a Final Examn., Internal and External candidates must pass at main subject standard in Pure Maths. and Appl. Maths. [or Maths. (Pure and Appl.)], Phys. and Chem. at a Higher School Examn. *or* at Advanced level at a G.C.E. Examn. *or* at the Prelim. (Inter.) Examn. in Sci. or an approved equivalent. In Aeronautical, Civil, Elect. and Mech. Engin., a candidate who has so qualified in the three subjects, Pure Maths., Appl. Maths. and Phys., may qualify for admission to the course of study by passing in Chem. at Ordinary level at a G.C.E. Examn. A candidate who is appropriately qualified in 3 of the subjects, Pure Maths., Appl. Maths., Phys. and Chem., may be allowed to enter on the course and to complete the entrance qualifcns. by passing in the fourth subject before taking any part of the Final Examn.

The General Internal and External Final Examns. in *Engineering* and *Chemical Engineering* are divided into 2 pts., Pt. I of the latter being divided into 2 sections. The General Internal and External Final Examn. in *Metallurgy* is divided into 3 parts. The Sp. Internal Final Examns. in *Engineering* are divided into 3 pts., and there are two Sp. Internal Final Examns. in *Chemical Engineering*, one divided into 2 pts., the other into 3 pts. The External Final Examn. in *Mining* is divided into 3 pts. There are Sp. Internal Final Examns. in *Metallurgy and Mining*. The Sp. Internal Examns. are confined to students of certain Schools of the Univ.

Internal Candidates for the M.Sc. (Eng.) degree are required to have graduated in this or another Univ. at least 1 yr. before entry to the M.Sc. (Eng.) Examn., but graduates of other Univs. are debarred by Statute from proceeding direct to higher degrees as External students. The examn. is by thesis or dissertation and there is an oral examn. The Examiners may also require a written examn.

Save in exceptional circumstances, Internal and External candidates for the D.Sc. (Eng.) degree must have obtained in this Univ. the M.Sc. (Eng.) degree or Ph.D. degree in the Fac. of Engin. The Degree is awarded on the ground of published work which affords definite evidence that the candidate has initiated and conducted research in Engin. Sci. of such quality as has given him an authoritative standing.

ECONOMICS. First Degrees. The following are awarded: B.Sc. (Econ.) Revised Regns. Normally 3 yrs. Prelim. qualifcns.: Pass an Inter. Prelim. or First Examn. or possess a Higher School Certif. or a G.C.E. with 3 subjects at Advanced level. The Final Examn. is in 2 pts. and candidates must normally pass Pt. I before entering for Pt. II. Pt. I covers 7 compulsory papers (Principles of Econs., Appl. Econs., Pol. Hist., Econ. Hist., Elements of Govt., Hist. of Pol. Ideas and Elem. Statistical Method) and 2 alternative subjects chosen from a list of 10. Pt. II consists of 5 papers on a Sp. Subject chosen from a list of 13.

* External students are required to pursue the course at an Institution recognized for the purpose unless excused by reason of approved training and experience elsewhere.

B.Sc. (Soc.). Normally 3 yrs. Prelim. qualificns. : Pass an Inter. Prelim. or First Examn. or possess a Higher School Certif. or a G.C.E. with 3 subjects at Advanced level. A candidate who has obtained a B.A. Hons. degree in Sociol. will not be admitted. The Final Examn. consists of 10 papers on a group of subjects to be chosen from 3 groups. Candidates must also pass in Econ. as a subsidiary subject.

B.Sc. (Est. Man.) Old Regns. Last Final Examn. 1955. Normally 3 yrs. The Final Examn. is in 2 pts. Pt. I covers 3 subjects. Pt. II covers Appl. Econs. and a group of 4 subjects to be chosen from 2 groups. Revised Regns. normally 3 yrs. First Examn. in 4 subjects. No exemptions granted. Final Examn. consists of 11 papers chosen from either the Urban Group or the Rural Group of subjects. Course work must be submitted for both Examns.

Higher Degrees. The following are awarded : M.Sc. (Econ.), M.Sc. (Est. Man.), Ph.D., D.Sc. Admission to Masters' Degrees is normally 2 yrs. after passing the appropriate First Degree. For the M.Sc. (Econ.) candidates are examined in 1 subject to be selected from a list of 8 (4 papers or a dissertation and 2 papers). The M.Sc. (Est. Man.) Examn. consists of 2 papers on a selected, approved general subject and a dissertation on an approved special subject.

D.Sc. (Econ.). Candidates must hold the M.Sc. (Econ.) or M.Com. or Ph.D. in the Fac. of Econs. and must submit published work.

Diplomas. Dipl. in Pub. Admin., normally 2 yrs. ; Dipl. in Social Studies (Ext.), normally 2 yrs.

SCHEME OF SPECIAL RELATIONSHIP WITH COLONIAL UNIVERSITY COLLEGES. This Scheme enables certain Colonial Univ. Colls. during their transition to full Univ. status to enter their students for London degrees, awarded on the result of special examns. Syllabuses are adjusted to the geographical, linguistic and educational conditions of the territory. Close co-operation is maintained between the Univ. and the Colls. The following are at present admitted to the Scheme : Univ. Coll. of Khartoum ; Univ. Coll. of the West Indies ; Univ. Coll., Ibadan, Nigeria ; Univ. Coll. of the Gold Coast ; Makerere Coll., the Univ. Coll. of E. Africa.

MILITARY EDUCATION. Military Studies is one of the optional subjects for the Final B.A. and B.Sc. (General) examns.

The Univ. of London O.T.C. was constituted in 1909. The Corps has been renamed the Univ. of London Contingent of the U.T.C. (T.A.). Information from the Adjutant, U.T.C., Imperial Institute, S. Kensington, S.W.7. *Telephone* : Kensington 2482/3.

AIR SQUADRON. The Univ. of London Air Squadron was founded in 1935 by the Air Ministry with the assistance of the Univ. Authorities. Its main object is to promote a serious interest in flying and its allied subjects. Applications for membership should be addressed to the Sec., U. of L. Air Squadron, 48 Princes Gdns., S.W.7. *Telephone* : Kensington 6762.

POSTGRADUATE STUDY AND RESEARCH. In most of the Schools of the Univ. special arrangements are made for Research students, and the facilities offered are not restricted to Internal grads. of the Univ. External grads. and grads. of other approved Univs. are allowed, under certain conditions, to enter as Internal students for the degree of Bachelor or of Ph.D. in the several Facs., and for the degree of M.Th., M.A., LL.M. or M.Sc. Every candidate must submit evidence of graduation, etc., together with a certif. from the authorities of the School or Institution of the Univ. at which he proposes to study, stating that the student is, in their opinion, a fit person to undertake the proposed course of study and res., and that they are willing to supervise his work. An

overseas student may himself submit an applicn. on the prescribed form, and the Univ. will, if so requested, advise on the selection of the School or Institution at which, and Teacher under whom, he should study. Application for such advice should be addressed to the Academic Registrar. Overseas students should apply for registration before coming to London, and their applicns. should reach the Univ. if possible 12 months before the commencement of their course, and at the latest by March 1, to enable them, should their applicns. be successful, to enter upon their course of study in the following Oct., *i.e.* at the beginning of the session. Students whose applications are approved are required to pursue a course extending over at least 2 yrs.

An Internal student who is a candidate for the Ph.D. degree must have graduated in the Univ. or have been registered as a candidate for the degree after passing approved examns. for a degree in another Univ. An Internal student is further required to pursue a course of study of not less than 2 yrs.' full-time, or 4 yrs.' pt.-time, training in res. and res. methods. Any grad. of the Univ. may become a candidate for the Ph.D. degree in his first degree Fac. as an External student on receiving the approval of the Council for External students.

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II.

FEES. Registration (incl. matricn.), Internal: normal First Degree, 3 gs., Postgrad. and Advanced students, 5 gs.; External, 5 gs.; Final Examn. and Graduation—usually about 17 gs. (Med., 29 gs.) for first degree. Other Degree fees, 10 to 20 gs. Tuition, *see* the sections relating to the several schools.

ADVISORY SERVICE FOR EXTERNAL STUDENTS. Any External student who is duly registered for an External degree or dipl. and experiences any difficulty in connexion with the appropriate studies may apply to the External Registrar for guidance. Such guidance may take the form of detailed schemes of study or personal discussion with an Adviser.

ADVISER TO OVERSEAS STUDENTS. Students from outside the British Isles may obtain general information, advice on personal problems and in emergencies, from the Univ. of London Adviser to Overseas Students, 6 Gordon Square, W.C.1. *Telephone*: Langham 5035.

The COMMERCE DEGREE BUREAU exists to help in their studies External (especially extra-London) students proposing to take the Commerce Degree examns., or the examn. for the B.Sc. (Econ.) degree under the revised regulns., to provide a reference and lending library for students and generally to promote the value and usefulness of the degrees. The Bureau is administered by a Senate Cttee. Prospectus and enquiry forms obtainable on applicn. to the Sec., Commerce Degree Bureau, Senate House, W.C.1. *Telephone*: Museum 2843.

The UNIVERSITY APPOINTMENTS BOARD exists to obtain appts. for grads. *Postal Address*: Senate House, W.C.1. *Telephone*: Museum 6682/3.

RESIDENCE. (For Wardens *see* "Administrative and other Staff," p. 208.) Halls of Residence provided by the Senate: Canterbury Hall, Cartwright Gardens, W.C.1 (*Telephone*: Euston 5526), for 220 women students (fees, £110: 5s. and £120 per session of 30 weeks); Connaught Hall of Residence, 16-20 Torrington Square, W.C.1 (*Telephone*: Museum 6674), for 80 men students (fees, £90 to £120 per session of 30 weeks), and Nutford House, Brown Street, W.1 (*Telephone*: Ambassador 4431), for 160 women students (fees, £94: 10s. and £110: 5s. per session of 30 weeks). Other Hall of Residence

recognized by the Senate: College Hall, Malet Street, W.C.1, for 220 women students (fees, £110: 5s. and £126 per session).

Residence is also provided at or in connexion with the Inst. of Educn., Imperial Coll., King's Coll., London Sch. of Economics, Queen Mary Coll., Univ. Coll. and Wye Coll.; Bart.'s, Guy's, London, Middlesex, Univ. Coll. Hospl. Med. Schools and Westminster Med. School; the Theol. Colls. and the women's Colls. (see College entries). London House, Guildford Street, W.C.1, provides accomm. for 222 Commonwealth men students, including some from the U.K.

LODGINGS BUREAU, 28 Woburn Square, W.C.1 (*Telephone*: Museum 2818). Enquiries to be addressed to the Lodgings Officer.

UNIVERSITY UNION (founded 1921), 30-31 Woburn Sq., W.C.1 (*Telephone*: Museum 2757). The Univ. Athletic Ground is at Motspur Park, Surrey (*Telephone*: Malden 0661), and the Univ. Boat-House at Hartington Road, Chiswick.

DEPARTMENT OF EXTRA-MURAL STUDIES. The work of the Dept. is controlled by the Council for Extra-Mural Studies. The area of operation includes the Counties of London, Middlesex and Surrey, S.-W. Essex and S. Hertfordshire, and the County Boroughs of Croydon, E. Ham, W. Ham and Southend-on-Sea. The work is subdivided into 4 sections and the chief admin. officers of the Dept. are: Dir. of Dept.—A. McPhee, M.A., B.Com. Edin., Ph.D.; Academic Adviser for Tutorial Classes—H. C. Shearman, M.A. Oxon.; Deputy Dir. (Extension)—C. P. Thomas, B.A. Wales; Sec. for U.S. Summer Schools—A. M. Parker, M.A. Oxon.; Sec. for Tutorial Classes—F. G. Brook, B.Sc. (Econ.); Hd. of Vocational Dipls. Section—R. A. S. Knowles. In addition, there are 13 Staff Tutors as follows: W. Burmeister, B.A. Oxon.; G. Bush, M.A., D.Mus. Oxon.; J. P. Carruthers, M.A. Glas.; E. M. Eppel, M.A., Ed.B. Glas.; Mrs. M. Eppel, B.A., Ph.D.; H. Fyrth, B.Sc. (Econ.); Miss E. Monkhouse, B.A. Oxon., D. de l'U. Poitiers; S. Pickering, M.A. Camb.; L. Speak, M.A. Leeds; Miss L. M. G. Spencer, B.A. Oxon.; L. G. Stone, B.Sc. (Econ.); C. G. Stuttard, M.A. Camb.; J. R. Williams, B.A. Leeds.

(*a*) *Univ. Extension Courses* have been carried on by the Univ. since 1902 (prior to that, 1876–1902, by the London Soc. for the Extension of Univ. Teaching). The courses provided cover various depts. of Hist., Lit., Econ., Sociol., Religious Knowledge, and Internat. Affairs; and kindred subjects, *e.g.* Philos., Psychol., Ethics, Hist. and Criticism of the Arts, Soc. and Pol. Sci., and Nat. Sci. An examn. for certifs. may be held at the end of each Sessional course. Short courses (5 or 6 lectures) of a pioneer or illustrative kind are arranged. Continuous study over several yrs. is encouraged by the *Diplomas in the Humanities* (Hist., Lit., Econ., Sociol., Hist. of Art, Biblical and Religious Studies, Internat. Affairs, Visual Arts (study and criticism), awarded, under the Seal of the Univ., to students who carry on an approved co-ordinated course of study usually covering 4 yrs., and pass the required examns. Provision is made, where required, for post-dipl. study.

(*b*) *Tutorial Classes* have been provided since the W.E.A. estabd. in 1909 a close and harmonious relation with the Univ. The classes extend over 3 consecutive yrs., usually with a max. membership of 24 students. Sessional Classes and Advanced Classes lasting one session are also provided. There are no examns. but all students undertake to do written work on subjects periodically arranged with the tutor to suit individual needs. In the class the tutorial method of exposition and discussion is followed. The subjects include Art, Econ., Hist., Internat. Affairs, Lit., Music, Philos., Pol. and Psychol.

(*c*) 2 Annual Residential Summer Schools for Tutorial and Sessional Class

students and an annual Residential Summer School for Univ. Extension students are held at centres in the country. In addition, week-end and day schools are arranged for Tutorial and Extension students.

(*d*) An annual Residential Summer Course, lasting 6 wks., is held for U.S. grads. and undergrads. particularly, but also for suitably qualified students from the Commonwealth, Europe and elsewhere.

(*e*) An annual Residential Summer Course in English for Foreign Students, lasting 4 wks., is held. Special stress is laid upon Phonetic teaching. The course is designed to widen the students' knowledge not only of contemp. Engl. Lang. and Lit. but of English customs, institns. and art, by means of lectures, classes, visits, etc.

(*f*) The *Examination for the Certificate of Proficiency in Religous Knowledge* is held once a yr. in London, the Provinces and overseas.

(*g*) The *Examination for the Certificate of Proficiency in English for Foreign Students* * (for candidates whose mother-tongue is not English) is held each yr. The *Examination for the Certificate of Proficiency in English for Teachers of Foreign Students* (for English or foreign candidates) may be held in 1955 but will be abolished after that date.

(*h*) *Examinations for Certificates of Proficiency in Czech, Danish, Dutch, French, German, Hungarian, Italian, Norwegian, Polish, Roumanian, Russian, Serbo-Croat, Spanish and Swedish* are held in London.

(*i*) The *Examination for the Certificate of Proficiency in Diction and Drama* is held once a yr., and is open to qualified teachers and to other persons who have had appropriate experience in teaching or similar work, and who have taken a one-yr. full-time or two-yr. pt.-time course at Training Schools or Institutions approved for the purpose.

(*j*) The *Examination for the Certificate of Proficiency in Natural History* is held once a yr., and is open to teachers or other approved persons who have followed a sp. scheme of study, involving a directed course of reading, attendance at a Practical Course, field-work and essay.

(*k*) The *Examinations for the Diplomas in History*—General Hist., Mod. Hist. or Local Hist.; *Literature*—English Lang. and Lit. or General Lit.; *Economics*; *Sociology*; *History of Art*; *Biblical and Religious Studies*; *International Affairs*; and *Visual Arts*, study and criticism, are held once a year for students who have followed a recognized course of study for 4 yrs. as pt.-time students, or in special cases for a shorter period.

(*l*) The *Examn. for the Diploma in Dramatic Art* is held once a yr. in July, and is open to students whose general educn. satisfies the Council and who have studied at least 2 yrs., after attaining the age of 17 yrs., at Training Schools or institutions where courses have been approved. Under certain conditions, an additional third-year course for teachers may be taken.

(*m*) The *Examn. for the Diploma in Nursing* is held once a yr. in London, and is open to Registered Nurses whose general educn. satisfies the Council, subject to certain specified conditions with regard to Pt. B of the Examn. The *Examn. for the Sister-Tutor's Diploma* is held once a yr., and is open to Registered Nurses whose nursing experience and general educn. satisfy the Council and who have studied for at least 2 yrs. at training institutions where courses have been approved.

(*n*) *Examn. for the Diploma in Theology* is held once a yr. in London, the Provinces and overseas, and is open to students over 19 yrs. whose general educn. satisfies the Council.

* The Univ. of Cambridge Local Examinations Syndicate also awards a Certificate of Proficiency in English, v. p. 117.

(o) *Examn. for the Diploma in Public Administration* is held once a yr. in London, the Provinces and overseas, and is open to students holding a Univ. degree or an approved technical or professional qualificn. who have been engaged for at least 3 yrs. in pub. admin. work of an approved standard.

[*Further information and copies of the Regns. may be obtained from the Director of the Department of Extra-Mural Studies, University of London, Senate House, W.C.1.*]

SCHOOL EXAMINATIONS. The Univ. conducts examns. for the *General Certificate of Education*. The examn. is held in approved Secondary Schools and may also be taken by private candidates.

Subjects may be offered at Ordinary, Advanced and Scholarship levels, and the examn. is held at these 3 levels in June, and in Nov. at Ordinary and Advanced levels, when the entry of school candidates at Advanced level is subject to certain conditions. There are no Group requirements, and candidates may offer one or more subjects. The certif. is attested by the Minister of Education.

The Univ. is prepared to hold the examn. at schools and for Private Candidates overseas, provided that, in the case of schools in the Commonwealth and Empire, the application is received through the Govt. of the Dominion or Colony, or, in the case of schools in foreign countries, through H.M. representative.

Regns. are obtainable from the Sec. to the University Entrance and School Examinations Council, Univ. of London, Senate House, London, W.C.1.

OFFICIAL PUBLICATIONS. The following are obtainable from the University of London (Publications), Senate House, W.C.1:

The Calendar, 16s. incl. postage. *Gazette*, 9 issues per. yr.; annual subscription, 10s., single no., 1s. 2d., incl. postage. *Annual Report by the Principal. Examn. Papers*, published as soon as possible after the several Examns.; prices vary from 1s. 3d. to 3s. 6d.

Regulations. The following may be obtained on applicn. to the Central Office of the Univ.: Regns. relating to Univ. Entrance Requirements and Conditions of Matricn.; Regns. for Int. and for Ext. Students (published separately) for Degrees in Arts, Sci., Agric., etc.; for the various Dipls. and Certifs. in sp. subjects; for Ph.D. Degree; Scholarships pamphlet; pamphlets of *General Information* for Internal Students and for External Students.

The ATHLONE PRESS was established in 1950 with offices in the Senate House, its functions being to publish University lectures, the work of graduates of the University and of teachers of the University or of its Schools and Central Institutions, and such other works as the Board of Management may accept.

THE YEAR 1952–53

BENEFACTIONS (*see also* Benefactions to Schools and Senate Institutions). Hoover Ltd., £300 for studentship tenable in 1953–54; Goldsmiths' Company, £250; late G. F. Troup Horne, collection of books and some £600 for Library; First European Congress of Cardiology, £250 for purchase of pictures and silver for new Univ. Students' Union.

NEW POSTS. *Imperial Coll.*: Chair of Bot.; Chair of Thermodyn.; Readership in Phys.; *King's Coll.*: Readership in German; *L.S.E.*: Readership in Internat. Law; *Queen Elizabeth Coll.*: Chair of Nutrition; *Queen Mary Coll.*: Chair of Aeronaut. Engin.; *Sch. of Oriental and African Studies*: Chair of Oriental Laws; Readership in Hist. of India; *Westfield Coll.*: Chair of

English ; *Charing Cross Hosp. Med. Sch.* : Chair of Morbid Anatomy ; *London Hosp. Med. Coll.* : Pt.-time Readership in Forensic Med. ; *Royal Free Hosp. Sch. of Med.* : Readership in Chem. Pathol. ; *St. Bart.'s Hosp. Med. Coll.* : Readership in Biochem. ; *Westminster Med. Sch.* : Readership in Pathol. ; *Brit. Postgrad. Med. Fed.—Inst. Child Health* : Readership in Child Health ; *Inst. of Ophthalmol.* : Readership in Ophthalmol.

SOME SPECIAL LECTURES DELIVERED IN 1952–53. *Creighton Lecture*—" Some basic Factors in 19th-Century European History," by Prof. Sir Lewis Namier ; *Ethel M. Wood Lecture*—" Biblical Illustrated Manuscripts in England before A.D. 1100," by Prof. F. Wormald ; *Heath Clark Lectures*—Five lectures on " Landmarks in the History of Hygiene," by Dr. H. E. Sigerist ; *Sanderson-Wells Lecture*—" Soil and Food," by Prof. Sir James Scott Watson ; *Semon Lecture*—" Clinical Aspects of Respiratory Air Currents," by Dr. A. W. Proetz ; *Stamp Memorial Lecture*—" Economic Stability in the Modern World," by Prof. J. H. Williams.

HONORARY DEGREES. *D.Lit.*—Henry Moore, sculptor ; Prof. R. H. Tawney, Prof. Emer. of Econ. Hist. *M.A.*—A. V. Desclos, former Dir. of Collège Franco-Britannique, Paris. *LL.D.*—Sir Edward Bridges, Permanent Sec. to H.M. Treasury ; the Rt. Hon. the Earl of Scarbrough, Lord Chamberlain of H.M. Household. *D.Sc.*—Dr. H. E. Sigerist, Res. Assoc., Yale Univ., and former Prof. and Dir. of Inst. of Hist. of Med., Johns Hopkins Univ. ; Prof. Sir Edmund Whittaker, former Prof. of Maths., Edin. Univ. *D.Sc. (Eng.)*—Col. Sir Stanley Angwin, Chairman, Commonwealth Telecomm. Board.

STUDENT NUMBERS. Registered Internal Students for Session 1952–53 : 22,478 (16,989 men, 5489 women ; 17,774 full-time, 4704 pt.-time students). Included in this total are 3943 postgraduate students.

Students (full-time) from other countries, 3508. (Countries from which largest numbers came : India, 471 ; U.S.A., 228 ; Union of South Africa, 189 ; Canada, 187 ; Poland, 185 ; Egypt, 176 ; Nigeria, 170 ; Australia, 169 ; Pakistan, 120 ; New Zealand, 95 ; Iraq, 90 ; Ceylon, 87.)

Registered External Students for Session 1952–53 : 23,803. Inter. and Prelim. Examns. (Home) : 7601. Degree and Dipl. Examns. : Univ. Colls., 1564 ; Tech. Colls., 5384 ; Correspondence Courses, 2772 ; Private Study, 1232 ; Overseas, 1667. Colonial Univ. Colls. (Inter. and Final) : 708.

The number of full-time students in Schools of the Univ. and Senate Institutes (based on U.G.C. returns *) in 1952–53 : 18,199 (13,097 men, 5102 women) ; of these, 4311 were first-yr. admissions (2915 men, 1396 women).

INTERNAL DEGREES AWARDED. Arts : *First Degrees*, 785, *Master's Degrees*, 82, *Ph.D.*, 102, *Higher Doctorates*, 0 ; Econ. : 350, 16, 25, 0 ; Engin. : 542, 27, 43, 3 ; Laws : 140, 12, 4, 1 ; Med. : 717, 12, 20, 72 ; Music : 11, 0, 0, 0 ; Sc. : 1200, 130, 287, 14 ; Theol. : 27, 2, 2, 0.

EXTERNAL DEGREES AWARDED. Arts : *First Degrees*, 575, *Master's Degrees*, 15, *Ph.D.*, 8, *Higher Doctorates*, 1 ; Econ. : 505, 7, 1, 0 ; Engin. : 469, 5, 10, 2 ; Laws : 111, 2, 0, 0 ; Med. : 38, 0, 1, 7 ; Music : 1, 0, 1, 0 ; Sci. : 984, 24, 68, 2 ; Theol., 60, 2, 5, 0.

* *See* footnote to p. 6.

UNIVERSITY INSTITUTES

[*Information compiled as at* 20/5/54 ;
Staff list revised on 11/10/54.]

COURTAULD INSTITUTE OF ART

Founded 1932

Postal Address : 20 Portman Square, London, W.1, England.
Telephone : Welbeck 1388–9.

CHAIRMAN OF MANAGEMENT COMMITTEE—Professor L. C. ROBBINS, C.B., M.A. Oxon., B.Sc. (Econ.), F.B.A.

DIRECTOR—A. F. BLUNT, C.V.O., Ph.D., M.A. Camb.

DEPUTY DIRECTOR—J. WILDE, Ph.D. Vienna.

REGISTRAR—CHARLES CLARE.

LIBRARIAN—RHODA WELSFORD.

TEACHING STAFF

Art, History of

The Director Prof.
The Deputy Dir. Prof.
Whinney, Margaret, D.Lit., F.S.A. Reader.
Hohler, C., M.A. Oxon. Lectr.
White, J. E. C. T., Ph.D. Lectr.
Thomas, D. C. T., B.A. Asst. Lectr.

Chinese Art and Archæology

Hansford, S. H., M.A. Lectr.

Technology of Art, History of

..... Prof.
Rees-Jones, S. Lectr.

GENERAL INFORMATION

Opened to students Oct. 1933, as the result of a gift of £100,000 for bldgs. and partial endowment by Mr. Samuel Courtauld, and of gifts by Sir Joseph Duveen and Sir Herbert Cook. Other benefactions include a gift by the late Alderman J. G. Graves and the bequest of his estate by the late Mr. Norman Wilkinson of Four Oaks, with which a Scientific Dept. and Lab. have been established. A Univ. Dept. concerned with teaching and res. in the Hist. of Art, including both European and Oriental. For admission *see* p. 211 and App. I. Courses are provided leading to B.A. Hons. in Hist. of Art and to M.A. and Ph.D. in Hist. of Art and in Chinese Archæol., also to a Dipl. in both subjects. Res. students also accepted, and a number of lectures are given to which the general public are admitted. The present headquarters of the Inst., one of the finest examples of the work of the Brothers Adam, is also a gift from Mr. Courtauld. When the headquarters of the Inst. are moved to Bloomsbury, 20 Portman Sq. will remain the official residence of the Dir. and a centre for special studies.

FEES. For full-time students, £40 p.a. Fees for pt.-time students or for public lectures on applicn. to the Registrar.

LIBRARY. 19,900 vols. and 17,850 pamphlets, slide collection and Conway Library of reproductions. The Witt Library is now housed in the Institute at 20 Portman Square.

PUBLICATIONS. *The Bibliography of British Art*; *Prospectus*; in association with the Warburg Institute, *The Journal of the Warburg and Courtauld Institutes.*

THE YEAR 1952–53

NEW COURSES. A 1-yr. pt.-time Cert. course in Chinese Art and Archæol. instituted at beginning of session.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	33	48
Women	29	56
Total	62	104

Postgraduate students, 29 full-time; 22 part-time.

New admissions, 20 full-time; 25 part-time.

Students (full-time) from other countries, 21. (Countries from which largest numbers came: U.S.A., 11; Canada, 4.)

DEGREES AWARDED. B.A. Hons. Hist. of Art, 13: M.A. Hist. of Art, 1; Ph.D. Hist. of Art, 1.

DIPLOMAS AND CERTIFICATES AWARDED. Postgrad. Academic Dipl., 2; Inst. Cert. in Hist. of Art, pt.-time, 12.

[*Information compiled as at* 2/6/54 ; *Revised on* 11/10/54].

INSTITUTE OF ADVANCED LEGAL STUDIES

Founded 1948

Postal Address : 25 Russell Square, London, W.C.1, England.
Telephone : Museum 3232.

CHAIRMAN OF COMMITTEE OF MANAGEMENT—The Rt. Hon. Sir NORMAN BIRKETT, M.A., LL.B. Camb., LL.D.

DIRECTOR—Professor Sir DAVID HUGHES PARRY, M.A. Camb., D.C.L. McG., LL.D. Br. Col., New Br., Wales and W. Ont.

SECRETARY AND LIBRARIAN—K. HOWARD DRAKE, M.A. Camb.

GENERAL INFORMATION

The Inst. was establd. as pt. of the post-war expansion of the Univ. of London and occupies premises near the Senate House. Its aim is to act as a focal point for legal res., to provide seminar classes for students reading for higher degrees in law at a School of the Univ., and to build up a good working res. library in law. Teaching at the Inst. is undertaken by members of the law teaching staffs of Colls. and Schools in the Univ. with a Fac. of Laws, in addition to the Dir. of the Inst.

The Library now consists of about 36,500 books, some 5000 of which were bequeathed to the Univ. by the late Dr. Charles Huberich. The Inst. has acquired practically all U.K. law reports and Statutes and basic works, particularly those of use for seminar purposes. In addition, the Nuffield Foundation have generously made available £10,000 for the purchase of legal lit. relating to the Dominions and Colonies. Through this benefaction, the Inst. is making good progress towards the creation of a comprehensive library of British Commonwealth law. The U.S. section of the library is being considerably enlarged and many current U.S. periodicals not taken elsewhere in England are regularly received ; an attempt is being made to acquire earlier volumes as quickly as practicable.

The Inst. has collated particulars of legal res. undertaken in Britain and the Commonwealth, and is in a position to pass this information on to res. workers and other enquirers. An annual list of topics in progress is prepared.

Admission to the Inst. may be granted, without fee, to *teachers* of law in Univs. and Univ. Colls., both in the U.K. and overseas, and to teachers in other Law Schools who are qualified to become members of the Soc. of Public Teachers of Law ; to *postgraduate students* engaged on approved res., and to other Univ. students attending a class or seminar at the Inst. ; and to *other persons* by permission of the Dir.

Persons who already hold a res. degree or have published the results of their researches, or have had considerable training or practical experience in the law, may be admitted to the use of the Inst., either on payment of a fee, or without fee, if duly invited and willing to assist in the work of a seminar held at the Inst.

Postgrad. students, whether reading for a degree or dipl. or not, must

register at a Coll. or Sch. of the Univ. with a Fac. of Laws (viz. King's Coll., Univ. Coll., L.S.E. and the Sch. of Oriental and African Studies). When so registered, they will become eligible, on the recommendation of their teachers, for admission to the Institute.

PUBLICATIONS. *Annual Report* presented to the Senate; annual list of *Legal Research Topics* in British Univs. Library publications: No. 1, *A Survey of Legal Periodicals held in British Libraries* (1949); No. 2, *Union List of Commonwealth Law Literature in Libraries in Oxford, Cambridge and London* (1952).

THE YEAR 1952–53

The Library increased by 5891 books to a total of about 35,500 on July 31, 1953. The number of readers during the session was 200.

[*Information compiled as at* 18/6/54 ;
Staff list revised on 11/10/54.]

INSTITUTE OF ARCHÆOLOGY

Founded 1934

Postal Address : Inner Circle, Regent's Park, London, N.W.1, England.
Telegraphic Address : Instarch, London.
Telephone : Welbeck 1697.

CHAIRMAN OF MANAGEMENT COMMITTEE—S. W. WOOLDRIDGE, D.Sc., F.R.S.

DIRECTOR—V. G. CHILDE, B.A. Syd., B.Litt. Oxon., D.Litt. Harv., Oslo, D.Sc. Penn., F.B.A

SECRETARY—E. PYDDOKE, F.G.S.

TEACHING STAFF

A. of Roman Provinces

Wheeler, Sir Mortimer, C.I.E., M.C., D.Litt. Brist., D.Lit., M.A., F.B.A., F.S.A. Prof.

Environmental A.

Zeuner, F. E., Ph.D., D.Sc. Prof.

Indian A.

Codrington, K. de B., M.A. Camb. Prof.

Palestinian A.

Kenyon, Kathleen, M.A. Oxon., D.Lit., F.S.A. Lectr.

Prehistoric European A.

The Director Prof.

Western Asiatic A.

Mallowan, M. E. L., M.A. Oxon., F.S.A. Prof.

GENERAL INFORMATION

Equipment provided in the first instance for the study of the Archæol. of the British Isles and Nr. East, esp. of those countries for which Gt. Britain has had special responsibilities, such as Palestine, Mesopotamia, etc.

Teaching collections for British and Palestine archæol., notably the Petrie Palestinian collection, are available to students.

The Library contains 5000 books, some 2500 pamphlets and 5000 volumes of periodicals on British, European and Asiatic archæology. It is available to students and Institute members.

Instruction is given for the Dipls. in Archæol. of the Univ. of London, and for higher degrees in archæological subjects. Tuition is also provided in archæological technique, including excavation methods, the repair and preservation of archæological objects, draftsmanship, surveying and photography. Courses of lectures, open both to students and to the general public, are given in these subjects, on recent excavations both in the British Isles and the Nr. East, and on archæological methods.

PUBLICATIONS. *Prospectus* (free) ; *Annual Report* (5s.) ; *Occasional Papers.*

THE YEAR 1952–53

A course of 4 lectures on " Rome Beyond the Frontiers " given by Professor Sir Mortimer Wheeler and a course of 6 lectures on Geochronology given by Professor A. F. E. Zeuner ; additl. courses and demonstrations in practical technol. arranged and field trips to acquaint students with the monuments and environments of early man.

STUDENT NUMBERS.

	Full-Time	*Part-Time*	*Occasional*
Men	14	9	10
Women	11	7	24
Total	25	16	34

Postgraduate students, 40.

New admissions, 8 (Dipl. and Higher Degree).

Students (full-time) from other countries, 5 (1 each from Gold Coast, Australia, Canada, U.S.A. and Pakistan).

[*Information compiled as at* 9/6/54 , *Revised on* 11/10/54.]

INSTITUTE OF CLASSICAL STUDIES

Founded 1953

Postal Address : 50 Bedford Square, London, W.C.1, England.
Telephone : Museum 5228.

CHAIRMAN OF MANAGEMENT COMMITTEE—J. F. LOCKWOOD, M.A., Ph.D.

DIRECTOR—Professor E. G. TURNER, M.A.

LIBRARIAN—JOYCE E. SOUTHAN, B.A.

GENERAL INFORMATION

The objects of the Inst. are to promote the advancement of the study of the Classics ; provide opportunities for contacts between scholars in the Classical field, both within the Univ. and from other centres of learning at home and abroad ; and to arrange facilities for advanced study and research and for the training of postgraduate students in Classics and cognate subjects.

The Hellenic and Roman Societies are associated with the Inst. Both are housed in the same premises, and their libraries are complementary to each other. Together the two libraries number 35,000 vols. (including over 200 current periodicals) and form a first-class tool of classical res.

Free admission is granted to teachers and to postgrad. students of London Univ. and to sr. scholars from elsewhere by invitation. For teachers and postgrad. students from other Univs. the fees are 10s. for 3 mos., £1 for 6 mos., £2 a yr. The Inst. has no students except those registered in other schools of the Univ., and teaching at the seminars is done by teachers in those schools.

The Inst. plans to publish an annual *Bulletin* (to include a register of advanced res. in progress) and an *Annual Report*. The first are to appear in 1954. *Prospectus* (free).

[*Information compiled as at* 25/5/54 ; *Revised on* 11/10/54.]

INSTITUTE OF COMMONWEALTH STUDIES

Founded 1949

Postal Address : 27 Russell Square, London, W.C.1, England.
Telephone : Langham 7855.

CHAIRMAN OF COMMITTEE OF MANAGEMENT—Professor DAME LILLIAN PENSON, D.B.E., LL.D. Camb., Leeds, McG. and St. And., D.Lit. Belf., D.Litt. Sheff. and W. Ont., Ph.D.

DIRECTOR—Professor Sir KEITH HANCOCK, M.A. Oxon., D.Litt. Rhodes, F.B.A.

SECRETARY/LIBRARIAN—A. R. HEWITT.

RESEARCH OFFICER—ALISON M. H. SMITH, M.A. Oxon.

GENERAL INFORMATION

The Inst. was establd. in 1949 to promote advanced study of the Commonwealth. Its field of interest is primarily, but not exclusively, that of the social sciences. It encourages collaboration at postgrad. level between workers who are employing different techniques of res. in the study of Commonwealth problems. It provides a meeting-place both for postgrad. students and members of the academic staffs of Univs. and res. institutions in the U.K. and overseas countries of the Commonwealth. Seminars, usually of the " inter-disciplinary " type, are held for advanced students during the Univ. terms. Admission to them is on recommendation by supervisors of studies or at the discretion of the Dir. Evening discussion meetings are arranged during Univ. terms for members of staff and other specially invited persons.

LIBRARY. The library does not set out to compete with the great collections but selects material of special value for res. and postgrad. teaching. It places particular emphasis upon primary material relating to govt., econ. and social development, race relations and demography, and with this object it regularly acquires official publicns., stats., guides to archives, etc., of the U.K. and Commonwealth countries. It is also acquiring a good selection of sec. works on the development of the Commonwealth during the past century. It subscribes to periodicals of significance for the study of the Commonwealth.

A strong bibliographical section is being built up by the acquisition of bibliographies, indexes to periodical lit., guides and indexes to govt. and parliamentary papers of the U.K. and Commonwealth countries, and similar aids to res. A bibliography of bibliographies in the library, a union list of Commonwealth newspapers and a register of res. in progress and of deposited theses in London and other U.K. Univs. are maintained. It is hoped to assemble, so far as possible, material relating to res. being done in other parts of the Commonwealth.

FELLOWSHIPS. Under a scheme initiated and financed by the Carnegie Corp., British Commonwealth Fellowships are offered to sr. members of staff of Commonwealth Univs. who may spend a yr., wholly or in part, at either the Inst., the Royal Inst. of Internat. Affairs or St. Antony's Coll., Oxford. Fellowships are by invitation only.

ADMISSION. Particulars and forms of applicn. may be obtained from the Secretary/Librarian.

PUBLICATIONS. The Institute publishes an *Annual Report.*

THE YEAR 1952–53

FELLOWSHIPS. St. Antony's Coll., Oxford, became the third beneficiary under the Carnegie Corp. scheme. 4 Fellows were at work under the scheme during the yr.

RESEARCH. Work commenced on assembly of material for book of documents on *British Tropical Dependencies.*

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. The Dir. spent a term at the Inst. for Advanced Study, Prin. The Sec./Librarian visited Univs., Colls. and Insts. in the W. Indies, U.S.A. and Canada.

[*Information compiled as at* 18/6/54 ; *Staff list revised on* 11/10/54.]

INSTITUTE OF EDUCATION

Founded 1902

Postal Address : University of London Institute of Education, Malet Street, London, W.C.1, England.
Telephone : Museum 5525.

DIRECTOR—G. B. JEFFERY, M.A., D.Sc., F.R.S.

ADVISER TO OVERSEAS STUDENTS—A. S. HARRISON, M.Sc.

SECRETARY—GRACE M. WACEY, M.B.E.

DEPUTY SECRETARY—C. WILLIS DIXON, M.A. Durh., B.Litt. Oxon.

CLERK TO THE COUNCIL—KITTY M. EGAN, B.A.

REGISTRAR—CLARE J. HENRY.

LIBRARIAN—GERALDINE S. M. DE MONTMORENCY, F.L.A.

ADVISER TO TEACHERS—.....

CONSTITUENT DEPARTMENTS

Department of Education, King's College, Strand, W.C.2 (Hd. of Dept., Prof. A. V. Judges, B.A., D.Sc. (Econ.)). Training Department, Goldsmiths' College, New Cross, S.E.14 (Warden, Hd. of Training Dept. and Sch. of Art (teacher training course) : D. R. Chesterman, M.Sc., Ph.D.).

CONSTITUENT COLLEGES *

Avery Hill Training College, Eltham, S.E.9 (Frances Consitt, Ph.D., B.A., B.Litt.) ; Battersea Training College of Domestic Science, 58 North Side, Clapham Common, S.W.4 (Florence F. Laidler, M.Sc.) ; Borough Road College, Isleworth, Middx. (E. R. Hamilton, M.A., B.Sc.) ; Brighton College of Art and Crafts (teacher training course), Grand Parade, Brighton, 7 (E. A. Sallis Benney) ; Brighton Training College, 8 Eastern Tce., Brighton (Kathleen M. Balfern, B.A.) ; Catholic Training College, 11 Cavendish Square, W.1 (Mother Mary Fidelis, B.A.) ; Chelsea College of Physical Education, Denton Rd., Eastbourne (...:..) ; Coloma College, Wickham Court, West Wickham, Kent (Mother Mary Benignus) ; Dartford College of Physical Education, Dartford Heath, Kent (Edith Alexander) ; Digby Stuart College, Convent of the Sacred Heart, Roehampton, S.W.15 (Mother Mary K. Richardson, B.A.) ; Eastbourne Training College, Darley Rd., Eastbourne (Florence E. Ward, M.Sc.) ; Froebel Educational Institute, Grove House, Roehampton Lane, S.W.15 (Eglantyne M. Jebb, C.B.E., M.A.) ; Furzedown Training College, Welham Rd., S.W.17 (Catherine Fletcher, B.A.) ; Garnett College, 83 New Kent Rd., S.E.1 (C. Jameson, M.Ed., B.Sc.) ; Gipsy Hill

* Together with names of Principals.

Training College, Kenry House, Kingston Hill, Surrey (Frances D. Batstone, B.A.) ; Hornsey School of Art and Crafts (teacher training course), Crouch End Hill, N.8 (J. G. Platt) ; Manresa College, Roehampton, S.W.15 (Rev. W. Lawson, M.A.) ; Maria Assumpta Training College, 23 Kensington Square, W.8 (Mother Isabel Eugénie) ; Maria Grey Training College, 11 The Avenue, Brondesbury, N.W.6 (Mildred Cant, B.A.) ; National Society's Training College of Domestic Subjects, Berridge House, Fortune Green Rd., N.W.6 (Kathleen M. Perry, M.Sc.) ; National Training College of Domestic Subjects, 72-78 Buckingham Palace Rd., S.W.1. (Grace M. Eland, O.B.E.) ; Nonington College of Physical Education, Nonington, nr. Dover, Kent (Winifred A. Whiting, M.A.) ; Philippa Fawcett College, 94 Leigham Court Rd., S.W.16 (Freda Jarvis) ; Rachel McMillan College, Creek Rd., Deptford, S.E.8 (Mary Davies) ; St. Gabriel's College, Cormont Rd., Camberwell, S.E.5 (Phyllis V. McKie, D.Sc., Ph.D.) ; S. Katharine's College, Tottenham, N.17 (Agnes M. Ottley, M.A.) ; College of S. Mark and S. John, King's Rd., Chelsea, S.W.10 (H. C. Cooksey, M.A.) ; St. Mary's College, Strawberry Hill, Twickenham, Middx. (Very Rev. K. Cronin, M.A.) ; Seaford Training College for Teachers of Housecraft, Cricketfield Rd., Seaford, Sussex (Amy Teece, B.A.) ; Shoreditch Training College, Cooper's Hill, Englefield Green, Egham, Surrey (E. F. Marshall, M.A.) ; Southlands College, 65 Wimbledon Parkside, S.W.19 (Myra S. Johnson, B.A.) ; Stockwell College, The Old Palace, Bromley, Kent (Olive Lambert, M.A.) ; Trent Park Training College, Barnet, Herts. (H. A. T. Simmonds, M.A.) ; Westminster College, 130 Horseferry Rd., S.W.1 (Rev. H. T. Hughes, M.A.) ; Whitelands College, West Hill, Putney, S.W.15 (Mrs. Emily M. Williams, M.A.).

CENTRAL COLLEGE TEACHING STAFF

Professors

Lauwerys, J. A., D.Sc. Ghent, F.R.I.C. (Compar. E.).

Pattison, B., B.A. Durh., Ph.D. Camb., M.A. (Educn.).

Read, Margaret H., C.B.E., Ph.D., M.A. Camb. (E. with sp. ref. to E. in Colonial areas).

Reid, L. Arnaud, M.A., D.Litt. Edin., Ph.D. Wales (Philos. of E.).

Vernon, P. E., D.Sc., Ph.D., M.A. (Educnl. Psychol.).

Readers

Fleming, Charlotte M., Ph.D., M.A., Ed.B. Glas. (Educn.).

Gardner, Dorothy E. M., M.A. Leeds (Child Develt.).

James, H. E. O., M.Sc., B.A. Manc. (Psychol.).

Senior Lecturers

Balint, Edna, Ph.D., B.Sc. Manc. (Child Develt.).

Baron, G., Ph.D., B.A., M.Ed. Leeds (Contemp. Brit. Instns.).

Batten, T. R., M.A. Oxon. (Colonial E.).

Britton, J. N., M.A., (Engl.).

Cleugh, Mary F., Ph.D., B.A. (Dipl. for Teachers of Educationally Sub-Normal Children).

Daltry, C. T., B.Sc. (Maths.).

Davis, Joan A. M., M.A. (Curric. of Sec. Mod. Sch.).

Penfold, Mrs. Daisy M. Edwards, M.Sc., A.M. Col. (Stats.).

Elliott, A. V. P., M.A. Camb. (Engl.).
Emerson, L. H. S., M.A. Camb. (Engl. Educnl. Thought and Practice. Tutor to Oversea Students).
Floud, Mrs. Jean E., B.Sc. (Econ.) (Sociol. of E.).
Honeybone, R. C., M.A. (Geog.).
Kinchin Smith, F. J., M.A. Oxon. (Classics).
King, W. H., Ph.D., M.A., B.Sc. (Educn.).
Parker, B. N., M.A. (Mod. Langs.).
Sollis, C. G., M.A. Oxon. (Colonial E.).
Warden, Winifred M., M.Sc. Birm., F.L.S. (Biol. Sci. and Health E.).
Weitzman, Sophia, Ph.D. Manc., M.A., F.R.Hist.S. (Hist. and Hist. of E.).
Whaite, H. C., Slade Dipl. (Art.).
Wilshere, Phyllis N., M.A. Oxon. (Hist.).

Lecturers

Baggott, Doris I. (Colonial E.).
Barnard, G. L., B.A. (Engl.).
Bearman, Ethel C., M.A. Oxon. (Mod. Langs.).
Burston, W. H., M.A. Brist. (Hist.).
Cass, Joan E. (Child Develt.).
Chandler, Constance M., B.Sc. (Phys. Sci.).
Coppen, Mrs. Helen E., B.Sc. Pret. (New Media).
Evans, P. C. C., M.A. Wales (Colonial E.).
Gabriel, Olive M., A.T.D.
Gattegno, C., D.E.S. Marseilles, Dr.Phil. Basle, D. ès L. Lille, M.A. (Maths.).
Gilbert, M., M.A. Camb., B.A., B.Sc. (Econ.) (Mod. Langs.).
Gordon, Shirley C., M.A. (Hist.).
Gray, Mrs. Sylvia M., B.A. Pret. (Dipl. for Teachers of Educationally Sub - Normal Children).
Haskell, Mary L. (Child Develt.).
Henderson, J. L., M.A. Oxon. (Hist.).
Hodge, Barbara J., M.A. Camb. (Classics).
Hodgson, Mrs. Frances M., B.A. (Mod. Langs.).
Holland, T. R., M.A. R'dg. (Engl. Educnl. Thought and Practice).
Holt, Mrs. Frances M., Ph.D. Birm. (Biol. Sci.).
Koop, Geraldine W. (Art).
Langdon, Mrs. Eleanor M. (Child Develt.).
Lee, Doris M., Ph.D., M.A. (Maths.)
Long, Mrs. Iris L. M., M.A. (Geog.).
Martin, Nancy C., M.A., D.P.A. (Engl.).
Millburn, S., M.A. Oxon. (Colonial E.).
Moore, Mrs. Edith M., B.A. (Engl. and Relig. E.).
Mort, E. L., O.B.E., M.A. Oxon. (Colonial E.).
Noonan, J. A., D.Phil. Oxon. (Engl.).
Pheasant, Julia H., B.Sc., F.L.S. (General Sci.).
Roberson, B. S., B.Sc.(Econ.) (Geog.).
Speer, J. G., M.A. Oxon. (Colonial E.).
Spencer, Ann O. (Art).
Waddington, Mary, M.A. (Child Develt.).
Whitehead, F. S., M.A. Camb. (Engl.).
Wilson, J., M.A. Glas. (Colonial E.).

Research Psychologists

Hindley, C. B., B.Sc., M.B., Ch.B. Manc. (Child Develt.).
Moore, T. W., B.A. (Child Develt.).

Research Assistants

Gill, Mrs. Madge, B.A. (Colonial E.).

Lee, W. R., Ph.D. Prague, B.A. (Engl.).

Visiting Staff

Akehurst, R. (Bookbinding).
Breed, Hilda A. (Weaving).
Dawson, Molly (Speech Trg.).
Foster, A. W. A. (Music).
Fowles, J. A. (Lab. Arts).
Newland, W. R., A.T.D. (Pottery).
Underwood, R. G. (Phys. E.).
Williams, R. (Lab. Arts).

GENERAL INFORMATION

London Day Training Coll. was founded by the L.C.C. in 1902 as an institution in connexion with the Univ. working under the Regulns. of the Bd. of Educn. for the Trg. of Teachers. The first Principal (1902–22) was Prof. (later Sir) John Adams. From 1909 to 1932 the Coll. was a School of the Univ. in Pedagogy, and as such was governed by a Coll. Council composed equally of representatives of the L.C.C. and of the Senate. In 1932, as the result of an agreement between the Bd. of Educn., the L.C.C. and the Univ., the Coll. was transferred to the educnl. and financial control of the Univ., and its title was changed to " University of London Institute of Education." The Inst. was administered as a " central activity " of the Univ. by a Delegacy apptd. by the Senate, and composed of representatives of that body, of the L.C.C. and of the teaching staff, together with certain co-opted members. In 1938 the Inst. was transferred to the new bldg. on the Bloomsbury site provided by a sp. grant from the Council to the Univ.

In accordance with the Recommendation of the McNair Cttee. on the Trg. of Teachers and Youth Leaders, the Univ. of London Inst. of Educn. now comprises the Central Activity, two Constituent Depts. and 35 Constituent Colls. The Inst. of Educn. is the Area Trg. Organization for the Counties of E. Sussex, Essex (except Mid-Essex and N.E. Essex), Kent, London, Middx. Surrey and the County Boroughs of Brighton, Canterbury, Croydon, Eastbourne, E. Ham, Hastings, Southend and W. Ham. Its purpose is to advance the knowledge and practice of educn. by research, to encourage the Univ. study of educn., and to improve, co-ordinate, and extend the provision for the training of teachers within the area.

Students are trained under the Regulns. for the Training of Teachers (H.M. Stationery Office, Kingsway, London, W.C.2) for Primary and Secondary Schools. Grads. may devote themselves continuously for a yr. to the theory, etc., of Educn. and obtain the Univ. Postgrad. Certif. in Educn.

Particulars of the courses provided in the Constituent Depts. and Colls. may be obtained from the Sec., Institute of Education, Malet St., W.C.1. *Telephone*: Museum 5525.

Fees and Courses. The annual tuition fee for the following courses is £62 : 10s. : Postgrad. Certif. in Educn., Art Teacher's Certif., Sp. Colonial Course, Adv. Course in the Dept. of Child Develt., Dipl. in Engl. Educnl. Thought and Practice, Dipl. in the Methods of Teaching Engl. as a Foreign Lang., Dipl. in the education of handicapped children, with special reference to the needs of (*a*) educationally sub-normal or (*b*) maladjusted children, Dipl. in the Content and Methods of Health Educn., the Academic Dipl. in Educn., and the M.A. and Ph.D. courses in Educn.

" Recognized " students taking one of the following : Postgrad. Teacher's Certif., Art Teacher's Certif., the Dipl. in the Educn. of Handicapped Children with special reference to the needs of (*a*) educationally sub-normal or (*b*) maladjusted children, or the Adv. Course in the Dept. of Child Develt., under Ministry of Educn. Regulns. for the Trg. of Teachers, receive financial assistance towards fees and maintenance as set out in the current regulns.

An Associateship of the Inst. has been establd. and may be awarded to students who have completed at least one full session of work other than for a dipl. or higher degree in educn. Fee for the course, £62 : 10s. Applicns. for the award of the Associateship must be received not later than Dec. 1 in the session in which they are to be considered. A fee of 3 gs. must accompany each applicn.

RESIDENCES. College Rooms: 12-15 Bedford Way, London, W.C.1; 48-49 Coram St., London, W.C.1; 35 Gower St., London, W.C.1; 25/26 Woburn Square, London, W.C.1.

PUBLICATIONS. *Yearbook of Education* (publd. by Messrs. Evans Bros. in assocn. with this Inst. and Teachers Coll., Columbia Univ.). Obtainable from the Inst.: *Colonial Review, Studies and Reports*, Nos. I-XIV; *Studies in Education*, Nos. I-VI; *Studies and Impressions*. An annual *Handbook* of the Inst. is published; *Annual Report*.

THE YEAR 1952–53

RETIREMENT. Professor W. O. L. Smith.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	393	170
Women	387	119
Total	780	289

Postgraduate students, 951.

New admissions, 833.

Students (full-time) from other countries, 294. (Countries from which largest numbers came: British W. Africa, 47; India, 32; Pakistan, 15; British W. Indies, 22; Canada, 17; Australia, 10.)

DEGREES AWARDED. Ph.D. (Education), 5; M.A. (Education), 19; Academic Dipl., 59; Postgrad. Cert. in Educn., 354; Art Teacher's Cert., 57; Dipl in Engl. Educn. Thought and Practice, 12; Dip. in the Teaching of English as a Foreign Lang., 6; Dipl. for Teachers of Educationally Subnormal Children, 25; Associateship of Inst. of Educn., 19.

[*Information compiled as at* 20/5/54 ;
Revised on 11/10/54.]

INSTITUTE OF GERMANIC LANGUAGES AND LITERATURES

Founded 1950

Postal Address : 29 Russell Square, London, W.C.1, England.
Telephone : Langham 2711.

CHAIRMAN OF MANAGEMENT COMMITTEE—Professor W ROSE, M.A., Ph.D.

HONORARY DIRECTOR—Professor EDNA PURDIE, M.A. Liv., D.Lit.

SECRETARY/LIBRARIAN—R. PICK, Ph.D. Vienna.

GENERAL INFORMATION

The objects of the Inst. are to promote the advancement of the study of Germanic Langs. and Lits., to provide opportunities for contacts between scholars in the Germanic field, both within the Univ. and from other centres of learning at home and abroad, and to arrange facilities for advanced study and res. in the relevant subjects.

Membership is granted, without fee, to full-time teachers in Depts. of Germanic Langs. and Lits. of the Univ., postgrad. students engaged on res. in any of these depts., sr. scholars from other Univs., and other persons approved by the Dir. or the Cttee. of Management ; undergrads. are admitted for special purposes, such as attendance at seminars or courses held at the Inst.

There are no registered students, or teaching staff.

LIBRARY. A Reference Library is being built up, providing bibliographical and lexicographical material indispensable for res., and critical editions of German, Dutch and Scandinavian authors ; 35 periodicals are taken. Sp. Collections : (1) Priebsch Collection, consisting of 2500 vols. of first and early editions of German Classical and Romantic writers, and of translations from German. (2) Library of the English Goethe Soc., consisting of 377 vols. of Goetheana.

PUBLICATION. *Annual Report.*

THE YEAR 1952–53

In the third yr. of its existence the Inst. continued the various activities already established, acting as a centre of postgrad. studies and as a meeting-place for scholars in the Germanic field. 8 informal Colloquia were held during the session, of which a number were opened by scholars from abroad. The Library was further increased, particularly in some fields of special interest.

[*Information compiled as at* 28/5/54 ; *Revised on* 11/10/54.]

INSTITUTE OF HISTORICAL RESEARCH

Founded 1921

Postal Address: The Senate House, London, W.C.1, England.
Telephone: Museum 0272, 0273.

DIRECTOR—Professor J. G. EDWARDS, M.A. Oxon. and Manc., D.Litt. Wales and R'dg., F.B.A.

SECRETARY AND LIBRARIAN—A. TAYLOR MILNE, M.A.

GENERAL INFORMATION

The Inst. of Historical Research is one of the central institutions of the Univ. administered by a Cttee. apptd. annually by the Senate. The Inst. is primarily a laboratory for the trg. of postgrad. students in the methods of historical res., and for the use of visiting scholars while working in London. It consists of a systematically planned series of seminar libraries, equipped with the books containing or describing the main sources of British and foreign hist. The Inst. is open not only to teachers of hist. in the Univ. and their res. students, but also to approved historians, archivists, teachers and res. students from other Univs. Instrucn. is undertaken by the Dir. and members of the Hist. Depts. of the Schools of the Univ. It is normally carried on in (1) a series of prelim. courses dealing with the sources of British, Imperial and foreign hist., introductions to work in archives and palæography classes ; (2) a series of seminars dealing with sp. historical subjects. In addition, the Inst. is active in promoting the organization of historical studies in general, in undertaking bibliographical and other investigations, some results of which are published in its *Bulletin*, and in arranging conferences.

LIBRARY. 76,480 books, periodicals and pamphlets ; also maps, facsimiles, prints and drawings, and microfilms.

PUBLICATIONS. *Annual Report* ; *Bulletin* (twice a yr., subs. 15s.) with annual supplements recording " Historical Research for University Degrees in the United Kingdom," and occasional Sp. Supplements. *Victoria History of the Counties of England* (General Editor : R. B. Pugh, M.A. Oxon., F.S.A.), price 3 gs. or 4 gs. per vol. The Univ. publicn., *School of History and Institute of Historical Research*, serves as a handbook to the Inst.

THE YEAR 1952–53

ADMISSIONS AND COURSES. The no. of persons using the Inst. was 814, including 311 students reading for higher degrees. 37 postgrad. courses and seminars in Hist. were offered.

FELLOWSHIPS. 8 Res. Fellowships tenable at Inst. in 1953–54 were awarded, 3 to Lond. grads., the rest to grads. of Camb., Galway, McG., New Br., Oxon.

CONFERENCE. The annual Anglo-American Conference of Historians met at the Inst. from July 9 to 11, 1953.

[*Information compiled as at* 21/5/54; *Staff list revised on* 11/10/54.]

SCHOOL OF SLAVONIC AND EAST EUROPEAN STUDIES

Founded 1915 as a department of King's College, London; since 1932 a "Central Activity" of the University.

Postal Address: University of London, School of Slavonic and East European Studies, London, W.C.1, England.
Telephone: Museum 9782/3.

CHAIRMAN OF COUNCIL—Professor F. NORMAN, O.B.E., M.A.

DIRECTOR—G. H. BOLSOVER, O.B.E., Ph.D.

SECRETARY—DOROTHY GALTON.

LIBRARIAN—L. LOEWENSON.

TEACHING STAFF

Bulgarian

Pinto, V. de S. (Jr.), M.A. Oxon., Ph.D. Lectr.

Czechoslovak

Mann, S. E., M.A. Brist. Lectr.

History, Central European

Betts, R. R., M.A. Oxon. and Birm. Hd. of Dept. and Masaryk Prof.

Skwarczyński, P., LL.D. Cracow, Ph.D. Lectr.

History of Danubian Lands

Auty, Phyllis, M.A., B.Litt. Oxon. Lectr.

History of Eastern Europe, Economic and Social

Warriner, Doreen, O.B.E., B.A. Oxon., Ph.D. Lectr.

History, Russian

Seton-Watson, G. H. N., M.A. Oxon. Prof.

Keep, J. L. H., B.A., Ph.D. Lectr.

Hungarian

Cushing, G. F., M.A. Camb., Ph.D. Lectr.

Polish

Pietrkiewicz, J., M.A. St. And., Ph.D. Lectr.

Roumanian

Tappe, E. D., M.A. Oxon. Lectr.

Russian

Matthews, W. K., M.A. Manc., Ph.D. Hd. of Dept., Prof.

Malnick, Bertha, B.A. Camb., Ph.D. Reader.

Lecturers

Brodiansky, *Nina, B.A. Camb. (Lit.).

Hare, Hon. R., M.A. Oxon. (Lit.).

Hingley, R. F., M.A. Oxon., Ph.D.

Seeley, F. F., M.A. Oxon.

Russian Economic History

Crisp, Mrs. Olga, B.A. Asst. Lectr.

Slavonic Philology, Comparative

Nandris, G., Ph.D. Cracow Prof.

de Bray, R. G. A., B.A. Lectr.

Yugoslav

Javarek, Mrs. Vera, B.A., Ph.D. Lectr.

Panel of Additional Lecturers

Birnbaum, S. A., Ph.D. (E. European Jewish Studies).

Zernov, N., Ph.D. (Russian Church Hist.).

GENERAL INFORMATION

Established at King's Coll., 1915. Since Aug. 1932 a dept. of the Univ. in Arts. Library, 38,000 vols.

ADMISSION. See p. 211 and App. I. A student entering the School as an undergraduate will normally be required to have passed the G.C.E. Advanced level in Latin or Greek, the Slavonic lang. of his choice, and one other subject.

FEES. 4 gs. to 34 gs. per session.

COURSES. Teaching provided for first degrees in the lang., lit. and hist. of Russia and the countries of Eastern and Central Europe (excluding Germany). Special facilities for res. and postgrad. work.

PUBLICATIONS. *Slavonic and East European Review* (twice p.a.). *Prospectus* (each session).

THE YEAR 1952–53

STUDENT NUMBERS.

	Full-Time *	*Part-Time* *
Men	44	248
Women	23	37
Total	67	285

Postgraduate students, 61 (incl. part-time).

New admissions, 11.

Students (full-time) from other countries, 15. (Countries from which largest numbers came: U.S.A., 6; India, 2; Canada, 2.

DEGREES AWARDED. Ph.D., 4; M.A., 2; B.A. Hons. (Russian), 6; B.A. Hons. (Hist. Branch VI), 3.

* *Full-time Students* are those registered as such for Univ. degrees. Among *Part-time Students* are included 25 men and 10 women following courses leading to degrees of the Univ.; the remainder are "occasional" students following language courses in the School.

[*Information compiled as at* 28/5/54 ; *Staff list revised on* 11/10/54.]

WARBURG INSTITUTE

Incorporated 1944

Postal Address: Imperial Institute Buildings, South Kensington, London, S.W.7, England.
Telephone : Kensington 9008.

CHAIRMAN OF MANAGEMENT COMMITTEE—Professor EDNA PURDIE, M.A. Liv., D.Lit.

DIRECTOR—.....

ASSISTANT DIRECTOR—GERTRUD BING, Ph.D. Hamburg.

LIBRARIAN—O. KURZ, Ph.D. Vienna.

PHOTOGRAPHIC COLLECTION : CURATOR—L. D. ETTLINGER, Ph.D. Halle ; ADVISER—ENRIQUETA E. HARRIS, Ph.D.

TEACHING STAFF

History of the Classical Tradition
The Assistant Director Lectr.
Mitchell, C., M.A. Oxon. Lectr.

Comparative Literature
Yates, Frances A., M.A. Lectr.

History of Art
Buchthal, H., Ph.D. Hamburg Reader.
Gombrich, E. H. J., Ph.D. Vienna, M.A. Oxon. Reader.
Wittkower, R., Ph.D. Berl. Pt.-time Lectr.
Swarzenski, P. T. J., Ph.D. Bonn Pt.-time Lectr.

GENERAL INFORMATION

The object of the Inst. is to provide facilities for res. on the Character and Hist. of the Classical Tradition. Its scope includes the Hist. of Thought and Lit., of Religion and Sciences, of Social Institutions, the Arts, etc., and it covers the Western and Near Eastern civilizations. The *Library* contains about 100,000 vols. (including offprints) and 820 runs of periodicals. The *Photographic Collection* (about 200,000) includes sections on the survival of classical types, on mythol., symbolism, social activities, etc.

PUBLICATIONS. *Annual Report*; *Studies of the Warburg Institute*; *Corpus Platonicum Medii Aevi*; *The Journal of the Warburg and Courtauld Institutes*; *Mediæval and Renaissance Studies.*

THE YEAR 1952–53

STUDENT NUMBERS (Postgraduate).

	Full-Time	*Part-Time*
Men	1	..
Women	2	1
Total	3	1

One full-time overseas student (from Germany).

DEGREES. Ph.D. (Arts), 1.

NON-MEDICAL SCHOOLS

[*Information compiled as at* 28/5/54 ; *Staff list revised on* 11/10/54.]

BEDFORD COLLEGE *

Founded 1849; incorporated 1909

Postal Address : Inner Circle, Regent's Park, London, N.W.1, England.
Telegrams : Edforcoll, Norwest, London.
Telephone : Welbeck 5743.

PATRON—H.M. QUEEN ELIZABETH THE QUEEN MOTHER.

VISITOR—The Rt. Hon. THE VISCOUNT WAVERLEY, G.C.B., G.C.S.I., G.C.I.E., F.R.S.

CHAIRMAN OF COUNCIL—Sir PATRICK DEVLIN.

PRINCIPAL—NORAH L. PENSTON, B.A., D.Phil. Oxon.

SECRETARY—IRENE G. SHEPPARD, B.A.

REGISTRAR—NORAH MCNAULTY, B.A.

BURSAR—GWENDOLINE GRIFFITHS, B.Sc.

LIBRARIAN—DORIS BAINS, B.A., F.L.A.

TEACHING STAFF

Botany

Audus, L. J., M.A., Ph.D. Camb. Dean, Fac. of Sci., Hildred Carlile Prof.

Jones, W. Neilson, M.A. Camb. Emer. Prof.

Sharman, B. C., Ph.D. Leeds Lectr.

Rose, F., B.Sc., Ph.D. Lectr.

Menzies, Barbara P., M.Sc. N.Z., Ph.D. Camb. Asst. Lectr.

Bentley, Linna E., B.Sc. Manc. Asst. Lectr.

Chemistry

Turner, E. E., M.A. Camb., D.Sc., F.R.I.C., F.R.S. Prof.

Smith, J. W., D.Sc., F.R.I.C. Reader.

Lesslie, Mary S., M.A., B.Sc., Ph.D. St. And., D.Sc. Sr. Lectr.

Trew, Violet C. G., B.Sc., Ph.D. Sr. Lectr.

Harris, Mrs. Margaret M., B.Sc., Ph.D. Pt.-time Lectr.

Hall, D. Muriel, B.Sc., Ph.D. Lectr.

Goodall, Amy M., B.Sc. Asst. Lectr.

Longstaff, Jean V. L., B.Sc. Asst. Lectr.

Howlett, K. E., B.Sc., Ph.D., I.C.I. Res. Fellow.

Classics

Stevens, P. T., M.A. Oxon., Ph.D. Aberd. (Gk.) Prof.

* For women. (Men are admitted for postgraduate work.)

Onians, R. B., M.A. Liv., Ph.D. Camb.
(Lat.) Hildred Carlile Prof.
Cary, M., M.A., D.Litt. Oxon.
(Anc. Hist.) Emer. Prof.
Ehrenberg, V. L., Ph.D. Tübingen
(Anc. Hist.) Reader.
Andrewes, Margaret, M.A.
(Lat.) Sr. Lectr.
Holley, Nan M., M.A. Camb.
(Gk.) Lectr.
Wilkinson, Mrs. Gillian A., M.A. Camb. (Lat.) Lectr.
Ashworth, W. D., M.A. St. And., B.A. Oxon.
(Lat.) Asst. Lectr.
Szemerenyi, O., Ph.D. Bud.
(Gk.) Asst. Lectr.
Forbes, Kathleen M.
(Lat.) Asst. Lectr.

Dutch

Weevers, T., Lit.D. Leiden
(Lang. and Lit.) Dean, Fac. of Arts, Prof.
Huysinga, Aletta, Lit. Docta. Amst. Lectr.

Economics, v. Social Studies

English

Ellis-Fermor, Una M., M.A., B.Litt. Oxon., D.Lit.
(E. Lit.) Hildred Carlile Prof.
Thomas, P. G., M.A. Camb., M.A., Litt.D. Liv. Emer. Prof.
Tillotson, Mrs. Kathleen M., M.A., B.Litt. Oxon.
(E. Lit.) Reader
Hodgson, Phyllis, M.A. Camb., B.Litt., D.Phil. Oxon., B.A.
(E. Lang.) Reader.
Latham, Agnes M. C., M.A., B.Litt. Oxon. Lectr.
Britton, G. C., M.A. Birm. Lectr.
Ridley, M. R., M.A. Oxon.
Pt.-time Lectr.
..... Asst. Lectr.

French Language and Literature

Spink, J. S., M.A. Leeds, D. de l'U. Paris Prof.
Eccles, F. Y., M.A. Oxon.
Emer. Prof.
Legros, R. P., M.A. Edin. and Oxon. Reader.
Murray, Jessie, M.A. St. And., D. de l'U. Paris Reader.
Le Breton, Mrs. Eileen, L. ès L. Lille, D. de l'U. Paris, M.A.
Lectr.
Laycock, Mrs. Blanche E., L. ès L. Paris Pt.-time Asst. Lectr.
Duckworth, C. R., M.A. Birm.
Asst. Lectr.

Geography

Manley, G., M.A. Camb., M.Sc. Manc. Prof.
Smee, Dora K., M.A., Ph.D.
Sr. Lectr.

Lecturers

Timberlake, Eunice M., B.Sc.
Mountjoy, A. B., M.C., M.A. R'dg.
Vollans, Eleanor C., M.A., B.Litt. Oxon.
Buckley, Mrs. Cecily A., B.A. Camb. Asst. Lectr.

Geology

Hawkes, L., D.Sc. Durh., F.R.S., F.G.S. Prof.
Holland, C. H., B.Sc. Manc. Lectr.
Moss, A. J., B.Sc. R'dg.
Asst. Lectr.

German

Purdie, Edna, M.A. Liv., D.Lit.
Prof.
Walshe, M. O'C., M.A. Reader.
Atkinson, Margaret E., M.A.
Lectr.
Knight, Dorothy, M.A.
Asst. Lectr.

History, Mediæval and Modern

Penson, Dame Lillian M., D.B.E., LL.D. Camb., Leeds, McG., St. And. and So'ton., D.Lit. Belf., D.Litt. Sheff. and W. Ont., Ph.D. (Mod. Hist.) Prof.

Greaves, R. W., M.A., D.Phil. Oxon. Reader.
Tooley, Marion J., M.A. Sr. Lectr.

Lecturers

Du Boulay, F. R. H., M.A. Oxon.
Burton, I. F., B.A. Belf.
Lawrence, C. H., B.A. Oxon.
.....

Italian

Dionisotti, C., M.A. Oxon. Prof.
Thorne, Mrs. Elizabeth, Ph.D. Lectr.

Mathematics

Bailey, W. N., M.A., Sc.D. Camb., D.Sc. Manc., M.Sc. Prof.
Simpson, H., M.A., D.Sc. Oxon. Emer. Prof.
Clark, G. L., M.A., Ph.D. Camb. Reader.
Kneebone, G. T., M.Sc., Ph.D. Lectr.
Sargent, Winifred L. C., M.A., Sc.D. Camb., Ph.D. Lectr.
Taylor, R. G., Ph.D. Leeds Lectr.
Brown, Lily J. M., M.A. Edin., B.A. Camb. Asst Lectr.
Chalk, J. H., Ph.D. Asst. Lectr.

Philosophy

Acton, H. B., M.A., D.Phil. Oxon. Prof.
Macdonald, Margaret, M.A. Camb., Ph.D. Lectr.

Physics

Flint, H. T., M.Sc. Birm., Ph.D., D.Sc. Hildred Carlile Prof.
Wilson, W., Ph.D. Leip., D.Sc., F.R.S. Emer. Prof.
Little, V. I., B.Sc., Ph.D. Lectr.
Williamson, E. Marjorie, M.Sc., Ph.D. Lectr.
Mansfield, R., B.Sc., Ph.D. Lectr.
Manuel, A. J., B.Sc. Asst. Lectr.
Hill, Nora E., B.Sc., Ph.D. Asst. Lectr.

Physiology

Murray, Margaret, M.A., D.Sc. Prof.
Edkins, Mrs. Nora, D.Sc. Sp. Pt.-time Lectr.
Cheesman, D. F., Ph.D. Lectr.
Hilton, Mrs. Elizabeth L., M.Sc. Melb. Asst. Lectr.
Darlow, G., B.Sc. Asst. Lectr.
Bond, Audrey M., B.Sc. Demr.

Psychology

Harding, D. W., M.A. Camb. Prof.
Wynn Reeves, Joan, Ph.D. Lectr.

Assistant Lectrers

Forrest, D. W., B.A. Oxon.
Lawlor, Monica, B.A. (on leave).
Creasy, Monica A., B.Sc. (Statistics).

Social Studies and Economics

..... Prof.
Williams, Mrs. Gertrude, B.A. Manc. (Social Econ.) Reader.
Pinchbeck, Ivy, M.A., Ph.D. Sr. Lectr.
McGregor, O. R., B.Sc. (Econ.) Lectr.
Ilersic, A. R., B.Com., M.Sc. (Soc. Statistics). Lectr.
Rooff, Madeline M., B.A. Tutor.
McIntosh, Mrs. Marjorie, B.A. Oxon. Tutor.
Fletcher, R., B.A. Brist. Asst. Lectr.
Woodhouse, Mrs. Letitia Asst.
Wootton, Mrs. Barbara, M.A. Camb. Nuffield Res. Fellow.

Zoology

..... Prof.
Ince, Frances E., M.Sc. Sr. Lectr.
Gilchrist, Barbara M., B.Sc. Lectr.
Parry, Gwyneth D., M.Sc. N.Z., Ph.D. Camb. Asst. Lectr.
Green, J., B.Sc. Asst. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Dean of Reid Hall: .....; Dean of Lindsell Hall: Mary S. Lesslie, M.A., B.Sc., Ph.D. St. And., D.Sc.; Warden of Hanover Lodge: Mrs. Evelyn Stayt; College Matron: Mrs. Beatrice Craggs.

GENERAL INFORMATION

A School of the Univ. in Arts, Sci. and Econs. Founded in 1849 by Mrs. Elisabeth Jesser Reid at 47 Bedford Square, W.C.1, as an undenominational Coll. for women; men have been admitted as registered postgraduate students since 1946; moved to Baker St. in 1874 and to its present site in Regent's Park in 1913, when the new bldgs. were opened by H.M. Queen Mary. From 1878 students were prepared for the examns. of the Univ. of London, which had just opened its degrees to women. In 1900 the Coll. was recognized by the Univ. of London in the Facs. of Arts and Sci. and in 1912 the first Univ. Chair tenable at the Coll. was instituted in Maths. Further bldgs. were added after the 1914–18 war to accomm. increased nos. of students and in 1931 H.M. Queen Mary opened Tuke Bldg., designed for several of the Arts Depts. and providing labs. for the Depts. of Chem. and Phys. Academic development continued steadily, and by 1939 15 of the Depts., and by 1948 all Depts., were under the headship of Profs. of the Univ. From 1939 to 1944 the Coll. was evacuated to Cambridge, and during this period the bldgs. in London were seriously damaged by enemy action. The reconstruction of the war-damaged bldgs. started in 1947 and was completed in April 1952. In 1949 the Coll. celebrated its Centenary.

Students are prepared for all examns. of the Univ. of London in Arts and Sci., for the B.Sc. (Sociol.) degree in the Fac. of Econs. and for the Coll. Certif. in Social Studies.

CONSTITUTION. Governed by Governors and Council which includes representatives of the Univ., the L.C.C. and the College Staff.

FACULTIES AND DEANS (1953–54). *Arts*, Prof. T. Weevers (Dutch); *Science*, Prof. L. J. Audus (Bot.).

LIBRARY. 100,000 vols. (not including pamphlets).

LABORATORIES. Bot., Chem., Geol., Phys., Physiol., Psychol. and Zool.

OBSERVATORY. Grub 7-in. telescope, equatorially mounted.

ADMISSION. Minimum age for admission, 18. In addition to satisfying the Univ. entrance requirements (*see* p. 211 and App. I) candidates other than graduates must also pass the Coll. Entrance Examination.

FEES (inclusive annual) for Tuition: B.A.—1st yr., 42 gs., 2nd and 3rd yrs., 38 gs., 4th yr., 25½ gs. M.A.—15 gs. (for Hons. graduates of Coll., 8½ gs.). B.Sc.—1st and 2nd yrs., 53 gs., 3rd yr., 48½ gs., 4th yr., 35 gs. The B.Sc. fees are the same as the B.A. fees when no practical subjects are taken. M.Sc. and Ph.D. in Arts or Science, 21 gs. (for graduates of Coll., 15 gs.). Social Studies Cert., 38 gs. Union Society: £1 : 1s. Athletic Union: £1 : 6s.

FACILITIES FOR RESEARCH in all Depts.

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II.

GRADUATES' ASSOCIATION. Bedford College Old Students' Association.

STUDENT RESIDENCES. Reid Hall, Regent's Park, N.W.1 (*Telephone*: Welbeck 5743); £132 p.a.; 120 students. Lindsell Hall, 25-35 Adamson Rd., N.W.3 (*Telephone*: Primrose 2770); £115 : 15s. p.a.; 84 students. Hanover Lodge, 150 Park Rd., N.W.8 (*Telephone*: Ambassador 5163); £132 p.a.; 30 students. All residences for women only. Fees liable to alteration at any time.

STUDENTS UNIONS. Students' Union Society and Athletic Union.

PUBLICATIONS. *Calendar*, post free, 3s. 6d.; *Prospectus*, free; *History of Bedford College for Women, 1849–1937*, by M. J. Tuke (O.U.P., 1939; obtainable from Bedford College, 2s. 6d. post free); *Bedford News* (Students).

THE YEAR 1952–53

BENEFACTION Miss Marion Paterson, residue of estate (approx. £4000) for endowment of Scholps.

NEW POSTS. Lectureship in Soc. Statistics; Asst. Lectureship in Statistics; Asst. Lectureship in French.

VISIT BY MEMBER OF STAFF FROM OTHER UNIVERSITY. Prof. F. T. Bowers under Fulbright Scheme.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. L. J. Audus, Univ. Colls. of Achimota and Ibadad; Prof. Una M. Ellis-Fermor, Amst. U.; Prof. H. T. Flint, U.C. of Makerere; Prof. Dame Lillian Penson, Malta U., of whose Council she is a member; Dr. D. F. Cheesman, Munich U.; Prof. Manley, several American Univs.

DEATH. Miss B. Hosgood, Member of Staff 1917–48 and Governor 1948–53.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	26	5
Women	681	11
Total	707	16

Postgraduate students, 92.
New admissions, 220.
Students (full-time) from other countries, 53. (Countries from which largest numbers came: India, 9; Germany, 5; U.S.A., 4; S. Africa, 4; Thailand, 4.

DEGREES AWARDED. *Arts*: B.A., 121; M.A., 5; Ph.D. (Arts), 3; *Science*: B.Sc., 48; M.Sc., 2; Ph.D. (Sci.), 6; *Econ.*: B.Sc. Sociol., 6.

CERTIFICATES AWARDED. Bedford Coll. Cert., 24.

[*Information compiled as at* 14/6/54 ; *Staff list revised on* 11/10/54.]

BIRKBECK COLLEGE

Founded 1823

Postal Address : Malet Street, London, W.C.1, England.
Telephone : Langham 7941.

PATRON—H.M. QUEEN ELIZABETH THE QUEEN MOTHER.

PRESIDENT OF THE COLLEGE—The Right Hon. LORD JUSTICE DENNING.

CHAIRMAN OF THE GOVERNORS—Deputy A. KING-HAMILTON.

MASTER—J. F. LOCKWOOD, M.A. Oxon., Ph.D.

CLERK TO THE GOVERNORS—A. J. CARAFFI, B.Sc.

REGISTRAR AND SENIOR TUTOR—D. DAKIN, M.A. Camb., Ph.D., F.R.Hist.S.

LIBRARIAN—F. J. W. HARDING, M.C., M.A., B.Litt. Oxon.

TEACHING STAFF

Botany

Ingold, C. T., D.Sc. Belf., F.L.S. Prof.*
..... Reader.

Lecturers

Wilson, K., M.Sc., Ph.D.
Plunkett, B. E., B.Sc., Ph.D.
Alvin, K. L., B.Sc.
Cunnell, C. J., B.Sc.

Chemistry

Wardlaw, W., C.B.E., D.Sc. Durh., F.R.I.C. (Phys. C.) Prof.*
Barton, D. H. R., D.Sc., Ph.D., F.R.I.C., F.R.S. (Org. C.) Prof.
Ives, D. J. G., D.Sc., Ph.D., F.R.I.C. Reader.

Lecturers

Pittman, R. W., B.Sc., Ph.D.
Rigby, W., B.Sc., Ph.D.
Cookson, R. C., B.A., Ph.D. Camb.
Taylor, A. J., B.Sc., Ph.D.
Bradley, D. C., B.Sc., Ph.D.

Assistant Lecturers

Overton, K. H., B.Sc., B.Pharm.
Ladbury, J. W., B.Sc., Ph.D.
Shaw, R. A., B.Sc.
de Mayo, P., M.Sc., Ph.D.

Classics and Ancient History

Warmington, E. H., M.A. Camb., F.R.Hist.S. Prof.*
Webster, Amy M. D., M.A. Oxon. Reader.
Way, A. G., M.A. Lectr.
Caven, B. McM., M.A. Camb. Asst. Lectr.

Dutch

Weevers, T., Lit.D. Leiden Prof.*†
Huysinga, Aletta, Lit. Docta. Amst. Lectr.†

English Lang. and Lit.

Tillotson, G., M.A., B.Litt. Oxon. (Lit.) Prof.*

* Head of Dept.

† Pt.-time Lectr.

Daunt, B. Marjorie, M.A. Oxon. Sp. Lectr.

Lecturers

Freeman, Rosemary, M.A., Ph.D. Camb.
Brooks, H. F., M.A., B.Litt., D.Phil. Oxon.
Evison, Vera I., B.A.
Hardy, Barbara G., M.A.

Assistant Lecturers

Johnston, A., M.A. Oxon.
Russell-Smith, Joy D. M., B.A. Oxon.

French Language and Literature

Taylor, A. C., B.A. Syd., D. de l'U., D. ès L. Paris Prof.*
Ross, D. J. A., B.A. Camb., M.A., Ph.D. Reader.
..... Reader.

Lecturers

Aubry, Alice, L. ès L. Clermont-Ferrand, Ph.D.
Gould, Mrs. Marjorie, B.A.
Fearn, Marguerite-Liliane, L. ès L. Neuchâtel, B.A.
Curra, Henriette, M.A. St. And., B.A. Assistante.

Geography

East, W. G., M.A. Camb. Prof.*
Moodie, A. E. F., B.A., Ph.D. Reader.

Lecturers

Henderson, H. C. K., M.A., B.Sc. Glas., Ph.D.
Campbell, Eila M. J., M.A.
Dury, G., M.A., Ph.D.
Chandler, T. J., B.Sc. Asst. Lectr.

Geology

Dollar, A. T. J., Ph.D. Camb., B.Sc., F.G.S. Reader.*

Lecturers

Seager, A. F., B.Sc., Ph.D., F.G.S.
Simpson, A., B.Sc. Glas.
Titch, F. J., B.Sc. Asst. Lectr.

German

McClean, R. J., Dr.Phil. Königsberg, M.A. Prof.*

Lecturers

Robson-Scott, W. D., M.A. Oxon., Dr.Phil. Vienna.
Hamilton, Johanna, Dr.Phil. Bonn.

History

Darlington, R. R., Ph.D. R'dg., B.A., F.R.Hist.S., F.S.A. Prof.*
Ruddock, Alwyn A., B.A., Ph.D., F.R.Hist.S. Reader.

Lecturers

Dakin, D., M.A. Camb., Ph.D., F.R.Hist.S.
Hobsbawm, E. J., M.A., Ph.D. Camb.
Drus, Ethel, M.A. Cape T.
Saltman, A., M.A. Camb., Ph.D.

Assistant Lecturers

McGurk, P. M., M.A.
Gibbs, G. C., B.A. Liv.

History of Art

Lecturers

Pevsner, N. B. L., C.B.E., M.A. Camb., Ph.D. Leipzig, F.S.A.*†
Summerson, J., C.B.E., M.A., F.S.A.†
Murray, P., B.A.†

Italian

Bassani, A. M., D.Sc. Naples Lectr.*†

Mathematics, Pure and Applied

Offord, A. C., Ph.D. Lond. and Camb., D.Sc., F.R.S. Prof.*
Cooke, R. G., D.Sc. Reader.
Dowker, C. H., B.A. W.Ont., M.A. Tor., Ph.D. Prin. Reader.

* Head of Dept.

† Pt.-time Lectr.

Lecturers
Vermes, P., D.Sc.
Tiffen, R. W., M.Sc., Ph.D.
Edwards, R. E., B.Sc. Manc., Ph.D.
Ingleton, A. W., B.Sc., Ph.D.
Edge, J., B.A. Camb., B.Sc.

Assistant Lecturers
Kronheimer, E. H., M.A. Camb.
Gugenheim, V. K. A. M., M.A., D.Phil. Oxon.
Gattegno, C., D.E.S. Marseilles, Dr.Phil. Basle, D. ès L. Lille, M.A.†

Philosophy, Logic and Ethics
Saw, Ruth L., B.A., Ph.D. Reader.*

Lecturers
Peters, R. S., B.A. Oxon., B.A., Ph.D.
Hamlyn, D. W., M.A., Oxon.
Armstrong, D. M., B.A. Syd. Asst. Lectr.

Physics
Bernal, J. D., M.A. Camb., F.R.S. Prof.*

Readers
Fürth, R., Dr.Phil. Prague, F.I.P. (Theoret. P.)
Ehrenberg, W., Ph.D. Heidel., D.Sc., F.I.P.
Booth, A. D., Ph.D. Birm., D.Sc. (Computational Methods).

Lecturers
Siday, R. E., B.Sc.
Cusack, N. E., B.Sc., Ph.D.
Humphreys-Owen, S. P. F., Ph.D.
Carlisle, C. H., M.Sc. Luck., D.Phil. Oxon.
Jeffery, J. W., B.A. Camb., Ph.D.
Trent, P., B.Sc., Ph.D.
Jennings, J. C. E., B.Sc., Ph.D.
Michaelis, E. G., B.Sc., Ph D.
Butt, D. K., Ph.D. Edin., B.Sc.

Assistant Lecturers
Ehrenberg, Mrs. Marianne, M.Sc.
Mackay, A. L., B.A. Camb., B.Sc., Ph.D.

Psychology
Mace, C. A., M.A. Camb., D.Lit. Prof.*
Rodger, A., M.A. Camb. Reader.

Lecturers
Foss, B., M.A. Oxon. and Camb.
Veness, Thelma, B.A.

Assistant Lecturers
Hurwitz, H. M. B., B.A. Rand.
Brown, J., B.A. Camb.
Lee, S. G. McK., M.A. Natal.
Smith, May, O.B.E., M.A. Manc., D.Sc.†
Martin, F. M., B.A., Ph.D.†

Spanish
Sage, J. W., M.A. Lectr.*†
Salazar, A. M., Ldo en Historia Sev. Asst. Lectr.

Zoology
Bullough, W. S., Ph.D., D.Sc. Leeds Prof.*

Lecturers
Hughes, T. E., M.A. Oxon.
Mittler, T. E., B.Sc.

Assistant Lecturers
Griffiths, I., M.Sc. Wales.
Whittington, B., Ph.D. Sheff.
Laurence, B. R., B.Sc. R'dg., Ph.D. (on Natnl. Service).
Clements, A. N., B.Sc. Brist.
McGee-Russell, S. M., B.A. Oxon.

ADMINISTRATIVE AND OTHER STAFF

Bursar, J. W. Spershott; Deputy Librarian, Norah H. Evans, B.A., F.L.A.; Deputy Registrar, Eleanor M. Robertson; Maintenance Officer, Mrs. P. M. Costello.

* Head of Dept. † Pt.-time Lectr.

GENERAL INFORMATION

Founded by Dr. George Birkbeck in 1823 "for the purpose of giving education to students in the principles of the Arts they practise, and in the various branches of Science and useful knowledge." The principal aim of the College is to enable men and women engaged in full-time occupations during the day to employ their leisure in reading for first degrees in Arts and Pure Science or to engage in research with a view to taking higher degrees in these Faculties. While the College is primarily intended for evening and part-time students, undergraduates may in their final year be admitted to full-time study and postgraduate students wishing to devote the whole of their time to their researches are also accepted.

FACULTIES AND DEANS. *Arts*, B. Marjorie Daunt (Engl.); *Science*, Prof. C. A. Mace (Psychol.).

LIBRARY. General Library, 50,000 vols. R. C. Trevelyan Memorial Library, 4500 vols.

ADMISSION. *See* p. 211 and App. I.

COURSES. Complete courses for first degrees in Arts and Science and for the Academic Postgrad. Dipl. in Psychol.

ADVANCED STUDIES. Research facilities are offered to full-time and part-time students in the Departments of both Facs.

FEES. Annual Composition fees, including subscription to Students' Union: Arts (including Maths. in both Facs.), £11. Sci. (incl. Geog. and Psychol. in both Facs.), £13 : 10s. Postgrad. work, evening and pt.-time, £5-£11 whole time, £7 : 10s.- £22, according to Fac. and Degree.

PUBLICATIONS. *Prospectus* (post free); *Calendar*, 2s. 6d.; *Report* (annual); *Haldane Memorial Lecture*, 1s. 6d.; *Foundation Oration*; *Inaugural Lectures*, 1s. 6d.; *Inter-Faculty Lectures*, 1s. 6d.; *Lodestone*, 6d. (Students, terminally); Delisle Burns, *History of Birkbeck College*, University of London Press, 1924 (copies may be obtained from the Coll.).

THE YEAR 1952–53

BENEFACTIONS. Friends of late R. Trevelyan, his library of 4500 vols. and a bronze head; British Electricity Authority, £6300 over 3 yrs. for investigation in Dept. of Phys.; British Empire Cancer Campaign, £800 to assist res. of Prof. W. S. Bullough, Dept. of Zool.; D.S.I.R., £1572 for res. in Dept. of Phys.; Glaxo Labs. Ltd., £1785 over 3 yrs. for work in Dept. of Chem.; I.C.I. Ltd., £450 for purchase of special apparatus for Dept. of Chem.; Ministry of Labour, £400 in support of work in Dept. of Psychol.; Ministry of Supply, £1475 to Dept. of Chem.; Nuffield Foundation, (i) £1876 for res. in Dept. of Phys., (ii) provision for 2 Nuffield Res. Fellows and grant of £2200 p.a. for investigation of biomolecular structure of proteins and viruses; Organon Labs. Ltd., £1800 over 3 yrs. for fundamental res. in Dept. of Zool.; Res. Assocn. of British Flour-Millers, £3000 over 3 yrs. for studies in Dept. of Phys.

NEW BUILDING. The new College building was formally opened by H.M. Queen Elizabeth the Queen Mother on April 28, 1953.

ANNIVERSARY. The 129th anniversary of the foundation of the Coll. was celebrated on December 2, 1952, when the oration was given by G. F. Troup Horne, who spoke on "Birkbeck."

OTHER EVENT. The 20th Haldane Memorial Lecture delivered by the Rt. Hon. Lord Justice Denning on "The Rule of Law in the Welfare State."

VISITORS FROM UNIVERSITIES ABROAD. Prof. H. Cartan (Sorbonne), Prof. G. de Rahm (Lausanne), Prof. P. Fallot (Collège de France).

RESIGNATIONS. D. M. Jones (Classics), apptd. Prof. of Classics at Westfield Coll.; Dr. P. Mayer (Psychol.), apptd. to Chair of Soc. Anthropol., Rhodes Univ.; G. E. M. de Ste-Croix (Classics), apptd. to Fellowship at New Coll., Oxon.; Dr. R. H. Cummings (Geol.), apptd. Lectr. in Glas. U.; L. B. Rosenbaum (Maths.).

DEATHS. H.M. Queen Mary, Patron of the Coll. since 1920; G. F. Troup Horne, Sec., 1919–52; Dr. C. E. M. Joad, Reader in Philos. and Hd. of Dept. of Philos., 1930–53.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	60	978
Women	27	423
Total	87	1401

Postgraduate students, 383.

New admissions, 490.

Students (full-time and part-time) from other countries, 59. (Countries from which largest numbers came: India, 15; British W. Africa, 12; British W. Indies, 9; U.S.A., 8; Egypt, 6.

DEGREES. *Arts*: B.A., 98; M.A., 12; Ph.D. (Arts), 8. *Science*: B.Sc., 66; M.Sc., 21; Ph.D. (Sci.), 21; D.Sc. 1.

DIPLOMAS. Academic Postgrad. Dipl. in Psychol., 6.

[*Information compiled as at* 3/6/54 ; *Staff list revised on* 11/10/54.]

IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY

Founded 1907

Postal Address: Prince Consort Road, S. Kensington, London, S.W.7, England.
Telephone: Kensington 4861.

VISITOR—H.M. THE QUEEN.

CHAIRMAN OF THE GOVERNING BODY—The Rt. Hon. THE VISCOUNT FALMOUTH.

RECTOR—.....

PRO-RECTOR—Professor H. H. READ, Hon. D.Sc. Col., D.Sc., F.G.S., F.R.S.

DEAN OF THE ROYAL COLLEGE OF SCIENCE—Professor R. P. LINSTEAD, C.B.E., A.M. Harv., D.Sc., Ph.D., F.R.S.

DEAN OF THE CITY AND GUILDS COLLEGE—Professor A. J. S. PIPPARD, M.B.E., D.Sc., F.R.Ae.S., F.R.S.

DEAN OF THE ROYAL SCHOOL OF MINES—Professor D. WILLIAMS, D.Sc., Ph.D., B.Eng., D.I.C., F.G.S.

CLERK TO THE GOVERNORS (Secretary of the Imperial College)—G. C. LOWRY, O.B.E., T.D., M.A. Camb.

ASST. SECRETARY AND REGISTRAR—E. F. CUTCLIFFE, M.B.E., B.A. Oxon.

FINANCIAL SECRETARY—J. M. CORIN, B.A. Camb.

TEACHING STAFF

Aeronautics

Squire, H. B., M.A. Oxon. Zaharoff Prof. and Hd. of Dept.
Hadji-Argyris, J., D.E. Munich Reader.

Lecturers

.....
Fink, P. T., B.Eng. (Ae.) Syd.
Irving, F. G., M.Eng. Liv., D.I.C.
Kelsey, S., B.Sc. (Eng.).
Fraenkel, L. E., M.Sc.
Jackson, G., M.A. Camb., D.I.C.
Langley, M., F.R.Ae.S. Sp. Lectr.

Bacteriology, v. Bot.

Biochemistry, v. Bot.

Biology, v. Bot., Zool.

Botany

Gregory, P. H., D.Sc., D.I.C. (Plant Pathol.) Prof. and Hd. of Dept.
Gregory, F. G., D.Sc., D.I.C., F.R.S. (Plant Physiol.) Prof.

Buston, H. W., D.Sc., D.I.C. (Biochem.) Reader.
Jacobs, S. E., D.Sc. (Bacteriol.) Reader.
Howarth, F., B.Sc., F.L.S. Sr. Lectr.

Lecturers

Pratt, Clara A., M.A. Camb., Ph.D., D.I.C., F.L.S.
Rutter, A. J., Ph.D.
Wood, R. K. S., B.Sc., Ph.D.
Levy, J. F., B.Sc.
Lacey, Margaret S., D.Sc.
Spanner, D. C., B.Sc.
Heath, O. V. S., D.Sc., Ph.D., D.I.C. Sp. Lectr.
Russell, J., B.Sc., Ph.D.

Assistant Lecturers

Mount, Sheila M., B.Sc., Ph.D.
Smieton, Margaret J., B.Sc.
Stedman, Kathleen, B.Sc.
Dadd, A. H., Ph.D.

Chemical Engineering and Applied Chemistry

Newitt, D. M., M.C., D.Sc., Ph.D., D.I.C., F.R.S. Courtaulds Prof. of Chem. E. and Hd. of Dept
Ubbelohde, A. R. J. P., D.Sc. Oxon., F.R.S. (Thermodynamics) Prof.
Himus, G. W., Ph.D., D.I.C., F.I.F. (Fuel Technol.) Reader.

Lecturers

Barrett, L. R., M.A., B.Sc. Oxon., M.S. Ill.
Wilman, H., Ph.D., D.I.C., F.I.P.
Burgoyne, J. H., D.Sc., Ph.D., D.I.C.
Richardson, J. F., B.Sc. (Eng.).
Strickland-Constable, R., M.A., D.Phil. Oxon.
Haselden, G. G., Ph.D.
Anderson, G. H., B.Sc.
Weale, K. E., Ph.D.
Minkoff, G. J., Ph.D., D.I.C.
Bett, K. E., B.Sc. Asst. Lectr.
Snowden, P., B.Sc. Demr.

Chemistry

..... (Inorg. C.) Prof., Dir. of Inorg. and Phys. Chem. Labs.
Linstead, R. P., C.B.E., A.M. Harv., D.Sc., Ph.D. (Org. C.) Prof. and Dir. of Org. C. Labs.
Barrer, R. M., Sc.D. Camb. (Phys. C.) Prof.
Eldridge, A. A., B.Sc., F.R.I C. Asst. Dir.

Readers

Theobald, L. S., M.Sc., F.R.I.C. (Analyt. C.).
Tompkins, F. C., D.Sc., Ph.D. Brist. (Phys. C.).
Welch, A. J. E., Ph.D., D.I.C. (Inorg. C.).
Braude, E. A., D.Sc.
Owen, L. N., D.Sc., F.R.I.C.

Senior Lecturers

Eldridge, A. A., B.Sc., F.R.I.C. (Inorg. C. and Food and Drugs).
Pollard, A. G., B.Sc., F.R.I.C.
Roberts, E. R., Ph.D., D.I.C.
Kitchener, J. A., Ph.D.

Lecturers

Carlton, Margaret, Ph.D.
Hannen, J. T., M.A.
Weedon, B. C. L., Ph.D., D.I.C.
Elvidge, J. A., Ph.D., D.I.C.
Bockris, J. O'M., Ph.D.
Herringshaw, J. F., Ph.D.
Atkinson, B., Ph.D., B.Sc.
Cullis, C. F., M.A., D.Phil. Oxon.
Cornfield, A. H., Ph.D., D.I.C.
David, I., B.Sc.
Hills, G. J., Ph.D.
Jacobs, P. W. M., M.Sc.
Crombie, L., Ph.D.
Dalziel, J. A. W., B.Sc.
Jackman, L. M., Ph.D. Adel.

Assistant Lecturers

Newitt, E. J., B.Sc.
Thomas, P. J., Ph.D.
Peacock, R. D., Ph.D., B.Sc.
Prosser, A. P., B.Sc.

Waight, E. S., Ph.D., D.I.C.
Smith, P. W. G., Ph.D., B.Sc.
Whalley, Margaret, Ph.D.
Young, L., M.A., Ph.D.

Engineering, Civil

Pippard, A. J. S., M.B.E., D.Sc., F.R.Ae.S., F.R.S.
Prof. and Hd. of Dept.
Baker, A. L. L., B.Tech.
(Concrete Technol.) Prof.
White, C. M., D.Sc. (Eng.), Ph.D.
(Fluid Mechanics and Hydraulic Engin.)
Prof

Readers

Skempton, A. W., M.Sc. (Eng.), D.I.C.
Sparkes, S. R., M.Sc. Brist, Ph.D., D.I.C.
Stephenson, A., O B.E., M.A. Camb.
Manton, B. G, B.Sc. (Eng.), D I.C.
Bruce, F. E., M.Sc. (Eng.).
Ashby, R. J., M.Sc. (Eng.), D.I.C.

Lecturers

Wolf, P. O., B.Sc. (Eng.).
Francis, J. R. D., B.Sc. (Eng.)
Ainsworth, H, M.A. Camb.
Bishop, A. W., M.A. Camb.
Chitty, Letitia, M.A., D.I.C., F.R.Ae.S.
Henderson, J. C. de C., D.I C.
Leach, O. W. F.
Jowitt Fox, G. T., B.E.
Flint, A. R., Ph.D., B.Sc
Brown, E. H., B.Sc.
Henkel, D. J., B.Sc.
Makowski, Z. S., Dip.Eng. Warsaw.
Mattock, A. H., M.Sc.
Cassell, A C., B.Sc. (Eng).
Asst. Lectr.

Engineering, Electrical

..... Prof. and Hd. of Dept.

Readers

Gabor, D., Dr.Ing. Berl.
Cherry, E. C., D.Sc. (Eng.).
Adkins, B., M.A. Camb.
Humphrey Davies, M. W., M.Sc. Wales.

Senior Lecturers

Urwin, C. R.
Hopkin, D. W.
Tombs, D. M., M.Sc. (Eng.), D.I.C.

Lecturers

Kayser, H D., M.Sc.
Park, H. E.
Rutenberg, D., B.Sc.
Jackson, E. H T.
Boothroyd, A. R, B Sc.
Lamb, J., Ph.D., M.Sc.
Prigmore, B. J., M.A. Camb.
Westcott, J. H., B.Sc.
Brown, J., M A. Edin.
Bright, A. W., Ph D.
Carpenter, C J, M Sc
Roberts, J., B.Sc. (Eng.).
Wardrop, K. W., B.Sc. (Eng.).
Mortlock, J R, Ph.D. Sp. Lectr.
Saxton, J. A., Ph.D. Sp. Lectr.
Page, H., M Sc. Sp Lectr.

Engineering, Mechanical

Saunders, O. A., M.A. Camb., D.Sc. (Eng.), F.I.P.
Prof. and Hd. of Dept.
Ford, H., D Sc. (Eng.), Ph.D.
(Appl. Mech.) Prof.

Readers

Heywood, H., D.Sc. (Eng.), Ph.D.
Glaister, E. E., Ph.D., M.Sc. (Eng.), D.I.C.
Smith, A. C., B.Sc.
Spalding, D. B., B.A. Oxon., Ph.D. Camb. (Appl. Heat).

Senior Lecturers

Dyson, F., B.Sc. (Eng.).
Collins, W., B.Sc. (Eng).
Cawley, G. M.
James, J. W., Ph.D., D.I.C.

Lecturers

Lewitt, E. H., Ph.D.
Hoyle, R. D., B.A. Camb.
Treharne, T. L. G., B.Sc. (Eng.).
Chalk, J. T., M.Sc.

Coleman, J. D., M.Sc.
Moore, N. P. W., B.Sc. (Eng.).
Grootenhuis, P., B.Sc. (Eng.).
Cole, E. H., B.Sc. (Eng.).
Tyler, R. D., B.Sc. (Eng.).
Benham, P., M.Sc. Belf.
Dallender, J. A., B.Sc. (Eng.).
Peerless, S. J., B.Sc.
Turner, C. E., B.Sc.
Ellis, F., B.Sc. Asst. Lectr.

Special Lecturers
Rowell, H. S., O.B.E., D.Sc.
Pepper, K. W., Ph.D., B.Sc.

Entomology, v. Zoology

Fuel, v. Chemical Engin. and Applied Chemistry

Geology
Williams, D., Ph.D., M.Sc., B.Eng., D.I.C., F.G.S.
(Mining Geol.) Prof., in charge of Admin. Geol. Dept.
Read, H. H., D.Sc., F.G.S., F.R.S.
(Geol.) Prof., in charge of dir. of Geol. res.
Illing, V. C., M.A. Camb., F.R.S.
Prof. of Geol. (Oil Technol.).
Wilson, G., M.Sc., Ph.D., D.I.C., F.G.S. Reader.
Blyth, F. G. H., Ph.D., D.I.C., F.G.S. Sr. Lectr.

Lecturers
Coomber, S. E., B.Sc.
Hobson, G. D., Ph.D., D.I.C.
Jones, F., T.D., Ph.D., M.Sc., F.G.S.
Webb, J. S., Ph.D., D.I.C.
Sutton, J., B.Sc.
Pitcher, W. S., B.Sc., F.G.S.
Thomas, G., B.Sc.
Carter, D. J., D.F.C., B.Sc.
Millman, A. P., B.Sc.
Shearman, D. J., B.Sc., F.G.S.

Assistant Lecturers
Walker, G. P. L., M.Sc.
Fothergill, C. A., B.Sc.
Ager, D. V., B.Sc.
Cheesman, R. L., M.C., F.G.S.
Ross, J. V., B.Sc.

Geophysics, Applied, v. Physics

Mathematics
Jones, H., Ph.D. Leeds and Camb., F.R.S. Prof.

Readers
Barnard, G. A , M.A. Camb.
Allen, D. N. de G., M.A. Oxon.
Roth, L., M.A..Camb.
Whitrow, G. J., M.A., D.Phil. Oxon.

Senior Lecturer
Hatley, A. J., M.A.

Lecturers
Preidel, E. E., M.Sc.
Lloyd, E. H., Ph.D., D.I.C.
Talbot, A., M.A. Camb.
Mautner, A. J., B.Sc.
Tocher, K. D., B.Sc., Ph.D.
Rushton, S., M.A. Oxon., B.Sc., D.I.C.
Hepner, W. A., Ph.D. Edin.
Gordon, A. N., M.Sc., Ph.D.
Fairbrother, H., B.Sc.
Wohlfarth, E. P., B.Sc., Ph.D.
Michaelson, S., B.Sc.
Jaswon, M. A., Ph.D., B.Sc. Dub.
Raimes, S., Ph.D., D.Sc.
Young, Rosalind C. H., Ph.D.
Austin, M. C., B.Sc.
Thompson, R. S. H. G., B.Sc.
Moshkowitz, Freda, B.Sc.

Metallurgy
Dannatt, C. W., D.I.C., F.R.I.C.
Prof. and Hd. of Dept.
Fisher, M. S., D.Sc., Ph.D. Reader.

Lecturers
Harris, R. H., B.Sc. (Eng.).
Evans, G. L., B.Sc.
Tweeddale, J. G.
Thomas, D. L., B.Sc. Wales.

Selfe, F. L., F.R.I.C.
Phillips, E., B.Sc. Wales.
West, D. R. F., Ph.D.
Pantony, D. A., Ph.D.
Sawyer, H. D., B.Sc.
Alcock, C. B., B.Sc.
Richardson, F. D., Ph.D.
Nuffield Fellow.

Meteorology

Sheppard, P. A., B.Sc., F.I.P.
Prof. and Hd. of Dept.
Eady, E. T., B.A. Camb. Reader.
Goody, R. M., Ph.D., M.A. Camb.
Reader.

Lecturers

Mason, B. J., B.Sc.
Scorer, R. S., M.A. Camb., Ph.D.
Ludlam, F. H., D.I.C.

Mining

Mitcheson, J. C., B.Sc Birm., F.G.S.
Prof. and Hd. of Dept.

Readers

Sheppard, J. S., O.B.E., B.Sc. (Eng.).
Pryor, E. J., D.I.C.
Davies, W., B.Sc. Wales, Ph.D. Leeds.
Fleming, M., B.Sc. Sr. Lectr.

Lecturers

Jennings, H., B.Sc.
Thomas, T. L., M.B.E., B.Sc.
Richardson, J. B.
Blyth, H. N., B.A., F.R.I.C.
Bray, J. W., Ph.D.
Grierson, A., B.Sc.
Burkin, A. R., Ph.D., M.Sc.
Cohen, E., M.Sc.
Robinson, A. J., B.Sc. (Eng.).
Sutton, D., B.Sc. Asst. Lectr.

Physics

Blackett, P. M. S., M.A. Camb., F.G.S.
Prof. and Dir. of Labs.
Devons, S., M.A., Ph.D. Camb.
Prof.
Wright, W. D., D.Sc., D.I.C.
(Tech. Optics.) Prof.
McGee, J. D., M.Sc. Syd., Ph.D. Camb. (Instrument Technol.)
Prof.

Readers

Wynn-Williams, C. E., D.Sc. Camb.
Pearse, R. W. B., D.Sc., Ph.D., D.I.C.
Blackman, M , M.Sc. S.A., Ph.D. Gött. and Lond., D.I.C.
Bruckshaw, J. McG., M.Sc., Ph.D., D.I.C. (Appl. Geophys.).
Klemperer, O., Ph.D. Berl.
Johnson, B. K., D.I.C.
Butler, C. C., Ph.D. R'dg.

Honorary Lecturer

Jevons, W., D.Sc., D.I.C.

Senior Lecturer

Stephens, R. W. B., Ph.D., D.I.C.

Lecturers

Garton, W. R. S., B.Sc.
Kellner, Charlotte, Ph.D.
Aharoni, J., Ph.D. Berl.
Mason, R. G., M.Sc., D.I.C.
Allan, H. R., M.A. Camb., Ph.D.
Barford, N. C., B.A., B.Sc. Camb.
Latham, R., M.A. Camb., Ph.D.
Hopkins, H. H., Ph.D.
Coles, B. R., D.Phil. Oxon., B.Sc. Wales.
Pentz, M. J., M.Sc. Cape T.
Weinstein, W., Ph.D., B.Sc.
Clegg, J. A., Ph.D., B.Sc.
Elliot, H., Ph.D., M.Sc.

Assistant Lecturers

Barker, K. H., Ph.D., B.Sc.
Moore, A. F., B.Sc. Manc.
Folkierski, A., Ph.D.
Cohen, A. V., Ph.D.
Hall, S. H., M.Sc. Demr.

Zoology and Applied Entomology

Richards, O. W., M.A., D.Sc. Oxon.
Prof. and Hd. of Dept.

Readers

Hewer, H. R., M.Sc., D.I.C.
Jepson, W. F., Ph.D., B.Sc.
Page, A. B. P., Ph.D.

Lecturers
Wagge, Lille E., Ph.D., B.Sc.
Murray, D. R. P., M.A., Ph.D. Camb.
Gorvett, H., Ph.D. Brist.
Waloff, Nadejda, Ph.D.
Davies, R. G., B.Sc.
Higgins, A. E. H., D.I.C.
Kermack, Doris M., B.Sc.
Boratynski, K., Ph.D. Poznan.
Goto, H. E., B.Sc.
Blackith, R. E., B.Sc.
Siddorn, J. W., B.Sc.
Higgins, A. E. H., D.I.C.
Davies, R. G., B.Sc.
Haskell, P. T., B.Sc.
Canning, Elizabeth, B.Sc. Asst. Lectr.

Research Institute in Plant Physiology

Gregory, Prof. F. G., D.Sc., D.I.C., F.R.S. Dir.

Research Staff
Bolas, B. D., D.Sc., D.I.C.
Richards, F. J., B.Sc.
Porter, Mrs. Helen K., D.Sc.
Purvis, Olive N., Ph.D.
Heath, O. V. S., D.Sc., Ph.D., D.I.C.
Mer, C. L., Ph.D.
Hatcher, E. S. J., Ph.D. Brist.
Schwabe, W. W., B.Sc.
Hancock, C. R., B.Sc.
Llewelyn, F. W. M., B.Sc.

GENERAL INFORMATION

Founded by Royal Charter in 1907 for the purpose of giving the highest specialized instruction and providing the fullest equipment for the most advanced training and research in various branches of Science, especially in its application to Industry, the Imperial College includes as integral parts the following constituent Colleges with the departments and (in brackets) sub-departments attached to them:

ROYAL COLLEGE OF SCIENCE: Botany (Biochemistry, Plant Physiology, Plant Pathology, Bacteriology); Chemistry (Agricultural Chemistry, Food and Drugs), Inorganic and Physical, Organic; Geology, except the sub-depts. of Mining Geology, Oil Technology; Mathematics; Meteorology; Physics (Technical Optics, Applied Geophysics); Zoology and Applied Entomology.

ROYAL SCHOOL OF MINES: Metallurgy, Mineral Dressing, Mining, Mining Geology, Oil Technology.

CITY AND GUILDS COLLEGE: Aeronautics (Aerodynamics, Aero-Structures, Aircraft Propulsion); Engineering—Chemical, Civil, Electrical, Mechanical.

The total staff is about 300. The College is a School of the University in Science and Engineering. Students who are registered as candidates for one of the Associateships and who have qualified for entrance to the University of London are eligible for the B.Sc. Degree of the University in the Faculties of Science and Engineering, on the courses and examinations for the relative Associateship, if the University's regulations are complied with. The courses of study are designed for students of University standard whose vocations will be concerned with the scientific aspects of industries. The buildings occupy about 8 acres and cost with equipment about £1,500,000. There is also a Field Station at Silwood Park, Sunninghill.

ADMINISTRATION. The administration of the Imperial College is vested in a Governing Body consisting of 52 members representing the Crown, the self-governing Countries of the Commonwealth, the Ministry of Education, the University of London, the London County Council, the City and Guilds of London Institute, the Royal Commissioners for the Exhibition of 1851, the

Royal Society, the Teaching Staff of the Imperial College, and learned societies concerned with industries. The Rector, as chief administrative officer of the Imperial College, and the three Deans are also members.

LIBRARIES. The Library of the Science Museum is available for the use of Students, and each Dept. is provided with a special Library.

ADMISSION. The conditions of admission are as under, but the College reserves power to admit in special cases candidates whose qualifications do not in every respect coincide with those prescribed, but whose previous training fits them to take full advantage of the course proposed; the prescribed qualifications give no right to admission, but will be considered with others of which the candidate may give evidence. For admission to first-yr. courses candidates must normally have qualified for Univ. Entrance and have passed at Advanced level in the Gen. Cert. of Educn. or its equivalent, in Chem., Phys., and Maths.; requirements vary somewhat according to the course. A limited number of students are accepted to take a Prelim. (Inter.) course which is held at Battersea Polytechnic. This is restricted to those entering the Royal School of Mines or those taking courses in Bot., Geol., and Zool. at the Royal Coll. of Sci. The minimum age for admission is 17. Women are admitted on the same terms as men. *See also* Appendix I.

DIPLOMA AND OTHER COURSES. The undergraduate courses extend over 3 yrs. and lead to an Associateship (A.R.C.S., A.R.S.M., A.C.G.I.), and to the B.Sc. (Special) or B.Sc. (Engineering) Degree as the case may be. The Associateship and the Degree are awarded on the same examinations. The postgraduate courses and research lead up to the Diploma of Membership of the Imperial College (D.I.C.), and to the higher Degrees of the University of London. Special arrangements are made for graduates and persons engaged in scientific industrial pursuits.

FEES. Entrance, £2; Tuition per session (Oct.-June), for full-time undergraduate students, £60; for part-time, £63 per session; for full-time postgraduate students (*a*) carrying out research, £30 per session; (*b*) taking courses of study, £60 per session; for part-time, at the rate of £33 and £63 per session respectively. An additional charge may be made for expensive apparatus or chemicals.

SCHOLARSHIPS. Royal Scholps., Entrance Scholps. and Exhibitions for undergraduate courses awarded on an examination held at Schools; Special Scholps. available in Mining.

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II.

AFFILIATION, ETC. The Univ. of Sheffield is associated with the Coll. for Advanced Studies in the Metallurgy of Iron and Steel.

In collaboration with L.S.E. the Coll. arranges courses in Postgrad. Studies in Technol., Econ. and Admin.

APPOINTMENTS BOARD. The Coll. Appts. Bd. assists Associates and Members of the Coll. to find employment on the completion of their Coll. courses.

HOSTEL. There is a residential hostel at the College, with accommodation in the women's wing for 13 students, and in the men's for 76; fees: £15-£17 per term. Meals are provided by the Refectory at about 8s. per day, at present. Enquiries should be addressed to the Hostess, Imperial College Hostel. There is also a Hall of Residence at 50 Holland Park, London, W.11. (*Telephone*: Park 7041), with accommodation for 25 students.

STUDENTS' UNION. The Imperial College Union building in Prince Consort Road is the home of the various student organizations, including the Imperial College Union, the Royal College of Science Union, the Royal School of Mines Union, the City and Guilds College Union, and a large number of Societies and Athletic Clubs. There is a College Refectory in the building, and a College Bookstall.

PUBLICATIONS. *Annual Report*; *Calendar*; *Prospectus*; *Careers Pamphlets*. No charge is made for any of these publications.

THE YEAR 1952–53

NEW BUILDINGS. Extension of Chem. Engin. Dept. and construcn. of new Aeronautics Dept. begun.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. Kramers, Delft; Prof. I. W. Stranski, Rector of Technical U., Berl.; Prof. E. Lange, Erlangen; Prof. R. Rontelli, Milan; Prof. M. Pourbaix, Brussels; Profs. Popovic and Solaja, Belgrade; Prof. T. Ford, Georgia; Prof. C. G. Rossby, Stockholm; Prof. J. R. Plato, Chic.; Prof. J. D. Roberts, M.I.T.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Dr. J. O'M. Bockris, various Swedish and Norwegian Univs.; Dr. E. C. Cherry, M.I.T., Harv. and Chic.; Dr. D. Gabor, Calif., Stamford and Wash.; Prof. H. Ford, E.T.H., Zür.; Prof. W. Jackson, Zür. and Stuttgart; Prof. R. P. Linstead, E.T.H., Zür.; Dr. S. R. Sparkes, various Univs. in Scandinavia, Switzerland and Italy; Prof. P. A. Sheppard, Puerto Rico, Washington (D.C.), and Brown, Rhode Island.

RETIREMENTS. Prof. W. G. Bickley (Maths.); Prof. W. Brown (Plant Pathol.); Prof. J. W. Munro (Zool. and Appl. Entomol.).

RESIGNATION. Prof. W. Jackson, now Dir. of Res. and Educn. at Metropolitan Vickers Ltd., Manc.

DEATHS. Sir Holbert J. Waring (Member of Governing Body, 1923–47, Vice-Chancellor of Univ., 1922–24); Sir Robert Waley Cohen (Member of Governing Body, 1945–52); Maj.-Gen. Philip H. Mitchener (Member of Governing Body, 1939–46); Prof. R. G. A. Clements (Maybury Prof. in Highway Engin. at College, 1928–45, Hon. Fellow of Coll., 1952); Dr. F. C. Lea (Hon. Fellow of Coll., 1943); Dr. J. G. Lawn (Hon. Fellow of Coll., 1943).

HONORARY FELLOWSHIPS. Dr. F. H. Carr; A. C. Hartley; Prof. Emer. W. R. Jones; W. Nowell; M. T. Tudsbery; Sir Bruce G. White.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	1606	364
Women	47	10
Total	1653	374

Postgraduate students: 539 full-time; 360 part-time.
New admissions: 568 full-time; 345 part-time.

Students (full-time) from other countries, 312. (Countries from which largest numbers came: India, 71; Canada, 34; Egypt, 25; Australia, 16; Pakistan, 15; Israel, 14; S. Africa, 11; Burma, 10; U.S.A., 5.)

DEGREES. *Engin.*: B.Sc. (Eng.), 175; D.Sc. (Eng.), 1; Ph.D., 31; M.Sc. (Eng.), 11; *Sci.*: B.Sc. (Special), 138; D.Sc., 8; Ph.D., 105; M.Sc., 32. *Total number of first degrees awarded*, 313.

DIPLOMAS, ETC. A.R.C.S., 128; A.R.S.M., 44; A.C.G.I., 142; D.I.C., 225.

[*Information compiled as at* 11/6/54 ; *Staff list revised on* 11/10/54.]

KING'S COLLEGE

Founded 1829

Postal Address : Strand, London, W.C.2, England.
Telephone : Temple Bar 5454.

CHAIRMAN OF THE DELEGACY—The Hon. Sir ARTHUR J. P. HOWARD, K.B.E., C.V.O.

TREASURER—B. P. MOORE, B.A.

PRINCIPAL—P. S. NOBLE, M.A. Aberd.

DEAN—Canon E. S. ABBOTT, M.A. Camb.

SECRETARY—I. P. SHAW, M.A. Oxon.

LIBRARIAN—R. HUTTON, M.A. Liv.

REGISTRAR—J T. COMBRIDGE, M.A. Camb.

TEACHING STAFF

Anatomy, Descrip. and Surgical

Nicol, T., D.Sc. Glas. and Lond., M.D. Glas., F.R.C.S., F.R.C.S.Ed. Prof.
Wakeley, Sir C. P. G., K.B.E., D.Sc., P.R.C.S. Pt.-time Lectr.
Mackinnon, I. L., M.B., Ch.B. N.Z. Sr. Lectr.

Lecturers

Muenter, A. H., Ph.D. Münster.
Snell, R. S., M B., B.S.
Fisher, R. F., B.Sc. (Eng.), M.B., B.S.
Gazet, J.-C., M.B., B.S.
Kirk, R. M., M.B., B.S.
Whitaker, B. L., M.B., B.S. (Pt.-time.).

Biochemistry, v. Physiology

Biology, v. Bot., also Zool.

Botany and Plant Biology

Bennet-Clark, T. A., M.A. Dub., Ph.D. Camb., F.R.S., F.L.S. Prof.

Lecturers

Ball, Sir N. G., M.A., Sc.D. Dub.
Metcalfe, G., M.A., Ph.D. Camb.
Carpenter, J., B.A. Camb.
Sutcliffe, J. F., B.Sc., Ph.D. Leeds.
Sankey, Mrs. Valerie O., B Sc., Ph.D. Brist. Asst. Lectr.

Chemistry

Hey, D. H., D.Sc. Manc., Ph.D., F.R.I.C. Daniell Prof.
Rideal, Sir E. K., M.B.E., M.A. Camb., Ph.D. Bonn, D.Sc. Dub., F.R.S. Prof.

Readers

Style, D. W. G., B.Sc., Ph.D.
Harper, S. H., Ph.D., D.Sc.

Senior Lecturers

Salmon, C. S., M.C., M.Sc. Brist.
Dolley, L. G. F., T.D., B.Sc., Ph.D.

Lecturers

Gold, V., B.Sc., Ph.D.
Honeyman, J., M.A., B.Sc., Ph.D. St. And.

Williams, G. H., B.Sc., Ph.D.
Robertson, A. J. B., M.A., Ph.D. Camb.
Davies, J. T., M.Sc. N.Z., Ph.D.

Classics, v. also History, Anc.
Maguinness, W. S., M.A. Dub (Lat.) Prof.
Winnington-Ingram, R. P., M.A. Camb. (Gk.) Prof.
Handford, S. A., M.A. Oxon. Reader.
Low, D. M., M.A. Oxon. Lectr.
Gossage, A. J., M.A. Oxon., Ph.D. Lectr.
..... Asst. Lectr.

Education
Judges, A. V., B.A., D.Sc. (Econ.) (Hist. of Educn.) Prof.
Beales, A. C. F., M.A. Reader.
Blackwell, Mrs Annie M., M.A., B.Sc. Sr. Lectr.

Lecturers
Brown, P. P., B.A. Oxon.
King, E. J., M.A. Manc., F.L.S.
Wakeford, Mrs. Dorothy A., B.A.
Murray, Mrs. Freda M., B.Sc.
Parish, E. Laura, M.A.

Engineering, Chemical
Watkins, S. B., M.Sc. Wales, F.R.I.C. Sr. Lectr. and Director of Studies.

Engineering, Civil and Mechanical
Davies, S. J., D.Sc. (Eng.), Ph.D. (Mech. E.) Prof.
Ross, A. D., B.Sc. (Eng.), Ph.D. Edin. (Civil E.) Prof.
Rose, H. E., Ph.D. Manc., D.Sc. (Mech. E.) Reader.
Nash, J. K. T. L., M.A.I., M.A. Dub. (Civil E.) Reader.

Lecturers
Watts, F. G., M.Sc. (Eng.).
Steed, R. W., B.Sc. (Eng.), Ph.D.
Zarek, J. M., B.Sc. St. And., Ph.D.
Plowman, J. W., B.Sc. (Eng.), Ph.D.

Engineering, Electrical
Greig, J., Ph.D. Birm., M.Sc. (Eng.) Siemens Prof.
Clarke, H. M., T.D., M.Sc. Sr. Lectr.
Fraser, W., B.Sc. (Eng.) Lectr.
Platt, G. H., M.Sc.Tech. Manc. Lectr.

English Lang. and Lit.
Bullough, G., M.A. Manc. Prof.
Garmonsway, G. N., M.A. Camb. (E. Lang. and Lit.) Reader.

Lecturers
Mack, Frances M., B.A., Ph.D. (E. Lang. and Lit.).
Crow, J. W., M.A. Oxon.
Sheard, J. A., B A., Ph.D. (Philol).
Armstrong, W. A., M.A. Sheff., Ph.D. Yale (E. Lit.).

Assistant Lecturers
Taylor, E. Mary M., M.A. Camb.
Clark, Cecily, M.A., B.Litt. Oxon.
Mutter, R. P. C., M.A. Oxon.
.....

French
Cocking, J. M., M.A. Prof.
Stone, Louise W., M.A. (on leave). (Romance Philol.) Reader.
Jones, R. A., M.C., M.A. Sr. Lectr.
Landers, W. M., B.A., Ph.D. Lectr.
Weightman, J. G., B.A. Durh., L. ès L. Poitiers Lectr.

Assistant Lecturers
Ince, W. N., M.A. Camb.
Jeeves, W. N., M.A. Camb.
2 Assts.

Geography
(In conjunction with staff of London School of Economics)
Wooldridge, S. W., C.B.E., D.Sc. Prof.
..... Lectr.
Coleman, Alice M., M.A. Lectr.

Elkins, T. H., B.A. Lectr.
Yates, E. M., M.Sc. Lectr.
Bird, J. H., B.A., Ph.D. Asst. Lectr.

Geology

Taylor, J. H., A.M. Harv., B.Sc. Ph.D., F.G.S. Prof.
Wells, A. K., D.Sc., F.G.S. Reader.
Prentice, J. E., B.Sc., Ph.D. Lectr.
Elwell, R. W. D., M.Sc. Lectr.
Adams, C. G., B.Sc. Belf. Asst. Lectr.

German

Norman, F., O.B E., M.A. Prof.
Gilbert, Mary E. C. M., Dr.Phil. Berl. Reader.
Thoma, H. H. K., Dr.Phil. Munich Lectr.
McKay, G. W., M.A. Aberd. Asst. Lectr.

Greek, Modern, and Byzantine History, Language and Literature

Jenkins, R. J. H., M.A. Camb. Koraës Prof.

History, v. also Greek

Williams, C. H., M.A. Camb. Prof.
Graham, G. S., M.A. Qu., A.M. Harv., Ph.D. Camb. Rhodes Prof. of Imperial H.
Howard, C. H. D., M.A. Oxon. Reader.

Lecturers

Hodgett, G. A. J., M.A.
Howard, M. E., M.C., M.A. Oxon. (Military Studies).

Assistant Lecturers

Duggan, C., B.A.
Manning, B. S., B.A. Oxon.
Bennett, G. V., B.A. Camb.
Flint, J. E., B.A. Camb.

History, Ancient

Scullard, H. H., M.A. Camb., Ph.D. Reader.

Law

Graveson, R. H., LL.M. Sheff., S.J.D. Harv., Ph.D., LL.D. (English L.) Prof.
Crane, F. R., LL.B. (English L.) Prof.
Nokes, G. D., LL.D. (English L.) Reader.
Kiralfy, A. K. R., LL.M., Ph.D. Reader.
Davies, C. E. P., M.A., B.C.L. Oxon. Sr. Lectr.
James, T. E., M.A., B.C.L. Oxon. Lectr.
Barlow, A. C. H., M.A. Camb. Lectr.
Bland, A. J., M.A., B.C.L. Oxon. Lectr.
Pettit, P. H., M.A. Oxon. Asst. Lectr.
St. John-Stevas, N. A. F., B.A. Camb., B.C.L. Oxon. Asst. Lectr.
Barton, J. L., B.A. Oxon. Asst. Lectr.
Morrison, C.A., M.A. Aberd., B.A. Oxon. Asst. Lectr.
1 Pt.-time Lectr.

Mathematics, Pure and Applied

Semple, J. G., M.A. Belf., Ph.D. Camb. Prof.
Bondi, H., M.A. Camb. Prof.
Leggett, D. M. A., M.A., Ph.D. Camb. Reader.
Scott, D. B., M.A. Camb., D.Sc. Reader.
Davies, T. V., M.Sc. Wales Reader.
Fröhlich, A., B.Sc., Ph.D. Brist. Reader.
Edwards, B. A., M.Sc. Wales Sr. Lectr.
Kilmister, C. W., M.Sc., Ph.D. Lectr.
Dirac, G. A., M.A., Ph.D. Camb. Lectr.
Tims, S. R., Ph.D. Camb., M.Sc. Asst. Lectr.
Perry, R. L., B.Sc., Ph.D. Asst. Lectr.

Palæography

Wormald, F., Litt.D., M.A. Camb., F.B.A. Prof.

Pharmacology, v. Physiology

Philology, v. English and French

Philosophy

Findlay, J. N., M.A. Oxon. and S.A., Ph.D. Graz Prof.

Vesey, G. N. A., M.A. Camb. Lectr.

Physics

Randall, J. T., D.Sc. Manc., F.R.S. Wheatstone Prof.

Domb, C., M.A., Ph.D. Camb., M.A. Oxon. (Theoretical Phys.) Prof.

Champion, F. C., M.A., Ph.D Camb. (Exp. Phys.) Reader.

Price, W. C., B.Sc. Wales, Ph.D. Johns H., Sc.D. Camb., F.R.I.C. (Exp. Phys.) Reader.

Lecturers

Chapman, F. W., M.Sc., Ph.D.

Stokes, A. R., M.A., Ph.D. Camb.

M'Ewen, Marjorie B., Ph.D. St. And., B.Sc.

MacKay, D. M., B.Sc. St. And., Ph.D.

Curling, C. D., M.A. Camb.

Elton, L. R. B., M.A. Camb., B.Sc., Ph.D.

Assistant Lecturers

Kennedy, P. J., B.A. Dub.

Bernal, M. J. M., B.Sc., Ph.D.

2 Demrs.

Physiology, Biochemistry and Pharmacology

McDowall, R. J. S., D.Sc., M.D. Edin., F.R.C.P.Ed. Prof.

Robson, W., Ph.D. Edin., D.Sc. (Biochem.) Reader.

Brownlee, G., D.Sc. Glas., Ph.D. (Pharm.) Reader.

Lecturers

Widdowson, T. W., F.D.S. (Pt.-time).

Quilliam, J. P., M.Sc., M.B., B.S.

Munro, A. F., B.Sc., Ph.D. [illegible].

Bell, E. A., B.Sc. Durh., M.A., Ph.D. Dub.

Darbre, A., B.Sc. Birm.

Mendel, D., M.B., B.S.

.....

.....

.....

.....

Portuguese

Boxer, C. R., Hon. D.Litt. et Phil. Utrecht and Lisbon Camoens Prof.

Das Neves, F. J., Lic. in Letters Lisbon Lectr.

Romance Philology, v. French

Spanish Studies

Parker, A. A., M.A. Camb. Cervantes Prof.

Lecturers

Nadal, R. M., Lic. in Law Madrid.

Hamilton, Mrs. Rita, L. ès L. Lille, B.A.

Jones, R. O., M.A.

1 Asst.

Theology, v. p. 322

Zoology and Animal Biology

Danielli, J. F., Ph.D. Camb. and Lond., D.Sc. Prof.

Dawes, B., D.Sc. Reader.

Manton, Sidnie M. (Mrs. Harding), M.A., Sc.D. Camb., F.R.S. Reader.

Lecturers

Tribe, Margaret, D.Sc.

Arthur, D. R., M.Sc. Wales, Ph.D.

Brown, Margaret E., M.A., Ph.D. Camb.

Cloudsley-Thompson, J. L., M.A., Ph.D. Camb., F.L.S.

ADMINISTRATIVE AND OTHER STAFF

Accountant: H. S. Harley; Asst. Sec.: W. B. E. Euden, B.A.; Chaplain: Rev. J. H. Churchill, M.A.; Tutor to Women Students: Dorothy Brittain, M.A. Manc.; Wardens: King's Coll. Hall, C. Duggan, B.A.; Halliday Hall, A. C. H. Barlow, M.A. Camb.

GENERAL INFORMATION

HISTORY. Founded by Royal Charter in 1829 for "instruction in the various branches of Literature and Science and the doctrines and duties of Christianity," King's College consisted at first of a School and Departments of General Literature, Science and Medicine, to which were added successively Engineering, Theological and Oriental Depts. The Hospital was built in 1839; the Evening Classes were started in 1856, and a Women's Dept. in 1881. In 1910 the College School became a separate Corporation, the Hospl. and Advanced Med. School were made independent, the other Depts. (except the Theological) doing work of University standard were incorporated in the Univ. of London, while the Council remained the governing body of the Theol. Dept., which became a School of the Univ. In 1915 the Arts and Science Departments of King's College for Women, previously housed in Kensington, were transferred to the Strand building of King's College, and the Household and Social Science Department to new buildings on Campden Hill. The Dept. of Household and Social Science became a separate instn. in 1928 under the title of King's Coll. of Household and Social Science, now Queen Elizabeth Coll., *see below*. In 1917 the Oriental Dept. was transferred to the new School of Oriental Studies. The School of Slavonic and East European Studies, founded in 1915, was constituted a separate department of the Univ. as from Aug. 1, 1932, *see above*.

CONSTITUTION. University of London King's College, consisting of the five Faculties named below, is incorporated in the Univ. of London, and is governed by a Delegacy of the Senate. It is also, with King's College Theological Dept. (*see below*), an integral part of King's College, London. The Principal of King's College, London, is appointed by the Crown; the Dean of King's College Theological Dept., elected by the Council, is equally Dean of the whole College. The Secretary, Librarian and Registrar also serve the whole College and are appointed by the Governing Bodies jointly.

FACULTIES AND DEANS. *Arts*, Prof. W. S. Maguinness (Latin); *Engineering*, Prof. J. Greig (Elec. Engin.); *Laws*, Prof. R. H. Graveson; *Medical Science*, Prof. T. Nicol (Anatomy); *Natural Science*, Prof. J. T. Randall (Phys.).

LIBRARIES (about 176,000 vols.). In addition to the General Library there are the following Special Libraries: (1) The Marsden (Philol.), (2) Wheatstone (Electr. and kindred subjects), (3) Skeat and Furnivall (Philol. and Engl. Lit.), (4) Ronald Burrows Library (Mediæval and Mod. Greek), (5) Frida Mond (Goethe and German Lit.), (6) T. R. R. Stebbing (Zool.), (7) F. D. Maurice Collection, (8) The Box Library (Semitic Studies). There are also the following Departmental Libraries: Anat. and Physiol., Bot., Chem. Engin., Chem., Classics, Educn., Elect. Engin., Engin. (Civ. and Mech.), French, Geog., Geol., German, Hist., Imp. Hist., Laws, Maths., Palæog., Pharmacol., Physics, Portuguese, Spanish, Zool.

LABORATORIES AND MUSEUMS. Anat. (Hughes Collection), Comp. Anat., Biol., Bot., Chem., Chem. Engin., Engin., Geol. and Mineral., Mat. Med., Metall., Pharmacol., Physics, Physiol. (including Biochem. and Histol.), Zool. The Halley Stewart Laboratories of Physics Research, 30 Chesterford Gardens,

Hampstead, N.W.3, were formally opened as a department of the College on May 4, 1933. There is also a Botany out-station at 68 Half Moon Lane, Dulwich, S.E.24, and a Plant Physiology Laboratory at Danehurst, Champion Hill, S.E.5.

ADMISSION (*see* p. 211 and Appendix I). Applicants for admission to the French Hons. Sch. are required to take an entrance test in their schools. Applicants for Bot. or Zool. have a practical test when called for interview. In general the Coll. does not admit students who have still to comply with the Univ.'s requirements for entry on their respective degree courses, but it does admit to Inter. courses in Fac. of Laws.

DEGREE COURSES in Arts, Laws, Science and Engineering. Pre-clinical courses in Medicine, and courses for the First and Second Examns. for Dental Degrees. Education Dept. for training Teachers (men and women) for the Postgraduate Certificate in Education.

Clinical Medical training at King's College Hospital or St. George's or Westminster.

Engineering students are provided with facilities for spending half of each summer vacation in engineering works.

Evening Classes in the Faculty of Laws.

OTHER COURSES. The Associateship of King's College (A.K.C.) is open to men and women who have graduated after 3 yrs.' course and have also attended prescribed course in Divinity and passed appropriate examns.

ADVANCED STUDY. Special facilities in English (including Bibliography), History (especially Ancient, Medieval and Colonial, and Military Studies), Palæography, Portuguese, Spanish, Modern Greek, Education and several Depts. of Science. All Faculties accept students for postgraduate courses. The College has a course for its own postgrad. Dipl. in Chemical Engineering.

FEES. Tuition per Session of 3 terms of 10 weeks each (Oct. to July): Arts: 36 gs.; Laws, 25 gs. (Even.), 34 gs. (Day); Science, 36 gs. (Maths.), 50 gs. (others) Med., 48 gs. or 55 gs.; Engin., 60 gs.; Master's degree or Ph.D., 21 gs.; compulsory vacation field courses in some subjects.

SCHOLARSHIPS. For undergraduates: In Arts 4, ag. value £160 p.a.; Laws 2, ag. value £70 p.a.; Natural Science 2, ag. value £80 p.a.; Medical Science 4, ag. value £165 p.a.; Engineering 2, ag. value £80 p.a. Most of these are eligible for supplementation by the Ministry of Education.

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II.

ENTRANCE SCHOLARSHIPS in all Faculties.

RESIDENCE. Halliday Hall, South Side, Clapham Common, London, S.W.4 (*Telephone*: Tulse Hill 5780), for 134 men; fees, £120 to £135 a session. King's College Hall, Champion Hill, London, S.E.5 (*Telephone*: Brixton 2558), for 102 men; fees, £120 or £105 a session.

A REGISTER OF FORMER STUDENTS is maintained. Membership of the King's College London Association enables former students to keep in touch with one another and with the College.

STUDENTS' UNION SOCIETY has its own premises in Chesham House, Surrey Street, W.C.2.

PUBLICATIONS. Separate prospectus for each Faculty, post free. *Calendar*, 7s. 6d. post free; King's College *Review*; Union Society *Handbook*; *King's*

Engineer; *King's Counsel*; King's College London Association *Year Book*; Hearnshaw, *History of King's College* (Harrap, London, 1931; o.p.).

THE YEAR 1952–53

BENEFACTIONS. Acheson Colloids, £100 for res. in Mech. Engin.; Agric. Res. Council, £1340 for Dept. of Bot.; Evans Electroselenium, equipment for Dept. of Mech. Engin. in connection with res. in Powder Science; Sir Halley Stewart Trustees, £6000 for purchase of 30 Chesterford Gardens, Hampstead, for general Coll. purposes; Internal Combustion (Derby), equipment for Powder Science lab.; Nuffield Foundation, £1400 for Dept. of Phys.

NEW POSTS AND OTHER DEVELOPMENTS. In Dept. of German, Readership to strengthen work on modern side; in Dept. of Philos., Lecturership in place of Asst. Lectureship; in Dept. of Hist., Lectureship in Military Studies. Within Fac. of Engin., a new field of enquiry, Researches in Powder Science, initiated.

RETIREMENT. Dr. N. Hans, Reader in Comparative Educn.

RESIGNATIONS. Prof. E. M. Wilson (Spanish), apptd. Prof. of Spanish at Camb. U.; Prof. G. Temple (Appld. Maths.), apptd. Sedleian Prof. of Natural Philos. at Oxon. U.; A. F. Ruston (Maths.), apptd. Sr. Lectr. in Pure Maths. at Sheff. U.; J. C. N. Wakeley (Anat.); J. E. Hall and J. L. V. Summerhayes (Physiol.).

DEATHS. J. A. Hewitt, Lectr. in Physiol., 1920–33, Sr. Lectr., 1933–52; H. J. Wood, Asst. Lectr. in Hist. Geog., 1930–32, Lectr., 1932–52; J. B. Dale, on staff of Maths. Dept., 1894–1936 (Asst. Prof. 1903–36), a Fellow of the Coll.; Emer. Prof. A. H. Jameson, Prof. of Civil Engin. from 1912–35, a Fellow of the Coll.; Emer. Prof. S. Smiles, Daniell Prof. of Chem., 1920–38, a Fellow of the Coll.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	1311	170
Women	413	50
Total	1724	220

Postgraduate students, 412.

New admissions, 519.

Students (full-time) from other countries, 137. (Countries from which largest numbers came: Egypt, 12; India, 10; Nigeria, 9; Canada, 7; Gold Coast, 5; Mauritius, 4.)

DEGREES OBTAINED. *Arts*: B.A., 127; M.A., 17; Ph.D. (Arts), 8. *Theol.*: B.D., 12; M.Th., nil; Ph.D. (Theol.), 3. *Engin.*: B.Sc. (Eng.), 37; M.Sc. (Eng.), 1; Ph.D. (Eng.), 3. *Laws*: LL.B., 47; LL.M., 3. *Nat. Sci.*; B.Sc., 140; M.Sc., 8; Ph.D. (Sci.), 19.

CERTIFICATES OBTAINED. Postgrad. Certif. in Educn., 77.

[*Information compiled as at* 11/6/54 ; *Staff list revised on* 11/10/54.]

LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE

Founded 1895

Postal Address: Houghton Street, Aldwych, London, W.C.2, England.
Telegrams: Poleconics, Estrand, London.
Telephone: Holborn 7686.

CHAIRMAN OF COURT OF GOVERNORS—Sir OTTO NIEMEYER, G.B.E., K.C.B., B.A.

VICE-CHAIRMAN—F. E. HARMER, C.M.G., M.A.

DIRECTOR—Sir ALEXANDER M. CARR-SAUNDERS, M.A. Oxon. and Camb., LL.D. Glas., Col. and Natal, Litt.D. Dub., D. en Droit Grenoble, D.Litt. Malaya, F.B.A.

SECRETARY—H. KIDD, M.A. Oxon. and Camb.

REGISTRAR—W. S. COLLINGS, B.A.

LIBRARIAN—G. WOLEDGE, B.A. Leeds.

TEACHING STAFF

Accountancy

Baxter, W. T., B.Com. Edin. Prof.
Solomons, D., B.Com. Reader.
Edey, H. C., B.Com. (and Business Finance) Lectr.
..... Lectr.
8 Pt.-time Assts.

Anthropology, Social

Firth, R. W., M.A. N.Z., Ph.D., F.B.A. Prof.
Schapera, I., M.A. Cape T., D.Sc., F.R.S.S.Af. Prof.
Barnes, J. A., D.S.C., M.A. Camb., D.Phil. Oxon. Reader.
Freedman, M., M.A. Lectr.
Stirling, A. P., M.A., D.Phil. Oxon. Lectr.
Smith, Marian W., Ph.D. Col. Pt.-time Lectr.

Business Administration

Plant, Sir Arnold, B.Sc. (Econ.), B.Com. Cassel Prof.

Colonial Administration

Mair, Lucy P., M.A. Camb., Ph.D. Reader.
Wraith, R. E., O.B.E., B.Com. Birm.
Organizer of Studies for Colonial Students.

Commerce and Industry, v. also Law, Transport

Edwards, R. S., B.Com. Prof.
Meade, J. E., C.B., M.A. Oxon., F.B.A. Prof.
Paish, F. W., M.C., M.A. Camb. Prof.

Anstey, Mrs. Vera, D.Sc. (Econ.) Chairman of Admitting Deans and Part I Tutors. Pt.-time Reader.
Brown, F., B.Sc. (Econ.) Reader.
Thirlby, G. F., B.Com. Lectr.

Criminology

Mannheim, H., Dr.Jur. Königsberg Reader.

Demography

Carrier, N. H., M.A. Camb. Reader.

Economics

Robbins, L. C., C.B., M.A. Oxon., B.Sc. (Econ.), F.B.A. Prof.
Phelps Brown, E. H., M.B.E., M.A. Oxon. (E. of Labour) Prof.

Readers

Hutchison, T. W., M.A. Camb.
Makower, Helen, B.A. Camb., Ph.D.
Raeburn, J. R., B.Sc. (Agric.) Edin., M.S., Ph.D. Corn., M.A. Oxon. (Agric. Econ.)
Turvey, R., B.Sc. (Econ.)
Yamey, B. S., B.Com. Cape T.

Lecturers

Day, A. C. L., B.A. Camb.
Hood, Mrs. Julia M., B.Com.
Knox, A. D., B.A. Tor.
Morgan, D. J., B.Sc. (Econ.)
Morton, G., B.Sc. (Econ.), Ph.D.
Ozga, S. S., Ph.D.
Phillips, A. W. H., M.B.E., B.Sc. (Econ.), Ph.D.
Wiseman, J., B.Sc. (Econ.)
9 Asst. Lectrs., 1 Pt.-time Asst. Lectr.

English (as a foreign language)

Chapman, R., B.A. Oxon., M.A. Lectr.

Finance, v. Money, Banking

French, v. Modern Languages

Geography, v. also Commerce

Buchanan, R. O., M.A. N.Z., B.Sc. (Econ.), Ph.D. Prof.
Stamp, L. D., C.B.E., B.A., D.Sc. D.Lit. (Social Geog.) Prof.
Wise, M. J., M.C., B.A., Ph.D. Birm. (Econ. Geog.) Cassel Reader.
Harrison-Church, R. J., B.Sc. (Econ.), Ph.D Lectr.
Rawson, R. R., B.Sc. Wales Lectr.
Sealy, K. R., M.Sc. (Econ.) Lectr.
Sinclair, D. J., M.A. Edin. Lectr.
3 Asst. Lectrs.

History, Economic

Ashton, T. S., M.A. Manc., F.B.A. Pt.-time Prof.
Carus-Wilson, Eleanora M., M.A. Prof.
Fisher, F. J., M.A. Prof.
Beales, H. L., M.A. Manc. Pt.-time Reader.
John, A. H., Ph.D. Camb., B.Sc. (Econ.) Reader.
Ashworth, W., B.Sc. (Econ.). Ph.D. Lectr.
Carter, Mrs. Alice M. C., M.A. Lectr.
Coleman, D. C., B.Sc. (Econ.), Ph.D. (Indust. H.) Lectr.
Potter, J., M.A. (Econ.) Manc. Lectr.
Stern, W. M., B.Sc. (Econ.) Lectr.
Waley, D. P., M.A., Ph.D. Camb. Lectr.
2 Asst. Lectrs.

History, Internat. (incl. *Polit.*)

Medlicott, W. N., M.A., D.Lit. Stevenson Prof.
Toynbee, A. J., B.A., D.Litt. Oxon. and Birm., F.B.A. Stevenson Research Prof.
Robinson, L. G., M.A. Oxon. Fellow.

Anderson, M. S., M.A., Ph.D. Edin. Lectr.
Grün, G. A., M.A. Camb. Lectr.
Hatton, Mrs. Ragnhild M., Cand, Mag. Oslo, Ph.D. Lectr.
Lee, Hilda I, M.A. Lectr.
2 Asst. Lectrs.

International Relations

Manning, C. A. W., M.A., B.C.L. Oxon. Montague Burton Prof.
Wight, R. J. M., B.A. Oxon. Reader.

Lecturers

Chambers, F. P., M.A. Camb.
Goodwin, G. L., B.Sc. (Econ.).
Tunstall, W. C. B., M.A. Camb.
Northedge, F. S., B.Sc. (Econ.), Ph.D.
1 Asst Lectr.

Law

Gower, L. C. B., M.B.E., LL.M. (Comml. L.) Cassel Prof.
Kahn-Freund, O., Dr.Jur. Frankfurt, LL.M. (English L.) Prof.
Parry, Sir David Hughes, B.A. Wales, M.A., LL.M. Camb., LL.D. Camb., Wales, W.Ont., New Br. and Br. Col., D.C.L. McG. (English L.) Prof.
Plucknett, T. F. T., LL.B. Camb., M.A., F.B.A. (Legal History) Prof.

Readers

Johnson, D. H. N., M.A., LL.B. Camb. (Internat. L.)
Phillips, A., M.A. Oxon., Ph.D. (L. in Colonial Territories)
Griffith, J. A. G., LL.M. (English L.)
de Smith, S. A., M.A. Camb. (Public L.).

Lecturers

Chorley, Rt. Hon. Lord, M.A. Pt.-time.
Grunfeld, C., M.A., LL.B. Camb.
Stone, Olive M., LL.B., B.Sc. (Econ.).
Taylor, P. W. E., M.A. Camb. Pt.-time.
Williams, J. E. H., LL.M. Wales.
2 Asst. Lectrs.

Logic and Scientific Method

Popper, K. R., M.A. N.Z., Ph.D. Vienna, D.Lit. Prof.
Wisdom, J. O., Ph.D. Dub. Reader.

Modern Languages

Rose, W., M.A. Birm., Ph.D. (German) Prof.
John, S., B.A. Wales (French) Lectr.
Scott-James, Mrs. Paule H. J., B.Litt. Oxon., Ag. de l'U. (French) Lectr.
3 Asst. Lectrs.

Money, Banking and Public Finance

Sayers, R. S., M.A. Camb. and Oxon. Cassel Prof.
Peacock, A. T., D.S.C., M.A. St. And. Reader.
Wilson, J. S. G., M.A., Dip. Com. W.Aust. Reader.

Politics and Public Administration

Oakeshott, M. J., M.A. Camb. Prof.
Robson, W. A., D. de l'U. Lille, B.Sc. (Econ.), Ph.D., I.L.M. (Pub. Admin.) Prof.
Smellie, K. B., B.A. Camb. (Pol. Sci.) Prof.
Bassett, R., M.A. Oxon. Reader.
Greaves, H. R. G., B.Sc. (Econ.) (Pub. Admin.) Reader.
Pickles, W., Chev. Lég. d'H., M.A. Leeds Sr. Lectr.
Miliband, R., B.Sc. (Econ.) Lectr.
Morris-Jones, W. H., B.Sc. (Econ.) Lectr.
Panter-Brick, S. K., B.A., B.Phil. Oxon. Lectr.
Pear, R. H., B.Sc. (Econ.) Lectr.
Self, P. J. O., B.A. Oxon. (Pub. Admin.) Lectr.

Sharp, Dorothea E., M.A. Tor., D.Phil. Oxon. Lectr.
Watkins, J. W. N., D.S.C., M.A. Yale, B.Sc. (Econ.) Lectr.
2 Asst. Lectrs.

Psychology, Social and Industrial
Himmelweit, Hilde, M.A. Camb., Ph.D. Reader.
Hotopf, W. H. N., M.A. Camb. Lectr.
Raphael, Mrs. Winifred, B.Sc. Pt.-time Lectr.
1 Asst. Lectr.

Social Science and Administration
Titmuss, R. M. (Soc. Admin.) Prof.
Kydd, Jessie A., M.B.E., M.A., B.Com. Edin. Sr. Tutor and Lectr.
Bell, Leslie H., M.A. Lectr.
Britton, Clare (Child Care) Lectr.
Cockburn, Mrs. Christine, M.A Aberd. Lectr.
Judd, Mrs. Helen O., M.A. Edin., J.P. Lectr.
Lewis, Kathleen M., B.A. Camb. Lectr.
Seear, Beatrice N., B.A. Camb. Lectr.
Slack, Kathleen M., Dip. in Sociol. Lectr.
Stewart, Katharine F. Organizer of Practical Training.
Willoughby, Gertrude, M A. Sheff., D. de l'U. Paris Lectr.
Younghusband, Eileen, M.B.E., Dip. in Sociol., J.P. Lectr.
Henderson, Jane T., B.A. Pt.-time Lectr.
2 Asst. Lectrs.

Lecturers for Course in Mental Health
McDougall, Mrs. Kate F.
2 Asst. Lectrs.

Occasional Lecturers
Anthony, E. J., M.D., B.Sc., D.P.M.
Gardner, Dorothy E. M., M.A.
Gillespie, W. H., M.D., Ch.B.
Hilliard, L. T., M.A., M.B.
Winner, Albertine L., O.B.E., M.D.

Sociology
Ginsberg, M., M.A., D.Lit., F.B.A. Pt.-time Prof.
Glass, D. V., B.Sc. (Econ.), Ph.D. Prof.
Marshall, T. H., C.M.G., M.A. Camb. Martin White Prof.
MacRae, D. G., M.A. Glas. and Oxon. Reader.
Bottomore, T. B., M.Sc. (Econ.) Lectr.
Gellner, E. A., B.A. Oxon. Lectr.
Gould, S. J., M.A. Oxon. Lectr
McKenzie, R. T., B.A. Br. Col. Lectr.
3 Asst. Lectrs.

Statistics
Allen, R. G. D., C.B.E., M.A. Camb., D.Sc. (Econ.), F.B.A. Prof.
Kendall, M. G., M.A., Sc.D. Camb. Prof.
Durbin, J., M.A. Camb. Reader.
Rhodes, E. C., B.A. Camb., D.Sc. Reader.
Booker, H. S., M.Sc. (Econ.) Lectr.
Foster, F. G., B.A. Belf., D.Phil. Oxon. Lectr.
Moser, C. A., B.Sc. (Econ.) Lectr.

Trade Union Studies
Roberts, B. C., M.A. Oxon. Lectr.

Transport, v. also Commerce, Law
Ponsonby, G. J., M.A. Camb. Cassel Reader.

In addition to the above, a large number of occasional appointments is made from year to year.

ADMINISTRATIVE STAFF

Asst. Sec. and Accountant: H. C. Scriven, F.C.I.S.; Careers Adviser: Commander D. Warren-Evans; Maintenance Officer: S. A. Godfrey, B.Sc. (Econ.); Asst. to the Sec.: Mrs. Marion Horn, B.A. Leeds; Asst. Registrar: Evelyn M. Myatt-Price, M.A.; Asst. to the Accountant: Phyllis M. Shrimpton; Asst. Maintenance Officer: J. A. G. Deans, M.B.E.; Sec. to the Postgraduate Dept.: Anne M. Bohm, Ph.D. Berl.

LIBRARY. Deputy Librarian: Marjorie Plant, D.Sc. (Econ.), F.L.A.; Sr. Asst. Librarians: C. G. Allen, M.A.; Martha E. Dawson, M.A.; Asst. Librarians: W. L. Guttsman, M.Sc. (Econ.); H. Schurer, Ph.D., F.L.A.; W. A. Steiner, LL.M.

GENERAL INFORMATION

Founded 1895. A School of the Univ. recognized in the Faculties of Arts (in Anthropology, Geography, History and Sociology), of Laws, and of Economics and Political Science (including Commerce and Industry).

INCOME. The total income of the Sch. for 1952–53 was £399,759: Govt. grants, 75·1 per cent; endowments, 4·3 per cent; fees, 15·9 per cent; donations, 2·4 per cent; miscellaneous sources, 2·3 per cent.

COURSES. Students may be admitted by the School for all degrees of the Univ. in the above Faculties as Internal students of the Univ. The School also provides instruction for the Diplomas of the Univ. in Anthropology, Colonial Studies, Law, Psychology, and Public Administration; for Certificates of the School in Social Science and Administration, for Social Workers in Mental Health and in International Studies, and for Special Courses in Business Administration, Trade Union Studies, Personnel Management and Child Care. In collaboration with Imperial College the School arranges courses in postgraduate studies in Technology, Economics and Administration. Classes and lectures are given both in the day and in the evening.

ADMISSION. *See* p. 211 and App. I. The School is open on the same terms to men and to women. The School reserves the right to call any student for personal interview. The School may also, in exceptional cases, specify conditions, over and above the requirements of the Univ. regns., with which a student must comply before admission.

Persons desiring admission to the School for a first degree or diploma may, in certain cases, be required to sit for an entrance examination, which consists of a three-hour paper, containing questions of a general nature and in the use of English.

LIBRARY. The *British Library of Political and Economic Science* is attached to the School and includes the Edward Fry Library of *International Law* and the Schuster Library of *Comparative Legislation* and a number of special collections.

The Library is open not only to those who are taking courses at the School, but, by permission of the Director, also to other persons desiring to use it for research or consultation.

FEES. The composition fee for a complete day course in Arts, in Laws or in Economics is 34 gs. for the academic year. Evening students receive considerable reduction in fees. The fees include privileges of Students' Common Rooms and Athletic Societies. The playing fields at Malden are available for members of the Athletic Union.

SCHOLARSHIPS. Entrance scholps. (including the Leverhulme Scholps.) are awarded each year and are eligible for supplementation by the Ministry of

Education. An Adult scholp. of the value of £100 p.a. may be awarded to students who have shown promise in pt.-time studies. Scholps. are also awarded during the undergraduate course, some of which are eligible for supplementation by the Ministry of Education.

STUDENT HEALTH. The School has its own nurse, who holds a daily surgery in the School during the session. A mass radiography unit visits the School each session for the examination of students.

A psychiatric advisory service for students has been established. This is in the charge of a doctor who attends the School three days a week for consultation by students who feel the need for psychiatric treatment.

RESIDENCE. Passfield Hall, Endsleigh Place, W.C.1 (*Telephone*: (Warden and Staff) Euston 3584; (Students) Euston 7691), for about 140 men; fees: £3 : 17s., £3 : 13 : 6 and £3 : 10s. per week for single, double and treble study-bedrooms respectively.

PUBLICATIONS. Learned: *Studies in Econ. and Pol. Sc.*; *Economica*, quarterly journal devoted to research in economics, economic history and statistics; *The British Journal of Sociology*, quarterly journal devoted to research in sociology and cognate subjects. Official: *Calendar*; *Prospectus*; *Departmental Pamphlets*.

THE YEAR 1952–53

BENEFACTIONS. American friends of late Prof. Laski, $5000 for purchase of part of his unique collection of books and pamphlets; Marc Wilenkin, collection of Russian material on law and economics.

NEW POSTS. Readership in Internat. Law; Readership in Statistics.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. J. N. Hazard, Col.; Prof. B. Willcox, Corn.; Prof. B. Macpherson, Tor.; Prof. A. C. Fox, W. Aust.; under scheme for promotion of Northern Studies, Prof. G. Gjessing, Oslo; Prof. J. Pedersen, Aarhus; Prof. H. Waris, Helsinki.

RETIREMENT. Sir C. K. Webster (Stevenson Prof. of Internat. Hist.).

RESIGNATIONS. K. M. Buchanan (Geog.); S. R. Davis (Pol. Sci.); Mrs. J. E. Floud (Sociol.); Miss B. E. Hinchliff (Sociol.); G. B. Jackson (French); E. R. Leach (Anthropol.); H. S. Reiss (German); W. J. L. Ryan (Econ.); G. E. M. de Ste-Croix (Econ. Hist.); A. D. Scott (Econ.); J. C. Spencer (Soc. Sci.); G. H. Treitel (Law).

DEATHS. F. W. Hirst (Member of Staff 1897 to 1900, Member of Ct. of Governors since 1913); A. Radomysler (Lectr. in Econ. since 1939); R. H. Soltam (Lectr. in Pol. Sci. 1927 to 1930, 1945 to 1946).

STUDENT NUMBERS.*

	Full-Time	*Part-Time*
Men	1279	369
Women	474	65
Total	1753	434

* These figures do not include 343 occasional students.

Postgraduate students, 509.

New admissions, 989.

Students (regular) from other countries, 647. (Countries from which largest numbers came: U.S.A., 113; India, 85; Canada, 45; Israel, 29; Australia, 28.)

DEGREES. B.A., 32; M.A., 5; B.Sc. (Econ.) (Old Regns.), 25; B.Sc. (Econ.) (Revised Regns.), 210; B.Sc. (Soc.), 19; B.Com., 2; M.Sc. (Econ.), 15; Ph.D., 36; LL.B., 34; LL.M., 7; LL.D., 1.

DIPLOMAS. Law, 1; Pub. Admin., 2.

CERTIFICATES. Soc. Sci. and Admin., 79; Mental Health, 29; Internat. Studies, 3.

[*Information compiled as at* 31/5/54 ;
Staff list revised on 11/10/54.]

QUEEN ELIZABETH COLLEGE

Founded 1908

Postal Address : 61-67 Campden Hill Road, London, W.8, England.
Telephone and Telegrams : Western 3704.

CHAIRMAN OF COUNCIL—Sir JOHN ATKINS, K.C.M.G., K.C.V.O.

PRINCIPAL—M. JOAN SARGEAUNT, M.A., B.Litt. Oxon.

SECRETARY—DIANA M. H. GRYLLS, B.A.

TEACHING STAFF

Biology

Crofts, Doris R., D.Sc. (Zool.) Reader.
Gardiner, Phyllis, B.Sc. Lectr.
Rawson, Mrs. Dilys O., M.Sc. Wales Lectr.

Assistant Lecturer
Te Winkel, Helena, B.Sc.

Chemistry

Burton, H., D.Sc., F.R.I.C. Prof.
Jackman, Mrs. Agnes, B.Sc., F.R.I.C. Sr. Lectr.
Rees, Mrs. Barbara M., B.Sc. Lectr.
Waind, Mrs. Gwyneth M., D.Phil. Oxon. Lectr.

Assistant Lecturers
Cheeseman, G. W. H., Ph.D.
Praill, P. F. G., Ph.D.

Economics and Business Affairs

Stanners, H., B.Sc. (Econ.) Sr. Lectr.
Heasman, Mrs. Kathleen J., M.A. Camb. Pt.-time Lectr.

Household Work

Walley, Joan E., B.Sc. Sr. Lectr.

Lecturers
Urquhart, Mrs. Gweneth M., M.Sc.
Begrie, Irene C.
Gardiner, Mrs. Margaret, B.Sc.

Assistant Lecturers
Anderson, J. Audrey, B.Sc.
Jones, J. Elinor.
Ward, Gwyneth M., B.Sc.

Hygiene and Bacteriology

Delafield, M. E., M.C., B.A., M.B., B.Chir. Camb., D.P.H. Pt.-time Hd. of Dept.
White, Helen R., Ph.D. R'dg. Lectr.

Assistant Lecturer
Lemcke, Ruth M., B.Sc.

Nutrition

Yudkin, J., M.D., Ph.D. Camb., F.R.I.C. Prof.

Physics

Dillon, Teresa J., M.Sc., F.I.P. Sr. Lectr.
Andrewes, Ursula, Ph.D. Lectr.
McCabe, Marie, B.Sc. Asst. Lectr.

Physiology

Knox, J. A. C., M.D. Glas. Prof.
Clifford, Winifred M., M.Sc. Sr. Lectr.

Copping, Alice M., M.Sc. N.Z. Lectr.
Cheesman, Mrs. Elizabeth, B.Sc. Lectr.
Combridge, Cynthia D., B.Sc. Asst. Lectr.
Social Science [Sr. Lectr.
Stanners, H., B.Sc. (Econ.)

ADMINISTRATIVE AND OTHER STAFF

Bursar: Helen D. Horrocks; Caterer: Ida T. Robinson; Librarian: Mrs. Margaret Atkins, B.A. N.U.I.; Accountant: J. A. Garlick; Asst. Secretary: Mrs. Margaret P. Walters.

GENERAL INFORMATION

Formerly a dept. of King's Coll. for Women; since 1928 an independent School of the Univ. in the Fac. of Science. Name changed from King's College of Household and Social Science to Queen Elizabeth College when Royal Charter granted in Jan. 1953. Library contains 8000 vols. (not including periodicals). Facilities for research work in the Labs. Degree Course for B.Sc. in Household and Social Science replaced, as from October 1953, by course for B.Sc. (Household Science) and B.Sc. (Nutrition), to which men students may be admitted. Courses for Univ. of London Academic Postgraduate Dipl. in Dietetics and for Univ. of London Sister Tutor's Dipl. Students also prepared for Coll. Certif. in Institutional Management. Residential accomm. (Queen Mary's Hostel) for (approx.) 155 students. There is an Old Students' Association.

ADMISSION. *See* p. 211 and App. I.

FEES (per session). Tuition, from 36 to 45 gs. Residence, from 102 to 126 gs. Students' Union (including Athletic Union), £2 : 5s.

PUBLICATIONS. *Prospectus*; *Annual Report*; *Students' Magazine.*

THE YEAR 1952–53

NEW BUILDINGS. Rebuilding of East Block (destroyed by enemy action) is completed and consists of Physics Dept., Library, Courtauld Hall, Administrative Offices and Main Entrance.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	..	..
Women	220	..
Total	220	..

Postgraduate students, 9.
New admissions, 105.
Students (full-time) from other countries, 6. (Countries from which largest numbers came: British W. Indies, 2; Egypt, 2.)

DEGREES. B.Sc. (Household and Social Science), 38.

DIPLOMAS. Postgraduate Dietetics, 9.

CERTIFICATES. Institutional Management, 15.

[*Information compiled as at* 9/6/54 ; *Staff list revised on* 11/10/54.]

QUEEN MARY COLLEGE

Founded 1915, previously established as East London College and originally founded as People's Palace Technical Schools, 1887

Postal Address : Mile End Road, London, E.1, England.
Telephone : Advance 4211.

PATRON—H.M. THE QUEEN.

CHAIRMAN OF THE GOVERNORS—Sir ALBERT STERN, K.B.E., C.M.G., D.L., M.A.

PRINCIPAL—Sir THOMAS P. CREED, K.B.E., M.C., Q.C., M.A. Oxon.

REGISTRAR—R. P. TONG, O.B.E., M.A. Camb.

LIBRARIAN—A. WHITWORTH, M.A. Leeds.

TEACHING STAFF

Botany

Haines, F. M., Ph.D., D.Sc. Prof.
Godward, Maud B. E., M.Sc., Ph.D. Reader.
Newby, H. V., B.Sc. (Agric.), B.Sc. Lectr.
Wanstall, P. J., B.Sc. Lectr.
Taylor, F. J., M.Sc. Sheff. Asst. Lectr.

Chemistry

Dewar, M. J. S., M.A., D.Phil. Oxon. Prof.
Jones, D. C., D.Sc. Wales, Ph.D. Johns H. Reader.
Hickinbottom, W. J., M.Sc., Ph.D., D.Sc. Birm., F.R.I.C. Reader.

Lecturers

French, Cecilie M., B.Sc., Ph.D., F.R.I.C.
Garwood, R. F., B.Sc., Ph.D.
Hudson, R. F., B.Sc., Ph.D.
Grove, Dorothea M., M.A., B.Sc. Oxon., Ph.D.
Ansell, M. F., B.Sc., Ph.D.
Waind, Mrs. Gwyneth M., M.Sc. Wales, D.Phil. Oxon.
Crook, M. A., B.Sc. Asst. Lectr.

Classics

Laidlaw, W. A., M.A., Litt.D. Dub. Prof.
Ferguson, J., M.A. Camb., B.D. Lectr.
Denny, G. A. W., T.D., M.A. Camb. Lectr.
Bluck, R. S., M.A. Camb., Ph.D. Edin. Asst. Lectr.
Hinds, A. E., B.A. Dub. Asst. Lectr.

Engineering, Aeronautical

Young, A. D., M.A. Camb., F.R.Ae.S. Prof.
Whitehead, L. G., B.Sc. (Eng.), Ph.D. Reader.
McQuillin, L. A., M.A. Oxon. Lectr.

Hancock, G. J., B.Sc., Ph.D. Sheff. Lectr.

Engineering, Civil and Mechanical

Giffen, E., M.Sc. Belf., D.Sc. (Eng.), Ph.D. Prof.
King, J. W. H., M.Sc. Manc. Prof.
Hampson, H., M.Sc. (Tech.) Manc. Reader.

Lecturers

Daniel, A. W. T., M.A. Camb., Ph.D. Lond.
Webb, C. R., B.Sc. (Eng.), Ph.D.
Lavender, J. G., B.Sc. (Eng.), Ph.D.
Gadd, D., M.Sc. (Eng.).
Overy, B. B., M.A. Camb., M.Sc.

Engineering, Electrical

John, W. J., B.Sc., D.I.C. Prof.
Stoner, C. R., B.Sc. Reader.

Lecturers

Fortescue, R. L., M.A. Camb.
Tropper, H., Dip.Ing. Vienna, Ph.D.
Mansfield, W. K., B.Sc.
Walker, G. B., M.A. Glas., Ph.D.
McEwan, D. H., B.Sc. St. And.
Lewis, T. J., B.Sc. (Eng.), Ph.D. Turner and Newall Res. Fellow in Electrical Engin.
Guile, A. E., B.Sc. (Eng.) Lectr.

English Lang. and Lit.

Isaacs, J., M.A. Oxon. Prof.

Readers

Callan, N. R., M.A. Camb.
Timmer, B. J., Litt.D. Groningen.

Lecturers

Thompson, Marjorie, M.A.
Thomson, Patricia, M.A. Oxon.
Hussey, S. S., M.A. Asst. Lectr.

French Lang. and Lit.

Collas, J. P., B.A., B.Litt. Oxon. Prof.

Lecturers

Rozelaar, L. A., M.A.
Evans, H. G. J., B.A. Ph.D.
Derôme, R., M.A. Georgia, L. ès L. Paris.
Decreus, Mrs. Juliette C., M.A., D.U.P.

Assistant Lecturers

Holmes, Peggy P., B.A., Ph.D.
Evans, D. H., M.A. Wales, D.U.P.

Geography

Smailes, A. E., M.A. Reader.
Mutton, Alice F. A., M.A., Ph.D. Lectr.
Everard, C. E., M.Sc. Lectr.
Sheppard, June A., M.A. Asst. Lectr.

Geology

Kirkaldy, J. F., D.Sc. Reader.
Whitten, E. H. T., B.Sc., Ph.D. Lectr.

Assistant Lecturers

Middlemiss, F. A., B.Sc.
Greensmith, J. T., B.Sc. Sheff.

German Lang. and Lit.

Hatto, A. T., M.A. Prof.
Reiss, H. S., B.A. Dub., Ph.D. Lectr.
Rüdenberg, W. Lectr.
Combridge, Rosemary N., M.A. Oxon. Asst. Lectr.

History, Modern

Bindoff, S. T., M.A. Prof.
Chew, Helena M., M.A. Ph.D. Reader.
Leslie, R. F., B.A., Ph.D. Lectr.
Harvey, Barbara F., M.A., B.Litt. Oxon. Lectr.

Mathematics, Pure and Applied

Ferraro, V. C. A., B.Sc., Ph.D. Lond., D.I.C., F.R.A.S. Prof.
Hirsch, K. A., D.Phil. Berl., Ph.D. Camb., F.R.A.S. Reader.
Sondheimer, E. H., M.A., Ph.D. Camb. Reader.

Lecturers
Green, S. L., M.Sc.
Allen, H. S., Ph.D., M.Sc.
Tropper, Mrs. A. Mary, M.Sc., Ph.D.
Chirgwin, B. H., M.A. Oxon., B.Sc.
Plumpton, C., M.A. Camb.
Gliddon, J. E. C., M.Sc.

Assistant Lecturers
Gruenberg, K. W., M.A. Camb.
Weir, A. J., B.A., Ph.D. Sheff.

Physics
Jones, G. O., M.A., B.Sc. Oxon., Ph.D. Sheff. Prof.
Eisenschitz, R. K., Dr.Phil. Munich Reader.

Lecturers
Irons, E. J., Ph.D., D.Sc.
Leech, J. W., B.Sc., Ph.D.
Heastie, R., B.Sc.
Barker, J. R., B.Sc., Ph.D.
Dobbs, E. R., B.Sc., Ph.D.
Davies, R. O., D.Phil. Oxon., M.Sc. N.Z.

Assistant Lecturers
Doidge, P. R., M.A. Camb.
Martin, D. H., B.Sc. Nott.

Spanish
Barragán, J. V. Lectr.

Zoology
Smith, J. E., M.A., Sc.D. Camb., B.Sc., Ph.D. Prof.
Newell, G. E., B.Sc., Ph.D. Reader.
Forrest, J. E., B.Sc. Edin., Ph.D. Lectr.
Chapman, G., M.A. Camb., Ph.D. Lectr.
Carthy, J. D., M.A. Camb., Ph.D. Asst. Lectr.
Whitten, Mrs. Joan M., B.Sc., Ph.D. R'dg. Asst. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Warden of Men's Hostel: B. H. Chirgwin, M.A. Oxon., B.Sc. Warden of Women's Hostel: Dorothea M. Grove, M.A., B.Sc., Ph.D.

GENERAL INFORMATION

Queen Mary College derives from the New Philosophical Institute founded in the earlier part of the 19th century by J. T. Barber Beaumont to provide educn. for people of the East End. He died in 1841, providing in his will a trust fund for continuation of Inst. The trustees later became associated with the Drapers' Co., with whose assistance the East London Technical Schools were opened in 1887, superseding the New Philosophical Inst. and later known as East London Technical College. With addition of Arts courses, the name was changed to East London College. In 1907 Univ. recognition was granted for instrucn. for Bachelor's and Higher Degrees in Arts, Sci. and Engin. and in 1915 the Coll. was admitted as a School of the Univ. A Royal Charter was granted in 1934 when the Coll.'s name was altered to Queen Mary College in acknowledgment of the honour accorded by Queen Mary in presenting the Charter. Her Majesty became the first Patron and Hon. Fellow of Queen Mary College.

Governed by Governors who include Master and Clerk of Drapers' Co. and representatives of L.C.C., Univ. and Staff. A School of the Univ. in Arts, Sci. and Engin. Degree courses in Arts, Sci., Engin. (including Aeronaut. Engin.) and Med.; students proposing to take Med. course at London Hosp. offered special facilities for their studies for Prelim. Med. Examn.

Faculties and Deans. *Arts*, Prof. A. T. Hatto (German); *Engin.*, Prof. W. J. John (Electr. Engin.); *Science*, Prof. F. M. Haines (Bot.). *Medical*

Students, Dr. J. E. Forrest (Zool.). *Tutor to Women Students*, Peggy P. Holmes, B.A., Ph.D.

LIBRARY. Is modelled on the Reading Room of the British Museum and contains 46,000 volumes.

LABORATORIES for res. in Phys., Chem., Electr. Engin. Nuclear Particle Lab. Whitstable Lab. for study of Marine Biology.

ADMISSION. *See* p. 211 and App. I.

FEES from £37 : 16s.

ACADEMIC YEAR. Oct. to July ; 3 terms of 10 weeks each.

RESIDENCE, ETC. For Men (fees for residence and partial board : from £95 p.a.) : Elmhurst, High Rd., S. Woodford, London, E.18 (*Telephone* : Buckhurst 1541) ; accommodates 33 students. For Women (fees for residence and partial board : £100 p.a.) : Lynden Hall, High Rd., S. Woodford, London, E.18 (*Telephone* : Buckhurst 1546) ; accommodates 38 students.

UNION SOCIETY ; Old Students' Association ; Sports Grnd. and Staff House, Dytchleys, Coxtie Green, nr. Brentwood, Essex.

ENTRANCE SCHOLARSHIPS AND EXHIBITIONS. These include six Scholarships (4 for men, 2 for women), value £75 p.a., and four Exhibitions, value £40 p.a., all for 3 yrs., awarded by the Drapers' Company in Feb. of each year on the result of the Inter-Collegiate Scholarships Examn. The Governors award upwards of ten College Exhibitions, value £40 p.a. for 3 yrs., on the result of the same examn. In addition, College Bursaries value £40 p.a. may be awarded from time to time to students entering their second or later years. All these awards are eligible for supplementation by the Ministry of Education.

PUBLICATIONS. *Prospectus* ; *Calendar*, 4s. ; *Annual Report* ; Student Publications : *The Leopardess*, 1s. ; *The Cub*, 4d.

THE YEAR 1952–53

NEW BUILDING. Nuclear Particle Lab., in use since Sept. 1952, officially opened on June 23, 1953.

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITY. Prof. M. J. S. Dewar, Dub. U.

RETIREMENTS. Prof. H. R. Robinson, Vice-Principal (Phys.) ; Prof. J. A. P. J. Dechamps (French) ; J. H. Mozley (Latin) ; Dr. F. C. L. Brendel (Civil and Mech. Engin.).

RESIGNATION. Dr. P. R. Crowe (Geog.), apptd. Prof. of Geog. at Manc. U.

DEATHS. Dr. J. Scott Lidgett, governor since 1935 ; B. S. Simmonds, governor since 1943 ; Prof. N. Piercy (Aeronaut.) ; Violet Aitken, Sr. Asst. Librarian.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	665	22
Women	246	6
Total	911	28

Postgraduate students, 137.

New admissions, 346.

Students (full-time) from other countries, 42. (Countries from which largest numbers came : India, 8 ; Egypt, 7.)

DEGREES. B.A., 76 ; B.Sc., 76 ; B.Sc. (Eng.), 40 ; M.A., 7 ; M.Sc., 11 ; Ph.D. (Arts), 4 ; Ph.D. (Sci.), 7 ; Ph.D. (Eng.), 13 ; D.Sc., 1.

[*Information compiled as at* 27/5/54 ;
Staff list revised on 11/10/54.]

ROYAL HOLLOWAY COLLEGE *

Founded 1886

Postal Address: Englefield Green, Surrey, England.
Telegrams: Royal Holloway College, Englefield Green.
Telephone: Egham 114, 414.

CHAIRMAN OF THE COUNCIL—H.R.H. PRINCESS ALICE, COUNTESS OF ATHLONE.

PRINCIPAL—EDITH C. BATHO, M.A., D.Lit.

SECRETARY—DOROTHY HUSTLER, M.B.E.

REGISTRAR—E. DOROTHY P. PARGITER, B.A.

LIBRARIAN—FLORENCE R. ELLISON, B.A. Br. Col., F.L.A.

TEACHING STAFF

Botany

Jane, F. W., Ph.D., D.Sc. Prof.
Madge, Margaret A. P., Ph.D., B.Sc. Lectr. and Asst. Dir. Bot. Lab.
Paxton, R. G., M.Sc. Durh. Lectr.
Bonfield, Shirley J. A., B.Sc. Wales Asst. Lectr. and Demr.
Parkinson, D., B.Sc. Asst. Lectr. and Demr.
Topping, Mrs. M. Phyllis, B.Sc., Ph.D. Visiting Lectr in Biol.
1 Botanical Gardener.

Chemistry

Williams, G., D.Sc. Wales, Ph.D. Camb. Prof.
Foster, A. G., B.A., B.Sc. Oxon., Ph.D. Reader.
Singer, K. G., Ph.D. Glas., B.Sc. Lectr.
Bonner, T. G., Ph.D., B.Sc. Lectr.
Tyler, Jean M., B.Sc. Asst. Lectr. and Demr.
Hardy, Muriel L., B.Sc. Asst. Lectr. and Demr.

Classics

Tredennick, H., M.A. Camb. Prof.
Miller, Norma P., M.A. Glas. and Camb. Lectr.
Hereward, Daphne, M.A. Oxon. Asst. Lectr.
Wilford, F. A., M.A. Asst. Lectr.

English

Willcock, Gladys D., M.A. Prof.
Tompkins, Joyce M. S., M.A., D.Lit. Reader.
Green, Hilda A. C., M.A. Lectr.
Morgan, Margery M., M.A. Lectr.
Hyde, Isabel, M.A., M.Litt. Camb., Ph.D. Lectr.

French

Hunt, H. J., M.A., D.Phil. Oxon. Prof.

* For women. (Men are admitted for postgraduate work.)

West, Constance B., M.Litt. Camb., Ph.D. Lectr.
Brereton, Georgine E., B.A., B.Litt. Oxon. Lectr.
Aujac, Germaine J., Ag. des L. (France) Lectr.
Inebnit, Andrée M., B.A. Leeds Asst. Lectr.
2 Assistantes.

German

Tymms, R. V., M.A. Oxon. Reader.
Jenkins, S. Patricia, M.A. Lectr.
Salmon, P. B., M.A. Lectr.
1 Assistentin.

History

Hussey, Joan M., M.A., B.Litt. Oxon., M.A. Camb., Ph.D. Prof.
Latham, R. C., M.A. Camb. Reader.
Powell, Isabel G., M.A. Lectr.
Tomkinson, A., M.A. Oxon. Lectr.
Hughes, Kathleen W., B.A., Ph.D. Asst. Lectr.

Mathematics

McCrea, W. H., M.A., Ph.D. Camb., D.Sc. N.U.I., B.Sc., F.R.S., F.R.A.S. Prof.
Bradburn, Mary, Ph.D. Edin., M.Sc. Sr. Lectr.
Yates, Barbara G., B.A. Dub., Ph.D. Aberd. Lectr.
Reed, J. W., B.Sc. Syd. Lectr.
Hartley, E. Mary, M.A., Ph.D. Camb. Asst. Lectr.
Smith, D. H., M.A., Ph.D. Camb. Asst. Lectr.

Music

Scourse, Joan C., B.Mus. Lectr.
Legge, B. Pompilia, M.A. Oxon. Asst. Lectr.
Parker, Jean, F.R.C.O. Pt.-time Asst.

Physics

Tolansky, S., B.Sc. Durh., Ph.D. Durh. and Lond., D.Sc. Manc., F.R.S., F.R.A.S. Prof.
Smith, C. J., Ph.D., M.Sc. Lectr. and Asst. Dir. Phys. Lab.
Hutten, E. H., Ph.D. Berl. Lectr.
Edmondson, A. S., M.Sc. Lectr.
Reynolds, Patricia M., B.Sc. Asst. Lectr. and Demr.
. . . . . .

Zoology

Thomas, Joan G., B.Sc., Ph.D. Lectr.
Duncan, Annie, B.Sc. Asst. Lectr. and Demr.
Barnes, Vera, B.Sc. Edin. Asst. Lectr. and Demr.

ADMINISTRATIVE AND OTHER STAFF

Residence Officer: M. A. Ruth Dickson, M.A. Glas.; Principal's Private Secretary: Annie A. Divine, B.A.; Senior Asst. to the Secretary: M. Betty de M. Beaumont, B.Sc. Edin.; Assistant Registrar: Avril E. Batstone, M.A. Camb.; 1 Deputy Librarian; Lady Housekeeper: Constance C. Strachan; Nurses: Marjorie G. Moss; Elsie Hall.

GENERAL INFORMATION

Opened in 1886. A School of the Univ. in the Faculties of Arts and Sci. Became a Corporate Body, July 1949. Nineteen miles from London.

ADMISSION. There is a Scholarship and Entrance Examination, on the results of which admission is granted. *See also* p. 211 and App. I.

COURSES for first and higher degrees of the Univ. of London in Arts and Sci.

FEES. Undergraduates, £215 a yr. for tuition and residence; lab. fees, 1-2 gs. per yr. for each practical subject. Postgraduates, 10-24 gs.; residence,

£165 a yr. Special subjects (Music, Elocution, Art, etc.), ½-5 gs. a term. Registration, £2. Theoric (covering Union and games subscriptions), £1 : 10s.

ENTRANCE SCHOLARSHIPS. Four £60 Scholarships and eight £40 Scholps. may be awarded each yr. Awarded on basis of Entrance and Scholp. Examn. ; eligible for supplementation by Ministry of Educn. ; tenable for 3 yrs. subject to satisfactory progress of holder.

OPEN POSTGRADUATE AWARDS. *See* Appendix II.

LIBRARY. 43,350 books.

LABORATORIES. Bot., Chem., Phys., Zool.. Botanical Garden.

RESIDENCE. Residential accommodation for over 350—students and Staff.

STUDENT HEALTH SERVICE. Students are registered with the College doctor.

FACILITIES FOR ATHLETICS. There are facilities for athletics, cricket, hockey, lacrosse, netball, squash, tennis, gymnastics and swimming. Area of grounds, 95 acres.

PUBLICATIONS. *Calendar* (Oct.) ; *Prospectus* (July) ; *College Letter* (Old Students' Assocn.) (Dec.) ; *Erinna*, 1s. 6d. (Student Magazine) (April) ; *The Royal Holloway College*, 1887–1937 (Old Students' Assocn., 1937, o.p.).

THE YEAR 1952–53

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES AND COLLEGES. Prof. W. H. McCrea spent the year 1952–53 at Gonville and Caius Coll., Camb., where he held a Comyns-Berkeley Fellowship ; Prof. G. Williams spent last weeks of Summer Term examining, on behalf of the Univ. of Lond., at the Gold Coast U.C. and Ibadan U.C.

RETIREMENT. Miss A. Woodward (Lectr. in Classics, 1928–47, Reader, 1947–53).

RESIGNATIONS.—Dr. Gwendoline R. Bird (Chem.) ; J. C. W. De la Bere (Maths.), apptd. Sr. Lectr., Royal Naval Coll., Greenwich ; Miss S. S. Hooper (Bot.) ; Miss E. Thomas (Classics), apptd. Lectr. Cardiff U.C.

DEATHS. The Rt. Hon. Lord Ebbisham (Governor, 1927–44) ; Miss D. Everett (Asst. Lectr. in Engl., 1917–22) ; The Rev. J. Scott Lidgett (Governor, 1931–47) ; Sir T. W. J. Taylor (Governor, 1937–47).

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	22	6
Women	327	8
Total	349	14

Postgraduate students, 55.

New admissions, 112.

Students (full-time) from other countries, 10. (Countries from which largest numbers came : India, 3 ; Canada, 2 ; Egypt, 2.)

DEGREES AWARDED. *Arts* : B.A., 62; M.A., 2 ; B.Litt. (Oxon.), 1 ; *Sci.* : B.Sc., 42 ; Ph.D., 3. *Total number of first degrees awarded*, 104.

DIPLOMA AWARDED. Academic Postgrad. Dipl. in European Archæol., 1.

[*Information compiled as at* 17/6/54 ; *Staff list revised on* 11/10/54.]

ROYAL VETERINARY COLLEGE AND HOSPITAL

Founded 1791 ; admitted as a School of London University in the Faculty of Medicine, Oct. 1, 1949

Postal Address : Royal College Street, Camden Town, London, N.W.1, England.
Telegrams : Veternosis, London.
Telephone : Euston 5321.

CHAIRMAN OF THE EXECUTIVE COUNCIL—Professor Sir CHARLES LOVATT EVANS, LL.D., D.Sc., F.R.C.P., F.R.S.

ACTING PRINCIPAL—Professor J. MCCUNN.

BURSAR AND SECRETARY—H. W. J. ADAMS, B.A., F.C.I.S.

TEACHING STAFF

Anatomy

McCunn, J. Prof.
Dyce, K. M., B.Sc. Edin. Lectr.
Merlen, R. H. A. Lectr.
Drury, F. S. Asst. Lectr.

Animal Husbandry and Veterinary Hygiene

Scorgie, N. J., M.A., B.Sc. Aberd. Prof
Abrams, J. T., M.Sc., Ph.D. Sr. Lectr.
Harrop, A. E. Lectr.
Offord, E. C. Lectr.
Sainsbury, D. W. B., B.Sc. Asst. Lectr.

Bacteriology

Lovell, R., D.Sc., D.V.S.M. Manc., Ph.D. Prof.
Smith, J. E., B.Sc. Lectr.

Biochemistry

Marchant, R. H., B.Sc. Lectr.
Brundritt, Eileen, B.Sc. R'dg. Asst. Lectr.

Biology

Jackson, J. H., M.A., B.Sc. Aberd. College Reader.
Nisbet, R. H., Ph.D., B.Sc. Lectr.
Hunnam, Nora M., B.Sc. Asst. Lectr.
Davies, J. R., B.Sc. Birm. Asst. Lectr.

Chemistry and Physics

Clarke, E. G. C., M.A. Oxon., Ph.D. R'dg. Sr. Lectr.
Hawkins, A. E., B.Sc. Lectr.
Kefford, G. W., B.Sc. Asst. Lectr.
Treharne - Williams, Margaret, M.A. Camb. Lectr.
Armstrong, D. M. G., B.Sc. Asst. Lectr.

Histology and Embryology

Creed, R. F. S., M.A. Lectr.
Gan, J. K., D.Sc. Paris Asst. Lectr.

Jurisprudence

Lishman, T. Lectr.

Medicine, Veterinary

Burrow, H., D.V.S.M., F.R.San.I. Prof.
Allen, H. R. Reader.
Holmes, J. W. H., D.V.S.M. Reader.
Daykin, P. W., B.Sc. Lectr.
Greatorex, J. C., F.R.San.I. Sr. Lectr.
Lewis, E. F., F.R.San.I. Sr. Lectr.
Faull, W. B., B.Sc. Lectr.
Martin, I. L. Lectr.
Laing, P. W., B.Sc. Asst. Lectr.

Parasitology

Oldham, J. N., B.Sc., Ph.D. Edin. Reader.
Beresford-Jones, W. P., M.A. Lectr.
James, Phyllis M., M.Sc. Wales Asst. Lectr.

Pathology, Veterinary

Bosworth, T. J., M.A. Camb., B.Sc., D.V.S.M. Prof.
Cotchin, E. College Reader.
Ingram, P. L., B.Sc. Lectr.
Hawksley, M. B., B.Sc. Asst. Lectr.
Whitney, J. C. Asst. Lectr.

Pharmacology

Rosenberg, H., M.D. Berl., Ph.D. Reader.
Jewell, P. A., M.A., B.Sc., Ph.D. Lectr.

Physiology

Amoroso, E. C., B.Sc., M.B., B.Ch., B.A.O. N.U.I., Ph.D. Prof.
Bell, F. R., B.Sc. Durh., Ph.D. Sr. Lectr.
Hill, Margaret, B.Sc., Ph.D. Asst. Lectr.
Lawn, A. M. Lectr.
Kellas, Lorna, B.Sc. Aberd., Ph.D. Asst. Lectr.

Surgery, Veterinary

Formston, C., F.R.C.V.S. Prof.
Arthur, G. H., M.V.Sc. Liv. Reader.
Knight, G. C., F.R.C.V.S. Reader.
Vaughan, L. C. Lectr.
Jenner, F. H., B.Sc. Asst. Lectr.
Wilkinson, J. S. Asst. Lectr.
Hoe, Celia M. House Surgeon.
Weaver, Barbara M. Q. House Surgeon.

GENERAL INFORMATION

HISTORY AND CONSTITUTION. The Veterinary College of London was formed in 1791 under the presidency of the Duke of Northumberland, beginning with fourteen students upon the site at Camden Town that it occupies to-day. In 1875 the College received its first Charter of Incorporation from Queen Victoria. In 1936 a new Charter was granted. The College, which since 1906 has had Recognized Teachers of the Univ. of Lond., was admitted as a Sch. of the Univ. in the Fac. of Med. with effect from October 1949. It offers courses for registrable qualifications in veterinary med. and surg.

ADMISSION *See* p. 211 and App. I. Men and women students alike are admitted.

The LIBRARY includes a wide range of books and periodicals on veterinary and allied subjects and is available for use by students.

FEES. Tuition fees, £51 p.a.

ACADEMIC YEAR. Oct. to June. Three terms of ten weeks each.

STUDENT HEALTH SERVICE. The Coll. is affiliated to the Student Health Association of Univ. Coll., Lond. Students may consult the physician at stated times at the Royal Vet. Coll. and at all other times at the Health Centre of University College.

STUDENTS' UNION. Clubs and Societies, scientific, athletic and cultural, are open to all students.

PUBLICATIONS. *Prospectus*; *Annual Report*; *Incisor* (student magazine).

THE YEAR 1952–53

BENEFACTION. Under will of Miss A. E. Bacon, £1100.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	339	..
Women	17	..
Total	356	..

Postgraduate students, 1.

New admissions, 69.

Students (full-time) from other countries, 21. (Countries from which largest numbers came: Federation of Malaya, 3; India, 3; Nigeria, 3.)

DEGREES AND DIPLOMAS AWARDED. B.Sc. (Veterinary Science), 5; M.R.C.V.S., 63.

[*Information compiled as at* 5/6/54 ; *Staff list revised on* 11/10/54.]

SCHOOL OF ORIENTAL AND AFRICAN STUDIES

Founded 1916

Postal Address : University of London, London, W.C.1, England.
Telegrams and Cables : Soasul, Phone, London.
Telephone : Museum 2023/4/5, 8732.

PATRON—H.M. THE QUEEN.

VISITOR—THE MINISTER OF EDUCATION.

CHAIRMAN OF THE GOVERNING BODY—The Rt. Hon. THE EARL OF SCARBROUGH, K.G., G.C.S.I., G.C.I.E., T.D., D.C.L. Durh., LL.D.

DIRECTOR—Professor Sir RALPH TURNER, M.C., M.A., Litt.D. Camb., D.Litt. Ban., F.B.A.

SECRETARY—Lt.-Col. H. MOYSE-BARTLETT, M.B.E., M.A. Oxon.

TEACHING STAFF

Department of India, Pakistan and Ceylon

Bengali

Clark T. W., O.B.E., M.A. Lectr.

Gujarati

Dave, T. N., M.A., B.T. Bom., Ph.D. Lectr.

Hindi, v. also *Nepali*

Gaur, G. D., M.A. Luck. Lectr.

Hindustani

Judd, Capt. A. R. Temp. Lectr.

History of Indian Art

Rawson, P., M.A. Lectr.

Indian Archæology

Codrington, K. de B., M.A. Camb. Prof.

Indian Music

Bake, A. A., D.Litt. Utrecht, M.A. Oxon. Reader.

Indian Philosophy

Friedman, D., D.Litt. Ley. Lectr.

Marathi

Lambert, Hester M., M.A. Camb. (The Maharajah Gaekwad's Lectr.) Sr. Lectr.

Nepali (and Hindi)

Burton-Page, J., M.A. Oxon. Lectr.

Pali

Maskell, Mrs. Dorothy A. L., M.A. Camb., Ph.D. Lectr.

Sanskrit

Brough, J., M.A. Camb., M.A., D.Litt. Edin. Prof.

Turner, Sir Ralph, M.C., M.A., Litt.D. Camb., D.Litt. Ban., F.B.A. Pt.-time Prof.

Bake, A. A., D.Litt. Utrecht, M.A. Oxon. Reader.

Rylands, C. A., M.A. Camb. Sr. Lectr.

Gray, J. E. B., B.A. Dub. Lectr.

Sinhalese

Godakumbura, C. E., M.A., Ph.D. Temp. Lectr.

Reynolds, C. H. B., B.A. Oxon., B.A. Lectr.

Tamil and Telugu

Pathy, C. S. K., M.A. Edin. Lectr.

Urdu

Russell, R., M.A. Camb., B.A. Lectr.

Islam, K., M.A., Ph.D. Alig. Lectr.

Department of South-East Asia and the Islands

Art and Archæol. of South-East Asia

Christie, A. H., M.A. Manc. Lectr.

Burmese

Pe, Hla, M.A. Rang., Ph.D. Lectr.

Searle, H. F., M.A. Oxon. Temp. Lectr.

Allott, Anna J., B.A. Asst. Lectr.

Cambodian

Jacob, Mrs. Judith M., B.A. Camb. and Leeds Lectr.

History of South-East Asia

Hall, D. G. E., M.A., D.Lit. Prof.

Malay

Brown, C. C., B.A. Camb. Lectr.

Lewis, M. Blanche, B.A. Wales Lectr.

Môn

Shorto, H. L., M.A. Camb. Lectr.

Oceanic Languages

Milner, G. B., M.A. Camb. Lectr.

Old Javanese

Hooykaas, C., D.Litt. Ley. Reader.

Tai

Simmonds, E. H. S., M.A. Oxon. Lectr.

Vietnamese

Honey, P. J., B.A. Lectr.

Department of the Far East

Chinese

..... Prof.

Simon, W., Dr.Phil. Berl., D.Lit. Prof.

Lecturers

Birch, C., B.A.

Chinnery, J. D., B.A.

Downer, G. B., B.A.

Graham, A. C., B.A. Oxon., B.A., Ph.D.

Lee, Y., B.A. Peking.

Liu, J. J., B.A. Peking, M.A. Brist.

Liu, Mrs. Ch'eng Yin. Temp. Lectr.

Ma, L., B.Sc. Chengtu Temp. Lectr.

Malmquist, N. G. D., M.A., Lic. Phil. Stockholm Temp. Lectr.

Simon, H. F., B.A.

Tai, C. H., B.A. Peking, M.A. Col.

Tai, Mrs. Yu-Lin, B.A. Malaya, M.A. Col. Temp. Lectr.

Watkins, D. E., M.A. Oxon., B.A.

Whitaker, Mrs. Katherine P. K., B.A. Hong Kong, M.A. Oxon., Ph.D.

Waley, A. D., M.A. Camb., LL.D. Aberd., F.B.A. (C. Poetry) Hon. Lectr.

Wou, P., D. en D. Bordeaux. Temp. Lectr.

Chinese Philosophy

Lau, D. C., B.A. Hong Kong, M.A. Glas. Lectr.

Japanese

Daniels, F. J., B.Sc. (Econ.) Reader.

Lecturers

Dore, R. P., B.A.

Dunn, C. J., B.A.

Matsukawa, B.

Mills, D. E., M.A. Camb., B.A.

O'Neill, P. G., B.A.

Yanada, S., M.Econ. Tokyo.

Korean

Skillend, W. E., B.A. Camb. Lectr.

Tibetan

Snellgrove, D. L., M.A. Camb., Ph.D. Lectr.

Department of the Near and Middle East

Accadian

Saggs, H. W. F., B.D., M.Th., M.A. Lectr.

Ancient Semitic Languages and Civilizations

Smith, S., M.A., Litt.D. Camb., F.B.A., F.S.A. Prof.

Arabic

Guillaume, A., M.A., D.D. Oxon. Prof.

Serjeant, R. B., M.A. Edin., Ph.D. Camb. Reader.

Lecturers

Arafat, W., B.A., Ph.D.

Cowan, D., M.A.

Fakhry, M., M.A. Beirut, Ph.D. Edin.

Hopkins, J. F. P., B.A. Camb.

Jones, J. M. B., M.A., Ph.D.

Armenian

Topalian, S. Sr. Lectr.

Central Asian Studies

Henning, W. B., Dr.Phil. Gött. Prof.

Boyce, Norah E. M., M.A., Ph.D. Camb. (Iranian) Lectr.

Georgian

Lang, D. M., M.A., Ph.D. Camb. Lectr.

Hebrew, Modern

Wartski, I., B.A. (Ahad Ha'am Lectr.) Sr. Lectr.

Segal, J. B., M.C., M.A. Camb., D.Phil. Oxon. Lectr.

Hebrew Palæography and Epigraphy

Birnbaum, S. A., Dr.Phil. Würzb. Lectr.

Islamic Art and Archæology

Rice, D. S., D. de l'U. Paris Reader.

Kurdish

Edmonds, C. J., C.M.G., C.B.E. Temp. Pt.-time Lectr.

Persian

Lambton, Ann K. S., O.B.E., B.A., Ph.D., D.Litt. Prof.

Darab Khan, G. H., M.A. Sr. Lectr.

Topalian, S. Sr. Lectr.

Hakim-Ilahi, H. Lectr.

Savory, R. M., B.A. Oxon. Lectr

Turkish

Wittek, P. A., Dr.Phil. Vienna Prof.

Mundy, C. S., B.A. Sr. Lectr.

Topalian, S. Sr. Lectr.

Iz, F. Lectr.

Department of Africa

African Languages, Central

Richardson, I., B.A. Leeds Lectr.

African Languages, East

Tucker, A. N., M.A. Cape T., Ph.D., D.Lit. Prof.

African Languages, West

Lecturers

Arnott, D. W., M.A. Camb.

Berry, J., B.A. Leeds, Ph.D.

Hackett, P. E., M.A. Oxon.

Innes, G., M.A. Aberd.

Rowlands, Rev. E. C., M.B.E., M.A. Camb.

Winston, F. D. D., B.A. Camb.

African Music

Jones, Rev. A. M., M.A. Oxon. Temp. Lectr.

Bantu Languages

Guthrie, M., Ph.D., B.Sc. (Eng.) Prof.

Lecturers

Atkins, W. G., M.A. Oxon., D.Phil. Prague (E. Bantu Langs.).
Benson, T. G., M.A. Camb.
Rycroft, D. K., B.A. Rand.
Westphal, E. O. J., M.A. Rand. (S. Bantu Langs.)

Cushitic Languages

Andrzejewski, B. W., M.A. Oxon. Lectr.

Hausa

Parsons, F. W., B.A. Oxon. Lectr.

Swahili

Hollingsworth, L. W., M.B.E., B.A., Ph.D. Sr. Lectr.
Harries, Rev. L. P., M.A. Oxon. Lectr.

Department of Phonetics and Linguistics

Linguistics

Firth, J. R., O.B.E., M.A. Leeds (General Linguistics) Prof.

Lecturers

Albrow, K. H., B.A.
Allen, W. S., M.A., Ph.D. Camb. (Comparative L.).
Hughes, H. G. A., M.A. Oxon.
Mitchell, T. F., B.A.
Palmer, F. R., M.A. Oxon.
Robins, R. H., M.A. Oxon.

Assistant Lecturer

Asher, R. E., B.A.

Phonetics

Scott, N. C., B.A., B.Sc. Reader.
Henderson, Eugénie J. A., B.A. Reader.
Whitley, Mrs. Eileen M., B.A. Sr. Lectr.

Lecturers

Carnochan, J., B.A.
Jones, W. E., M.A. Leeds.
Price, P. I., B.A.
Sharp, A. E., M.A. Camb.
Sprigg, R. K., M.A. Camb.
Waterson, Mrs. Natalie, B.A.

Department of History

History of Eastern Africa

Lecturers

Oliver, R. A., M.A., Ph.D. Camb.
Hamilton, R. A., M.A. Oxon.

History of India and Further India

Philips, C. H., M.A. Liv., Ph.D. (Oriental Hist.) Prof.
Basham, A. L., B.A., Ph.D. Reader.
Ballhatchet, K. A., M.A. Camb. (Mod. Ind. Hist.) Lectr.
Hardy, P., M.A. Camb., Ph.D. (Muslim Period) Lectr.
Harrison, J. B., B.A. Camb. (Mod. Ind. Hist.) Lectr.

History of South-East Asia

Hall, D. G. E., M.A., D.Lit. Prof.
Cowan, C. D., M.A. Camb. Lectr.
Tinker, H. R., M.A. Camb., Ph.D. Lectr.

History of the Far East

Beasley, W. G., B.A., Ph.D. Prof.
van der Sprenkel, O. P. N. B., B.Sc. (Econ.) Lectr.

History of the Near and Middle East

Lewis, B., B.A., Ph.D. Prof.
Bowen, H. C. Reader.
Maitland-Muller, D. G., B.A. Lectr.
Parry, V. J., B.A. Oxon. and Wales Lectr.

History of West Africa

Jones, D. H., M.A. Liv. Lectr.

Department of Law

Anderson, J. N. D., O.B.E., M.A., LL.B. Camb. (Oriental L.) Prof.

Gledhill, A., M.A. Camb. (Oriental L.) Reader.

Lecturers

Allott, A. N., B.A. Oxon. (African L.).

Derrett, J. D. M., M.A. Oxon., Ph.D. (Hindu L.).

Kader, Shaikh A., Dr.Phil. Berl., Ph.D. (Islamic L.) Pt.-time Lectr.

Department of Cultural Anthropology

Asian Anthropology

Fürer-Haimendorf, C. von, D.Phil. Vienna Prof.

East African Languages and Cultures

Huntingford, G. W. B., B.Sc. Oxon. Lectr.

Indian Anthropology

Rosser, K. C., B.A. Camb Lectr.

ADMINISTRATIVE AND OTHER STAFF

Asst. Sec.: J. R. Bracken, M.A., B.Litt. Oxon. Accountant: Sheila E. H. Smith, B.A. Asst. Accountant: Beryl R. Hadland. Registrar: Kathleen M. Wooding, M.A. Oxon. Organizer of Special Courses: M. Gatehouse, B.A. Camb. Librarian: J. D. Pearson, M.A. Camb. Deputy Librarian: R. J. Hoy, B.Sc. (Econ.), F.L.A.

The PERCIVAL DAVID FOUNDATION OF CHINESE ART. Acting Hd.: Prof. Eve D. Edwards, M.A., D.Lit. Sec.-Librarian: Betsy W. D. Martin, M.A. Glas. Curator: Sheila J. David.

GENERAL INFORMATION

HISTORY. As a result of the recommendations of the Reay Cttee. in 1908, the School was established by Royal Charter in 1916 as the "School of Oriental Studies, London Institution," in Finsbury Circus; it was granted the status of a School of the Univ. and was later allocated space for a permanent (not yet fully completed) bldg. on the Bloomsbury site of the Univ. In 1938 among other amendments to the Charter the title of the Sch. was changed to "School of Oriental and African Studies." At outbreak of second World War it moved to Christ's Coll., Camb., but later returned to Lond. A large no. of intensive courses were given for service personnel, esp. in Chinese, Japanese, Burmese, Arabic, Turkish, Persian and Urdu, and much translation work was done for the various Ministries as well as censorship duties. Largely as a result of the Sch.'s initiative an Interdepartmental Commission was set up under the Earl of Scarbrough's chairmanship to report on the provision for teaching and res. at Univ. level in Oriental, Slavonic, E. European and African studies. The Commission recommended a substantial expansion of existing facilities and from 1947 large grants for Oriental and African studies have been made by the U.G.C. In accordance with the Commission's recommendation that the whole field of Oriental and African Studies should be developed in Lond., as against a more restricted development in other Univs., the Sch. devoted its energies in the 1st post-war quinquennium to building up strong, coherent academic depts., in which a proper balance is sought as between linguistic and cultural studies, and the classical and modern aspects of those studies. Since then the staff has been steadily strengthened by numerous new appts.

A School of the Univ. in Facs. of Arts and Laws.

INCOME (1952–53), £278,314. (Principal sources: govt. grants, 88 per cent.; contributions from official and private sources, 4½ per cent.; fees, 5 per cent.)

The PERCIVAL DAVID FOUNDATION OF CHINESE ART (*Postal Address*: 53 Gordon Square, London, W.C.1.; *Telephone*: Euston 3909), attached to and administered by the School, comprises Collection of Chinese Ceramics and associated library presented to Univ. by Sir Percival David in 1950, to which was added in 1952 a large collection of Chinese monochrome porcelains given by the Hon. Mountstuart W. Elphinstone. Its object is promotion and teaching of art and culture of China and surrounding region.

LIBRARY. Approx. 155,000 printed books and pamphlets, and 1500 manuscripts, inc. approx. 16,000 books in the library of Sir Reginald Johnston.

ADMISSION. *See* p. 211 and App. I.

COMMERCIAL COURSES. The Sch. is prepared to provide intensive courses to meet the requirements of staff of British firms engaged in overseas commerce, subject to a sufficient demand. They will normally include intensive lang. study and lectures on hist., culture, law, religions and commerce of the area concerned. Details from Organizer of Special Courses.

COLONIAL SERVICE COURSES. Although Colonial Administrative Service Probationers are now assigned either to Oxon. or to Camb. for their prelim. trg., instruction in certain langs. will continue to be provided at the School. Courses in lang. and Oriental and African Laws are also provided for officers of the Service on leave.

FEES. First Degree or Dipl., 33 gs. per session; Higher Degree, 20 gs. per session; for fees for other regular courses application should be made to the Registrar; Registration Fee (on first admission), 1 guinea; Student Union Subscription, 10s. per term.

SCHOLARSHIPS, ETC. Forlong Scholarships, value £150, and Forlong Exhibitions, value £50, are awarded as funds become available. 5 Governing Body Undergrad. Scholps. (value £40 p.a.) offered annually on results of examn. held by London Intercollegiate Scholarships Board (tenable for 3 sessions). Governing Body Postgrad. Exhibitions, value £40, tenable for one session with possibility of renewal. Max. of 4 Exhibitioners at any one time. Millicent Harrington Scholp., value £40, tenable for 2 sessions, with possibility of renewal for one further session for study of Tibetan or other langs. relevant to Buddhist studies for a higher degree of Univ. of Lond.

STUDENT UNION. All School students entitled to facilities, including membership of Jr. Common Room, facilities for sport and social clubs. Affiliated to Univ. Union.

PUBLICATIONS. *Calendar* (free); *Annual Report* (free); *Bulletin* (30s. per part).

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. *Commonwealth Govts.*: India, General Funds, £1000; Nizam's Readership in Urdu, £250; Pakistan, £500; Ceylon, £500. *Colonial Govts.*: Nigeria, Uganda, Tanganyika, Gold Coast, £500 each; Kenya, Sierra Leone, £200 each; Northern Rhodesia, Somaliland Protectorate, £100 each; Nyasaland, Gambia, Zanzibar, £50 each; Malaya, £365; Singapore, £210; Hong Kong, £350; Sarawak, Fiji, £50 each. *Other Contributors*: Govt. of Sudan, £400; Govt. of Iraq, £100; Anglo-Iranian Oil Co. Ltd., £2000; Iraq Petroleum Co. Ltd., £2000; Shell Petroleum Co. Ltd., £1262; Kuwait Oil Co., £250; Nathan and Adolphe Haendler Charity, £400; Humanitarian Trust, £100; National Bank of India, Ltd., £91.

NEW POSTS. 3 new Readers, 13 new Lectrs., 7 Assts.

COMMERCIAL COURSES. 13 courses, to which 11 different firms sent representatives, arranged in Arabic, Hindustani, Hausa, Japanese, Malay, Siamese, Swahili and Yoruba.

COLONIAL SERVICE COURSES. 33 Cadets allocated to London attended for 2 days a wk. for lang. instrucn. in Depts. of S.E. Asia and the Islands; Far East; Africa; and Phonetics and Linguistics. 8 Officers home on leave chose lang. or Oriental Laws as optional subj. for Devonshire II course and received instrucn. at the Sch. In addition, 63 Admin. and Specialist Officers attended courses varying from a few wks.' instrucn. to a full term in Depts. of S.E. Asia and the Islands; Far East; Nr. and Middle East; Africa; and Phonetics and Linguistics.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. G. H. Luce (formerly of Rangoon); Prof. K. Enoki (Tokyo).

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Dr. W. S. Allen, Summer Sch. of Linguistics, Indiana; Dr. A. A. Bake, Basle, Berne, Zür., Cologne, Heidel. and Fribourg; C. D. Cowan, Hamburg; Prof. A. Guillaume, Istanbul; Prof. D. G. E. Hall, Univs. in Thailand, Indonesia, Malaya and Burma; Dr. D. M. Lang, Col.; Dr. D. A. L. Stede, Penn. 12 other members of staff granted leave for periods of up to one session to visit other countries, principally in Asia and Africa, for res., lectures, official missions, etc.

RETIREMENTS. R. A. D. Forrest (Tibeto-Burman Langs.); M. S. H. Thompson (Tamil); M. A. Azzam (Arabic); H. H. Bilgrami (Urdu); P. E. E. Fernando (Sinhalese); Zong-in-Sob (Korean).

RESIGNATIONS. Prof. C. R. Boxer (Hist. of Far East), apptd. to Camoens Chair of Portuguese, King's Coll.; E. G. Pulleyblank (Hist. of Far East), apptd. to Chair of Chinese, Camb. U.; R. H. B. Williams (Indo-Aryan), apptd. to staff of Unesco.

DEATHS. Sir Arthur Hearn (Member of Governing Body, 1936–52); Dr. B. Mouat Jones (Member of Governing Body, 1950–53 and Vice-Chairman 1952–53); J. E. Kempe (Lecturer in Malay, 1944–46).

HONORARY FELLOWSHIPS. Conferred on F. J. Richards and Lieut.-Col. D. L. R. Lorimer.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	195	237
Women	42	58
Total	237	295

Postgraduate students, 113.
New admissions, 430.
Students (full-time) from other countries, 210. (Countries from which largest numbers came: India, 44; Pakistan, 21; U.S.A., 20; Egypt, 9; Burma, 7; Ceylon, 6.)

DEGREES AWARDED. *Arts*: B.A., 14; M.A., 4; Ph.D., 11. *Laws*: Ph.D., 1.

DIPLOMA AWARDED. *African Languages*, 1.

[*Information compiled as at* 20/5/54 ;
Staff list revised on 5/10/54.]

SCHOOL OF PHARMACY

Founded 1842 ; incorporated by Royal Charter 1952

Postal Address : 17 Bloomsbury Square, London, W.C.1, England.
Telephone : Holborn 7456.

CHAIRMAN OF COUNCIL—Sir HARRY JEPHCOTT, M.Sc., F.R.I.C.

DEAN—Professor H. BERRY, B.Sc., Dip.Bact., F.R.I.C.

CLERK TO THE COUNCIL AND SECRETARY—S. R. CURTIS, B.A.

TEACHING STAFF

Pharmaceutical Chemistry

Linnell, W. H., M.Sc., Ph.D. Durh., D.Sc., F.R.I.C. Prof. (A.).
Saunders, L., B.Sc., Ph.D., F.R.I.C. Sr. Lectr. (R.).

Lecturers

Askam, V., B.Sc., Ph.D.
Glenn, A. L., B.Pharm., B.Sc., Ph.D.
Mathieson, D. W., B.Sc. Glas., Ph.D.
Sharp, L. K., B.Sc., Ph.D., F.R.I.C. (R.).

Assistant Lecturers

Cowell, D. B., B.Pharm.
Fleming, R., B.Pharm.
Smith, H. J., B.Pharm.

Pharmaceutics

Berry, H., B.Sc., Dip. Bact., F.R.I.C. Prof. (A.).
Shotton, E., B.Sc., F.R.I.C. Sr. Lectr. (R.).

Lecturers

Briggs, A., B.Pharm.
Cook, A. M., B.Pharm., Ph.D., Dip. Bact., F.R.I.C. (R.).
Ridout, C. W. T.
Train, D., M.C., B.Pharm., B.Sc. (Eng.).
Wibberley, K., B.Pharm.
Wills, B. A., B.Pharm. Nott.

Pharmacognosy

Fairbairn, J. W., B.Sc., Ph.D., F.R.I.C., F.L.S. Reader (A.).
Challen, S. B., B.Pharm., B.Sc., F.L.S. Lectr.
Gibson, W. J. Lectr.
Lees, Margaret D., B.Pharm. Asst. Lectr.

Pharmacology

Buttle, G. A. H., O.B.E., M.A. Camb. Wellcome Prof. (A.).

Lecturers

Hodges, J. R., B.Pharm., Ph.D.
Mann, Monica R., B.Pharm., Ph.D. (R.).
Somers, G. F., B.Sc., Ph.D. (R.).

Assistant Lecturers

Bowman, W. C., B.Pharm.
D'Arcy, P. F., B.Pharm.
Cox, G. S., B.Pharm.

(A.) = Appointed Teacher.
(R.) = Recognized Teacher of the Univ. of London.

GENERAL INFORMATION

The School, founded by the Pharmaceutical Society of Great Britain in 1842, was admitted as a School of the Univ. in 1925. Control of the School was transferred from the Pharmaceutical Society to a Company limited by guarantee in 1949. A Royal Charter of Incorporation was granted to the School in 1952. The Council of the School, as now constituted, includes representatives of the Univ. of London, the Pharmaceutical Society and the Academic Board, as well as certain co-opted members. There is an Academic Board which acts in an advisory capacity. The School will move to a new building in Brunswick Sq. as soon as this is completed.

All undergraduate entrants to the School work for the B.Pharm. Hons. degree. All depts. of the School are available for postgraduate and research work, and the respective Professors and Heads of Depts. are always prepared to advise students wishing to undertake research.

All students are entitled to use the Library of the Pharmaceutical Society, which is in the same building.

The School is open to men and women students. For admission requirements *see* p. 211 and App. I. Foreign students are admitted on the same terms as British, but are expected to produce identification papers.

FEES. For the B.Pharm. (Final) degree, £50 p.a.

THE YEAR 1952–53

BUILDINGS. The School continued to occupy addtl. premises, made available by Birkbeck Coll. and Royal Veterinary Coll. and Hospital, as temporary alleviation of overcrowding. Despite good progress being made towards completion of new bldg. in Brunswick Square, it is not expected that first section will be occupied till 1955–56

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	70	3
Women	38	..
Total	108	3

Postgraduate students, 13 (12 men and 1 woman ; all full-time).

New admissions, 32 (21 men, 11 women).

Students (full-time) from other countries, 19. (Countries from which largest numbers came : India, 6 ; Egypt, 4.

DEGREES AWARDED. B.Pharm. (Hons.), 28 ; Ph.D., 1.

[*Information compiled as at* 15/6/54 ;
Staff list revised on 11/10/54.]

UNIVERSITY COLLEGE

Founded 1826 ; incorporated in the University of London, 1907

Postal Address : Gower St., London, W.C.1, England.
Telegrams and Cables : University College London.
Telephone : Euston 4400.

CHAIRMAN OF THE COLLEGE COMMITTEE—The Rt. Hon. LORD COHEN.

TREASURER—Sir FREDERICK JAMES, O.B.E.

PROVOST—B. IFOR EVANS, M.A., D.Lit.

SECRETARY—E. A. L. GUETERBOCK, M.A. Camb.

LIBRARIAN—J. W. SCOTT, B.A.

TEACHING STAFF

Anatomy and Embryology

Young, J. Z., M.A. Oxon., F.R.S. (Anat.) Prof.
Abercrombie, M., M.A., B.Sc. Oxon. (Embryol.) Reader.
Richardson, K. C., M.Sc. W.Aust. (Histol.) Reader.
Aitken, J. T., M.D. Glas. (Anat.) Reader.
Ludford, R. J., D.Sc., Ph.D. (Cytol.) Hon. Lectr.
Shanks, S. C., M.D. Glas., F.R.C.P., F.F.R. Hon. Radiologist.

Lecturers

Evans, D. H. L., M.B., B.S.
Hamlyn, L. H., M.B., B.S.
James, D. W., M.B., B.S.
Quilliam, T. A., M.B., B.S., D.L.O. (on leave).
Sholl, D. A., B.Sc.
Hayhow, W. R., M.B., B.S. Syd. Temp. Lectr.

Assistant Lecturers

Deuchar, Elizabeth M., Ph.D. Edin.
Guillery, R. W., Ph.D.
Henderson, Ursula E., M.B., B.S.

Hon. Research Associates

Johnson, Minnie L., B.Sc., Ph.D. Birm.
Roberts, F., M.Sc. Harv.
Wyckoff, R. W. G., Ph.D. Corn., M.D. Masaryk, Sc.D. Stras.

Hon. Research Assts.

Cragg, B. G., M.A. Camb., Ph.D.
Heaysman, Joan E. M., Ph.D.
Howe, A., B.Sc.
Jungmann, H., M.D. Berl.
Santler, Joyce E. G., B.Sc.
Stratmann, C. J., M.Sc., Ph.D. Melb.
Taylor, W. K., M.Sc. Manc.
Thomas, P. K., B.Sc., M.B., B.S.
Stanier, J. P., B.A. Camb. Res. Asst.

Venning, P. Radiographer.
Turlington, E. Rosalind Artist.
Blount, W. P., T.D., Ph.D., F.R.C.V.S.
Hon. Vet. Consultant in Fac. of Med. Sciences.

Anthropology

Forde, C. D., Ph.D. Prof.
Kaberry, Phyllis M., M.A. Syd., Ph.D. Reader.
Barnicot, N. A., Ph.D. (Physical Anthropol.) Reader.
Douglas, Mrs. M. Mary, M.A., D.Phil. Oxon. Lectr.
Ladell, W. S. S., B.A., M.B., B.Chir. Camb. Hon. Lectr.
Smith, Mrs. Marian W., Ph.D. Col. Hon. Res. Assoc.
Higgin, Mrs. Davida W., B.S. Ill., M.A. Chic. Asst. Lectr.
Stenning, D. J., M.A. Camb. Asst. Lectr.
Bradbury, R. E., B.A. Res. Asst.
Rehfisch, F. M., B.A. Calif. Res. Asst.
Sunderland, E., M.A. Wales Res. Asst.

Archæology

Robertson, C. M., M.A. Camb. (Classical Art and Archæol.) Yates Prof.

Architecture (Bartlett School)

Corfiato, H. O., F.S.A., F.R.I.B.A. Prof.
Wilson, H. Warren Sr. Lectr. and Dir. of Div. of Decoration.
Ritchie, T., F.R.I.B.A. (Building Construction) Sr. Lectr.
Hyde, S., F.R.I.B.A. Sr. Lectr.
White-Cooper, R. C., M.C., B.A., F.R.I.B.A. Sr. Lectr. and Tutor.

Lecturers

Eden, W. A., M.A. Liv., F.S.A., F.R.I.B.A.
Fisher, R. J.
Foyle, A. M., B.A.
Plant, C. G. H.
Smeed, C. W. J.
Thomson, S. L., F.R.I.B.A.
Richardson, E. G., B.A., D.Sc., Ph.D. (Acoustics) Hon. Lectr.

Art (Slade School of Fine Art)

Coldstream, W. M., C.B.E Slade Prof. and Hd. of Slade School.
Gerrard, A. H. (Sculpture) Prof.
Wittkower, R., Ph.D. Berl. (Hist. of Art) Durning-Lawrence Prof.
Carter, B. A. R., M.A. Camb. Lectr.
Townsend, W. Lectr.
Jenkin, I. E. T., M.A. Camb. Sec. and Tutor.

24 Assts.

Astronomy

Allen, C. W., D.Sc. W.Aust. Perren Prof. and Dir. of Observatory.
Sweet, P. A., M.A., Ph.D. Camb. Lectr. and Asst. Dir. of Observatory.
Foster, E. W., B.Sc. Lectr.
Garstang, R. H., M.A., Ph.D. Camb. Lectr.

Bibliography, v. English and Librarianship

Biochemistry

Baldwin, E. H. F., Ph.D. Camb. Prof.
Kerly, L. Margaret, M.A. Camb., Ph.D. Reader.
Crook, E. M., M.Sc. Melb., Ph.D. Camb. Reader.

Lecturers

Datta, S. P., B.Sc., M.B., B.S.
Greenbaum, A. L., Ph.D.
Law, Kathleen, M.Sc. Melb., Ph.D.
Ottaway, J. H., Ph.D.
Shooter, E. M., M.A., Ph.D. Camb.
Albert, Prof. A., D.Sc., Ph.D. Hon. Lectr.

Dent, C. E., B.Sc., Ph.D., M.D., F.R.I.C. Hon. Lectr.
Falk, J. E., M.Sc. Syd., Ph.D. Hon. Lectr.
Gray, Prof. C. H., M.D., D.Sc., F.R.I.C. Hon. Lectr.
Work, Mrs. Elizabeth, B.A. Camb., Ph.D., D.Sc. Hon. Lectr.
Clarke, Mrs. Patricia H., B.A. Camb. Asst. Lectr.
Rabin, B. R., M.Sc. Asst. Lectr.
Rees, K., M.Sc., Ph.D. Asst. Lectr.
Grzybowski, A. K., B.Sc. Res. Asst.

Biophysics

Katz, B., M.D. Leipzig, Ph.D., D.Sc., F.R.S. Prof.
Abbott, B. C., Ph.D. (on leave) Lectr.
del Castillo-Nicolau, J., M.D. Madrid Lectr.
Harris, E. J., Ph.D., D.Sc., D.I.C. Lectr.
Burke, W., B.Sc. Asst. Lectr.
Caldwell, P. C., M.A., D.Phil. Oxon. Asst. Lectr.
Ginsborg, B. L., B.Sc. R'dg. Asst. Lectr.
Martin, A. R., B.Sc. Manit. Res. Asst.
Edwards, C., Ph.D. Johns H. Hon. Res. Asst.
Parkinson, J. L. Asst. and Faculty Supt.

Botany

Pearsall, W. H., D.Sc. Manc., F.R.S. Quain Prof.
Fogg, G. E., Ph.D. Camb., B.Sc. Reader.

Lecturers

Bell, P. R., M.A. Camb.
Fowden, L., Ph.D.
Syrett, P. J., M.A. Camb.
Tristram, H., B.Sc. Sheff.
White, D. J. B., Ph.D.
Beruh, Sonja, B.Sc. Asst. Lectr.
Dewey, D. L., M.A. Camb., Ph.D. Res. Asst.
Gay, Mrs. Joyce, B.Sc. Res. Asst.
Collyer, Dorothy M., B.Sc. Hon. Res. Asst.
Miller, J. D. A., B.Sc. Durh. Hon. Res. Asst.
1 Quain Student.

Chemical Engineering, v. Engineering

Chemistry

Ingold, C. K., D.Sc., F.R.S. Prof. and Dir. of Labs.
Hughes, E. D., Ph.D. Wales, D.Sc., F.R.I.C., F.R.S. Prof.
Lonsdale, Kathleen, D.Sc., F.R.S. Prof.
Nyholm, R. S., D.Sc. Prof.
Brady, O. L., D.Sc., D.I.C., F.R.I.C. (Org. C.) Reader.
Maccoll, A., M.Sc. Syd., Ph.D. Reader and Asst. Tutor.
Poole, H. G., M.Sc. Melb., Ph.D. Reader.
Terrey, H., B.Sc. Sp. Lectr.
Day, J. N. E., M.Sc., Ph.D. Sr. Lectr.
Gilbert, L. F., B.Sc., F.R.I.C. Sr. Lectr.

Lecturers

Allen, A. D., Ph.D.
Bunton, C. A., Ph.D.
Davies, A. G., Ph.D.
de la Mare, P. B. D, M.Sc. N.Z., Ph.D.
Gillespie, R. J., Ph.D.
Llewellen, D. R., D.Phil. Oxon., F.R.I.C.
Millen, D. J., Ph.D.
Pocker, Y., M.Sc. Jerusalem, Ph.D.
Vernon, C. A., B.Sc.
Wassermann, A., Ph.D. Munich, D.Sc.

Assistant Lecturers

Dunn, T. M., M.Sc. Syd.
King, G. W., Ph.D.
Ridd, J. H., Ph.D.

Hon. Research Associates

Grenville-Wells, H. Judith, M.Sc. S. A., Ph.D.

Iredale, T., D.Sc.

Hon. Research Assts.
Mason, R., Ph.D.
Patai, S., M.Sc., Ph.D. Jerusalem.
Saito, K., D.Sc. Tokyo.

Civil and Municipal Engineering v. Engineering

Classics
Skutsch, O., Dr.Phil. Gött. (Lat.) Prof.
Webster, T. B. L., M.A. Oxon., F.S.A. (Gk.) Prof.
Turner, E. G., M.A. Oxon. (Papyrology) Prof.
McLellan, R. D., Ph.D. (Lat. and Gk.) Sr. Lectr.
Kells, J. H., M.A. Camb. (Lat. and Gk.) Sr. Lectr.

Lecturers
Browning, R., M.A. Glas. and Oxon. (Lat. and Gk.).
Coffey, M., M.A. Camb. (Lat. and Gk.).
Cunningham, Margaret L., B.A. Oxon. (Gk. and Lat.).
Furley, D. J., M.A. Camb. (Gk. and Lat.).
Handley, E. W., M.A. Camb. (Gk. and Lat.).
Willis, J. A., Ph.D. (Lat. and Gk.).
Ventris, M. G. F., F.S.A. (Gk.) Hon. Res. Assoc.
1 Asst.

Danish, v. Scandinavian

Dutch History and Institutions, v. History

Economics, v. Polit. Econ.

Egyptology and Coptic
Emery, W. B., M.B.E., M.A. Liv., F.S.A. Edwards Prof.
Arkell, A. J., M.B.E., M.C., B.Litt. Oxon., F.S.A. (Egyptian Archæol.) Reader.

Electrical Engineering, v. Engineering

Embryology, v. Anatomy

Engineering, Chemical
Donald, M. B., M.Sc. M.I.T., F.R.I.C. Ramsay Memorial Prof.
Mullen, J. P., M.Eng. Liv. Sr. Lectr.
Barnard, J. A., Ph.D., D.I.C. Lectr.
Norman, W. S., M.Sc. Liv., Ph.D. Lectr.
Thorp, H. W., B.Sc. Lectr.
Ridgway, K., B.Sc. (Eng.) Asst. Lectr.
Lunt, R. W., M.Sc., Ph.D. Liv., M.Sc. (Eng.), F.I.P. Hon. Lectr.

Engineering, Civil and Municipal
Collins, H. J., M.C., M.Sc. (Eng.) Birm. Chadwick Prof. and Dir. of Civil and Mun. Engin. Labs.
Thompson, E. H., O.B.E., B.A. Camb. (Surveying and Photogrammetry) Prof.
Miskin, E. A., M.A. Oxon., B.Sc. Sheff., Ph.D. (Photogrammetry) Reader.
Capper, P. L., T.D., M.Sc. (Eng.) Sr. Lectr.
Jessop, H. T., T.D., M.Sc., F.I.P. (Photoelasticity) Temp. Sr. Lectr.
Delafield, Prof. M. E., M.C., B.A., M.B., B.Chir. Camb., D.P.H., F.R.San.I. (Hygiene) Sp. Lectr.

Lecturers
Andren, C. P., M.Sc. (Eng.).
Biddle, C. A., M.A. Camb., F.R.I.C.S.
Elvery, R. H., B.Sc. (Eng.).
Kemp, K. O., B.Sc. (Eng.).
Kemp, P. H., B.Sc. (Eng.).
Oakley, H. R., M.Sc. (Eng.).
Snell, C., M.Sc.

Wilkins, R. J., M.Sc. (Eng.).
Johnston, Wendye E. Res. Asst.
2 Demrs.

Engineering, Electrical

Barlow, H. E. M., B.Sc. (Eng.), Ph.D.
Pender Prof. and Dir. of Labs.
Brailsford, F., B.Sc. (Eng.), Ph.D.
Prof.
Marriott, H., B.Eng. Sheff., B.Sc. (Econ.) Sr. Lectr.

Lecturers

Cullen, A. L , B.Sc. (Eng.), Ph.D.
Lectr. and Dep. Supt. of Res. Labs.
Brookes, B. C., M.A. Oxon.
Gimson, C. E., M.Sc. (Eng.) Nott.
Kenshole, G. E., B.Sc. (Eng.), B.A.
Parr, G.
MacGregor-Morris, Prof. J. T., D.Sc. (Eng.)
Hon. Res. Assoc.
1 Asst.

Engineering, Mechanical

Lloyd-Evans, B. J., M.Sc. (Eng.), Ph.D. Kennedy Prof.

Lecturers

Billett, H., B.Sc. (Eng.) Birm.
Jackson, K. L., M.Sc. (Eng.).
Lambert, T. H., B.Sc. (Eng.).
Massey, B. S., B.Sc. (Eng.), Ph.D.
Walker, T. H., M.Eng. Sheff.

English

Smith, A. H., O.B.E., Ph.D. Leeds, D.Lit. Quain Prof.
Sutherland, J. R., M.A. Aberd., B.Litt. Oxon., F.B.A.
Lord Northcliffe Prof.
Kane, G. J., M.A. Tor., Ph.D.
Reader.
Greg, Sir Walter, Litt.D. Camb., D.Litt. Oxon., LL.D. Edin., F.B.A. (Bibliog.) Hon. Lectr.
Husbands, H. Winifred, M.A.
Sr. Lectr. and Asst. Tutor.
Thomas, D., B.A. Camb.
Hon. Res. Assoc.

Lecturers

Brown, A., M.A.
Greenslade, B. D., B.A.
Haddakin, Mrs. Lilian F., M.A., Ph.D.
Hulme, Hilda M., M.A., Ph.D.
Nowottny, Mrs. Winifred M. T., M.A.
Palmer, K. J., M.A.
Quirk, C. R., M.A., Ph.D.
Spencer, T. J. B., Ph.D.
1 Asst., 1 Quain Student.

Eugenics, Biometry and Genetics

Haldane, J. B. S., M.A. Oxon. and Camb., D. de l'U. Paris, Hon. D.Sc. Groningen, F.R.S.
(Biometry) Weldon Prof. and Hd. of Dept.
Penrose, L. S., M.A., M.D. Camb., F.R.S.
(Eugenics) Galton Prof.
Grüneberg, H., Ph.D. Berl., M.D. Bonn, D.Sc.
(Genetics) Reader.

Lecturers

Holt, Mrs. Sarah B., B.Sc. Brist., Ph.D. (Eugenics).
Kalmus, H., M.D., D.Sc. Prague
(Eugenics).
Karn, M. Noel, M.A. Camb.
(Eugenics).
Smith, C. A. B., M.A., Ph.D. Camb.
(Eugenics).
Spurway, Helen, Ph.D.
(Genetics).
Bell, Julia, M.A. Dub., F.R.C.P.
(Eugenics) Hon. Res. Assoc.
Harris, H., M.A., M.D. Camb.
(Eugenics) Hon. Lectr.
Deol, M. S., Ph.D.
(Genetics) Hon. Res. Asst.

Mittwoch, Ursula, Ph.D. (Eugenics) Asst. Lectr.
Lawler, Mrs. Sylvia D., M.D. (Eugenics) Hon. Res. Asst.
Robson, Elizabeth B., B.Sc. Durh. Hon. Res. Asst.
Smith, Mrs. Sheila M., B.A. Camb. Hon. Res. Asst.
Truslove, Gillian M., Ph.D. (Genetics) Hon. Res. Asst.

French, v. also Hist.

Woledge, B, M.A. Leeds, D. de l'U. Paris Fielden Prof.
Schlumberger, Beatrice J., M.A. Sr. Lectr.
Tancock, L. W., Ph.D. Sr. Lectr.
Starke, Dora, M.A. Lectr. and Asst. Tutor.

Lecturers

Hall, G., Ph.D.
King, C. D., Ph.D.
Lequet, A. E. A., L. ès L., D.E.S. Paris, B.A.
Smith, C., M.A. Manc., Ph.D.
Underwood, V. P., D. ès L. France, Ph.D.
Walker, D. P., Ph.D. Oxon. (on leave).
Hill, Christine M., M.A. Oxon. and Manc. Temp. Asst. Lectr.
Curtis, Renée L., Ph.D. Res. Asst.
4 Assts.

Geography

Darby, H. C., O.B.E., M.A., Ph.D. Camb. Prof.
Fleure, Prof. H. J., M.A. Manc., D.Sc. Wales, LL.D. Edin., Sc.D. Bowdoin, F.R.S. Hon. Lectr.
Mead, W. R., M.Sc. (Econ.), Ph.D. Reader.
Brown, E. H., M.Sc. Wales Lectr. and Asst. Tutor.
Coppock, J. T., M.A. Camb. Lectr.
Law, B. R., B.Sc. (Econ.) Lectr.
Sinnhuber, K. A., D.Phil. Innsbruck Lectr.
McCaskill, M., M.A. N.Z. Temp. Lectr.
Prince, H. C., M.A. Asst. Lectr.
Ricks, D. M., B.A. Asst. Lectr.
McCarthy, A. J. P., M.A. Syr. Res. Asst.
..... Res. Asst.

Geology

Hollingworth, S. E., M.A. Camb., D.Sc. Yates-Goldsmid Prof.
Barnard, T., Ph.D., D.I.C. (Micropalæontol.) Reader.
Bradshaw, R., M.Sc. Lectr.
Capewell, J. G., Ph.D. Lectr.
Wells, M. K., M.Sc., Ph.D. Lectr.
Hudson, R. G. S., D.Sc. Hon. Lectr.

German

Forster, L. W., M.A. Camb., Dr.Phil. Basle Prof.
Wilkinson, Elizabeth M., Ph.D. Reader.
Schwarz, W., M.A., Ph.D. Lectr. and Asst. Tutor.
Rowley, B. A., M.A., Ph.D. Camb. Lectr.
Wells, G. A., M.A. Lectr.
Hamburger, M. P. L., M.A. Oxon. Asst. Lectr.
Mowatt, D. G., B.A. Asst. Lectr.

Hebrew

Stein, S., Ph.D. Heidel. Goldsmid Sr. Lectr.
Wiesenberg, E., Ph.D. Lectr.
Weisz, G., M.A. Jerusalem Asst. Lectr.

History

Neale, J. E., M.A. Liv. and Manc., D.Litt. Wales, F.B.A. (Engl. H.) Astor Prof. and Hd. of Dept.
Bellot, H. Hale, M.A. Oxon. (Amer. H.) Commonwealth Fund Prof.
Cobban, A. B. C., M.A., Ph.D. Camb. (French H.) Prof.

Humphreys, R. A., O.B.E., M.A., Ph.D. Camb.
(Latin Amer. H.) Prof.
Momigliano, A. D., M.A. Oxon., D.Litt. Turin
(Ancient H.) Prof.
Renier, G.J., Phil.Lit.cand. Ghent, Ph.D.
(Dutch H. and Institns.) Prof.
Hurstfield, J., B.A.
(Mod. H.) Reader.
Reddaway, T. F., M.A. Camb.
(London H.) Reader.
Davis, R. H. C., M.A. Oxon.
(Engl. H) Lectr. and Asst. Tutor.

Lecturers

Barrow, G. W. S., M.A. St. And., B.Litt. Oxon. (Engl. H.).
Christie, I. R., M.A. Oxon. (Engl. H.).
Drower, Margaret S., M.B.E., B.A. (Ancient H.).
Morris, J. R., B.A. Oxon., Ph.D. (Ancient H.).
Taylor, A. J., M.A. Manc. (Engl. H.).
Thompson, F. M. L., M.A. Oxon. (Engl. H.)
Pole, J. R., B.A. Oxon., Ph.D. Prin.
(Amer. H.) Asst. Lectr.
Miller, Helen J., M.A.
(Engl. H.) Res. Asst.

Italian

Weiss, R., B.A. Oxon. Prof.
Duncan, D. S., B.A. Lectr.
Aquilecchia, G., Dott. Lett. Rome
Asst. Lectr.

Laws

Keeton, G. W., M.A., LL.D. Camb. (Engl. L.)
Prof., Hd. Dept. of Laws.
Williams, G. L., M.A., LL.D. Camb. (Jurispr.) Quain Prof.
FitzGerald, R. C., LL.B., F.R.S.A.
(English L.) Prof.
Lloyd, D., M.A. Camb., LL.B.
(English L.) Reader.
Powell, R., D.C.L. Oxon.
(Law) Reader.
Schwarzenberger, G., Dr.Jur. Tübingen, Ph.D. (Internat. L.)
Reader.
O'Sullivan, R., Q.C. (English L.)
Hon. Lectr.
Forrest, R. M., LL.M.
Hon. Lectr.

Lecturers

Cheng, B., Ph.D., Lic.-en-Dr. Geneva (Internat. L.).
Green, L. C., LL.B. (Internat. L.).
Holland, D. C., M.A. Camb. (English L.).
Ivamy, E. R. H., Ph.D. (English L.).
Latham, Miss Valentine, LL.M.
Marshall, O. R., M.A. Camb., Ph.D. (English L.).
Payne, D. J., LL.B. (English L.).
Prevezer, S., B.A. Camb. (English L.)
Scamell, E. H., LL.M. (English L.).
Strange, Susan, B.Sc. (Econ.) (Internat. Relations).
Parkinson, F., B.A. (Internat. L.)
Asst. Lectr.

Librarianship

Irwin, R., M.A. Oxon., F.L.A.
Dir. and Tutor.

Lecturers

Piggott, Mary, B.A., F.L.A.
Staveley, R., B.A., F.L.A.
Arnold, D. V., B.Sc., F.L.A. (Special Libraries).
Francis, F. C., M.A. Liv., F.S.A. (Bibliography).
Hector, L. C., M.A. Oxon. (Palæography).
Johnson, H. C., O.B.E., M.A. Oxon. (Admin. Hist.).
Pafford, J. H. P., M.A., F.L.A. (Univ. Libraries).
Vollans, R. F., F.L.A. (Public Libraries).

1 Demr.

Mathematics

Davenport, H., M.A. Manc., Sc.D. Camb., F.R.S. Astor Prof. and Hd. of Dept.

Dean, W. R., M.A. Camb. Goldsmid Prof.

Readers

Du Val, P., Ph.D. Camb. (Geom.).

Bosanquet, L. S., M.A., D.Sc., D.Phil. Oxon.

Estermann, T., D.Nat.Sc. Hamburg, D.Sc.

Stevenson, A. C., M.Sc.

Kestelman, H., M.Sc. Reader and Asst. Tutor.

Harris, F. C., M.Sc., Ph.D. Sr. Lectr.

Lecturers

Archbold, J. W., M.A. Camb.

Capildeo, R., M.Sc., Ph.D.

Power, E. A., M.Sc., Ph.D.

Rigby, Constance M., M.A. Oxon., Ph.D.

Roth, K. F., B.A. Camb., M.Sc., Ph.D.

Wigglesworth, L. A., M.Sc.

Assistant Lecturers

Few, L., Ph.D.

Michael, D. H., B.Sc. Wales.

Richardson, T. H., M.Sc., D.I.C.

Roberts, K. V., M.A., Ph.D. Camb. Temp. Asst. Lectr.

1 Demr.

Mechanical Engineering, v. Engineering, Mechanical

Municipal Engineering, v. Engineering, Civil

Norwegian, v. Scandinavian Studies

Pharmacology

Winton, F. R., M.A., M.D. Camb., D.Sc. Prof.

Schild, H. O., M.D. Munich, Ph.D. Edin., D.Sc. Reader.

Dicker, S. E., M.D. Brussels, Ph.D., D.Sc. Brist. Lectr.

Mongar, J. L., Ph.D. Lectr.

Steinberg, Hannah R., Ph.D. Asst. Lectr.

Bergel, Prof. F., D.Phil.Nat. Freiburg, Ph.D., D.Sc., F.R.I.C. (Pharmacol. Chem.) Hon. Lectr.

Danielli, Prof. J. F., Ph.D. Camb. and Lond., D.Sc. (Cell P.) Hon. Lectr.

Feldberg, W. S., M.A. Camb., M.D. Berl., F.R.S. Hon. Lectr.

Trevan, J. W., B.Sc., M.B., B.S., F.R.C P., F.R.S. Hon. Lectr.

Work, T. S., Ph.D., D.Sc. Edin. (Chemotherapy) Hon. Lectr.

Myerscough, P. R., M.B., Ch.B. Edin. Hon. Res. Asst.

Philology

Szemerényi, O. J. L., Dr.Phil. Bud. Visiting Lectr.

Philosophy

Ayer, A. J., M.A. Oxon., F.B.A. (P. of Mind and Logic) Grote Prof.

..... Reader.

Wollheim, R. A., M.A. Oxon. Lectr.

Basson, A. H., B.A. Asst. Lectr.

Watling, J. L., Ph.D. Asst. Lectr.

1 Asst.

Phonetics

Fry, D. B., Ph.D. (Exper. P.) Reader and Head of Dept.

Coustenoble, Hélène, D.Lit. Reader.

Lecturers

Arnold, G. F., B.A.

Chapallaz, Marguerite, M.A.

Denes, P., M.Sc. Manc.

Gimson, A. C., B.A.

O'Connor, J. D., B.A.

Pring, J. T., M.A. Oxon.

Tooley, Olive M., B.A.
Trim, J. L. M., B.A.

Physics

Massey, H. S. W., M.Sc. Melb., Ph.D. Camb., F.R.S. Quain Prof. and Dir. of Labs.

Readers

Gibbs, R. E., D.Sc., F.I.P. Reader and Dep. Dir. of Labs.
Brown, G. B., M.Sc. Manc., Ph.D.
Buckingham, R. A., Ph.D. Camb.
Burhop, E. H. S., B.A., M.Sc. Melb., Ph.D. Camb.
Duncanson, W. E., Ph.D. Camb., D.Sc. (on leave)

Senior Lecturer

Brown, R. C., Ph.D.

Lecturers

Boyd, R. L. F., B.Sc. (Eng.), Ph.D.
Castillejo, L., B.A. Camb., B.Sc. (Eng.).
Dodd, C., Ph.D.
Fox, J. W., Ph.D.
Griffith, T. C., Ph.D. Wales.
Hasted, J. B., M.A., D.Phil. Oxon.
Henderson, C., Ph.D.
Heyland, G. R., Ph.D.
Heymann, F. F., B.Sc. (Eng.) Cape T., Ph.D.
Jennings, R. E., Ph.D.
Seaton, M. J., Ph.D.
Smith, E. J., Ph.D. Durh.
Wood, D. O., M.Sc., F.I.P.
Heddle, D. W. O., Ph.D. R'dg. Exp. Res. Asst.

Hon. Research Associates

Astbury, J. P., M.A. Camb., Ph.D. Manc.
Stephenson, G., Ph.D , D.I.C.
Watson, Prof. H. E., D.Sc., F.R.I.C.

Hon. Research Assistants

Egginton, A. J., B.Sc.
Hines, C. O., M.A. Tor., Ph.D. Camb.
Hodgson, P. E., Ph.D.
Morris, N., Ph.D. Wales.
Ridley, R. O., B.Sc.
1 Asst.

Physiology

Brown, G. L., C.B.E., M.Sc., M.B., Ch.B. Manc., F.R.S. Jodrell Prof.
Gray, J. A. B., M.A., M.B., B.Chir. Camb. Reader.
Wilkie, D. R., M.D. Yale, M.B., B.S. (Exper. P.) Reader.
Eggleton, M. Grace, D.Sc. Sr. Lectr.

Lecturers

Daly, M. de B., M.A., B.Chir. Camb.
Harkness, R. D., B.Sc., M.B., B.S.
Hutter, O. F., Ph.D.
Lippold, O. C. J., M.B., B.S.
Pascoe, J. E., B.Sc.
Wright, P. G., B.Sc.
Sears, T. A., B.Sc. Asst. Lectr.

Hon. Research Associates

Bayliss, L. E., B.A., Ph.D. Camb.
Davson, H., D.Sc.
Duke-Elder, Sir Stewart, K.C.V.O., LL.D., M.D. St. And., M.A., D.Sc., Ph.D., F.R.C.S., F.A.C.S.
Hill, Prof. A. V., C.H., O.B.E., Sc.D. Camb., LL.D. Belf. and Edin., D.Sc. Oxon., Manc., Liège, Johns H. and Col., M.D. Louvain, F.R.S.
Moralee, Brenda E., B.Sc. Res. Asst.

Hon. Research Assistants

Dempster, W. J., F.R.C.S.
Goffart, M., M.D. Brussels.
Harkness, Mrs. Margaret L. R., B.Sc.
Harries, E. H. L., M.B., B.S.
Luck, C. P., B.Sc., M.B., B.Ch. Rand.

Ness, A. R., B.Sc.
1 Sharpey Scholar. 1 Asst.

Political Economy

Allen, G. C., M.Com., Ph.D. Birm. Prof.
Bowley, Marian E. A., B.Sc. (Econ.), Ph.D. Reader.
Tout, H., C.M.G., M.A. Oxon. Reader.
Stonier, A. W., M.A. Oxon., D.Phil. Heidel. Sr. Lectr. and Tutor.

Lecturers

Corlett, W. J., M.A. Camb.
Donnithorne, Audrey G., M.A. Oxon.
Hague, D. C., M.Com. Birm.
Pressnell, L. S., B.Sc. (Econ.), Ph.D.
Maurice, Rita J., B.Sc. (Econ.) Asst. Lectr.
Berry, D., B.Sc. (Econ.) Res. Asst.
Jablonowski, Mrs. Margaret J., M.A. St. And., Ph.D. Res. Asst.
Rimmer, D., B.A. Sheff. Res. Asst.

Psychology

Russell, R. W., M.A. Clark, Ph.D. Virginia, D.Sc. Prof.
Whitfield, J. W., M.A. Camb. Reader.
Flugel, J. C., B.A. Oxon., D.Sc. Sp. Lectr.

Lecturers

Banks, E. K. Charlotte, Ph.D.
de Monchaux, Cecily, B.A. Syd., Ph.D. Lond.
Eysenck, H. J., Ph.D.
James, P. H. R., B.A. Camb.
Jonckheere, A. R., B.Sc.
Keir, Gertrude H., M.A. St. And.
Kelvin, R. P., B.A. Oxon., Ph.D.
Pond, D. A., M.D. Camb. and Duke, D.P.M.
Rawlings, Grace, B.A.
Summerfield, A., B.Sc. Manc. and Lond.
Soddy, K., M.D., D.P.M. Hon. Lectr.
Green, R. T., B.Sc. Asst. Lectr.
Davis, Norah M., M.A. Camb., Ph.D. Hon. Res. Assoc.
Marriott, R., M.Sc. Manc. Hon. Res. Assoc.
Knopfelmacher, F., Ph.D. Hon. Res. Asst.
1 Demr., 1 Asst.

Scandinavian Studies

Smith, Prof. A. H., O.B.E., Ph.D. Leeds, D.Lit. Dir.
Foote, P. G., M.A. (Old Scandinavian) Lectr.
Koefoed, H. A., cand. mag. Copenhagen (Danish) Queen Alexandra Lectr.
Stöverud, T., Cand. philol. Oslo (Norwegian) W. P. Ker Lectr.
..... (Swedish). Crown Princess Louise Lectr.
Benedikz, E., cand. phil. Copenhagen (Mod Icelandic) Hon. Lectr.

Science, History and Philosophy of

Dingle, H., D.Sc., D.I.C. Prof.
McKie, D., D.Sc., Ph.D. Reader.
Underwood, E. A., M.A., B.Sc., M.D., D.P.H. Glas., F.L.S. Hon. Lectr.
Armitage, A., M.Sc., Ph.D. Lectr.
Heathcote, N. H. de V., Ph.D.
Wilkie, J. S., Ph.D. Temp. Lectr.

Statistics

Pearson, E. S., C.B.E., M.A. Camb., D.Sc. Prof.
David, Florence N., D.Sc. Reader.
Hartley, H. O., Ph.D. Berl. and Camb., D.Sc. Lectr.
Johnson, N. L., M.Sc., Ph.D., F.I.A. Lectr.
Moore, P. G., B.Sc. Lectr.
Please, N. W., B.Sc. Lectr.
Barton, D. E., M.Sc., Ph.D. Asst. Lectr.

Harley, Betty I., B.Sc. Temp. Asst. Lectr.
Merrington, Mrs. Maxine P. M., B.Sc. Demr. and Res. Asst.

Surveying, v. Engineering, Civil

Town Planning

Holford, Sir William, M.A. Liv., F.R.I.B.A. Prof.
Ling, A. G., B.A. Sr. Lectr.
Clarke, J. J., M.A. Liv., F.S.S. Sp. Lectr.
Youngman, G. P., M.A. Camb. (Landscape Design) Lectr.
Baker, L. F., M.A. Drawing Office Instr.
Glass, Mrs. Ruth, M.A. Col. Hon. Res. Assoc.
Westergaard, J. H., B.Sc. (Econ.) Hon. Res. Asst.

Zoology & Comparative Anatomy

Medawar, P. B., M.A., D.Sc. Oxon., F.R.S. Jodrell Prof.
Wells, G. P., M.A., Sc.D. Camb. Reader.
Freeman, R. B., M.B.E., M.A. Oxon. (Taxonomy) Reader.

Hon. Research Associates

Billingham, R. E., M.A., D.Phil. Oxon.
Fraser, Elizabeth A., D.Sc.
Mackinnon, Prof. Doris L., D.Sc., LL.D. Aberd.
Watson, Prof. D. M. S., D.Sc. Cape T., Manc. and Rand, LL.D. Aberd., F.R.S.

Lecturers

Boycott, B. B., B.Sc.
Newth, D. R., Ph.D.
Ross, D. M., M.A. Dal., Ph.D. Camb.
Stevenson, J. P., B.Sc.
Whitear, Mary, Ph.D.
Kermack, K. A., Ph.D. (Biol. Stats.).

Assistant Lecturers

Brent, L., B.Sc. Birm., Ph.D.
Robinson, Pamela L., B.Sc.
Smith, J. Maynard, B.A. Camb., B.Sc.

Hon. Research Assistants

Comfort, A., M.A., M.B., B.Chir. Camb., Ph.D.
Fox, H., Ph.D.
McLaren, Hon. Anne L., M.A., D.Phil. Oxon.
Michie, D., M.A., D.Phil. Oxon.
Sparrow, Elizabeth M., Ph.D. Birm.
Townend, Joyce

ADMINISTRATIVE AND OTHER STAFF

ADMINISTRATIVE OFFICERS. Finance Sec. and Accountant: H. W. Claxton, O.B.E. Asst. Sec.: Winifred Radley. Bursar: E. H. Swain. Establishment Officer: J. A. Hussey, O.B.E. Registrar: A. J. L. Cahill, B.Sc. (Econ.); Supt. of Records: O. V. Lawley.

TUTORS. Sr. Tutor and Tutor to Arts Students: R. D. McLellan, Ph.D. Tutor to Laws Students: O. R. Marshall, M.A. Camb., Ph.D. Tutor to Science Students: R. E. Gibbs, D.Sc., F.I.P. Tutor to Engin. Students: H. Marriott, B.Eng. Sheff., B.Sc. (Econ.). Tutor to Medical Students: K. C. Richardson, M.Sc. W.Aust. Tutor to Women Students: Diana Lewton Brain, B.A. Adviser to Postgrad. Students: D. J. B. White, Ph.D. Supervisor of Dental Students: R. D. Harkness, B.Sc., M.B., B.S.

LIBRARY. Dep. Librarian: K. Garside, M.A. Leeds.

WARDENS OF HALLS OF RESIDENCE. R. B. Freeman, M.B.E., M.A. Oxon. (Bentham Hall); Diana Lewton Brain, B.A. (Campbell Hall).

STUDENT HEALTH CENTRE. Physician-in-Charge: N. B. Malleson, M.A., M.B., B.Chir. Camb.

APPOINTMENTS. Careers Adviser: D. O. Wood, M.Sc., F.I.P.

GENERAL INFORMATION

Founded in 1826 and opened Oct. 1, 1828, under the name of "The University of London," the College was incorporated as "University College, London," by Royal Charter in 1836. On Jan. 1, 1907, it was incorporated in the University of London.

LIBRARY. The College Library contains about 600,000 books and pamphlets, some of which are inaccessible owing to shortage of accommodation following the destruction of the Library buildings during the war. The Library in the main building has now been restored, but some sections are in temporary premises elsewhere in College.

The Library contains books in all subjects taught in College, and is particularly strong in archæology (Yates Library), Egyptology (Edwards Library), London history, American and Latin-American history, Scandinavian studies, and the biological and medical sciences. A list of the most important special collections is given in the College *Calendar*; some of these are among the books not accessible at present.

The libraries of the Folk-Lore Society, the Geologists' Association, the Hertfordshire Natural History Society and Field Club, the Malacological Society, and the London Mathematical Society are deposited in the College Library, whilst those of the Viking Society for Northern Research and of the British Society of Franciscan Studies are now the property of the College. The library of the Philological Society and the Mocatta Library of Anglo-Jewish History were largely destroyed during the war; the latter has now been reconstituted by the Jewish Historical Society of England.

MUSEUMS. Anat., Archit., Bot., Egypt., Geol. and Mineral, Jewish Antiquities (Gustave Tuck), Vulcanological (Johnston-Lavis Collection), Zool.

UNIVERSITY OBSERVATORY, Mill Hill Park, London, N.W.7 (*Telephone*: Mill Hill 1618), administered by University Coll. since 1951. Its work is designed to meet needs of postgrad. res. workers in Astron. Applicn. for admission should be made to the Dir., Prof. C. W. Allen, D.Sc. W.Aust.

NUFFIELD RESEARCH GARDEN, Regent's Park, London, N.W.1. Administered by Univ. Coll. since 1953; for population and cytogenetic studies on British plants.

BLAKENEY FIELD STATION. Maintained by Dept. of Botany since 1910 for field trg. and res. on maritime ecol.

COMMUNICATION RESEARCH CENTRE. Formed in Oct. 1953 as an assocn. of interested depts. of Univ. Coll. for promotion of res. in field of communication; large special library of rare books and MSS.; inquiries to Sec., Communication Research Centre, Univ. Coll., Gower St., London, W.C.1.

FACULTIES AND DEANS. *Arts*, Prof. T. B. L. Webster; *Engin.*, Prof. M. B. Donald; *Laws*, Prof. G. L. Williams; *Med. Sci.*, Prof. E. H. F. Baldwin; *Sci.*, Prof. E. S. Pearson. The Fac. of Arts includes the Slade Sch. of Fine Art, the Sch. of Librarianship and Archives, the Bartlett School of Archit. (including the Div. of Decoration) and the Dept. of Town Planning.

ADMISSION. *See* p. 211 and App. I. Coll. Entrance Examns. in the following subjs.: Archit, Chem., Fine Art, French, German, Psychol., Stat.,

Zool. Candidates for admission to degree courses in Archit. must have passed in Maths. at G.C.E. examn.

FOREIGN STUDENTS are admitted to the Coll. on the same terms as British, but their applications should be made through the appropriate authorities in this country or through the British Council. The Ramsay Memorial Fellowships in Chemical Science founded by certain Foreign Governments are tenable at Univ. Coll., London, among other places.

COURSES. Degree courses in Arts, Archit., Laws, Science, Engineering, Economics, Medical (pre-clinical).

Univ. Dipl. Courses in Anthropol., Archæol., Archive Admin., Fine Art, Law, Librarianship, Phonetics, Psychol., Town Planning and Civic Archit., Town Planning and Civic Engin.

Coll. Dipl. Courses in Archit. (this dipl. is recognized as exempting from the R.I.B.A. final examn.), Chem. Engin., Surveying, Photogrammetry.

Coll. Cert. Courses in Archit. (this cert. is recognized as exempting from the R.I.B.A. Intermediate Examination), Decoration, Town Planning, Preservation and Restoration of Historical Buildings, Phonetics, Scandinavian Studies, Surveying.

POSTGRADUATE AND RESEARCH WORK. All depts. as set out above in the *Teaching Staff* list are available for postgrad. and res. work, and the respective Profs. are always prepared to advise students wishing to undertake res.

VACATION COURSE in Engl. Phonetics for foreign students and teachers, July.

FEES (1954–55). Entrance Registration—1 g.; overseas students—2 gs. Tuition composition fee, Degree courses—Undergrad.: Arts, from 37 to 45 gs. per yr. (3 or 4 yrs.); Archit., 295 gs. (5 yrs.); Laws, day, 111 gs. (3 yrs.), evening, 78 gs. (3 yrs.); Sci., from 37 to 56 gs. per yr. (3 or 4 yrs.); Engin., Intermediate, 46 gs. (1 yr.), post-Intermediate, 168 gs. (3 yrs.); Med. for first examn., 49 gs. (1 yr.), second examn., 97 gs. (5 terms); Economics, 111 gs. (3 yrs.).

Postgrad. For period prescribed by Univ. regulations: Ph.D. or LL.M., 42 gs.; M.A. or for M.Sc. in subjs. common to Arts and Sci., 27 gs.; M.Sc. in other subjects, 32 gs.

Academic or Postgrad. Diplomas: Anthropol., Archæol., Archive Admin., Librarianship, Psychol., 37 gs. (1st yr.), 25 gs. (2nd yr., if necessary); Laws, 22 gs. (1 yr.); Phonetics, 31 gs. (1 yr.); Town Planning, 19 gs. (1 yr.); Univ. Dipl. Fine Art, 156 gs. (3 yrs.).

Coll. Dipls. and Certs.: Archit. Dipl., 295 gs. (5 yrs.), Cert., 203 gs. (3 yrs.); Decoration Cert., 203 gs. (3 yrs.); Preservation and Restoration of Historical Buildings Cert., 19 gs. (1 yr.); Town Planning Cert., day, 29 gs. (1 yr.), evening, 19 gs. (1 yr.); Chem. Eng. Dipl., 37 gs. (1st yr.), 25 gs. (2nd yr., if necessary); Photogrammetry Dipl., 100 gs. (1 yr.); Surveying Dipl., 100 gs. (1 yr.), Cert., 100 gs. (1 yr.).

ENTRANCE SCHOLARSHIPS. Open awards for undergraduates: In Arts, 6, agg. value £245 p.a.; Archit., 2, agg. value £80 p.a.; Fine Art, 2, agg. value £80 p.a.; Science, 2, agg. value £80 p.a.; Laws, 1, agg. value £40 p.a.; Med. Sci., 4, agg. value £162 p.a.; Engin., 4, agg. value £875 p.a. Most of these are eligible for supplementation by the Ministry of Educn.

POSTGRADUATE AWARDS. In Arts, Goldsmiths' Company's Postgrad. Studentship in London Hist., £300 p.a. for max. of 2 yrs.; Hollier Scholps. in (*a*) Greek, 1 of £55 p.a. for 2 yrs., (*b*) Hebrew, 2 of £55 p.a. for 1 yr.; Sir Wm. Meyer Studentship in European History or the Hist. and Geog. of India,

£120 p.a. for 2 yrs.; Chem. Engin., Esso Postgrad. Studentship, £350 p.a. for 2 yrs.; Leverhulme Studentships, 2 of £400 p.a. for 2 yrs.; Shell Studentships, each £350 p.a. for 2 yrs. *See also* Appendix II.

RESIDENCE. Bentham Hall, Cartwright Gardens, W.C.1 (*Telephone*: Euston 1836), for 163 men. Fees, £110 to £120 per session. Campbell Hall, 5-10 Taviton St., W.C.1, for 106 women. Fees, £110 to £120 per session.

STUDENT HEALTH ASSOCIATION. The Student Health Association, established in 1945, for students and other members of the Coll. Its work is governed by Cttee. representative of Union and Coll. Cttee. Membership, obtained by payment of annual subscription (7s. 6d.), compulsory for all day students paying fee of 8 gs. or more p.a., and optional for others; Health Centre in Coll. for treatment and general health examinations; general practitioner service under N.H.S. Act available to all members of Coll. who register with Assocn.'s physician; dental treatment; annual mass radiography survey.

PUBLICATIONS. *Calendar* (Oct.), 8s. 6d.; *Annual Report*; *University College, London, 1826–1926*, by Prof. H. Hale Bellot (University of London Press; enquiries to University College), 1929, 25s.; various Faculty and Departmental *Prospectuses*.

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. Late Mrs. Edith Abbott, £1500 bequest for studentship in Maths.; Anglo-Saxon Petroleum Co., £2700 p.a. for scholps. in Dept. of Chem. Eng. and for apparatus; Agric. Res. Council, £2250 for investigation by Dept. of Zool. into extrachromosomal influence in development and heredity; Engin. and Allied Firms, £2105 for Civil and Struct. Engin. and allied subjs.; late Sir Rickman Godlee, £25,000 reversionary bequest for general purposes of Coll.; National Coal Bd., £1200 p.a. for 4 yrs. for res. in Dept. of Psychol. into causes of coal miners' accidents; Nuffield Foundation, (*a*) £10,200 for further work in Dept. of Anat. on appln. of electronic theory and technique in biol., (*b*) £2700 over 3 yrs. for continuation of res. in Dept. of Anat. on cell movements in tissue culture, (*c*) £2000 p.a. for 2 yrs. for continuation of res. in Dept. of Town Planning on social aspect of planning surveys and analysis, (*d*) £1740 for 2 yrs. for res. in Dept. of Bot. on fat metabolism in algae; Rockefeller Foundation, (*a*) further grant of £10,000 over 5-yr. period for study of med. student selection, (*b*) $50,000 for res. in Dept. of Eugenics, Biometry and Genetics in developmental genetics in mammals, (*c*) grant of $25,000 over 5 yr. period for res. by Dr. H. Grüneberg in Dept. of Eugenics, Biometry and Genetics; Water-tube Boilermakers' Assoc., £1500 p.a. for 2 yrs. for photo-elastic investigation in Dept. of Civil and Mun. Engin. into stresses in tube plates.

NEW BUILDINGS. Reconstruction of Central Main Bldg. after war damage completed under direction of Prof. A. E. Richardson; N. Junction also completed during yr.; the 2 upper floors are used as Sci. Library reading rooms, Men's Staff Common Room is on the ground floor and lithography room of Slade Sch. in lower ground floor; construction of 1st stage of new Phys. Bldg., which runs eastward from N. Junction, completed and brought into use in Oct. 1953; erection of S. Junction proceeding, which will house the Gustave Tuck Theatre, Mocatta Library, English and German Libraries and Provost's offices; construction begun of new storey on Chem. Bldg., which should be ready for use in summer of 1954; new bldg. at University Observatory at Mill Hill which houses Library, lecture rooms and offices completed and occupied; 6 houses in Taviton Street converted for use as

women students' hostel to be known as Campbell Hall and to be ready for occupation early in 1954.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. *Anat.*: Dr. B. Källen, Lund. *Biochem.*: Dr. S. J. Bach, Brist.; Prof. W. Hoskins, Calif.; Prof. L. Junquiera, Brazil; Dr. M. B. Lal, Luck.; Prof. M. C. Nath, Nag.; Prof. Sir Rudolph Peters, Oxon.; Dr. J. G. Pince, Calif.; Prof. J. H. Quastel, McG.; Prof. J. Roche, Paris; Prof. A. O. M. Stoppani, Buenos Aires; Dr. E. Tria, Italy; Prof. G. Wald, Harv.; Prof. V. B. Wigglesworth, Camb. *Chem.*: Prof. N. Joel, Chile; Prof. N. Kameyama, Tokyo; Prof. J. A. A. Ketelaar, Amst.; Prof. H. Mark, N.Y.; Dr. A. L. Patterson, Philadelphia; Dr. J. D. Roberts, Calif.; Dr. E. W. R. Steacie, Nat. Res. Council of Canada. *Egyptol.*: Prof. S. R. K. Glanville, Camb., Petrie Centenary Lecture. *Engin.*: J. A. Ratcliffe and Dr. M. V. Wilkes, Camb. *Engl.*: Prof. P. Alexander, Glas., 5 Lord Northcliffe Lectures on Shakespeare's Tragedies. *Geog.*: Prof. M. Rolfes, W. Germany. *German*: Prof. G. Müller, Bonn. *Greek*: Prof. G. Björck, Uppsala; Prof. A. Lesky, Vienna; Prof. K. Reinhardt, Frankfurt on Main; Prof. D. van Berchem, Lausanne. *Hist.*: Prof. W. Notestein, Yale; Prof. A. P. Whitaker, Penn., 8 Commonwealth Fund Lectures on American Hist. *Italian*: C. Hardie, Oxon., 4 Barlow Lectures on Dante.: Prof. B. Migliorini, Florence. *Laws*: Prof. E. N. Griswold, Harv.; Prof. C. A. Wright, Tor. *Librarianship*: Ethelyn Markley, Calif.; C. V. Mahajan, Agra; D. N. Marshall, Bom.; N. O. Rush, Wyoming. *Math.*: Prof. Kampé de Fériet, Lille; Dr. G. Szekeres, Adel. *Med. Sci.*: Prof. Sir Geoffrey Jefferson, Manc., Rickman Godlee Lecture. *Pharmacol.*: Prof. E. R. Loew, Boston, U.S.A. *Philos.*: Prof. N. Goodman, Penn.; Prof. Alice Lazerowitz, Smith Coll., Mass. *Psychol.*: Prof. W. Dennis, Brooklyn, U.S.A.; Prof. C. H. Graham, Col.; Prof. N. S. Sastry, Bangalore. *Town Planning*: Prof. L. Mumford, Penn.; Prof. C. Verner, Fla.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. *Anat.*: Prof. J. Z. Young, Manit., Sask., Alta., Br. Col. *Anthropol.*: Prof. D. Forde, Yale. *Biophys.*: Prof. B. Katz, Stockholm. *Chem.*: Dr. C. A. Bunton and Dr. R. J. Gillespie, Paris; Prof. E. D. Hughes, Bologna; Prof. Kathleen Lonsdale, Manc.; Dr. A. Maccoll, Exeter; Dr. A. Wassermann, Basle. *Biometry and Genetics*: Prof. J. B. S. Haldane, Oxon.; Dr. H. Grüneberg, Berl. *Engin.*: Prof. H. E. M. Barlow, Manc.: H. R. Oakley, Liv. *Engl.*: Prof. J. R. Sutherland, Edin. and Amst. *French*: Dr. L. W. Tancock, Sheff. and Exeter. *Geog.*: Prof. H. C. Darby, McG.; Dr. W. R. Mead, Minn. *German*: Prof. L. W. Forster, Hamburg; Dr. Elizabeth M. Wilkinson, Amst. *Greek*: Prof. T. B. L. Webster, Leicester. *Hist. of Sci.*: Prof. H. Dingle, Aberystwyth and Aberd.; Dr. D. McKie, Southampton. *Pharmacol.*: Prof. F. R. Winton, Hamburg, Gött., Brunswick, Mainz, Marburg, and Ibadan; Dr. J. L. Mongar, Montr.; Dr. H. O. Schild, Yale. *Philos.*: Prof. A. J. Ayer, Uppsala, Lund, Copenhagen. *Psychol.*: Prof. R. W. Russell, Mainz; J. W. Whitfield, Berl., Freiburg, Mainz, Marburg; Dr. Cecily de Monchaux, Syd., Melb.; Grace Rawlings, Melb. *Statistics*: Dr. N. L. Johnson, N. Carolina.

RETIREMENT. Dr. A. M. Bassani (Ital.).

RESIGNATIONS. A. C. Crombie (Hist. of Sci.), apptd. Sr. Lectr., Oxon.; H. Harris (Biochem.), apptd. Sr. Lectr., Lond. Hosp. Med. Coll.; A. E. Smailes (Geog.), apptd. Hd. of Dept. of Geog., Queen Mary Coll., Lond.

IMPORTANT EVENTS. Celebration of Centenary of birth of Sir William Ramsay: Guest of Honour, H.R.H. The Duke of Edinburgh (Oct. 1952); Celebration of Centenary of birth of Sir Flinders Petrie (June 1953); Assembly of College Facs. (July 1953); Special Visitor: Prof. A. V. Hill.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	1955	522
Women	660	304
Total	2615	826

Postgraduate students, 741 (600 men ; 141 women).

Undergraduates (full-time) entering the College for the first time, 740.

Students from other countries : 508. (Countries from which largest numbers came : India, 61 ; U.S.A., 47 ; Egypt, 38 ; South Africa, 30 ; Canada, 28 ; France, 23 ; Australia, 20.)

DEGREES AWARDED. *Arch.*: B.A., 15 ; M.A., 3 ; Ph.D., 1 ; *Arts* : B.A., 125 ; M.A., 11 ; Ph.D., 20 ; *Econ.*: B.Sc., 39, M.Sc., 1 ; *Engin.*: B.Sc., 56, M.Sc., 2 ; Ph.D., 2 ; *Laws* : LL.B., 60 ; LL.M., 2 ; Ph.D., 2 ; *Med.*: Ph.D., 2 ; *Sci.* : B.Sc., 173, M.Sc., 18, Ph.D., 49 ; D.Sc., 1.

DIPLOMAS AND CERTIFICATES AWARDED. (*a*) *Univ. Dipl.* : Anthropol., 2 ; Archive Admin., 3 ; Fine Art, 39 ; Librarianship, 6 ; Phonetics, 1 ; Psychol., 7 ; Town Planning, 16 ; (*b*) *Coll. Dipls.*: Archit., 17 ; Chem. Engin., 8 ; Surveying, 4 ; (*c*) *Coll. Certs.*: Archit., 32 ; Decoration, 4 ; Phonetics, 28 ; Preservation and Restoration of Hist. Bldgs., 1 ; Town Planning, 20.

[*Information compiled as at* 21/5/54 ; *Staff list revised on* 11/10/54.]

WESTFIELD COLLEGE *

Founded 1882; incorporated by Royal Charter 1933

Postal Address: Kidderpore Avenue, Hampstead, London, N.W.3, England.
Telephone: Hampstead 7601.

CHAIRMAN OF COUNCIL—Rt. Rev. THE LORD BISHOP OF WILLESDEN.
PRINCIPAL—KATHLEEN CHESNEY, M.A., D.Litt. Oxon.
SECRETARY TO COUNCIL—ROSALIE M. FORSTER, B.A.

TEACHING STAFF

Classics
Jones, D. M., M.A. Oxon. Prof.
Barratt, Christine, M.A. Oxon. Lectr.
Glanville, Irene M., M.A. Oxon., Ph.D. Lectr.
Jenkinson, Edna M., M.A., Ph.D. Camb. Asst. Lectr.

English Lang. and Lit.
Jenkins, H., D.Litt., M.A Rand Prof
Davis, B. E. C., M.A. Oxon. Reader.
White, Beatrice M. I., M.A., D.Lit., F.R.S.L. Reader.
Dorsch, T. S., B.A. Adel., M.A. Oxon. Lectr.
Mackenzie, Eileen K. A., Ph.D. Lectr.
Hill, Betty, M.A. Birm. Asst. Lectr.

French Lang. and Lit.
Elcock, W. D., M.A. Oxon. and Manc., L. ès L., D. de l'U. Toulouse Prof.
Dickinson, Gladys, B.A., L. ès L. Lyons Reader.
Chesney, Kathleen, M.A., D.Litt. Oxon. Lectr.
Rutherford, Mrs. Marie-Rose, M.A. Lectr.
Bailey, Mrs. Ninette, Ph.D. Asst. Lectr.
Roubin, Lucienne A., L. ès L. Lectrice.

German
Beare, Mary, M.A. Belf., Ph.D. Bonn Reader.
Ganz, P. F., M.A. Lectr.

History
Martin, Eveline C., M.A., Ph.D. (Imp. H.) Reader.
Hill, Rosalind M. T., M.A., B.Litt. Oxon., F.S.A. Lectr.
Rubinstein, N., Ph.D. Florence Lectr.
Carsten, F. L., D.Phil. Oxon. Lectr.
Gee, Olive R., M.A., B.Litt. Oxon. Asst. Lectr.

Italian
Cremona, J. A., B.A. Asst. Lectr.

Mathematics, Pure and Applied
Stanley, Gertrude K., B.Sc. Oxon., M.Sc. Reader.

* For women. (Men are admitted for postgraduate work.)

Pennington, W. B., M.A., Ph.D. Camb. Reader.
Hardiman, Nellie J., M.Sc., Ph.D. Lectr.
Fishel, B., B.Sc. Lectr.
Dowker, Mrs. Yael N., M.A. Johns H., Ph.D. Harv. Asst. Lectr.

Spanish

Varey, J. E., M.A., Ph.D. Camb. Lectr.

Maynard Divinity Lecturer

Carpenter, Rev. E. F., M.A., Ph.D. B.D., F.K.C., Canon of Westminster.

ADMINISTRATIVE AND OTHER STAFF

Librarian: Dorothy M. Moore, B.A. Belf., F.L.A. Registrar and Principal's Secretary: Marion B. Muriel, M.A. Durh. Finance Officer: Gwen Chambers, M.A. Oxon. Domestic Bursar: Marion D. McCall.

GENERAL INFORMATION

Founded in 1882 by Miss Dudin Brown for the higher educn. of women, the Coll. is undenominational, but the Principal must be a member of the Church of England. Governed by a Council which includes the Principal and representatives of the L.C.C., the Univ., the Staff and Old Students. A School of the Univ. in Arts, offering in addition approved courses in Maths. (Hons. and Spec.) in the Fac. of Sci. Situated nr. Hampstead Heath with residential accomm. for 250 students.

ADMISSION. *See* p. 211 and App. I. Students are not admitted under the age of 18 and are required to take the Coll. Scholp. and Entrance Examn., at which open Scholps. and Exhibitions (aggregate value, £700) are awarded annually. Most of these awards are eligible for supplemn. by the Min. of Educn. Men as well as women students are admitted to read for higher degrees.

FEES. Tuition from 38 to 42 gs., residence £145 per session.

STUDY LEAVE. Permanent members of academic staff eligible every seventh yr. for sabbatical leave of one or two terms.

Facilities for Adult Educn. Lectures have been made available in the Coll. Lecturing Block (Kidderpore Hall) and are used on several evenings each week. Summer courses are held each yr. during July and Aug.

There is an Old Students' Assocn. A directory of Old Students, giving addresses and appts. held, is published periodically.

The Coll. Libraries have spacious reading rooms and contain approx. 37,000 vols. and pamphlets and a microfilm reader.

Many members of the Coll. belong either to the Univ. of London Company of the W.R.A.C. (T.A.) or to the Univ. of London Air Squadron.

A *Student Health Service* has been establd. under the care of the Health Officer (S.R.N.) with a sick room and dispensary. The students take part in the Mass Radiography examns. held periodically.

Near-by Athletic Ground with 3 tennis courts, hockey, net-ball and cricket pitches. There are also 3 hard and 2 grass tennis courts in the Coll. grounds. Squash courts are available at New College and lacrosse is played in Regent's Park.

PUBLICATIONS. *Prospectus* (May), *Report* (Oct.), both issued free of charge; *Hermes* (Students' Mag.), 1s. 6d.; *Old Students' Directory*, 3s. 6d.

THE YEAR 1952–53

NEW BUILDINGS. 21 Kidderpore Avenue bought and now houses 1 member of staff and 15 students.

RETIREMENT. Hon. Sylvia Fletcher Moulton, Chairman of Council, 1946–53

RESIGNATIONS. Prof. R. P. Winnington-Ingram (Classics), apptd. Prof. of Greek, King's Coll., Lond.; Dr. D. Pedoe (Maths.), apptd. Prof. of Maths, Univ. Coll., Khartoum; Mrs. D. Coppock, Lectr. in French.

DEATHS. Miss G. Craig-Houston, Hd. of German Dept., 1937–47.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	..	4
Women	266	11
Total	266	15

Postgraduate Students, 27.

New Admissions, 73.

Students (full-time) from other countries, 10. (Countries from which largest numbers came: U.S.A., 4; Egypt, 2.)

DEGREES. *Arts*: B.A. Hons., 74; *Sci.*: B.Sc. (Sp.), 10.

[*Information compiled as at* 20/5/54 ;
Staff list revised on 11/10/54]

WYE COLLEGE

(THE COLLEGE OF ST. GREGORY AND ST. MARTIN AT WYE)

Founded 1893

Postal Address : Wye, Ashford, Kent, England.
Telegrams and Cables : College, Wye.
Stations : Ashford, 5 m., Wye, ½ m.
Telephone : Wye 1.

VISITOR—His Grace the ARCHBISHOP OF CANTERBURY.
CHAIRMAN OF GOVERNING BODY—The Rt. Hon. LORD NORTHBOURNE.
PRINCIPAL—D. SKILBECK, M.A. Oxon. (R.).
VICE-PRINCIPAL AND LIBRARIAN—E. SITA SMYTH, B.A. Brist.
SECRETARY AND REGISTRAR—C. W. A. GARLAND, B.Sc.

TEACHING STAFF

Agriculture

..... Prof. (A.).
Davis, A. G., B.S.A. Tor., M.Sc. Wales Lectr. (R.).
Merridew, J. N., B.Sc. (Agric.) Wales, M.Sc. Durh. Lectr.
Maddison, A. E., B.A. Oxon., Dip. Ag. Sc. Camb. Lectr.
Aldrich, D. T. A., B.Sc. (Agric.) Durh., Dip. Agric. Camb. Asst. Lectr.
Cornforth, H., B.Sc. (Agric.) Durh. Res. Asst.
Patterson, J. D. Pt.-time Lectr.
Dunkin, A. C., B.Sc. (Agric.) R'dg. (Pig Husb. Res.).
Gregg, A. S., B.Sc. R'dg. (seconded from Nat. Inst. Agr. Bot.).
Fisher, M., B.Sc. (Agric.) Wales. Farm Mgr.

Biological Sciences

Selman, I. W., B.Sc., Ph.D. Hd. of Dept. (R.).
Harrison, R. M., B.Sc. Lectr. (R.).
Schimmer, Frieda C., M.Sc. Lectr. (R.).
Froud, M. D., B.Sc. Lectr. (PR.).
Neales, T., M.A. Oxon. Asst. Lectr.
Dilnot, Jean, B.Sc. Wales. Demr.
Ross, K. F. A., M.A. Oxon. Demr.

Economics

Wibberley, G. P., Ph.D., B.Sc. (Agric.) Wales, M.S. Ill. Hd. of Dept.
Brewin, J. M., M.A. (Agric.) Camb. Agric. Econ.
Folley, R. R. W., B.Com. Leeds, B.Sc. Agric. Econ.

(A.) = Appointed Teacher.
(PR.) = Recognized Teacher of Univ. of London (Probationary).
(R.) = Recognized Teacher of the Univ. of London.

Hooper, J. G., Dip. Agric. Inves. Officer.
Lord, R. F., B.Sc. (Agric.) Asst. Agric. Econ.
de Morpurgo, P. G. L., B.Sc. R'dg. Asst. Agric. Econ.
Orton, F. J., B.Sc. Leeds Asst. Agric. Econ.
Reid, I. G., B.Sc. (Econ.), Dip. Agr. Camb. Agric. Econ.
Rowe, A. H., B.Sc. (Econ.) Asst. Agric. Econ.
Sykes, J. D., B.Sc. (Agr.) Leeds, Dip. Agr. Econ. Oxon. Asst. Agric. Econ.
Ward, J. T., B.Litt. Oxon., B.Sc. (Econ.), Dip.Agr.Econ. Oxon. Asst. Agric. Econ.
Halls, H. G. Inves. Officer.
Wyllie, J., O.B.E., B.Sc. (Agric.) Glas. Sr. Res. Fellow (R.).

Hops

Darling, H. S., M.Agric., B.Sc. Belf. Hd. of Dept.
Thompson, F. C., B.Sc., M.Sc. (Agric. Chem.) Durh. Sr. Scientific Officer.
Beard, F. H., Dip. Hort. Sr. Exp. Officer.
Neve, R. A., B.Sc. R'dg. Sr. Scientific Officer.
Cripps, E. G., B.Sc. (Agric.), Dip. Agric. Exp. Officer.
Watson, G., M.Sc. Exp. Officer.
Farrar, R. F. Exp. Officer.
Weston, E. W., B.Sc. Asst. Exp. Officer.
Salmon, E. C. Emer. Prof. of Mycol.
..... Res. Fellow.

Horticulture

Miles, H. W., M.Sc. Brist., Ph.D., D.Sc. Manc. Prof. (A.).
Wilkinson, E. H., B.Sc. Birm., Ph.D. Brist. Sr. Lectr.
..... Lectr. (R.).
Jackson, A. A., B.Sc. Manc. Lectr. (PR.)
Lloyd, C., B.Sc. (Hort.) Asst. Lectr.
Page, Mary Asst.
Sykes, J. T., B.Sc., B.Sc. (Hort.) Demr.
Lewis, R. S. Mkt. Gdns. Mgr.

Physical Sciences

Wain, R. L., M.Sc., Ph.D. Sheff., D.Sc., F.R.I.C. (Agric. Chem.) Prof. (A.).
Smith, Margaret S., B.Sc., Ph.D. Lectr. (R.).
Seeley, R. C., M.Sc. (Agric.) Lectr.
Askew, G. P., B.Sc. (Agric.), B.Sc. Asst. Lectr.
Ingram, Jeanne, B.Sc. (Agric.) Edin. Asst. Lectr.
Morgan, T. B., M.Sc. Wales Asst. Lectr.
Pybus, Mary B., B.Sc. Demr.
Cartwright, Phyllis M., Ph.D. Leeds Res. Asst.

Scientific Officers (Agric. Res. Council, Growth Subst. and Fungicide Unit)

Fawcett, C. H., M.Sc.
Spencer, D. M., B.Sc. Wales
Wightman, F., B.Sc. Leeds.

(A.) = Appointed Teacher.
(PR.) = Recognized Teacher of the Univ. of London (Probationary).
(R.) = Recognized Teacher of the Univ. of London.

ADMINISTRATIVE AND OTHER STAFF

College Warden: C. W. A. Garland, B.Sc., Dip.Ed. Camb. Warden of Withersdane: E. Sita Smyth, B.A. Brist. Domestic Bursar: Eleanor M. Knight. Appointments Sec.: J. M. Brewin, M.A. Camb.

GENERAL INFORMATION

The College was originally founded by Cardinal Archbishop John Kempe in 1447 as a secular foundation. The College continued as a teaching institution until 1893, as part of the original foundation consisted of a Grammar School. In 1893 it was reorganized as an Agricultural College under the Principalship of the late Sir A. D. Hall, F.R.S.

Closely associated with the College is the S.E. sub-provincial H.Q. of the National Agricultural Advisory Service (N.A.A.S.), the central offices and laboratories of which are located on the College estate.

CONSTITUTION. School of University of London since 1900, and now the Dept. of Agriculture and Horticulture for the Univ. Royal Charter granted in 1948. Governing Body of 30 members, including representatives of Univ., Ministry of Agriculture, College Staff, S.E. Counties, Oxford and Cambridge Univs., Old Students' Assocs., etc.

INCOME (1952–53). Approx. £150,000 (University, 47 per cent; Fees, 27 per cent.; Government Departments, 20 per cent; other sources, 6 per cent.)

LIBRARY. Approx. 12,000 vols.

LABORATORIES. Chem., Phys., Bot., Zool., Pathol., Geol., Hortic., Hop Res. MUSEUM of Agric. Implements (at Coldharbour Farm, Wye).

ADMISSION. *See* pp. 211-12 and App. I. The requirements of the Fac. of Science must be satisfied.

DEGREE COURSES. B.Sc. Agric. Hons. (3 yrs.), B.Sc. Hort. (3 yrs.). Higher degrees: M.Sc. and Ph.D. Coll. Postgrad. Cert. in Hortic. (1 yr.); occasional sp. courses (1 yr.) for Vice-Chancellor's Cert. Facilities for res. in Agric. and Hortic. and in associated scis. of Chem., Bot., Zool., Econ. and Geol.

FEES per Session. Tuition—undergrad., £50; postgrad., £24.

COLLEGE APPOINTMENTS BUREAU gives assistance in placing qualified students in suitable employment.

GRADUATES' ASSOCIATION. Wye Coll. Association (men students—Agricola Club; women students—Swanley Guild).

STUDENT RESIDENCES. Main College bldgs., for 90 men; Withersdane Hall, Wye (300 yards from Coll.), for 80 women. Fees, £145 per session (30 wks.) for full board residence.

STUDENT UNION. All students belong to the Union; annual subscription (compulsory), £4. President 1953—M. Hill; Vice-President—Helen Crow.

PUBLICATIONS. *Prospectus*; *Annual Report*; various occasional publications, especially on Economics and Hops; *Student Magazine* (2s. 6d. per term).

THE YEAR 1952–53

BENEFACTIONS Benefactions received for research purposes from Inst. of Brewing, Hops Marketing Bd., Guinness & Co., Shell Petroleum Co. Ltd., May and Baker Ltd., I.C.I. Ltd.

NEW BUILDINGS. Extensions to Hop Research Labs., Oast House and Econ. Dept.

NEW DEPARTMENT. Bldg. converted and Agric. Res. Council Plant Growth Substance and Systemic Fungicide Unit established; Hon. Dir., Prof. Wain.

ADULT EDUCATION. Vacation Courses included: Devonshire Course for Colonial Admin. Officers; Univ. of Lond. Extra-Mural Summer Sch.; Conferences of Agric. Res. Council, Milk Production Officers, Nat. Agric. Advisory Service, Colonial Dirs. of Agric. and British Grassland Society. A substantial no. of lectures were given to agric. and hortic. societies, farmers' clubs, etc.; discussions led by staff members were also held.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Sir Philip Morris, Brist.; Prof. C. D. Darlington, Oxon.; Sir E. John Russell; Prof. F. W. Went, Calif. Tech., "Plant Growth Regulating Substances"; The Rt. Hon. Lord Carrington, "The Responsibilities of the Present Day Agricultural Landlord"; Prof. Sir David Brunt, "The Basis of Microclimatology"; Prof. Dame Lillian Penson, "The Makings of Foreign Policy"; Mrs. Jaquetta Hawkes, "Our Primitive Beginnings".

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES AND COLLEGES. Prof. Cooper, Gold Coast and Ibadan; Prof. Miles, Ghent; Prof. Wain, Ghent and Khartoum; R. F. Lond, R. R. W. Folley, I. G. Reid, Univs. in U.S.A.; several visits to British Univs. by Principal Skilbeck, Profs. Cooper, Miles, Wain, Dr. Wilkinson, Dr. Selman and A. G. Davis.

RETIREMENT. A. H. Burgess (Hop Res. Dept.)

RESIGNATIONS. R. M. Dobson, apptd. to Rothamsted Experimental Station; Ruth Nash, apptd. to Edin. Sch. of Agric.; Eleanor O'Nians, apptd. to Chelsea Polytechnic; Margaret Allen, apptd. to Bee Keeping Res. Dept., Aberd.; G. Campleman, apptd. to White Fish Authority; Winifred Thomas, apptd. to N.A.A.S., Wye; Joyce Toothill, apptd. to West of Scotland Agric. Coll.; K. C. Edwards, David Brown Tractors Ltd.

HONORARY AWARD. *Fellow of Wye Coll.*—Prof. C. D. Darlington, former student, Sherardian Prof. of Botany, Oxon.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	120	14
Women	61	3
Total	181	17

Postgraduate students, 27 (full-time 10, pt.-time 17).

New admissions, 50.

Students from other countries, 14. (Countries from which largest numbers came: Egypt, 3; Cyprus, 2; Federation of Malaya, 2.)

DEGREES AWARDED. B.Sc. Agric., 35; B.Sc. Hortic., 32; Ph.D., 1; M.Sc., 9. *Total number of first degrees awarded*, 67.

DIPLOMAS AWARDED. National Dipl. in Agric., 5.

[*Information compiled as at* 11/6/54 ; *Staff list revised on* 11/10/54.]

THEOLOGICAL SCHOOLS OF THE UNIVERSITY

APPOINTED AND RECOGNIZED TEACHERS

In the following list the names of the Theological Schools are indicated thus :

KING'S COLLEGE, THEOLOGICAL DEPT. (KT.).
LONDON COLLEGE OF DIVINITY (L.).
NEW COLLEGE, LONDON (N.).
RICHMOND COLLEGE (R.).

Theology

Blackman, Rev. E. C., B.D., M.A. Camb. (N.).
Coggan, Rev. F. D., M.A. Camb., D.D. Tor. (L.).
*James, Rev. E. O., D.Litt. Oxon., D.D. St. And., Ph.D. Prof. (KT.).
*McHardy, W. D., D.Phil. Oxon., M.A., B.D. Aberd., M.A. Edin. Samuel Davidson Prof. (KT.).
Nuttall, Rev. G. F., M.A., D.D. Oxon. (N.).
Roberts, Rev. H., M.A. Wales, Ph.D. Camb. (R.).
Nineham, Rev. D. E., M.A. Oxon. Prof. (KT.).
Simon, Rev. U. E., M.Th. Lectr. (KT.).
*Tasker, Rev. R. V. G., M.A., B.D. Camb. Prof. (KT.).

* Appointed Teacher.

GENERAL INFORMATION

† KING'S COLLEGE, THEOLOGICAL DEPARTMENT (Church of England), Strand, London, W.C.2. (*Telephone* : Temple Bar 5454.) Dean—Rev. Canon E. S. Abbott, M.A. Sec.—I. P. Shaw, M.A. Founded 1846 (v. King's Coll.). Complete courses for all Theol. degrees. Fees: for tuition, undergraduate courses, £50 per session. *Hostel* for students, King's Coll. Theological Hostel, Vincent Square, S.W.1. Fee for residents, £110 per session. Full-time students, 251 ; internal students of the Univ., 72 ; pt.-time students, 22. The Coll. grants the A.K.C. Dipl. in Theol. to Anglican students who satisfactorily complete the 3-yr. course in the Strand and a 4th yr. in the Dept's College at St. Boniface College, Warminster, Wilts. (*Telephone* : 3122 ; Warden : Rev. S. H. Evans.)

†LONDON COLLEGE OF DIVINITY (Church of England). Present Address : Ford Manor, Lingfield, Surrey. (*Telephone* : Lingfield 577 (Principal), 588 (Students).) New buildings are to be erected at Northwood, Middx.

† Not in receipt of U.G.C. grants.

Principal—Rev. F. D. Coggan, M.A. Camb., D.D. Tor. Hon. Sec. of Council—Rev. T. G. Mohan, M.A.

Founded and endowed 1863 by Dr. A. Peache, Chancellor of the Western Univ. of Canada. Courses for A.L.C.D. (Associateship of the London College of Divinity) and for B.D. of Univ. of London. *Fees*: Entrance, 2 gs.; board and tuition, £180 per session. Residential accommodation for 47 students. Internal students—26.

†NEW COLLEGE, LONDON (Congregational), 527 Finchley Road, Hampstead, London, N.W.3. (*Telephone*: Hampstead 3719.) Principal—Rev. W. J. F. Huxtable, M.A. Sec., Rev. J. B. Binns, M.A.

New College, London, the origin of which goes back to 1673, is a Theological Coll. (a Divinity School of the Univ. of London), primarily for the training of men and women for the Congregational Ministry. Internal students—35. Fees (for students not on the Foundation): Sessional Composition Fee of the Univ., £50; or 9 gs. for each class.

†RICHMOND COLLEGE (Methodist), Richmond, Surrey. (*Telephone*: Richmond 1886.) Principal—Rev. Prof. F. B. Clogg, M.A., B.D.

Opened 1843. Students are, normally, accepted candidates for Ministry of the Methodist Church, but other Univ. students may be admitted. Residential accommodation for about 60. Internal students—59. *Fees*: £198 per session for residence and tuition.

† Not in receipt of U.G.C. grants.

UNDERGRADUATE MEDICAL AND DENTAL SCHOOLS

[*Information compiled as at* 15/6/54 ; *Staff list revised on* 11/10/54.]

CHARING CROSS HOSPITAL MEDICAL SCHOOL

Founded 1834

Postal Address : 62-65 Chandos Place, London, W.C.2, England.
Telephone : Temple Bar 0581-4.

CHAIRMAN—The Rt. Hon. THE LORD INMAN, J.P.

DEAN—E. C. WARNER, M.D., B.S., B.Sc., F.R.C.P.

SECRETARY—B. S. DREWE, M.A , LL B.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics
Clausen, R. J., M.C., M.B., B.S. Lectr.
Ashworth, H. K., M.B., Ch.B. Manc. Lectr.

Anatomy
Hamilton, W. J., D.Sc. Glas., M.B., B.Ch., B.A.O. Belf. Prof.

Biochemistry
Sykes, W. O., M.Sc. Lectr.

Chemical Pathology
Patterson, J., M.Sc., Ph.D. St. And. Prof.

Clinical Pathology
Shaw, S., M.D., B.S. Lectr.

Dermatology
Wigley, J. E. M., M.B., B.S. Melb., F.R.C.P. Lectr.

Forensic Medicine
Gorsky, J. A. Lectr.

Medicine
Hickling, R. A., B.A., M.D., B.Chir. Camb., F.R.C.P. Lectr.
Smith, K. Shirley, M.D., B.S., B.Sc., F.R.C.P. Lectr.
Warner, E. C., M.D., B.S., B.Sc., F.R.C.P. Lectr.
Plummer, N. S., M.D., B.S., F.R.C.P. Lectr.
Elliott, F. A., M.B., Ch.B. Cape T., F.R.C.P. Lectr.

Morbid Anatomy
Symmers, W. St. C., M.D., B.Ch., B.A.O. Belf. Prof.

Obstetrics and Gynæcology
Williams, H. G. E., M.D., B.Chir. Camb., F.R.C.S.Ed., F.R.C.O.G. Lectr.
Arthure, H. G. E., M.D., B.S., F.R.C.S. Lectr.

Ophthalmology
Milner, J. G., M.A., M.B., B.Chir. Camb., F.R.C.S. Lectr.

Orthopædic Surgery
Trevor, D. T., M.B., M.S., F.R.C.S. Lectr.

Oto-Rhino-Laryngology
Sharp, H. S., B.A., M.B., B.Chir. Camb., F.R.C.S. Lectr.

Taylor, L. R. S., B.A., M.B., B.Chir., F.R.C.S. Lectr.

Pædiatrics

Bell, A. D. C., D.M., B.Ch. Oxon [Lectr.

Pathology

Evans, W. E. D., M.D., B.S. Lectr.

Physiology

Burns, W., D.Sc., M.B., Ch.B. Aberd. Prof.

Psychiatry

Randell, J. B., B.Sc., M.B., B.Ch. Wales, D.P.M. Lectr.

Radiotherapy

Patterson, R. M., M.C., D.M.R.E. Lectr.

Surgery

Marshall, C. J., M.D., M.S., F.R.C.S. Lectr.

Crook, E. A., M.A., M.B., M.Chir. Camb., F.R.C.S. Lectr.

MacLeod, A. C., M.B., B.S., F.R.C.S. Lectr.

Fitzsimons, R. A., M.B., B.S., B.Sc., F.R.C.S. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Accountant: V. J. Delaney; Librarian: B. Armitage.

GENERAL INFORMATION

The School was opened in 1834 and provides for all medical studies from the beginning to qualification, and includes depts. of anat., physiol., biochem., pharmacol., chem., phys., biol., clin. and gen. pathol. The depts. of anat. and physiol. were reopened in 1947 after a lapse of 36 yrs. With its associated hospls. there is a service of 670 beds. 45 students are admitted annually.

MUSEUM. A notable feature of the School is the pathological museum, in which is housed, in addition to an exhaustive collection illustrating general, pathol. conditions, the famous Lockyer collection of obstetric and gynæcol. specimens. The anatomy museum has been built up during the last few years and now consists of a very extensive collection of human and comparative material prepared by modern methods. A special feature is the embryological section showing progressive stages of development.

LIBRARY. The library contains nearly 5000 volumes, including the latest editions of text-books and journals of the learned societies, both British and American. There is a fully qualified librarian and an assistant.

ADMISSION. *See* p. 211 and App. I.

FEES. There is an entrance fee of 15 gs., and an inclusive annual fee of 55 gs. Union and athletic contributions are included in these fees.

SCHOLARSHIPS. Scholps., exhibitions and prizes, approx. of £1000 in value, are offered for award each year. The number of pre-registration house posts available in the group is high in proportion to the small number of students admitted, in addition to which there are 20 Registrarships, a number of Demonstratorships and other posts available.

PUBLICATION. *Charing Cross Hospital Gazette.*

THE YEAR 1952–53

NEW BUILDINGS. Additional accomm. near School acquired and adapted, and now occupied by depts. of clin. pathol. and chem., the latter including chemical pathol., biochem. and org. chem. Considerably increased space

thus available for teaching and other work of the School. Kingsbury Maternity Hosp. added to Charing Cross Teaching Group; to be brought into use in April 1954 as an addtnl. obstetric unit for instruction of students.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	190	7
Women	50	..
Total	240	7

Postgraduate students, 10.

New admissions, 56.

Students (full-time) from other countries, 5. (British W. Africa, 2; British W. Indies, 2.)

DEGREES. M.B., B.S. Lond., 36; B.Sc. (Spec.) Lond., 1; M.D. Lond., 1; M.S. Lond., 1; Ph.D. Lond., 1; M.B., B.Chir. Camb., 4.

DIPLOMAS. L.R.C.P., M.R.C.S., 8; F.R.C.S., 2; M.R.C.O.G., 1; D.P.H. 2; F.F.A., 3; D.A., 1.

[*Information compiled as at* 1/6/54 ; *Staff list revised on* 11/10/54.]

GUY'S HOSPITAL MEDICAL SCHOOL

Founded 1724

Postal Address: St. Thomas's Street, London Bridge, London, S.E.1, England.
Telephone: Hop 3500.

DEAN—E. R. BOLAND, C.B.E., M.D., F.R.C.P.

SUB-DEAN (Medical School)—C. G. BAKER, O.B.E., M.D., F.R.C.P.

SUB-DEAN (Dental School)—F. S. WARNER, F.D.S.R.C.S.

SECRETARY—W. F. COOK.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Marston, A. D., C.B.E., F.R.C.S., F.F.A.R.C.S.
Harris, T. A. B., M.D. Melb., F.F.A.R.C.S.
McConnell, W. S., M.B., B.S., F.F.A.R.C.S.
Rink, E. H., B.M., B.Ch. Oxon., F.F.A.R.C.S.

Anatomy

Whillis, J., M.D., M.S. Durh. Prof.
Joseph, J., M.D. Glas. Reader.

Bacteriology

Knox, R., M.D. Prof.

Biochemistry

Haslewood, G. A. D., D.Sc., Ph.D. Prof.
Shore, Agnes, Ph.D., B.Sc. Sr. Lectr.

Biology

Foxon, G. E. H., M.A. Camb., M.Sc. Wales Reader.
Baxter, E. W., B.Sc. Sr. Lectr.

Cardiology

Campbell, J. M. H., O.B.E., D.M. Oxon.
Baker, C. G., O.B.E., M.D.

Chemical Pathology

Thompson, R. H. S., D.M. Oxon. Prof.

Chemistry

Gent, W. L. G., Ph.D., B.Sc. Reader.
Brain, F. H., M.A., Ph.D., B.Sc. Sr. Lectr.

Children's Diseases

Evans, P. R., M.D. Manc.
MacKeith, R. C., M.A., D.M. Oxon

Dental Medicine

Rushton, M. A., M.A., M.D. Camb., F.D.S.R.C.S. Prof.

Dental Prosthetics

Fenn, H. R. B., F.D.S.R.C.S., D.D.S. Prof.

Dental Surgery

Bulleid, A., F.D.S.R.C.S.
Hooper, K., F.D.S.R.C.S.
Warner, F. S., F.D.S.R.C.S.
Herbert, W. E., F.D.S.R.C.S. Prof.
Mansie, J. W., F.D.S.R.C.S.
Thompson, A. R. F., F.D.S.R.C.S.
Holland, R. O., L.D.S.
Pringle, K. E., F.D.S.R.C.S. (Orthodontics).

Rix, R. E., F.D.S.R.C.S. (Orthodontics).

Dermatology
Forman, L., M.D.
Moynahan, E. J.

Endocrinology
Bishop, P. M. F., D.M. Oxon.

Forensic Medicine
Simpson, C. K., M.D. Reader.

Medicine
Douthwaite, A. H., M.D.
Boland, E. R., C.B.E., F.R.C.P.
Hampson, A. C., M.C., M.D. Camb.
Mann, W. N., M.D.
Hardwick, C., M.D. Camb.
Baker, C. G., O.B.E., M.D.
Kauntze, R., M.D. Camb.
Maclean, K. S., M.D. Camb.

Mental Diseases
Munro, T. A. H., M.D. Edin

Neurology
Symonds, Sir Charles, K.B.E., C.B., D.M. Oxon.

Obstetrics and Gynæcology
Gibberd, G. F., M.S., F.R.C.O.G.
Blaikley, J. B., F.R.C.S., F.R.C.O.G.
Lewis, T. L. T., F.R.C.S.

Ophthalmology
Morgan, O. G., M.Chir. Camb.
Law, F. W., M.D. Camb., F.R.C.S.

Orthopædics
Stamm, T. T., M.B., B.S., F.R.C.S.
Batchelor, J. S., F.R.C.S.

Oto-Rhino-Laryngology
Cann, R. J., M.S.
Reading, P. V., M.S.

Pathology
Wright, G. Payling, D.M. Oxon. Prof.

Readers
Knott, F. A., M.D.,
De Navasquez, S. J., M.D.
Gorer, P. A. I., D.Sc.
Merivale, W. H. H., M.B , B.S

Pharmacology
Robson, J. M., D.Sc., M.D. Leeds Prof.

Physical Medicine
Crisp, E. J., M.D. Camb.

Physics
Allsopp, C. B., M.A., Ph.D., D.Sc. Prof.

Physiology
Spurrell, W. R., M.S., F.R.C.S. Prof.
Bishop, P. M. F., D.M. Oxon.
Hunt, J. N., D.Sc., M.B., B.S. Sr. Lectr.
Anderson, D. J., M.Sc., B.D.S. Sr. Lectr.

Radiology
Hills, T. H., M.B., B.S., D.M.R.E.

Surgery
Massie, G., C.B.E., M.S.
Eckhoff, N. L., M.S.
Atkins, H. J. B., D.M., M.Ch. Oxon.
Wass, S. H., M.S.
Blackburn, G., O.B.E., M.Ch. Oxon.
Lawrie, R. S., M.D., M.S.
Glover, F. N., M.S.
Clarkson, P. W., M.B.E., F.R.C.S.
Doherty, W. D., M.Chir. Camb. (Genito-Urinary).
Kilpatrick, F. R., M.S. (Genito-Urinary).
Brock, Sir R. C., M.S. (Thoracic).

Venereal Diseases
Lloyd, V. E., M.C., M.B., B.S.

ADMINISTRATIVE AND OTHER STAFF

Warden of the College: C. G. Baker, O.B.E., M.D. Director of Student Health Service: R. Kauntze, M.D.

GENERAL INFORMATION

MEDICAL SCHOOL. The School of Medicine and Surgery may be considered to date its formal commencement from about the year 1769.

COURSES. Teaching covers all subjects of the medical curriculum, including a course for the First Examn. for Medical Degrees. Approved courses in the Fac. of Science in Anat., Physiol. and Chem. are also provided.

LIBRARY. The Wills Library is available for the use of students and contains approx. 20,000 vols., including up-to-date text-books, and the usual medical journals.

MUSEUM. The Gordon Museum was presented to the School in 1905. In point of size it is second only to that of the Royal Coll. of Surgeons, and contains specimens of Pathol. Anat. which form a collection unrivalled for its extent and educational value.

ADMISSION. *See* p. 211 and App. I.

RESIDENCE. Accomm. is provided for approx. 65 senior students.

FEES. Entrance, 15 guineas; annual composition fee, £56 : 6s., inclusive of materials.

SCHOLARSHIPS. 2 Pre-clinical Entrance Scholps. of £40 p.a. each for 5½ yrs., awarded annually in March; War Memorial Entrance Scholp. of £40 p.a., awarded in alternate yrs.; confined Junior Science Scholp. of £100 p.a.; confined Epsom Scholp. entitling holder to free medical education for 5½ yrs.; Clinical Entrance Scholp. entitling holder to free medical education for 3 yrs., and Exhibition of £120.

DENTAL SCHOOL. Est. 1888, it is fully equipped on modern lines and provides for the teaching of the entire dental curriculum. Dental students benefit by the intimate association with the Med. School. *Fees*: 1st-yr. course for B.D.S., £56 : 6s.; subsequently Annual Composition Fee, £76 : 6s. *Scholarships*: 1 War Memorial Entrance Scholp. of £50 p.a.; 1 Entrance Scholp. of the same value; 1 confined Jr. Sci. Scholp. of the value of £100; Jubilee Scholp. of £50 p.a. for sons and daughters of men and women who have (*a*) obtained a registrable qualification in Med. Dentistry or Nursing after studying at Guy's, or (*b*) held a teaching appt. in the Hospl. or Schools for a period of not less than 5 yrs.; 1 confined Epsom Scholp. entitling the holder to free Dental Educn. Scholps. (except Jr. Sci. Scholps.) are for normal period of students' course. Annual and other Studentships, Prizes and Medals.

PUBLICATIONS. *Guy's Hospital Gazette* (fortnightly); *Guy's Hospital Report* (quarterly).

THE YEAR 1952–53

MEDICAL SCHOOL

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	507	108
Women	63	7
Total	570	115

Postgraduate students, 115.
New admissions, 99.

DEGREES, ETC., OBTAINED. M.B., B.S. Lond., 42 ; M.B., B.Chir. Camb., 15 ; B.M., B.Ch. Oxon., 4 ; D.M. Oxon., 2 ; M.D. Camb., 3 ; Diplomas, 99.

DENTAL SCHOOL

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	334	2
Women	30	15
Total	364	17

New admissions, 62.

DEGREES, ETC. B.D.S. Lond., 17 ; Diplomas, 74.

Students (full-time) from other countries at Medical and Dental Schools, 85. (Countries from which largest numbers came : S. Africa, 21 ; British W. Indies, 8 ; British W. Africa, 8 ; Mauritius, 5 ; British Guiana, 3.)

[*Information compiled as at* 26/5/54 ; *Staff list revised on* 11/10/54.]

KING'S COLLEGE HOSPITAL MEDICAL SCHOOL

Founded 1830

Postal Address: Denmark Hill, London, S.E.5, England.
Telephone: Brixton 1731, 5739.

DEAN—VERNON F. HALL, F.F.A.R.C.S.

VICE-DEAN—A. J. HERIOT, M.S., F.R.C.S.

SUB-DEAN OF THE DENTAL SCHOOL—RALPH COCKER, M.B., Ch.B. Manc., F.D.S.R.C.S.

SECRETARY—W. F. GUNN, LL.B., F.C.I.S.

LIBRARIAN—LILIAN SERGEANT, F.L.A.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Hall, V. F., F.F.A.R.C.S. Lectr.
Cartwright, F. F., F.F.A.R.C.S.
Galley, A. H., M.B., B.S., F.F.A.R.C.S.
Mason, S. A., M.B., B.S.

Dental Surgery

Lecturers

Cocker, R., M.B., Ch.B. Manc., F.D.S.R.C.S.
James, J., F.D.S.R.C.S.
Marsh, L. R., F.D.S.R.C.S.
Moore, A. S.
Wade, W. N. L.
Collyer, W. F., F.D.S.R.C.S.
Liddelow, K. P., F.D.S.R.C.S.
Trotter, P. A., B.D.S. Birm., H.D.D. Edin.
Rosenstiel, E.
Leighton, B. C., H.D.D. Glas.
Halder, A. R.
Gimson, A. P.
2 Jr. Demrs.

Dermatology

Lecturers

Thomson, S., M.A., M.D. Camb., F.R.C.P.
Williams, D. I., M.B., B.S., F.R.C.P.

Diseases of Children

Lecturers

Sheldon, W. P. H., C.V.O., M.D., F.R.C.P.
Wilmers, Mary J., M.D., F.R.C.P.

Forensic Medicine

Cogswell, A. P. L., M.B., B.S. Lectr.

Industrial Medicine

Pringle, P., LL.B., B.Sc. (Econ.) Lond. Lectr.

Medicine

Lecturers

Critchley, M., M.D. Brist., F.R.C.P.
East, C. F. T., M.A., D.M. Oxon., F.R.C.P.
Lawrence, R. D., M.D. Aberd., F.R.C.P.
Livingstone, J. L., M.D., F.R.C.P.
Gilpin, A., M.D., F.R.C.P.
Hoyle, J. C., M.D., F.R.C.P.
Pearson, R. S. B., D.M. Oxon., F.R.C.P.

Nevin, S., M.D. Belf., B.Sc., F.R.C.P.
Oakley, W. G., M.A., M.D. Camb., F.R.C.P.
Oram, S., M.D., F.R.C.P.
Cutforth, R. H., M.D. Lond. Tutor.

Mental Diseases

Hill, D., M.B., B.S., D.P.M., F.R.C.P. Lectr.

Obstetrics and Gynæcology

Gilliatt, Sir W., K.C.V.O., M.D., M.S., F.R.C.P., F.R.C.S., F.R.C.O.G. Emeritus Lectr.
Peel, J. H., M.A., B.M. Oxon., F.R.C.S., F.R.C.O.G. Lectr.
Clayton, S. G., M.D., M.S., F.R.C.S., F.R.C.O.G. Lectr.

Ophthalmology

Lecturers

Savin, L. H., M.D., M.S., F.R.C.S.
Lyle, T. K., C.B.E., M.A., M.D., M.Chir. Camb., F.R.C.S.

Oto-Rhino-Laryngology

Lecturers

Daggett, W. I., M.B., B.Chir. Camb., F.R.C.S.
Cawthorne, T., F.R.C.S.
Lewis, R. S , M.A., M.B., B.Chir. Camb., F.R.C.S.
Mawson, S. R., M.B., B.Chir. Camb., F.R.C.S.

Pathology

Magnus, H. A., M.D. Prof.
Gray, C. H., M.D , D.Sc. Lond., F.R.I.C. Prof.
Cunliffe, A. C., M.A., M.D. Camb. Reader.

Lecturers

Davidson, W. M., M.B., Ch.B. Aberd.
Cardell, B. S., M.D. Lond.
Meade, B. W., M.D. Lond.
Nicholson, D. C., Ph.D. Leeds.
Smith, M. J. H., Ph.D. Lond., M.Pharm. Wales, F.R.I.C.
Smith, D. R., M.A., M.D. Camb.
Talbot, J. M., M.D. Lond.
Rushton, D. G., M.B., B.S. Lond.
4 Demrs.

Physical Medicine

Cooksey, F. S., O.B.E., M.D. Lond.

Public Health

Standring, T., M.D. Lond.

Radiology

Shawcross, E. W. H., M.A. Camb., D.M.R.E. Lectr.
Blewett, J., M.D. Melb., F.F.R.
Rackow, A. M., B.Sc., M.B., B.S. Lond., D.M.R.E.

Surgery

Lecturers

Wakeley, Sir C. P. G., K.B.E., C.B., LL.D. Glas., D.Sc., M.Ch. Cairo, P.R.C.S.
Edwards, H. C., C.B.E., M.S., F.R.C.S.
Kendall, A. W., V.D., M.S., F.R.C.S.
Muir, E. G., M.S., F.R.C.S.
Wood, H. L. C., M.S., F.R.C.S.
Bell, J. G. Y., M.B., B.S., F.R.C.S.
Heriot, A. J., M.S., F.R.C.S.
Cleland, W. P., M.B., B.S. Adel., F.R.C.S.
Rees, H., M.A., M.Ch. Oxon., F.R.C.S.
Catterall, R. C. F., M.Chir. Camb., F.R.C.S.
Taylor, S., M.A., M.Ch. Oxon., F.R.C.S.

Tropical Medicine

Manson-Bahr, Sir Philip, C.M.G., D.S.O., M.A., M.D. Camb., F.R.C.P.

Venereal Diseases

Lydon, F. L., M.B., B.Ch., B.A.O.N.U.I. Lectr.
Stacey, Christine M., M.B., B.S.

Cowburn Fellow

Jackson, F. L., M.B., B.S., Dip. Bact.

ADMINISTRATIVE AND OTHER STAFF

Student Medical Officer: R. H. Cutforth, M.D. Lond. Accountant: C. H. Meredith.

GENERAL INFORMATION

King's College Hospital Medical School was founded in 1830 and was admitted as a school of the Univ. in the Fac. of Med. in 1909. The Medical School provides the clinical training for students reading for the degrees of London, Oxford and Cambridge Univs. Under the conditions of the incorporation of King's Coll. in the Univ., the Univ. continues to teach in the King's Coll. bldgs. the preliminary and intermediate medical studies leading to the M.B., B.S. and B.D.S. degrees of the Univ. of London.

The new buildings of the Medical School were opened in 1933, and the new Dental School in 1940. The buildings include a library (7000 volumes) and reading-room and a pathological museum. The students' hostel is within five minutes' walk of the Hospl. and Medical School, and the athletic ground is within ten minutes' walk.

ADMISSION. *See* p. 211 and App. I.

SCHOLARSHIPS. Scholps. to the value of £2000 are available for award annually. 23 Approved Intern. appointments are made every six months.

FEES. The inclusive tuition fee for Medicine is £55 p.a. There is a registration fee of £5 : 5s., payable upon acceptance, and an entrance fee of £10 : 10s., payable on the commencement of clinical studies. 50 medical and up to 25 dental students (including women) are admitted annually. The inclusive fee for Dentistry is £65 p.a.

STUDENT HEALTH SERVICE. Instituted 1938; consists of annual medical examination and X-ray.

PUBLICATIONS. Official: Medical and Dental School *Prospectuses, Annual Report.* Student: *King's Coll. Hospital Gazette* (3 times p.a.). *King's and Some King's Men,* by Willoughby Lyle (O.U.P., 1935, 25s.; *Addendum,* 1950, 30s.).

THE YEAR 1952–53

NEW POST. Cowburn Fellowship (Pathol. and Allied Subjects).

VISIT BY MEMBER OF STAFF FROM OTHER UNIVERSITY. W. Spaulding, Tor. (Neurol.).

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITY. W. Waugh, Tor. (Orthop.).

RESIGNATION. G. F. M. Hall (Morbid Anat.).

DEATHS. J. A. Drake (Dermatol.); J. D. King (Dir., Dent. Res. Unit).

STUDENT NUMBERS. 258 men; 39 women.

Postgraduate students, 13.
New admissions, 77 (64 Medical, 13 Dental).
Students from other countries, 16. (Countries from which largest numbers came: Germany, 3; Nigeria, 2.)

DEGREES AWARDED. *Dent.*: B.D.S. Lond., 6; *Med.*: M.B., B.S. Lond., 35; B.M., B.Ch. Oxon., 1; M.B., B.Chir. Camb., 7; M.D. Lond., 2; M.D. Camb., 1; M.S. Lond., 1; M.Chir. Camb., 1; Ph.D. Lond., 3. *Total number of first degrees awarded*, 49.

DIPLOMAS AND CERTIFICATES AWARDED. *Dent.*: L.D.S.R.C.S., 22; *Med.*: L.R.C.P., M.R.C.S., 38; L.M.S.S.A., 4; F.R.C.S., 1; M.R.C.P., 2.

[*Information compiled as at* 27/5/54 ; *Staff list revised on* 11/10/54.]

THE LONDON HOSPITAL MEDICAL COLLEGE

Founded 1785; incorporated as a constituent School of the University of London in 1900

Postal Address: Turner Street, London, E.1, England.
Telephone: Bishopsgate 2456, 9936-7.

CHAIRMAN—Col. W. M. PRYOR, D.S.O.

DEAN—H. B. MAY, M.D. Camb., F.R.C.P.

MEDICAL SUB-DEAN—J. R. ELLIS, M.B.E., M.B.

DENTAL SUB-DEAN—A. M. HORSNELL, F.D.S.

SECRETARY—H. P. LAIRD, B.A.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics
Challis, J. H. T., F.F.A.R.C.S.
Brown, A. I. P., F.F.A.R.C.S.

Anatomy
Harrison, R. J., D.Sc. Glas., M.A., M.B., B.Chir. Camb. Prof.

Bacteriology
Barwell, C. F., M.A., M.D. Camb. Prof.

Biochemistry
Warren, F. L., M.A. Oxon., Ph.D., D.Sc., F.R.I.C. Prof.

Chemotherapy
Valentine, F. C. O. Reader.

Dental Surgery
Allen, A. G., F.D.S.R.C.S. Dir. of Prosthetic Dent.
Allen, S. G., F.D.S.R.C.S.
Hankey, G. T., O.B.E., T.D., F.D.S.R.C.S.
Horsnell, A. M., F.D.S.R.C.S. Dir. of Conservative Dentistry.
Keizer, W. R., F.D.S.R.C.S.
Miles, A. E. W., F.D.S.R.C.S. Prof.
Ward, N. L., L.D.S., D.D.S.

Dermatology
Russell, B. F., M.D., F.R.C.P.

Diseases of Children
Dobbs, R. H., M.D. Camb., F.R.C.P.
Tallerman, K. H., M.C., M.D. Camb.

Experimental Biochemistry
Morris, C. J. O. R., Ph.D., M.Sc., F.R.I.C. Prof.

Forensic Medicine
Camps, F. E., M.D. Reader.

Histology
Bourne, G., D.Sc. W.Aust., D.Phil. Oxon.

Medicine
Bomford, R. R., D.M. Oxon., F.R.C.P.

Brain, Sir Russell, M.A., D.M., B.Ch. Oxon., F.R.C.P.
Brigden, W. W., M.D., F.R.C.P.
Clark-Kennedy, A. E., M.D. Camb., F.R.C.P.
Evans, Sir Horace, K.C.V.O., M.D., F.R.C.P.
Evans, W., M.D., D.Sc., F.R.C.P.
Henson, R. A., M.D.
Hunter, D., M.D., F.R.C.P.
Ledingham, J. M., M.D. Reader.
Perry, K. M. A., M.D., F.R.C.P.
Rusby, N. L., D.M. Oxon., F.R.C.P.
Wilson, C., M.A., D.M. Oxon., F.R.C.P. Prof.

Mental Diseases

Wilson, H. L., M.D. Camb., F.R.C.P.

Morbid Anatomy

Russell, Dorothy S., M.A., Sc.D., D.M. Oxon., F.R.C.P. Prof.
Landells, J. W., M.B., B.Chir. Camb. Reader.

Neuro-Surgery

Northfield, D. W. C., M.S., F.R.C.S.

Obstetrics and Gynæcology

Brews, R. A., M.D., M.S., F.R.C.S., F.R.C.O.G.
Lack, V. J. F., M.D., F.R.C.P., F.R.C.S.Ed., F.R.C.O.G.
Percival, R. C., F.R.C.S

Ophthalmology

Lister, A., M.B., B.Chir. Camb., F.R.C.S.

Orthopædics

Clarke, H. Osmond, C.B.E., M.B., F.R.C.S.
Law, W. A., O.B.E., M.D. Camb., F.R.C.S.
Vaughan Jackson, O. J., B.M., B.Ch. Oxon., F.R.C.S.
Watson-Jones, Sir R. W., B.Sc., M.Ch. Liv., F.R.C.S.

Oto-Rhino-Laryngology

Bowen-Davies, A., M.B., B.Chir. Camb., F.R.C.S.
Keogh, C. A., M.B., B.Chir. Camb., F.R.C.S.
Lindahl, J. W. S., M.Ch., F.R.C.S.

Pathology

May, H. B., M.D. Camb., F.R.C.P.
Salaman, M. H., M.A., M.D., Dip.Bact.

Pharmacology

Weatherall, M., M.A., D.M. Reader.

Physical Medicine

Tegner, W. S., M.A., B.M., B.Ch. Oxon.

Physiology

D'Silva, J. L., Ph.D., D Sc., M.B., B.S. Prof.

Plastic Surgery

Heanley, C. L., M.B., B.Chir. Camb., F.R.C.S.

Radiology

Boden, G. W., B.Sc., D.M.R.E., F.F.R.
Jupe, M. H., D.M.R.E., F.R.C.S., F.F.R.

Surgery

Butler, E. C., M.B., B.S., F.R.C.S.
Dix, V. W., M.A., F.R.C.S. Prof.
Donald, C., O.B.E., Ch.M. Aberd., F.R.C.S.
Moore, A. M. A., F.R.C.S.
Perry, A. C., M.S., F.R.C.S.
Richardson, J. E., M.S., F.R.C.S.
Taylor, H., M.D. Camb., M.Ch., F.R.C.S.

Thoracic Surgery

Thompson, V. C., M.B., B.S., F.R.C.S.
Flavell, G., F.R.C.S.

Venereal Diseases

King, A. J., M.B., B.S., F.R.C.S.

GENERAL INFORMATION

The Hospl. and Annexe at Brentwood provide 898 beds.

LIBRARY AND MUSEUM. The Library includes Thomson Yates Research Library, containing chief British and foreign periodicals for Anat., Physiol. and Pathol. New additions to recently renovated Museum include a section on Forensic Medicine.

LABORATORIES. Teaching and research labs. are provided for (1) Bacteriol., (2) Pathol. and Morbid Anat. in the Bernhard Baron Inst. of Pathol., (3) Anat., (4) Pharmacol., (5) Physiol. and Histol., (6) Organic Chem. and Biochem., (7) Medical and Surgical Res. Labs., (8) Dental Pathol., (9) Conservative and Prosthetic Dentistry, which are being considerably enlarged.

ADMISSION. *See* p. 211 and App. I.

FEES. Medical: Entrance, £10 : 10s.; Annual, £48. Dental: Entrance, £10 : 10s.; Annual, £54.

SCHOLARSHIPS. There are 40 scholps. and prizes.

RESIDENCE. There is a Hostel for 98 male students adjacent to the Coll. (*Telephone*: Bishopsgate 7017). Charges: £2 : 11s. to £3 : 6s. per week.

PUBLICATIONS. *Prospectus* and *Calendar* (annual); *Directory of former students* (every 3 yrs.); *The History of the London Hospital* (Arnold and Co., 1910); (Students) *L.H. Gazette*.

THE YEAR 1952–53

RETIREMENT. Dr. A. E. Clark-Kennedy (Dean).

STUDENT NUMBERS.

MEDICAL		
	Full-Time	*Part-Time*
Men	432	45
Women	64	6
Total	496	51

Postgraduate students, 51.
New admissions, 105.

DENTAL		
	Full-Time	*Part-Time*
Men	115	..
Women	7	..
Total	122	..

New admissions, 19.

Students (full-time, Medical and Dental) from other countries, 36 (Countries from which largest numbers came: British W. Africa, 4; S. Africa, 4; Canada, 3; New Zealand, 3.)

DEGREES. *Dent.*: B.D.S. Lond., 13; *Med.*: M.B., B.S. Lond., 51; M.B., B.Chir. Camb., 19; B.M., B.Ch. Oxon., 1; *Sci.*: B.Sc., 5.

DIPLOMAS. *Dent.*: L.D.S., 25; *Med.*: L.R.C.P., M.R.C.S., 30; L.M.S.S.A., 9.

[*Information compiled as at* 4/6/54 ; *Staff list revised on* 11/10/54.]

MIDDLESEX HOSPITAL MEDICAL SCHOOL

Founded 1835

Postal Address : Mortimer St., London, W.1, England.
Telephone : Museum 8333.

CHAIRMAN—Col. Hon. J. J. ASTOR, D.Lit.

DEAN—Professor B. W. WINDEYER, M.B., B.S. Syd., D.Sc. Br. Col., D.M.R.E. Camb., F.R.C.S. Ed. and Eng., F.R.A.C.S., F.F.R.

SECRETARY—EILEEN M. WALTON.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics
Idris, A. E. W., F.F.A.
Johnson, B. R. M.

Anatomy
Walls, E. W., B.Sc., M.B., Ch.B., M.D. Glas. Prof.
Silver, P. H. S., Ph.D., M.B., B.S.

Bacteriology
..... Prof.

Biochemistry
Dodds, Sir Charles, M.V.O., D.Sc., Ph.D., M.D., B.S., F.R.C.P., F.R.I.C., F.R.S. Prof.
Dickens, F., M.A. Camb., D.Sc., Ph.D., D.I.C., F.R.I.C., F.R.S. Prof.
Lawson, W., M.Sc. Liv., F.R.I.C. Reader.
Kellie, A. E., Ph.D.
Jepson, J. B., M.A., B.Sc., D.Phil.

Biology
Woodger, J. H., D.Sc. Prof.

Chemistry
O'Sullivan, D. G., B.Sc., Ph.D., D.I.C.
Holt, S. J., B.Sc., Ph D., F.R.I.C.

Dental Surgery
Packham, A. L., F.D.S.
Breese, H. W., F.D.S.

Dermatology
Bettley, F. R., M.D., F.R.C.P.

Diseases of Children
Hart, E. W., M.B.E., M A., M.D. Camb., D.C.H.

Diseases of Nervous System
McAlpine, D., M.D., Ch.B. Glas., F.R.C.P.
Kremer, M., M.D., B.Sc., F.R.C.P.

Medicine
Bedford, D. E., M.D., B.S., F.R.C.P.
Marriott, H. L., C.B.E., M.D., F.R.C.P.
Willcox, A., M.A., M.D., B.Chir. Camb., F.R.C.P.
Hadley, G. D., M.A., M.D. Camb., F.R.C.P.
Kekwick, A., M.A., M.B., B.Chir. Camb., F.R.C.P. Prof.

Mental Diseases
Harris, N. G., M.D., B.S., D.P.M., F.R.C.P.
Hobson, J. A., B.Sc., M.D., D.P.M.

Morbid Anatomy
Thackray, A. C., M.D. Camb. Reader.

Neuro-Surgery

Beck, Diana, M.B., F.R.C.S.

Obstetrics and Gynæcology

Roques, F. W., M.A., M.D., M.Chir. Camb., F.R.C.S., F.R.C.O.G.

Winterton, W. R., M.A., M.B., B.Chir. Camb., F.R.C.S.

Jackson, I. M., B.A., M.B., B.Chir. Camb., F.R.C.S.

Ophthalmology

Goldsmith, A. J. B., M.B., B.S., F.R.C.S.

Orthopædics

Wiles, P., M.B., M.S., F.R.C.S.

Newman, P. H., D.S.O., M.C., F.R.C.S.

Oto-Rhino-Laryngology

Wilson, C. P., C.V.O., F.R.C.S.

Monkhouse, J. P., M.B., B.S., F.R.C.S.

Pathology

Scarff, R. W., M.B., B.S. Prof.

Pharmacology

Keele, C. A., M.D., B.S., F.R.C.P. Prof.

Physical Medicine

.....

Physics

Roberts, J. E., D.Sc., F.I.P. Prof.

Cook, H. F., B.Sc., Ph.D., F.I.P.

Physiology

Wright, S., M.D., F.R.C.P. Prof.

Neil, E., B.Sc., M.D., Ch.B. Reader.

Floyd, W. F., B.Sc., Ph.D., F.I.P.

Plastic Surgery

Mowlem, R., M.B., Ch.B. N.Z., F.R.C.S.

Radiodiagnosis

Hodgson, Sir Harold Graham, K.C.V.O., M.B., B.S. Durh., D.M.R.E. Camb., F.R.C.P.

Golding, F. C., M.B., Ch.M. Syd., D.M.R.E. Camb., F.R.C.P., F.F.R.

Radio-Therapy

Windeyer, B. W., M.B., B.S. Syd., D.Sc. Br. Col., D.M.R.E. Camb., F.R.C.S. Ed. and Eng., F.R.A.C.S., F.F.R. Prof.

Snelling, Margaret D., B.S., F.R.C.S.

Surgery

Hudson, R. V., F.R.C.S.

Riches, E. W., M.C., M.B., M.S., F.R.C.S.

Patey, D. H., M.B., M.S., F.R.C.S.

Handley, R. S., O.B.E., M.A., M.B., B.Chir. Camb., F.R.C.S.

Murray, C. J. B., M.S., F.R.C.S.

Lloyd-Davies, O. V., M.S., F.R.C.S.

Thoracic Surgery

Sellors, T. H., M.A., D.M., M.Ch. Oxon., F.R.C.S.

Tropical Medicine

Chesterman, C. C., O.B.E., M.D., D.T.M. & H.

ADMINISTRATIVE AND OTHER STAFF

Accountant: N. D. Stone. Librarian: Ruth J. Mee.

GENERAL INFORMATION

The Medical School is fully equipped for the theoretical and practical teaching of all the subjects of the Medical Curriculum, including Chem., Physics and Biol. for the 1st M.B. Examn.

The School contains the Bland-Sutton Institute of Pathol., with Museum and Labs.; Barnato-Joel Res. Labs. (Physics); S. A. Courtauld Inst. of

Biochem.; Ferens Inst. of Otology; Meyerstein Inst. of Radiotherapy; Clin. Res. Inst.; professorial med. unit and surgical unit.

LIBRARY. The Library is open to all students of the School and contains the latest medical text-books and the leading medical journals.

ADMISSION. *See* p. 211 and App. I.

RESIDENCE. There is limited accomm. for resident students. Surgical Dressers live in during their "Emergency Week," as do the Extern. Clerks during their course in Midwifery.

SCHOLARSHIPS AND PRIZES. Numerous Scholps. and Prizes are awarded annually to a total value of over £1000. These include 2 Entrance Scholps. to the value of £100 each; 2 Scholps. value £100 each for Univ. of London students of the Med. Sch. who have completed studies in Anat. and Physiol.; and 2 open to students of the Univs. of Oxford and Cambridge who have completed the Curriculum for, or passed, the Examns. in Anat. and Physiol.

FEES. Entrance, £15 : 15s.; Tuition, £50 p.a.; Clubs, £7 : 7s. p.a.

PUBLICATIONS. *Medical School Prospectus* (annually in mid-Sept.); *The Story of the Middlesex Hospital Medical School 1835–1935*, by Dr. H. C. Thomson (written for School's centenary); *Middlesex Hospital Journal* (produced by students bi-monthly).

THE YEAR 1952–53

STUDENT NUMBERS.

	Full-Time	*Part-Time* *
Men	382	23
Women	75	..
Total	457	23

New admissions, 80.

Students (full-time) from other countries, 21. (Countries from which largest numbers came: Ceylon, 4; Nigeria, 3.)

DEGREES AND DIPLOMAS. M.B., B.S. Lond., 36 m., 6 w.; M.B., B.Chir. Camb., 20 m., 1 w.; B.M., B.Ch. Oxon), 5 m., 1 w.; L.R.C.P., M.R.C.S., 16 m., 2 w.; L.S.A., 3 m.; B.Sc., 4 m.; M.Sc., 1 m., 1 w.; D.Sc. Leeds, 1 m.; Ph.D., 5 m.; M.D., 6 m.; M.R.C.P., 8 m., 1 w.; F.R.C.S., 3 m.; D.M.R. (D.), 1 m.; Academic Postgrad. Dipl. in Pub. Health, 1 m.; Academic Postgrad. Cert. in Pub. Health, 2 m.

* All postgraduate.

[*Information compiled as at* 8/6/54 ;
Staff list revised on 11/10/54.]

ROYAL DENTAL HOSPITAL OF LONDON, SCHOOL OF DENTAL SURGERY

Founded 1858

Postal Address : 32 Leicester Square, London, W.C.2, England.
Telephone : Whitehall 6427-8.

CHAIRMAN OF THE COUNCIL—A. L. PACKHAM, F.D.S.R.C.S.

DEAN—H. L. HARDWICK, F.D.S.R.C.S.

SCHOOL SECRETARY—K. R. McK. BIGGS, B.A.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Karn, R. G., M.C.
Sibley, O. L. C., F.F.A.R.C.S.

Dental Anatomy and Dental Surgery

Hovell, J. H., F.D.S.R.C.S.

Dental Metallurgy

.....

Dental Surgery

..... Prof.
Packham, A. L., F.D.S.R.C.S.
Henry, C. B., F.D.S.R.C.S.
Ainsworth, N. J., M.C., F.D.S.R.C.S.
Greenish, V. A. F., F.D.S.R.C.S.
Fickling, B. W., F.R.C.S., F.D.S.R.C.S.
Walker, D. G., M.A., M.B., B.Ch., B.A.O., M.Dent.Sc. Dub., F.D.S.R.C.S.
Hardwick, H. L., F.D.S.R.C.S.
Graham, M. P., F.D.S.R.C.S.

Oral Pathology

Lucas, R. B., M.D., Ch.B., D.P.H. Edin. Prof.

Orthodontics

Walther, D. P. Reader.

Radiology

Blackman, S., D.M.R.E. Camb.

GENERAL INFORMATION

HISTORY. Founded 1858 by Odontological Society of London. Opened in Soho Square 1859, after successful appeal to Royal Coll. of Surgeons and Parliament for establishment of examn. for Licentiate in Dent. Surgery. Moved to Leicester Square in 1874. Present bldg. erected 1901. A School of the Univ. since 1911. Incorporated 1948, pursuant to Section 15 of the N.H.S. Act (1946), when its parent hospital was designated to St. George's Hospital Group.

CONSTITUTION. Governed by a Council including representatives of Univ., Royal Dental Hosp. and teaching staff.

INCOME. Total income in 1953–54, £53,575. Endowments, 1 per cent.; University Court, 75 per cent.; Fees, 19 per cent.; other sources, 5 per cent.

LIBRARY. Stobie Memorial Library (opened 1949). 1850 vols., full reading service.

FACILITIES OF SPECIAL INSTITUTIONS. Pre-clin. students attend courses in anat. and physiol. at Royal Free Hosp. Sch. of Med., University Coll. and King's Coll. Clin. students attend courses in general med. and surg. at Charing Cross Hosp. Med. Sch. New Dept. of Pathol. provides teaching of general pathol. and bacteriol. as well as dental aspects of these subjects, and is associated with Dept. of Pathol. at St. George's Hosp. Med. Sch.

ADMISSION. *See* p. 211 and App. I. For admission to the School students must have satisfactory qualifications in general education and pass or gain exemption from the 1st M.B. or Pre-Medical examination. Admission to L.D.S. course now severely restricted.

FEES. For instruction for the B.D.S. Degree or L.D.S. Diploma—Registration fee, 5 gs. Composition fees (including all normal tuition fees, materials, hire of apparatus, etc.), B.D.S. course, £320, payable in four annual instalments of £75 and a fifth instalment of £20; L.D.S. course, £288, payable in four annual instalments of £75.

SCHOLARSHIPS. Numerous scholps. and prizes are awarded annually, including an Entrance Scholp. of £100.

STUDENT HEALTH SERVICE. Annual examn. of all students by mass miniature radiog. by arrangement with Univ. General Student Health Service by arrangement with St. George's Hosp. Med. Sch. has operated since 1951.

PUBLICATIONS. *Calendar*; *Royal Dental Hospital Magazine.*

THE YEAR 1952–53

PATRONAGE. H.M. The Queen honoured the School and Hospital with the conferment of her royal patronage.

BENEFACTIONS. Bequests were received from S. J. Kaye and A. A. Matthews.

NEW BUILDINGS. Work began on new accom. for women students as part of jt. Sch. and Hosp. internal replanning scheme.

NEW POSTS. Full-time Asst. Dir. of Dept. of Dental Prosthetics; full-time Asst. Dir. in Conservation Dept.; Sr. Lectr. in Oral Pathol.; Lectr. in Orthodont. Dept.; half-time Asst. Dir. in Surg. Dept.

VISIT BY MEMBER OF STAFF FROM OTHER UNIVERSITY. Dr. H. Myrhaug, Haukeland Hosp. Dent. Clinic, Bergen, sp. Univ. lecture on "The Surgical Treatment of Habitual Dislocation of the Mandible and of Mandibular Protrusion".

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITIES. The Dean, Penn. Dent. Sch. (as delegate to Diamond Jubilee celebrations) and Dent. Schools at Wash., Chic. and Detroit.

RETIREMENT. S. A. Riddett (pt.-time Clin. teacher).

RESIGNATION. Dr. A. B. MacGregor, apptd. to John Humphreys Chair of Dent. Surg., Birm. Univ.

DEATH. Kathleen Corisande Smyth, Reader in Orthodont.

STUDENT NUMBERS.

	Full-Time	*Part-Time* *
Men	212	12
Women	29	..
Total	241	12

Postgraduate student, 1.

New admissions, 25 (13 full-time ; 12 part-time).

Students (full-time) from other countries, 4. (S. Africa, 2 ; British E. Africa, 1 ; Mauritius, 1).

DEGREES AWARDED (by Univ. of Lond.). B.D.S., 8 ; L.D.S., 46.

* B.D.S. students attending preclin. courses at other schools of the Univ. or more than half time.

[*Information compiled as at* 8/6/54 ; *Staff list revised on* 11/10/54.]

ROYAL FREE HOSPITAL SCHOOL OF MEDICINE

Founded 1874

Postal Address : Hunter Street, Brunswick Square, London, W.C.1, England.
Telephone : Terminus 5385.

PRESIDENT—ELIZABETH BOLTON, C.B.E., M.D., B.S.

DEAN—KATHARINE G. LLOYD-WILLIAMS, M.D., F.F.A.R.C.S.

CHAIRMAN OF THE COUNCIL—FRANCIS W. LASCELLES, C.B., M.C

HON. TREASURER—Sir DONALD F. ANDERSON, M.A. Oxon.

WARDEN AND SECRETARY—JOAN I. BEALE, B.A.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Dawkins, C. J. M., M.A., M.D. Camb., F.F.A.R.C.S.
Idris, A. E. W., F.F.A.R.C.S.
Lloyd-Williams, Katharine G., M.D., F.F.A.R.C.S
Rowbotham, E. S., M.D. Durh., F.F.A.R.C.S.

Anatomy

Bowden, Ruth E. M., M.B., B.S. Prof.
Napier, J. R. Reader.
Dickson, Lilian M., M.B., Ch.B. Glas. Sr. Lectr.

Biology

Lucas, Catherine L. T., M.Sc. Sr. Lectr.
Hughes, Mrs. Margaret, B.Sc., Ph.D. Sr. Lectr.

Chemistry, Inorganic

Sanderson, Phyllis M., B.Sc., Ph.D., D.I.C. Sr. Lectr.
Kurzer, F., B.Sc., Ph.D. Lectr.

Chemistry, Organic

Lawson, A., B.Sc., Ph.D. Glas. Reader.

Dermatology

Brain, R. T., M.D., F.R.C.P.

Infectious Diseases

Gunn, W., M.A., M.B., Ch.B. Aberd., D.P.H., F.R.C.P.

Laryngology and Otology

Scott-Brown, W. G., C.V.O., M.A., M.D. Camb., F.R.C.S.

Medicine

Baker, Doris M., M.D., F.R.C.P.
Davies, Sir Daniel, K.C.V.O., B.Sc., M.D. Wales, F.R.C.P.
Dimsdale, Mrs. Helen E., M.A., M.D. Camb., F.R.C.P.
Fletcher, E. T. D., M.A., M.D. Camb., F.R.C.P.
Gardner, Frances V., M.D., F.R.C.P.
Hancock, P. E. T., M.B., B.Chir. Camb., F.R.C.P.
Kremer, M., B.Sc., M.D., F.R.C.P.
Ledingham, Mrs. Una C., M.D., F.R.C.P.
Lee Lander, F. P., O.B.E., M.D., F.R.C.P.

Macpherson, Alice M. C., M.D., F.R.C.P.

Mental Diseases

Nicol, W. D., M.B., B.S., D.P.M., F.R.C.P.

Obstetrics and Gynæcology

Barnes, Josephine, D.M. Oxon., F.R.C.S., F.R.C.O.G.
Gray, A. O., M.D., F.R.C.P., F.R.C.S., F.R.C.O.G.
Hill, Gladys, M.A., M.D., F.R.C.S., F.R.C.O.G.
Howkins, J., M.D., M.S., F.R.C.S., F.R.C.O.G.
Landau, Muriel E., M.D., F.R.C.S.
Mocatta, Sybil G., M.D., F.R.C.S.
Moore, Jocelyn A. M., M.B., B.S., F.R.C.S., F.R.C.O.G.
Robinson, Kathleen M., M.D., F.R.C.S., F.R.C.O.G.
Turner, Beatrice E., O.B.E., M.B., B.S., F.R.C.S.Ed., F.R.C.O.G.

Ophthalmology

Dollar, Jean M., M.S., F.R.C.S.
Hobbs, H. E., M.B., B.S., F.R.C.S.

Oto-Rhino-Laryngology

Collier, Josephine, M.A., B.M., B.Ch. Oxon., F.R.C.S.
McLaggan, J. D., C.V.O., M.A., M.B., Ch.B. Aberd., F.R.C.S.

Pædiatrics

James, Ursula, M.B., B.S.
Shelley, Ursula, M.D., F.R.C.P.

Pathology

Webb, R. A., Ph.D. Camb., A.B. Tennessee, M.D. Johns H. Prof.

Pathology: Bacteriology

Crowley, Nuala F. T. Sr. Lectr.

Pathology, Chemical

Baron, D. N., M.D. Reader.

Pathology: Morbid Anatomy

Stansfeld, A. G., M.A., M.B., B.Chir. Camb. Sr. Lectr.

Pharmacology

Zaimis, Mrs. Eleanor J., B.Sc., M.D. Athens. Reader.

Physics

Simons, H. A. B., M.A. Camb., Ph.D. Reader.

Physiology

Killick, Esther M., M.B., Ch.B., D.Sc. Leeds Prof.
Downman, C. B. B., B.Sc., Ph.D. Reader.
Walsh, E. O'F., B.Sc., Ph.D. Sr. Lectr.
Scott, Mrs. Patricia P., B.Sc., Ph.D. Lectr.

Radiology

Staveley, Dulcie C., M.B., B.S., D.M.R.E.

Radiotherapy

Wade, Phyllis, M.B., B.S., D.M.R.

Surgery

Barry, Geraldine M., M.S., F.R.C.S.
Gardham, A. J., M.S., F.R.C.S.
Gray, C. H., B.Sc., M.B., Ch.B. Manc., F.R.C.S.
Hindenach, J. C. R., M.D. N.Z., F.R.C.S.
Johnson, H. D., M.A., M.B., B.Chir. Camb., F.R.C.S.
MacLeod, C., M.B., B.S., F.R.C.S.
Maingot, R. H., F.R.C.S.
Qvist, G., M.B., B.S., F.R.C.S.

Venereal Diseases

Shaw, Mrs. Mary M., M.B., B.S.

ADMINISTRATIVE STAFF

Registrar: Pauline McCormick, B.A. Accountant: Winifred Webb. Asst. Sec.: Mrs. Gladys Barnes, B.A. Librarian: Mrs. Helen Brandreth, B.A., F.L.A. House Steward: Carmen Norfolk.

GENERAL INFORMATION

The School, as the London School of Medicine for Women, was founded for the medical education of women in 1874, and was granted a Royal Charter in 1938. It became co-educational in 1947, and alterations to the Charter allowed for the admission of men students and for the title of the School to be changed to the Royal Free Hospl. School of Medicine.

ADMISSION. *See* p. 211 and App. I. Entry is restricted to students reading for Univ. Degrees. Pre-clin. students are admitted to the Sch. in Oct. only each yr. and application should be made on the prescribed form at least a yr. before admission is desired. Students are not admitted under age of 18, and must have fulfilled requirements of the Med. Fac. of the Univ. (*see* App. I). Students from other Univs. are admitted to complete the clin. part of the course leading to a degree of their own Univ.

COURSES. The curriculum provides the courses of instruction required for the Medical Degrees of the Univ. of London, and covers 5½ years. The Royal Free Teaching Group comprises the Royal Free and its annexes at Lawn Road, Hampstead, and Liverpool Road, N.1, the Elizabeth Garrett Anderson and the Hampstead General Hospls., giving over 900 beds for clin. teaching. Facilities available for postgrad. and res. students in pre-clinical Depts.

FEES. The annual fee is £55. An entrance fee of £5 is payable by all students accepting a place.

SCHOLARSHIPS, ETC. Entrance Scholps. and undergrad. awards to total value of £2000 offered annually. Postgrad. res. scholps., to value of £2000, and including the Annie McCall Fellowship in Midwifery, value £1000, awarded annually.

LIBRARY. Main library at Hunter St.; smaller libraries in various Depts. and in Hospls. of the Group.

PUBLICATIONS. *Annual Prospectus*; *Annual Report*; *Royal Free Hospital Magazine* (produced by students 4 times a year).

THE YEAR 1952–53

NEW BUILDINGS. Reconstruction of rooms in old wing to provide Council Room, new Sr. Common Room and addtl. library and office accomm. New students quarters at Liverpool Rd. Annexe.

NEW POSTS. Asst. Lectrs. in Biol., Chem., and Phys.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. Webb (Pathol.), U.S.A.; Dr. Napier (Anat.), Iowa.

RETIREMENT. Miss E. Sylk (Surgeon, Elizabeth Garrett Anderson Hosp.).

RESIGNATION. Miss M. Ball (Phys., Elizabeth Garrett Anderson Hosp.).

DEATHS. Dr. F. E. S. Willis (Phys., Hampstead Gen. Hosp.); Dr. A. J. Martin (Phys., Royal Free Hosp.).

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	57	..
Women	387	..
Total	445	..

Postgraduate students, 5.

New admissions, 99.

Students (full-time) from other countries: 43. (Countries from which largest numbers came: British W. Indies, 6; India, 4; S. Africa, 3; Gold Coast, 3.)

DEGREES AWARDED. M.B., B.S. Lond., 47 (2 with Hons.); B.Sc. Sp. Lond.), Anat. 1, Physiol. 1; M.D. Lond., 10; M.D. Camb., 1.

[*Information compiled as at 2/6/54 ; Staff list revised on 11/10/54.*]

ST. BARTHOLOMEW'S HOSPITAL MEDICAL COLLEGE

Founded 1662

Postal Address : West Smithfield, London, E.C.1, England.
Telephone : Monarch 7404.

VICE-PRESIDENT—J. BASIL HUME, M.S., F.R.C.S.
DEAN—E. G. TUCKWELL, M.Ch. Oxon., F.R.C.S.
SUB-DEAN—J. W. COPE, F.R.C.S.
SECRETARY—C. E. MORRIS.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Evans, F. T., M.B., B.S., F.F.A.R.C.S.
Hewer, C. L., M.B., B.S., F.F.A.R.C.S.

Anatomy

Cave, A. J. E., M.D., D.Sc. Manc., F.L.S., F.R.A.I. Prof.
Butler, H., M.D. Camb. Reader.

Bacteriology

Garrod, L. P., M.D., B.Chir. Camb., F.R.C.P. Prof.
Shooter, R. A., M.D. Camb. Reader.

Biochemistry

Wormall, A., D.Sc. Leeds, F.R.I.C. Prof.
Francis, G. E. C., Ph.D. Lond., F.R.I.C. Reader.

Children's Diseases

Harris, C. F., M.D., F.R.C.P.
Franklin, A. W., M.B., B.Chir. Camb., F.R.C.P.

Dental Surgery

Hankey, G. T., O.B.E., T.D., F.D.S.

Dermatology

MacKenna, R. M. B., M.D. Camb., F.R.C.P.

Medicine

Black, K. O., M.D. Camb., F.R.C.P.
Bourne, G., M.D., F.R.C.P.
Christie, R. V., M.D. Edin., D.Sc., F.R.C.P. Prof.
Cullinan, E. R., M.D., F.R.C.P.
Gibb, W. E., D.M. Oxon., F.R.C.P.
Hayward, G. W., M.D., B.S., F.R.C.P.
Oswald, N. C., M.D. Camb., F.R.C.P.
Scott, R. Bodley, D.M. Oxon., F.R.C.P.
Scowen, E. F., M.D., F.R.C.P. Reader.
Spence, A. W., M.D. Camb., F.R.C.P.
Turner, J. W. A., D.M., B.Ch. Oxon., F.R.C.P.

Obstetrics and Gynæcology

Beattie, W. J. H. M., M.D., B.Chir. Camb., F.R.C.S., F.R.C.O.G.

Fraser, D. B., B.M., B.Ch. Oxon., F.R.C.S.
Howkins, J., M.S., M.D., F.R.C S., F.R.C.O.G.

Ophthalmology
Philps, A. S., F.R.C.S.
Stallard, H. B., M.B.E., M.D., B.Chir. Camb., F.R.C.S.

Orthopædics
Higgs, S. L., M.B., B.Chir. Camb., F.R.C.S.
Burrows, H. J., M.D., B.Chir. Camb., F.R.C.S., F.R.A.C.S.

Oto-Rhino-Laryngology
Capps, F. C. W., F.R.C.S.
Jory, N. A., F.R.C.S.
Hogg, J. C., B.Chir. Camb., F.R.C.S.

Pathology
Blacklock, J. W. S., M.D. Glas., F.R.F.P.S.Glas. Prof.
Cunningham, G. J., M.D. Lond. Sr. Lectr.
Lehmann, H., M.D. Basle, Ph.D. Camb., F.R.I.C.
Brewer, H. F., M.D. Camb.

Physics
Rotblat, J., D.Sc. Warsaw Prof.
Banks, T. E., Ph.D. Birm., F.I.P. Sr. Lectr.

Physiology
Franklin, K. J., D.M., B.Ch. Oxon., D.Sc., F.R.C.P. Prof.
McDonald, D. A., M.B., B.Ch. Oxon. Reader.

Psychiatry
Strauss, E. B., M.A., D.M. Oxon., F.R.C.P.

Radiology
Harper, R. A. K., M.D. Edin., D.R., F.R.C.P. Ed., F.R.F.P.S.Glas.
Williams, I. G., M.B., D.M.R.E. Camb., F.R.C.S., F.F.R.

Surgery
Badenoch, A. W., M.A., M.D., Ch.M. Aberd., F.R.C.S.
Corbett, R. S., M.Chir. Camb., F.R.C.S.
Hosford, J. P., M.S., M.B., F.R.C.S.
Hume, J. B., M.S., M.B., F.R.C.S.
Hunt, A. H., D.M., M.Ch. Oxon., F.R.C.S.
McIndoe, Sir A. H., C.B.E., M.S., F.R.C.S.
Nash, D. F. E., F.R.C.S.
Naunton Morgan, C., M.B., B.S. Lond., F.R.C.S.
O'Connell, J. E. A., M.S., F.R.C.S.
Ross, Sir J. P., K.C.V.O., M.S., F.R.C.S. Prof.
Tubbs, O. S., M.B., B.Chir. Camb., F.R.C.S.
Tuckwell, E. G., M.Ch. Oxon., F.R.C.S.

Venereal Diseases
Nicol, C. S., M.D.

Zoology and Comp. Anat.
Marshall, A. J., D.Phil. Oxon. Reader.

ADMINISTRATIVE AND OTHER STAFF

Warden: E. F. Scowen, M.D., F.R.C.P. Medical Officer: J. H. Coulson, D.C.H. Librarian: J. L. Thornton.

GENERAL INFORMATION

St. Bartholomew's Hospl. was founded in 1123 by the monk Rahere, who subsequently founded the priory of St. Bartholomew's. The Medical School was founded in 1662.

LIBRARY, MUSEUM, ETC. The library contains all the standard works of Medical, Surgical and the allied sciences, medical and other periodicals, with a valuable collection of works on Religion, History and General Literature. The Museum contains a complete series of pathol. specimens, the growth of considerably more than a century; there are, in addition, extensive series of casts and drawings, as well as large collections of specimens illustrating General and Comparative Anat., Physiol., Zool. and Morphol. There are several large labs. and numerous research labs.

ADMISSION. *See* p. 211 and App. I.

FEES. The entrance fee to the Coll. is £5 : 5s. with an annual tuition fee of £54 : 12s.

STUDENT RESIDENCE. Residence in College Hall (accomm. for 80 men and 20 women) is restricted to internal students of the College who are undertaking their clin. studies.

SCHOLARSHIPS. There is a total annual sum of the value of over £2000 available for Scholps.; four for Research (in Medicine, Surgery and Pathol.) are open to graduates of any Univ. studying at St. Bartholomew's Hospl.

PUBLICATION. *Handbook* (annual).

THE YEAR 1952–53

NEW BUILDINGS. First stage of rebuilding war-damaged labs. well advanced.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	524	37
Women	139	6
Total	663	43

Postgraduate students, 90.

First-year admissions, 86.

Students (full-time) from other countries, 35. (Countries from which largest numbers came: S. Africa, 8; British W. Indies, 7; India, 2.)

DEGREES. M.B., B.S. Lond., 116; M.B., B.Chir. Camb., 20; B.M., B.Ch. Oxon., 9.

[*Information compiled as at* 27/5/54 ; *Staff list revised on* 11/10/54.]

ST. GEORGE'S HOSPITAL MEDICAL SCHOOL

Founded 1752

Postal Address : Hyde Park Corner, London, S.W.1, England.
Telephone : Sloane 9433.

CHAIRMAN OF THE MEDICAL SCHOOL COUNCIL—Sir MALCOLM TRUSTRAM EVE, G.B.E., M.C., Q.C., M.A. Oxon.

DEAN—M. F. NICHOLLS, C.B.E., M.A., M.Chir. Camb., F.R.C.S.

VICE-DEAN—M. I. A. HUNTER, M.D. Camb., F.R.C.P.

HON. LIBRARIAN—G. EDWARDS.

SECRETARY—Lt.-Col. A. C. H. NEWNHAM.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics
Edwards, G. Sr. Lectr.
Johnson, E. F., M.B., B.S. Lectr.
Landau, E. Lectr.

Applied Anatomy
Nicol, T., M.B., Ch.B., D.Sc. Glas., F.R.C.S.Ed. Lectr.

Bacteriology
Elek, S. D., Ph.D., M.D., D.C.P., D.P.H. Reader.

Cardiology
Hunter, M. I. A., M.D. Camb., F.R.C.P. Sr. Lectr.

Chemical Pathology
Martin, N. H., B.Sc. Durh., M.A., B.M., B.Ch. Oxon., F.R.I.C. Prof.

Dental Surgery
Fickling, B. W., F.R.C.S., F.D.S. Lectr.

Dermatology
Gordon, H. W., M.C., B.A., M.B., B.Chir. Camb., F.R.C.P. Lectr.

Forensic Medicine
Teare, R. D., M.B., B.Chir. Camb. Lectr.

Genito-Urinary Surgery
Nicholls, M. F., C.B.E., M.A., M.Chir. Camb., F.R.C.S. Sr. Lectr.
Anderson, H. F., M.B., B.Chir. Camb., F.R.C.S. Lectr.

Industrial Medicine
Chiesman, W. E., M.A. Camb., M.D., F.R.C.P. Lectr.

Medicine
Dow, J. F., B.A., M.B., B.Chir. Camb., F.R.C.P. Lectr.
Gainsborough, H., M.A., M.D. Camb., F.R.C.P. Sr. Lectr.
Hunter, M. I. A., M.D. Camb., F.R.C.P. Lectr.
..... Lectr.

Robson, K., M.A., M.D. Camb., F.R.C.P. Lectr.
Nassim, J. R., M.A., B.M. Oxon., F.R.C.P.

Mental Diseases (Psychiatry)
Curran, D., M.B., B.Chir. Camb., D.P.M., F.R.C.P. Sr. Lectr.
Mallinson, Sir Paul, M.A., B.M., B.Ch. Oxon. Lectr.
Miller, E., M.A. Camb., D.P.M. Camb., F.R.C.P. Lectr.

Neurology
Williams, D. J., D.Sc., M.D. Manc., F.R.C.P. Lectr.

Neuro-Surgery
McKissock, W., O.B.E., M.S., F.R.C.S. Sr. Lectr.

Obstetrics and Gynæcology
Kirwan-Taylor, H. G., M.A., M.B., B.Chir. Camb., F.R.C.S. Sr. Lectr.
Gwillim, C. M., M.D., D.P.H., F.R.C.P., F.R.C.S., F.R.C.O.G. Lectr.
Charles, A. H., M.A., M.B., B.Chir. Camb., F.R.C.S. Lectr.

Ophthalmology
Duke-Elder, Sir Stewart, K.C.V.O., D.Sc., M.D. St. And., Ph.D., F.R.C.S. Sr. Lectr.
Bridgeman, Hon. G. J. O., M.B., B.Chir. Camb., F.R.C.S. Lectr.

Orthopædics
Burns, B. H., M.B., B.Chir. Camb., F.R.C.S. Sr. Lectr.
Young, R. H., M.B., B.Chir. Camb., F.R.C.S. Lectr.

Oto-Rhino-Laryngology
Jory, P. J., D.S.O., M.B., Ch.B. N.Z., F.R.C.S. Sr. Lectr.
Peacock, J. R., M.B., B.Chir. Camb., F.R.C.S. Lectr.

Pædiatrics
Pinckney, C. P., M.A., M.B., B.Chir. Camb., F.R.C.P. Sr. Lectr.
Kesson, C. W., M.D., B.S. Lectr.

Pathology
Crawford, T., B.Sc., M.D. Glas., F.R.F.P.S.Glas. Prof.
Chalmers, J. N. M., M.D. Glas., D.P.H. Sr. Lectr.
Dudgeon, J. A., M.C., T.D., M.A., M.D. Camb. Sr. Lectr.

Physical Medicine
Shields, D. C., B.M., B.Ch. Oxon. Lectr.

Plastic Surgery
Blake, H. E., M.A , M.B., B.Chir. Camb., F.R.C.S. Lectr.

Proctology
Marnham, R., M.A., M.Chir. Camb., F.R.C.S. Lectr.

Radiology
Bull, J. W. D., B.A., M.D. Camb., D.M.R. Lectr.

Radiotherapy
Richmond, J. J., M.B., B.S. Melb., D.M.R.E., F.R.C.S. Lectr.

Surgery
Burns, B. H., B.A., M.B., B.Chir. Camb., F.R.C.S.
McKissock, W., O.B.E., M.S., F.R.C.S.
Marnham, R., M.A., M.Chir. Camb., F.R.C.S.
Nicholls, M. F., C.B.E., M.A., M.Chir. Camb., F.R.C.S.
Riddell, V. H., M.A., M.D. Camb., F.R.C.S.
Siddons, A. H. M., B.A., M.Chir. Camb., F.R.C.S.
Smith, E. R., M.S., F.R.C.S.
Anderson, H. F., M.B., B.Chir. Camb., F.R.C.S. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Dean's Secretary: Marjory B. Allam. Accountant: W. H. Martin. Librarian: Sybil M. Yorath.

GENERAL INFORMATION

St. George's Hospl. was opened for the reception of patients in 1734 and the physicians and surgeons were permitted to have a limited number of pupils from its inception. The School has existed in its present form since 1868. Since 1906 the teaching in the School has been devoted entirely to the clinical subjects and, by arrangement, students entering for the full course have done the pre-clinical work at King's Coll., London.

LIBRARY, MUSEUM, ETC. The School Library contains text-books and journals dealing with all branches of clinical study. The Pathol. Dept. contains labs. of Morbid Anat., Bacteriol., Hæmatol. and Chem. Pathol.

ADMISSION. *See* p. 211 and App. I.

FEES. The annual composition fee of £63 covers all courses in the School and Hospl. and includes the subscription to the Students' Union.

SCHOLARSHIPS. Six Entrance Scholps. of the total value of £800 are offered for competition annually. The subjects of examn. are either Anat. and Physiol. or Pathol. Prizes of the total value of £260 are also offered for competition each year.

RESEARCH. Qualified students wishing to undertake research are encouraged to do so. Small annual grants from endowments are available for this purpose.

PUBLICATION. *School Prospectus.*

THE YEAR 1952–53

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	152	27
Women	16	5
Total	168	32

Postgraduate students, 3 full-time; 32 pt.-time.

New admissions, 40 (35 men; 5 women).

Students (full-time) from other countries: 15. (Countries from which largest numbers came: S. Africa, 3; Nigeria, 2.)

DEGREES. M.B., B.S. Lond., 22; M.B., B.Chir. Camb., 8; B.M., B.Ch. Oxon., 1; Ph.D. Lond., 1; M.D. Lond., 3; M.D. Sheff., 1; M.S. Lond., 1.

[*Information compiled as at* 26/5/54 : *Staff list revised on* 11/10/54.]

ST. MARY'S HOSPITAL MEDICAL SCHOOL

Founded 1854

Postal Address : Norfolk Place, Paddington, London, W.2, England.
Telephone : Paddington 3612.

PRESIDENT—THE EARL OF VERULAM, M.A. Oxon., F.I.I.A.

DEAN—A. G. CROSS, M.A., M.D., F.R.C.S.

SECRETARY—J. E. STEVENSON, LL.B.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Morris, L. H., B.A., F.F.A.R.C.S. (C.).*
Lloyd Owen, M. W., T.D., M.B., B.Chir. Camb. (C.)
Thornton, H. L., F.F.A.R.C.S. (C.).

Anatomy

Goldby, F., M.A., M.D. Camb. Prof.
Bellairs, A. d'A., M.A., M.Sc. Reader.

Bacteriology

Cruickshank, R., Ch.B., M.D. Aberd., D.P.H., F.R.C.P. Prof.
Hughes, W. H., M.D., B.S. Reader.
Himmelweit, H., M.D. Berl., Ph.D. (C.).

Biochemistry

Williams, R. T., D.Sc. Birm., Ph.D. Wales Prof.
Smith, J. N., B.Sc., Ph.D., F.R.I.C. Lectr.

Biology

Foster, C. L., M.Sc., Ph.D. Reader.
Fisk, A., M.Sc. Lond. Lectr.
Cameron, E., Ph.D , D.Sc. Asst. Lectr.

Chemistry

King, G., D.Sc., F.R.I.C. Sr. Lectr.

Dental Surgery

Fish, Sir Wilfred, C.B.E., M.D., Ch.B. Manc., D.D.Sc. Melb., D.Sc , L.D.S. Manc., F.D.S.R.C.S. (C.).

Dermatology

Heggs, G. B. M., O.B.E., M.D., B.S., F.R.C.P. (C.).

Medicine

Hunt, T. C., B.A., D.M. Oxon., F.R.C.P. (C.).
Pickering, G. W., M.A., M.B. Camb., F.R.C.P. Prof.
Brooks, W. D. W., M.A., D.M., B.Ch. Oxon., F.R.C.P. (C.).
Litchfield, J. W., B.A., B.M., B.Ch. Oxon., F.R.C.P. (C.).
Ackroyd, J. F., M.B., Ch.B.

Mental Diseases

Pearce, J. D. W., M.A., M.D. Edin., F.R.C.P.Ed. (C.).

* (C.) = Pt.-time Clinical Teacher.

Neurology

Brinton, D. H., D.M., B.Ch. Oxon., F.R.C.P. (C.).*

Obstetrics and Gynæcology

Williams, L. H. W., M.D., M.S., F.R.C.S., F.R.C.O.G. (C.).
MacLeod, D. H., M.B., M.S., F.R.C.P., F.R.C.S., F.R.C.O G. (C.).

Ophthalmology

Cross, A. G., M.A., M.D., B.Ch., F.R.C.S. (C.).
Leigh, A. G., M.D., Ch.B., F.R.C.S. (C).

Orthopædics

Adams, J. C., M.D., B.S., F.R.C.S. (C.).

Oto-Rhino-Laryngology

Simpson, J. F., F.R.C.S. (C.).
Robin, I. G., F.R.C.S. (C.).

Pædiatrics

Lightwood, R. C., M.D., F.R.C.P. (C.).

Pathology and Morbid Anatomy

Pryce, D. M., M.D. Prof.
Wilson, R. R., M.A., M.D., B.Chir. Camb. Sr. Lectr.
Heptinstall, R. H., M.D., B.S. Sr. Lectr.
Neumark, E., M.D., B.S. Lond. Jr. Lectr.

Pathology, Chemical and Forensic Medicine

.....

Pharmacology

Stewart, H. C., M.D., B.Chir. Camb., Ph.D. Reader.
Nasmyth, P. A., B.Pharm. Wales, Ph D. Lectr.

Physics

Rowlands, S., Ph.D. Liv. Reader.

Physiology

Huggett, A. St. G. J. McC., D.Sc., Ph.D., M.B., B.S. Prof.
Cross, K. W., M.B., B.S. Reader.
Widdas, W. F., M.B., B.S. Durh., B.Sc. Lond. Sr. Lectr.

Radiology (Diagnostic)

Williams, E. R., M.D., D.M.R. & E. Camb., F.R.C.P., F.F.R.

Radiotherapy

Hulbert, M. H. E., M.B., B.S., D.M.R.E.

Surgery

Handfield-Jones, R. M., M.C., M.B., M.S., F.R.C.S., F.R.E.S. (C.).
Wright, A. D., M.B., M.S., D.T.M. & H., F.R.C.S. (C.).
Porritt, Sir A. E., K.C.M.G., C.B.E., M.A., B.M., M.Ch. Oxon., F.R.C.S. (C.).
Rob, C. G., M.C., M.A., M.B., M.Chir. Camb., F.R.C.S. Prof.

Venereal Diseases

McElligott, G. L. M., M.A. Oxon. (C.).
Jefferiss, F. J. G. (C.).
Willcox, R. R., M.D., B.S. (C.).

* (C.) = Pt.-time Clinical Teacher.

ADMINISTRATIVE AND OTHER STAFF

Accountant: E. J. Morris. Asst. Secretary: Mary D. Scott, M.B.E. Student Health Service Physicians: T. A. Kemp, M.D., B.Chir. Camb., F.R.C.P.; H. D. Cockburn, M.C.

GENERAL INFORMATION

Founded 1854. A School of the Univ. in the Fac. of Medicine and incorporated under the National Health Service Act, 1946.

LIBRARY. Over 5000 text-books and bound journals. Medical and scientific journals received regularly. Lending scheme in operation.

ADMISSION. *See* p. 211 and App. I.

COURSE OF STUDY. Entry is restricted to students reading for Univ. degrees, though students may take the Conjoint Fxamns. in addition if they wish. The Medical School provides complete courses of study for the Medical Examns. of the Univ. Each course is approved by the Univ. as satisfying their requirements for Internal Students. Students from other Univs. who have completed their examns. in Anat. and Physiol. are admitted to complete the clinical part of the course leading to a Degree of their own Univ.

CLINICAL UNITS. There are Clinical Units in Medicine and Surgery, the personnel of which wholly devote themselves to teaching and research and assist students wishing to carry out original work.

FEES. Registration fee, £5 : 5s. Annual fees, £57 : 15s. per session.

SCHOLARSHIPS AND PRIZES. Entrance, Men, 5 of £40 a year for 5 years. Entrance, Women, 1 of £40 a year for 5 years. Univ., for clinical students, 3 of £50 a year and 1 of £40 a year for 3 years. All these scholps. are eligible for supplementation by the Ministry of Education (application to be made in Jan.). Research Fellowships and many other prizes and scholps. are available.

PUBLICATION. *St. Mary's Hospital Gazette; History of St. Mary's Hospital Medical School* (Heinemann, London, 1954).

THE YEAR 1952–53

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	397	..
Women	81	..
Total	478	..

Postgraduate students, 25.

New admissions, 107 (88 men, 19 women).

Students (full-time) from other countries, 34. (Countries from which largest numbers came : S. Africa, 7 ; Egypt, 4 ; Gold Coast, 3 ; New Zealand, 3.)

DEGREES. B.M., B.Ch. Oxon., 6 ; M.B., B.S. Lond., 40 ; M.B., B.Chir. Camb., 6 ; M.D., 8 ; M.S., 2 ; M.Sc., 1 ; B.Sc , 2 ; Ph.D., 5.

DIPLOMAS. D.M.R., 2 ; D.Obst. R.C.O.G., 7 ; D.T.M. & H., 2 ; F.R.C.S., 4 ; M.R.C.P., 10 ; M.R.C.S., L.R.C.P., 50.

[*Information compiled as at* 1/6/54 ; *Staff list revised on* 11/10/54.]

ST. THOMAS'S HOSPITAL MEDICAL SCHOOL

Founded in the 13th century

Postal Address : Albert Embankment, London, S.E.1, England.
Telephone : Waterloo 5656, ext. 23.

DEAN—Professor W. G. BARNARD, C.B.E., F.R.C.P.

SUB-DEAN—J. FOREST SMITH, F.R.C.P.

MEDICAL SECRETARY—A. L. CROCKFORD, D.S.O., O.B.E., M C., T.D., M.A., M.B., B.Chir. Camb.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Low, W. A., M.C., M.B., B.S., F.F.A.R.C.S.
Ryan, J. F., M.B., B.S., F.F.A.R.C.S.
Bourne, J. G., M.A., M.B., B.Chir. Camb., F.F.A.R.C.S.
Wylie, W. D., M.A., M.B., B.Chir. Camb.
Nosworthy, M. D., M.A., M.D. Camb., F.F.A.R.C.S.

Anatomy

Davies, D. V., M.A. Camb., M.B., B.S. Prof.
Barnett, C. H., M.B., B.Chir. Camb., F.R.C.S.

Bacteriology

Hare, R., M.D., B.S. Prof.
Barber, Mary, M.D., B.S. Reader.

Biochemistry

Young, Leslie, D.Sc., Ph.D., F.R.I.C. Prof.
Lowndes, J., F.R.I.C. Sr. Lectr.
Maw, G. A., Ph.D., B.Sc. Lectr.

Biology

Hamilton, A. G., B.Sc., B.Agr. Belf., Ph.D. Sr. Lectr.

Cardiology

Jones, E., M.D., B.S., F.R.C.P.

Children's Diseases

Forest Smith, J., F.R.C.P.

Dental Surgery

Hovell, J. H., F.D.S.

Dermatology

Dowling, G. B., M.D., F.R.C.P.
Wallace, H. J., M.A., M.D. Camb., F.R.C.P.

Medicine

Gardiner-Hill, H., M.B.E., M.A., M.D. Camb., F.R.C.P.
Hilton, R., M.A., M.D. Camb., F.R.C.P.
Goadby, H. K., M.A., M.D. Camb., F.R.C.P.
Jones, E., M.D., B.S., F.R.C.P.
Richardson, J. S., M.V.O., M.A., M.D. Camb., F.R.C.P.
Harman, J. B., M.A., M.D. Camb., F.R.C.P., F.R.C.S.
Anderson, H. J., M.B., B.Chir. Camb., F.R.C.P.
Sharpey-Schafer, E. P., M.B., B.Chir. Camb., F.R.C.P. Prof.
Dornhorst, A. C., M.D., B.S. Reader.

de Wardener, H. E., M.B.E., M.D. Sr. Lectr.

Neurology

Elkington, J. St. C., M.A., M.D. Camb., F.R.C.P.

Obstetrics and Gynæcology

Wrigley, A. J., M.D., F.R.C.S., F.R.C.O.G.
Bowes, R. K., M.D., M.S., F.R.C.S.
Rickford, R. B. K., M.D., F.R.C.S.

Ophthalmology

Penman, G. G., M.A., M.D. Camb., F.R.C.S.
Ridley, H., M.A., M.D. Camb., F.R.C.S.

Orthopædic Surgery

Furlong, R. J., M.B., B.S., F.R.C.S.

Oto-Rhino-Laryngology

Neilson, D. F. A., B.A. Camb., F.R.C.S.
Mill, W. A., M.S., F.R.C.S.
Bateman, G. H., M.A., B.M., B.Ch. Oxon., F.R.C.S.

Pathology

Barnard, W. G., C.B.E., F.R.C.P. Dean and Prof.
Spencer, H., M.D., F.R.C.S., D.T.M. & H. Reader.
John, R. W. Sr. Lectr.
Pinniger, J. L., M.A., D.M. Oxon. Sr. Lectr.

Pathology, Chemical

Griffiths, W. J., B.Sc., Ph.D.
Prunty, F. T. G., M.A., M.D. Camb., F.R.C.P. Prof.

Pharmacology and Therapeutics

Stacey, R. S., M.A., M.D. Camb. Reader.

Physics

Cochrane, W., M.A., B.Sc., Ph.D. Glas. Sr. Lectr.

Physiology

Barcroft, H., M.A., M.D. Camb., F.R.S. Prof.
Vass, C. C. N., M.Sc., Ph.D., M.B., Ch.B. Leeds Reader.
Tanner, J. M., Ph.D., M.B., B.S., D.P.M., M.D. Penn. Lectr.

Plastic Surgery

Battle, R. J. V., M.B.E., M.A., M.Chir. Camb., F.R.C.S.

Psychiatry

Sargant, W. W., M.A., M.B., B.Chir. Camb., F.R.C.P., D.P.M.

Radiodiagnosis

McLaren, J. W., M.A., D.M.R.E. Camb., F.F.R.

Radiotherapy

Fleming, J. A. C., M.B., Ch.B., D.M.R., F.R.C.S.Ed., F.F.R.

Surgery

Romanis, W. H. C., M.A., M.B., M.Chir. Camb., F.R.C.S.
Robinson, R. H. O. B., M.A., M.B., B.Chir. Camb., F.R.C.S.
Boggon, R. H., M.B., M.S., F.R.C.S.
Barrett, N. R., M.A., M.Chir. Camb., F.R.C.S.
Mimpriss, T. W., M.B., M.S., F.R.C.S.
Nevin, R. W., T.D., M.A., M.B., B.Chir. Camb., F.R.C.S.
Kinmonth, J. B., M.S., F.R.C.S. Prof.
Pullan, J. M., M.Chir. Camb., F.R.C.S. Sr. Lectr.

Thoracic Disease

Barrett, N. R., M.A., M.Chir. Camb., F.R.C.S.
Anderson, H. J., M.B., B.Chir. Camb., F.R.C.P.

Venereal Diseases

Anwyl-Davies, T., M.D., F.R.C.P.

ADMINISTRATIVE AND OTHER STAFF

Librarian: F. A. Tubbs.

GENERAL INFORMATION

The School was founded in the 13th century and is now an incorporated Sch. of the Univ. of London. The governing body of the Sch. is the School Council and there is also an advisory Academic Bd. The Pre-med. and Pre-clin. Depts. are well equipped, and there are full Professorial Units in Med. and Surg. The Hospl. has over 700 beds available for teaching; the Library contains nearly 19,000 medical books and pamphlets. There is an extensive pathol. museum.

COURSES. Full instrucn. is provided for the whole course for the degree of M.B., B.S. London. Students for this degree join the pre-clin. period in Oct., but those from the Univ. of Oxford or Cambridge, who wish to do their clin. work in London for their own Univ. degrees, may join in April or Oct. A final F.R.C.S. course is held twice a yr., starting in March and Sept. Women students are accepted up to 15 per cent. of the annual entry.

UNIVERSITY ENTRANCE REQUIREMENTS. Students entering the pre-med. or pre-clin. periods must either have achieved London Matricn. or exemption therefrom, or (subsequent to April 30, 1951) must have passed the nec. subjs. in a General Certificate of Education examn. to enable them to be registered as matriculated students in the Univ. of Lond. on acceptance by the Med. Sch. *See also* p. 211 and App. I.

FEES. Tuition, £57 : 15s. p.a.; club subscription, 5 gs. p.a.

SCHOLARSHIPS. Scholps. are offered for entry into the pre-clin. and clin. periods and many scholps. and prizes are awarded during the yr. Res. facilities and scholps. available for postgrads.; 2 scholps. may be awarded annually to enable selected students to take a B.Sc. degree in Physiol. or Anat. before proceeding to clin. period.

STUDENT HEALTH SERVICE. Every student on joining the Med. Sch. is given a thorough med. examn. and a check is kept on students' health throughout their period of training. Weekly clinics are also held for students who wish to have med. advice.

PUBLICATIONS. *Prospectus*, once a year; St. Thomas's Hospital *Gazette*, 6 times a yr.; *The History of St. Thomas's Hospital*, by F. G. Parsons, 1932, in 3 vols., Methuen (o.p.); *The Story of St. Thomas's 1106–1947*, by Charles Graves, Faber & Faber, 1947, 8s. 6d.

THE YEAR 1952–53

STUDENT NUMBERS.

	Full-Time	*Part-Time* *
Men	426	40
Women	58	1
Total	484	41

* All postgraduates attending F.R.C.S. course.

New admissions (full-time), 94 (81 men ; 13 women).

Students (full-time) from other countries, 26. (Countries from which largest numbers came : British W. Indies, 8 ; British E. Africa, 7 ; Southern Rhodesia, 3.)

DEGREES. M.B., B.S. Lond., 56 ; M.B., B.Chir. Camb., 28 ; B.M., B.Ch. Oxon. 8 ; M.D. Lond., 5 ; Ph.D. Lond., 3 ; M.D. Camb., 7 ; D.M. Oxon., 1 ; M.Chir. Camb., 1 ; B.Sc. (Hons. Anat.), 3. *Total number of first degrees awarded*, 95.

DIPLOMAS. D.P.H. Lond., 1 ; Dip. Bacteriol. Lond., 1 ; M.R.C.P., 10 ; F.R.C.S., 23 ; F.F.R., 2 ; D.R.C.O.G., 11 ; Conjoint : D.T.M. & H., 2 ; D.C.H., 1 ; D.L.O., 1 ; L.R.C.P., M.R.C.S., 17.

[*Information compiled as at* 16/6/54 ; *Staff list revised on* 11/10/54.]

UNIVERSITY COLLEGE HOSPITAL MEDICAL SCHOOL

Founded 1828

Postal Address : University Street, London, W.C.1, England.
Telephone : Euston 5861.

CHAIRMAN OF THE SCHOOL COUNCIL—Sir CHARLES HARINGTON, D.Sc , Ph.D., F.R.S.

DEAN—J. D. S. FLEW, M.D., F.R.C.O.G.

VICE-DEAN—S. J. COWELL, M.A., M.B., B.Chir. Camb., F.R.C.P.

VICE-DEAN FOR DENTAL STUDENTS — ALAN SHEFFORD, O.B.E., F.D.S.R.C.S.

SECRETARY—Major-General H. L. BIRKS, C.B., D.S.O.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Dawkins, C. J. Massey, M.A., M.D. Lectr.

Bacteriology

Smith, W., M.D., F.R.S. Prof.

Chemical Pathology

Rimington, C., Ph.D , D.Sc., F.R.S. Prof.

Work, Mrs. Constance, D.Sc. Reader.

Clinical Pathology

Maizels, M., M.D., F.R.C.P. Prof.

Dermatology

Goldsmith, W. N., M.A., M.D., F.R.C.P. Lectr.

Forensic Medicine

Purchase, W. Bentley, M.C., M.A., M.B. Camb., D.P.H. Lectr.

Medicine

Cowell, S. J., M.A., M.B., B.Chir. Camb., F.R.C.P. (Dietetics) Prof.

Dent, C. E., M.D., Ph.D., F.R.C.P. Reader.

Harris, K. E., M.A., M.D., F.R.C.P. Lectr.

Hawksley, J. C., C.B.E., M.D., Ph.D., F.R.C.P. Lectr.

Morland, A., M.D., F.R.C.P. Lectr.

Pochin, E. E., M.A., M.D., F.R.C.P. Lectr.

Pritchard, E. A. B., M.D., F.R.C.P. Lectr.

Rosenheim, M. L., M.A., M.D., F.R.C.P. Prof.

Stokes, J. F., M.D., F.R.C.P. Lectr.

Mental Diseases

.....

Morbid Anatomy

Cameron, G. R., M.B., B.S. Melb., D.Sc., F.R.C.P., F.R.S. Prof.

Obstetrics and Gynæcology

Flew, J. D. S., M.D., F.R.C.O.G. Lectr.

Nixon, W. C. W., M.D., F.R.C.S., F.R.C.O.G. Prof.

White, N. L., F.R.C.S., F.R.C.O.G. Lectr.

Ophthalmology

Lecturer

Shapland, C. D., F.R.C.S.

Oto-Rhino-Laryngology

Lecturers

Formby, M. L., F.R.C.S.
Wadge, Joan, B.S., F.R.C.S.
Hallpike, C. S., F.R.C.S., F.R.C.P.

Pædiatrics

Schlesinger, B. E., O.B.E., M.A., M.D. Camb., F.R.C.P. Lectr.

Pharmacy

Whittet, T. D., B.Sc.

Physical Medicine

Burt, H. A., M.B., B.Chir. Camb. Lectr.

Radiology

Shanks, S. Cochrane, M.D., F.R.C P., F.F.R. Lectr.

Radiotherapy

Hilton, Mrs. Gwen, B.Sc., M.B., B.S., D.M.R.E., F.F.R. Lectr.

Surgery

Lecturers

Davies, D. R., F.R.C.S.
Dudley-Buxton, J. L., F.D.S.R.C.S. (Dental Surgery).
Flemming, C. W., O.B.E., M.Ch. Oxon., F.R.C.S.
Gardham, A. J., M.S., F.R.C.S.
Matthews, D. N., O.B.E., M.Chir. Camb., F.R.C.S.
Nightingale, Doreen, M.S., F.R.C.S.
Pilcher, R. S., M.S., F.R.C.S. Prof.
Taylor, J., C.B.E., M.S., F.R.C.S.
Wolfe, H. R. I., M.S., F.R.C.S.

Venereal Diseases

Thomas, E. G., O.B.E., M.D. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Assistant Secretary: G. C. Woodward. Accountant: A. Morriss.

GENERAL INFORMATION

The history of University College Hospital Medical School is closely bound up with the history of Univ. Coll. From the time of the opening of the Coll. in Oct. 1828, until its incorporation in the Univ. of London in 1907, the Fac. of Medicine was governed by the Corporation and Council of Univ. Coll.

Pursuant to Section 15 of the National Health Service Act, 1946, the School now has its own Charter of Incorporation and has become a Body corporate, having a perpetual succession and a common seal.

The present Medical School bldgs. were erected in 1907 as the result of funds subscribed by Sir Donald Currie, and the School was admitted as a School of the Univ. in the Fac. of Medicine on Jan. 1, 1907.

The preliminary and intermediate medical studies are held at Univ. Coll.

LIBRARY AND MUSEUM. The General Library contains about 30,000 books, including text-books, books of reference and sets of medical periodicals. The Graham Library is a separate collection of books and periodicals, and contains complete sets of British, American, French and German journals of interest to the workers in many branches of Medicine. The Ratcliffe Crocker Library, which consists of a collection of Dermatological volumes, is housed in the Royal Society of Medicine Library, 1 Wimpole Street, London, W.1. The Museum of Pathol. Anat. (Curator: Prof. G. R. Cameron) contains a collection of Medical, Surgical, Obstetrical and Gynæcol. specimens. Microscopic sections of most of the specimens are available for the use of students.

ADMISSION. *See* p. 211 and App. I.

FEES. For the complete Clinical Course, £180.

SCHOLARSHIPS. Two Goldsmid Entrance Scholps. entitling the holder to the Final Course of Medical Study; one Goldsmid Entrance Exhibition entitling the holder to a reduction by £126 of the fees due for the full Course of Final Medical Study; one Filliter Entrance Scholp. in Pathol., entitling the holder to a reduction of £123 of the fees for the full Course of Final Medical Study. In addition scholps. and prizes are available to the approx. annual value of £3000.

RESIDENCE. Adjoining the Medical School is a specially equipped hostel solely for students in the School.

PUBLICATION. *Prospectus* (annual).

THE YEAR 1952–53

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	267	52
Women	48	6
Total	315	58

Postgraduate students, 59.
New admissions, 83.

DEGREES OBTAINED. M.B., B.S. Lond., 57; M.D. Lond., 12; M.D. Camb., 3; M.B., B.Chir. Camb., 11; B.M., B.Ch. Oxon., 15; Ph.D. Lond., 1; M.S. Lond., 2; D.M. Oxon., 2.

UNIVERSITY COLLEGE HOSPITAL DENTAL SCHOOL

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics
Hudson, M. W. P., M.B., B.S.

Anatomy
Young, J. Z., M.A. Oxon., F.R.S. Prof.

Bacteriology
Smith, W., M.D., F.R.S. **Prof.**

Dental Surgery
Dudley-Buxton, J. L., F.D.S.R.C.S.
Everett, A. E.
Green, C. de V., D.D.S. Tor., F.D.S.R.C.S.
Ince-Jones, A. K., F.D.S.R.C.S.
Schofield, J., F.D.S.R.C.S.
Shefford, A. D. E., O.B.E., F.D.S.R.C.S.
Wright, J., A.F.C., F.D.S.R.C.S.

Medicine
Stokes, J. F., M.D., F.R.C.P.

Orthodontics
Grossmann, W.

Pathology
Cameron, G. R., M.B., B.S. Melb., D.Sc., F.R.C.P., F.R.S. **Prof.**

Surgery
Matthews, D. N., O.B.E., M.D., M.Chir. Camb., F.R.C.S.

ADMINISTRATIVE AND OTHER STAFF

Assistant Secretary: G. C. Woodward. Accountant: A. Morriss.

GENERAL INFORMATION

The National Dental Hospl. was amalgamated with Univ. Coll. Hospl. in 1914, and the Dental School was recognized by the Univ. of London. The School carries out courses of study for the degree of B.D.S. London, and is open equally to men and women. Students are not eligible to commence until they have passed the 1st M.B. London.

FEES. £70 p.a., inclusive, to cover the four years' curriculum.

THE YEAR 1952–53

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	59	2
Women	11	..
Total	70	2

New admissions, 23.

DEGREES. B.D.S. Lond., 7.

DIPLOMAS. L.D.S.R.C.S. Eng., 14.

Students (full-time) from other countries, 17. (Countries from which largest numbers came: S. Africa, 3; British Guiana, 2; Iraq, 2; Nigeria, 2; U.S.A., 2.)

[*Information compiled as at* 10/6/54 ; *Staff list revised on* 11/10/54.]

WESTMINSTER MEDICAL SCHOOL

Founded 1834

Postal Address : Horseferry Rd., Westminster, London, S.W.1, England.
Telephone : Victoria 6041-2.

CHAIRMAN—H. M. CLOWES, D.S.O.
DEAN—H. E. HARDING, F.R.C.S.
SUB-DEAN—F. D. HART, M.D. Edin , F.R C.P.
SECRETARY—W. R. MOULE, M.A. Camb.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics
Organe, G. S. W., M.D. Camb., F.F.A.R.C.S.
Jarman, R., D.Sc.

Bacteriology
Lacey, B. W., M.D., B.Sc. Reader.

Chemical Pathology
Maclagan, N. F., M.D., D.Sc., F.R.C.P., F.R.I.C. Prof.
Wilkinson, J. H., B.Sc., Ph.D., F.R.I.C. Reader.

Clinical Pathology
Pulvertaft, R. J. V., O.B.E., M.D. Camb., F.R.C.P. Prof.
Lumb, G. D., M.D. Reader.
O'Connor, R. J., M.D. Adel., D.T.M. Sr. Lectr.

Dental Surgery
Taylor, R. S., O.B.E., T.D., F.D.S.
Steadman, B.St. J., T.D., B.D.S.

Dermatology
Franklin, J. L., M.A., B.Chir., M.D. Camb.

Ear, Nose and Throat Surgery
Ashcroft, D. W., M.B., Ch.B. N.Z., F.R.C.S.

Hæmatology
Humble, J. G. Sr. Lectr.

Medicine
Lloyd, W. E., M.D., F.R.C.P.
Meadows, S. P., B.Sc., M.D., F.R.C.P.
Gavey, C. J., M.D., B.S., F.R.C.P.
Hart, F. D., M.D. Edin., F.R.C.P. Reader.

Morbid Anatomy
Morgan, A. D., M.B., Ch.B. Aberd. Reader.

Obstetrics and Gynæcology
Bell, A. C. H., M.B., B.S., F.R.C.S., F.R.C.O.G.
Evans, A. B., F.R.C.S., F.R.C.O.G.

Ophthalmology
King, E. F., F.R.C.S.
Trevor-Roper, P. D., F.R.C.S.

Orthopædics
Brockman, E. P., B.A., M.Chir. Camb., F.R.C.S.
Harding, H. E., F.R.C.S.

Paediatrics
Anderson, I. M., M.D. Glas.
Levi, D., M.S., F.R.C.S.

Psychiatry

Garmany, G., M.B., Ch.B. Manc., D.P.M.

Radiology

Kerley, P. J., C.B.E., M D. N.U.I., D.M.R.E., F.R.C.P.

Surgery

Cade, Sir Stanford, K.B.E., C.B., F.R.C.S.

Price Thomas, Sir Clement, K.C.V.O., F.R.C.S.

Lee, E. S., M.S., F.R.C.S.

Macnab, G. H., M.B., Ch.B. Edin., F.R.C.S.

d'Abreu, F. A., Ch.M. Birm., F.R.C.S.

Abel, A. L., M.S., F.R.C.S.

Raven, R. W., O.B.E., F.R.C.S.

Aylett, S. O., M.B.E., F.R.C.S.

ADMINISTRATIVE AND OTHER STAFF

CHAPLAIN. Canon C. Hildyard.

SUPERVISOR OF STUDENTS' HEALTH SERVICE. R. D. Tonkin, M.D.

MANAGERESS OF STUDENTS' HOSTEL. Mrs. Kathleen M. Cordes.

GENERAL INFORMATION

HISTORY. Westminster Hospital was instituted in the year 1719, and incorporated by Act of Parliament in 1836. A Medical School has existed in Westminster since 1834, but was not brought into formal connexion with the Hospital until 1849. The new and enlarged School was completed in May 1939 in order to meet the demands of the latest developments in medical education.

CONSTITUTION. Westminster Medical School is a school of the University of London. Its government is vested in the governing body of the School called the Council.

ADMISSION. *See* p. 211 and App. I.

FEES. Entrance fee, 5 gs.; annual tuition fee, £66 (including membership of the Students' Union).

SCHOLARSHIPS. Four Scholps., each of the value of £40 p.a. for 3 yrs., are awarded on the result of an examn. held in May of each yr. in First-Year subjects. 4 Scholps. of similar value are also awarded annually as the result of examns. in Anat. and Physiol. held in April and Sept. The winners of these Scholps. are eligible to apply to the Ministry of Education for a supplemental award, which is assessed in accordance with financial circumstances. The David de Souza Scholp. of the value of £40 p.a. is awarded on the results of an examn. in Applied Physiol. held in March; the award is for 4 terms, for the special B.Sc. course in Physiol. after pre-clinical studies.

LIBRARY. The Library contains 4600 books and subscribes yearly to 99 journals and periodicals. There are 505 bound volumes of periodicals.

MUSEUM. The museum is specially designed to give a complete survey of modern medical science and contains over 3000 pathological specimens, of which 600 have been added in the last 4 yrs. The remainder have been remounted and the diagnosis and nomenclature adapted to modern concepts of disease.

TEACHING HOSPITALS. Students receive their clinical training in the hospitals of the Westminster Hospital Teaching Group, which consists of

Westminster Hospital, the Westminster Children's Hospital, the Gordon Hospital and All Saints' Hospital.

STUDENTS' RESIDENCE. There is a hostel for men students at Brabazon House, 5 Moreton Street, S.W.1, providing accomm. for some 70 students. Fees, £3 : 7s. 6d. per week for a single room and £2 : 17s. 6d. per week for a cubicle, with morning, evening and week-end meals.

STUDENTS' HEALTH SERVICE. There is a Students' Health Service and all students are seen on admission by the physician in charge.

ATHLETIC FACILITIES. The School's Sports Ground is at Cobham, Surrey. There are pitches for Rugby Union football, Association football, hockey and cricket.

STUDENTS' UNION. The Students' Union includes clubs covering the following activities: Rugby Union football, Association football, athletics, boating, cricket, lawn tennis, hockey, golf, fencing, squash racquets, badminton and sailing. The Refectory Committee, responsible to the Students' Union, is in charge of the School Refectory. The Union subscription is included in the annual tuition fee.

PUBLICATIONS. *Prospectus*, annual. *The Broad Way* (students), four times a year.

THE YEAR 1952–53

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	202	30
Women	21	..
Total	223	30

Postgraduate students, 39.
First-year admissions, 53.
Students (full-time) from other countries, 8.

DEGREES. M.D. Lond., 5; M.B., B.S. Lond., 31; M.B., B.Chir. Camb., 14; B.M., B.Ch. Oxon., 2. *Total number of first degrees awarded*, 47.

POSTGRADUATE MEDICAL SCHOOLS

[*Information compiled as at* 11/6/53 ; *Staff list revised on* 11/10/54.]

BRITISH POSTGRADUATE MEDICAL FEDERATION

Founded 1945

Postal Address of Central Office : 2 Gordon Square, London, W.C.1, England.
Telegraphic Address : Britgramed, London.
Telephone : Museum 6616.

CHAIRMAN OF GOVERNING BODY—The Rt. Hon. VISCOUNT WAVERLEY, G.C B., G.C.S.I., G.C.I.E., M.A., D Sc., LL.D., F.R.S.

DIRECTOR—Professor Sir FRANCIS R. FRASER, M.A. Camb., M.D., LL.D. Edin., F.R.C.P.

APPOINTED AND RECOGNIZED TEACHERS

Note. In the following list the names of the Institutes are indicated by letters thus :

Institute of Cancer Research (CR.).
Institute of Child Health (CH.).
Institute of Dental Surgery (DS.).
Institute of Laryngology and Otology (LO.).
Institute of Neurology (N.).
Institute of Obstetrics and Gynæcology (OG.).
Institute of Ophthalmology (Op.).
Institute of Orthopædics (Orth.).
Postgraduate Medical School of London (PM.).
Institute of Psychiatry (Psy.).

Anæsthetics

Goldman, V., F.F.A.R.C.S. Lectr. (DS.).

Biochemistry

Boyland, E., D.Sc. Manc., Ph.D. Prof. (CR.).
Klyne, W., M.A. Oxon., Ph.D. Edin. Reader (PM.).
McIlwain, H., D.Sc, Ph.D. Durh. Reader (Psy.).

Biophysics

Hill, D. K., M.A. Camb. Sr. Lectr. (PM.).

Chemistry

Bergel, F., D.Phil. Freiburg, Ph.D., D.Sc. Prof. (CR.).
Butler, J. A. V., D.Sc. Prof. (CR.).
Ross, W. C. J., D.Sc., Ph.D. Reader (CR.).
Roe, Edna M. F., B.Sc., Ph.D. Lectr. (CR.).

Children's Diseases

Moncrieff, A. A., C.B.E., M.D., F.R.C.P. Prof. (CH.).
Tizard, J. P. M., M.A., B.M., B.Ch. Oxon. Reader (CH.).

Lecturers

Dobbs, R. H., M.D. Camb. (CH.).
Evans, P. R., M.D., M.Sc. Manc., F.R.C.P. (CH.).
Franklin, A. W., M.A., M.B., B.Chir. Camb., F.R.C.P. (OG.).
Lightwood, R., M.D., F.R.C.P. (CH.).

Newns, G. H., M.D., B.S., F.R.C.P. (CH.).
Schlesinger, B. E., O.B.E., M.A., M.D. Camb., F.R.C.P. (CH.).
Sheldon, W. P. H., M.D., F.R.C.P. (CH.).
Wilmers, Mary J., M.D. (CH.).

Cytogenetics

Koller, P. C., B.Sc, Ph D. Bud., D.Sc. Edin. Prof. (CR.).

Dental Surgery

Wilkinson, F. C., M.D., B.D.S. Liv., D.D Sc. Melb., M.Sc. Manc., F.D.S.R.C.S. Prof. (DS).

Senior Lecturers (DS.)

Ballard, C. F., F.D.S.R.C.S.
Cross, W. G., M.B., M.S., B.D.S.
Kramer, I. R. H.
Morrant, G. A., D.D.S.
Parfitt, G. J., F.D.S.R.C.S.

Dermatology

Brain, R. T., M.D., F.R.C.P Lectr. (CH.).

Hygiene and Public Health

Roberts, J. A. F., M.A. Camb., M.D. Edin., F.R.C.P. Lectr. (CH.).

Medicine

McMichael, J., M.D. Edin, F.R.C.P. Prof. (PM.).
Fraser, T. R., M.D. N.Z., D.P.M, F.R.C.P. Reader (PM.).

Lecturers

Barnes, C. G., M.D., B.S., F.R.C.P. (OG.).
Behrman, S., B.Sc. (Op.).
Bishop, P. M. F., B.A., D.M. Oxon. (OG.).
Brain, Sir Russell, M.A., D.M., B.Ch. Oxon., P.R.C.P. (N.).
Brinton, D. H., D.M., B.Ch. Oxon., F.R.C.P. (N.).
Bywaters, E. G. L., M.B., B.S., F.R.C.P. Sr. Lectr. (PM).
Cope, C. L., B.M., B.Ch. Oxon., F.R.C.P. Sr. Lectr. (PM.).
Critchley, M., M.D. Brist., F.R.C.P. (N.).
Dimsdale, Helen E., M.A., M.D. Camb., F.R.C.P. (N.).
Elliott, F. A., M.B., Ch.B. Cape T., F.R.C.P. (Op.).
Gavey, C. J., M.D., F.R.C.P. (Op.).
Goodwin, J. F., M.D., B.S. (PM.).
Henson, R. A., M.D., B.S. (N.).
McAlpine, D., M.D., Ch.B. Glas., F.R.C.P. (N.).
Meadows, S. P., B.Sc. Liv., M.D., F.R.C.P. (Op.).
Nassim, J. R., M.A., B.M., B.Ch. Oxon., F.R.C.P. (Orth.).
Scadding, J. G., M.D., F.R.C.P. Sr. Lectr. (PM.).
Sherlock, Sheila P. V., M.D., Ch.B. Edin., F.R.C.P. (PM.).
Symonds, Sir Charles P., K.B.E., C.B., M.D., F.R.C.P. (N.).
Williams, D., D.Sc., M.D. Manc., F.R.C.P. (N.).

Mental Diseases

Lewis, A. J., M.D Adel., F.R.C.P. Prof. (Psy.).
Stengel, E., M D. Vienna Reader (Psy.).

Lecturers (Psy.)

Bennett, E. A., M.A., Sc.D., M.D., Ch.B. Dub., D.P.M.
Blacker, C. P., M.A., F.R.C.P.
Cameron, K., M.B., Ch.B. Edin.
Davies, D. L., M.A., D.M., B.Ch. Oxon., D.P.M.
Gillespie, W. H., M.D. Edin. Sr. Lectr.
Harris, A., M.A., M.D., Ch.B., D.P.M.
Hill, J. D. N., M.B., B.S., D.P.M., F.R.C.P.
Leigh, A. D., M.B., Ch.B., M.D. Manc. Sr. Lectr.
Miller, E., D.P.M., F.R.C.P.
Pond, D. A., M.A., M.D., B.Chir. Camb. Sr. Lectr.

Post, F., M.B., B.S., D.P.M.
Scott, P. D., M.A., M.D., B.Chir. Camb. Sr. Lectr.
Scott, W. C. M., B.Sc., M.D. Tor.
Slater, E. T. O., M.A., M.D. Camb. D.P.M., F.R.C.P.
Taylor, F. K., M.D. Prague, D.P.M. Sr. Lectr.
Warren, W., M.D., B.Chir. Camb., D.P.M.

Obstetrics and Gynæcology

Browne, J. C. McC , B.Sc., M.B., B.S., F.R.C.O.G , F.R.C.S.Ed. Prof. (OG.).
..... Reader (OG.).

Lecturers (OG.)

Arthure, H. G. E., M.D., F.R.C.S., F.R.C.O.G.
Bell, A. C. H., M.B., B.S., F.R.C.S., F.R.C.O.G.
Blaikley, J. B., M.B., B.S., F.R.C.S., F.R.C.O.G.
Clayton, S. G., M.D., M.S., F.R.C.S.
Cook, F., B.Sc., M.B., B.S., F.R.C.S., F.R.C.O.G.
Evans, A. B., M.B., B.Chir. Camb., F.R.C.S., F.R.C.O.G.
Fleming, Amy, M.D. Glas., F.R.C.O.G.
Flew, J. D. S., M.D.
Gibberd, G. F., M.S., F.R.C.S., F.R C.O.G.
Goodwin, A., O.B.E., M.D., F.R.C.S.
Green-Armytage, V., M.D., F.R.C.O.G.
Jackson, I., M.B., B.Chir. Camb., F.R.C.S.
Murdoch, J. D., M.B., Ch.B. N.Z., F.R.C.S.Ed. Sr. Lectr.
Read, C. D , M.B., Ch.B. N Z., F. R. C. S. Eng. and Ed , F.R.C.O.G.
Rickford, R. B. K., B.S., M.D.
.....
Winterton, W. R., M.A., M.B., B.Chir. Camb., F.R.C.S.

Ophthalmology

Perkins, E. S., M.B., B.S., F.R.C.S. Reader (Op.).

Lecturers (Op.)

Cardell, J. D., M.B., B.S., F.R.C.S.
Cross, A. G., M.D., F.R.C.S.
Davenport, R. C., M.B., B.S., F.R.C.S.
Doggart, J. H., M.A., M.D. Camb., F.R.C.S.
Duke-Elder, Sir S., K.C.V.O., M.A., M.D., D.Sc. St. And., Ph.D., F.R.C.S.
Gimblett, C. L., M.D., F.R.C.S.
Goldsmith, A. J. B., M.B., B.S., F.R.C.S.
King, E. F., M.B., Ch.B. Brist., D.O.M.S., F.R.C.S.
Law, F. W., M.A., M.D. Camb., F.R.C.S.
Leigh, A. G., M.D., F.R.C.S.
Lister, A., M.B., B.Chir. Camb., F.R.C.S.
Lyle, T. K., M.D., M.Chir. Camb., F.R.C.S.
Milner, J. G., M.B., B.Chir. Camb., F.R.C.S.
Moffatt, P. McG., M.D., D.O.M.S., D.P.H., F.R.C.S.
Penman, G. G., M.D., F.R.C.S.
Philps, A. S., F.R.C.S.
Ridley, F. T , B.Sc., M.B., B.S., F.R.C.S.
Ridley, N. H. L., M.D., F.R.C.S.
Shapland, C. D., M.B., B.S., F.R.C.S.
Stallard, H. B., M.D.

Orthopaedics

Lecturers (Orth.)

Burrows, H. J., M.A., M.D., B.Chir. Camb., F. R. C. S., F.R.A.C.S.
Cholmeley, J. A., M.B., B.S., F.R.C.S.
.....
Nissen, K. I., B.Sc., M.B., Ch.B. N.Z., M.D., F.R.C.S.

Newman, P. H., F.R.C.S.
Seddon, H. J., M.A., D.M. Oxon., M.B., B.S., F.R.C.S. Dir.
Trevor, D., M.B., M.S., F.R.C.S.

Oto-Rhino-Laryngology

Ormerod, F. C., M.D., Ch.B. Manc., F.R.C.S. Prof. (LO.).

Lecturers

Asherson, N., M.B., B.S., F.R.C.S. (LO.)
Cawthorne, T., F.R.C.S. (N.).
Ellis, M. P., M.D., M.S., F.R.C.S. (LO.).
Gill-Carey, C., F.R.C.S. (LO.).
Hallpike, C. S., M.B., B.S., F.R.C.S., F.R.C.P. (N.).
Hogg, J. C., M.B., B.Chir. Camb., F.R.C.S. (LO.).
Howells, G. H., M.B., B.S., F.R.C.S. (LO.).
McKenzie, W. S., B.A., M.B., B.Chir. Camb., F.R.C.S. (LO.).
Radcliffe, A., B.A., M.B., Ch.B. Dub., D.L.O., F.R.C.S. (LO.).

Pathology and Bacteriology

Dible, J. H., M.B., Ch.B., LL.D. Glas., F.R.C.P. (Pathol.) Prof. (PM.).
Haddow, A., M.D., D.Sc., Ph.D. Edin. (Exper. Pathol.) Prof. (CR.).
King, E. J., M.A. McM., Ph.D. Tor. (Chem. Pathol.) Prof. (PM.).
Meyer, A., M.D. Bonn (Neuropathol.) Prof. (Psy.).
Stamp, Lord, M.A., M.B., B.Chir. Camb. (Bacteriol.) Prof. (PM.).
Ashton, N. H. (Pathol.) Reader (Op.).
Dacie, J. V., M.B., B.S. (Haematol.) Reader (PM.).
Friedmann, I., M.D. Prague, D.C.P. (Bacteriol.) Reader (LO.).
Harrison, C. V., M.D., B.Sc. Wales (Morbid Anat.) Reader (PM.).
Horning, E S, M.A. Oxon., D Sc. Melb. (Exper. Pathol.) Reader (CR.).
Blackwood, W., M.B., Ch.B., F.R.C.S.Ed. Lectr. (N.).
Bodian, M., M.D. Vienna, D.C.P. Lectr. (CH.).
Cathie, I. A. B., M.D., B.S. Lectr. (CH.).
Doniach, I., M.D. Sr. Lectr. (PM.)
Haines, R. M., M.D. Lectr. (OG.).
Hayes, W., M.B, B.Ch, D.Sc. Dub., F.R.C.P.I. Sr. Lectr. (PM.).
Lennox, B., M.D., B.S. Durh. Lectr. (PM.).
Mitchison, D. A., B.A., M.B., B.Chir. Camb. Lectr. (PM.).
Murray, J., M.D., B.Chir. Camb. Lectr. (OG.).
Payne, W. W., M.B., B.S., F.R.C.P. Lectr. (CH.).
Sissons, H. A., M.B., B.S. Melb. Lectr. (Orth.).
White, J. C., M.B., Ch.B. Birm. Lectr. (PM.)

Physics

Mayneord, W. V., D.Sc. Birm., F.I.P. Prof. (CR.).
Lamerton, L. F., M.Sc., Ph.D., F.I.P. Reader (CR.).
Clark, L. H. S., Ph.D. Lectr. (PM.).

Physiology

Harris, G. W., M.A., M.D., Sc.D. Camb., F.R.S. Prof. (Psy.).
Thomson, L. C., M.B., B.S., Ph.D. Lectr. (Op.).

Psychology

Eysenck, H. J., B.A., Ph.D. Reader (Psy.).
Shapiro, M. B., M.A. Rhodes Sr. Lectr. (Psy.).

Radiology

Smithers, D. W., M.D. Camb., D.M.R. Prof. (CR.).
Bull, J. W. D., M.A., M.D., F.R.C.P., D.M.R. Lectr. (N.).

Golding, F. C., D.M.R.E., F.R.C.P. Lectr. (Orth.).
Lederman, M., M.B., B.S., D.M.R.E., F.F.R. Lectr. (CR.).
White, J. D., O.B.E., M.B., Ch.B. Edin., D.M.R.E. Sr. Lectr. (PM.).
Williams, E. R , M.D., D.M.R.E., F.R.C.P., F.F.R. Lectr. (OG.).

Surgery

Aird, I., M.B., Ch.B. Edin., F.R.C.S.Ed. Prof. (PM.).
Donald, C., O.B.E., M.D., Ch.M. Aberd., F.R.C.S. Lectr. (CH).
Ewing, M. R., M.B., Ch.B. Edin., F.R.C.S.Ed. Sr. Lectr. (PM.)
Franklin, R. H., M.B., B.S., F.R.C.S. Sr. Lectr. (PM.).
Gray, C., B.Sc., M.B., Ch.B. Manc., F.R.C S. Sr. Lectr. (PM.).
Heanley, C. L., M.A., M.B., F.R.C.S. Lectr. (LO.).
Jackson, H., F.R.C.S. Lectr. (N.).
Knight, G. C., M.B., B.S., F.R.C.S. Sr. Lectr. (PM.).
Logue, V., M.B., B.S., F.R.C.S. Lectr. (Orth.).
Matthews, D. N., O.B.E., M.A., M.D., M.Chir. Camb., F.R.C.S. Lectr. (Orth.).
Macnab, G. H., M.B., Ch.B. Edin., F.R.C.S. Lectr. (CH.).
McKissock, W., M.B., M.S., F.R.C S. Lectr. (N.).
Shackman, R., M.B., B.S., F.R.C.S. Sr. Lectr. (PM.).
Taylor, S. F., M.A., B.M., M.Ch. Oxon., F.R.C.S. Lectr. (PM.).

ADMINISTRATIVE AND OTHER STAFF

STAFF OF CENTRAL OFFICE. Asst. Director : C. F. Hamilton-Turner, M.A., D.M., B.Ch. Oxon. Secretary of Central Office : A. Yvonne Champtaloup, M.B.E., B.A. N.Z. Accountant : H. Leslie Smith. Regional Advisers in Postgrad. Med. Educn. to Metropolitan Hosp. Regions : N.E. Region : D. F. Ellison Nash, F.R.C.S. ; S.E. Region : H. G. McGregor, M.D. ; N.W. and S.W. Region : D. C. Bowie, O.B.E., M.B., Ch.B. Glas., F.R.C.S.Ed.

GENERAL INFORMATION

The Federation was established by the Senate in 1945 for the further development of postgraduate medical education in London. It was incorporated by Royal Charter in March 1947, and admitted as a School of the Univ. in Dec. 1947. The purpose of the Federation is to provide organized and correlated facilities for postgraduate teaching and research for qualified medical practitioners from the U.K., the Dominions, Colonies and abroad, and to co-operate with Univs., Medical Schools, the Royal Colls. and other bodies in their provisions for postgraduate medical education. The Federation provides : (i) Training for prospective specialists, supplementing the work of the undergraduate medical schools. (ii) Advanced revision for practising specialists. (iii) Instruction for medical practitioners who, though not specialists, desire more detailed knowledge of any branch of medicine. (iv) Continuing education of general practitioners.

The Federation comprises at present : *Federated Institutes*—Postgrad. Med. Sch. of Lond. ; Inst. of Cancer Res. : Royal Cancer Hosp. ; Inst. of Cardiol. ; Inst. of Child Health ; Inst. of Dental Surg. ; Inst. of Laryngol. and Otol. ; Inst. of Neurol. (Queen Square) ; Inst. of Obstet. and Gynæcol. ; Inst. of Ophthalmol. ; Inst. of Orthopæd. ; Inst. of Psychiatry. *Associated Institutes* —Inst. of Basic Med. Sci. ; Inst. of Dermatol. ; Inst. of Dis. of the Chest ; Inst.

of Urol. These are in various stages of development and expansion with a view to recognition in due course.

Postgraduate education at the Institutes and the hospls. associated with them includes full-time and pt.-time courses of advanced instruction, clinical clerkships, junior and senior resident hospl. appts. and opportunities for research. Provision is made for candidates for the M.D., M.S., M.D.S. and Ph.D. degrees, and courses are held for the academic postgrad. dipls. in Clin. Pathol. and Psychol. Med. of the Univ.

The Federation organizes short courses for general practitioners at hospitals in the four London Metropolitan Regions ; these include a number of courses consisting of half-day sessions, at undergraduate and postgraduate teaching hospitals. The administration of the Federation is carried out by the Central Office, which maintains a bureau of information on postgraduate medical education in the U.K., and arranges annually a series of lectures on " The Scientific Basis of Medicine ". These are designed for research workers and specialists in training, and are given by well-known experts from centres throughout the country.

The Federation awards a limited number of Travelling Fellowships annually to medically or dentally qualified men and women who are holding appts or are engaged in postgraduate study at undergraduate or postgraduate teaching hospls. or medical schools of the Univ. of London.

Following the institution of the National Health Service in July 1948, the Federation appointed to the staff of the Central Office a Regional Adviser for Postgraduate Medical Educn. in each of the four Metropolitan Regions to carry out the policy of the Univ. and the Federation in arranging postgraduate education for the practitioners, both specialist and general, in the Region. They are members of the administrative staff of the Central Office (*see* p. 373).

PUBLICATIONS. *Annual Report* and *Handbook* ; information leaflet concerning Federation ; table of postgraduate medical courses held at Universities in the U.K. ; programme of courses for general practitioners organized by Federation ; annual volume of lectures arranged by the Federation on " The Scientific Basis of Medicine " (Athlone Press).

THE YEAR 1952–53

LECTURE SERIES. During autumn and winter terms, the 4th series of lectures on " The Scientific Basis of Medicine," for res. workers and specialists in trg., given by experts in their subjects from centres throughout the country.

DEATH. P. H. Mitchiner, C.B., C.B.E., M.D., M.S., F.R.C.S., Adviser in Postgrad. Med. Educn. for S.W. Metropolitan Hosp. Region.

STUDENT NUMBERS are shown below for each Inst. The majority of postgrads. of the Fed. stay only 1 or 2 terms of the session at an Inst. and very few remain over from one yr. to another. There are no undergrad. students in the Fed. The numbers of full-time students given below for each Inst. are those who have attended full-time for 1 term or more of the yr. Pt.-time includes those who have attended for less than 1 term, whether full-time or pt.-time, and those who have attended pt.-time for any period of the yr., including occasional lectures, etc. Most of the pt.-time students spend the rest of their time at other hosps. in London, or in reading for examns.

Students (full-time) from other countries, 881. (Countries from which largest numbers came : India, 189 ; Australia, 159 ; South Africa, 129 ; New Zealand, 94 ; Canada, 69 ; Ceylon, 61 ; Pakistan, 41 ; Egypt, 31 ; U.S.A., 29.)

INSTITUTES OF THE FEDERATION

(*a*) POSTGRADUATE MEDICAL SCHOOL OF LONDON (Ducane Road, Shepherd's Bush, London, W.12. *Telegraphic Address*: Postgradmed Chisk, London. *Telephone*: Shepherd's Bush 1260.) *Dean*—Charles Newman, M.D., F.R.C.P.

Incorporated by Royal Charter 1931, reconstituted in 1946 as an Institute of the Federation for postgraduate instruction in medicine, surgery, pathol. and radiol. The School is associated with Hammersmith Hospl.—which contains, when fully opened, 710 beds. There are three ten-week terms in the year when organized teaching is arranged daily from 9 A.M. to 4 P.M.; hospl. practice, available during vacation. Fees: £25 per term. Facilities for research work provided under direction of Professors for suitable students. Course for Dipl. in Clin. Pathol. commences annually in Oct. There is a pathol. museum and a modern and well-equipped reference library for use of the students.

PUBLICATIONS: *Prospectus* and *Annual Report*.

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. Eli Lilly & Co., $3600 p.a. for 3 yrs. to provide Lectr. in Biochem. on Radio-isotope Res.; May & Baker Ltd., £1400 p.a. for work on ganglion-blocking agents; Medical Research Council, grants to various members of staff totalling £7120; Trustees of Smith's Charity, £1000 for investigation of bone metabolism with radio-gallium, etc.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Dr. C. Newman, Madrid; Prof. J. McMichael, U.S.A.; Prof. J. H. Dible, Wales; Dr. A. G. E. Pearse, Marburg and Tübingen; Prof. E. J. King, Malaya.

STUDENT NUMBERS. (*See also* "Student Numbers," p. 374.)

Full-Time	*Part-Time*	*Total*
338	102	440

(*b*) INSTITUTE OF BASIC MEDICAL SCIENCES (Royal College of Surgeons of England, Lincoln's Inn Fields, London, W.C.2. *Telephone*: Holborn 3474). *Dean*—Professor Sir James Paterson Ross, K.C.V.O., F.R.C.S.

The Inst., formed in 1951, comprises the teaching facilities of the Depts. of Anat., Physiol. and Pathol. of the Royal Coll. of Surgeons of England. It co-operates with other specialist Insts. of the Federation to provide facilities for practical work and instruction in basic medical scis., and there are opportunities for res. for selected graduates. Library, museum and limited residential accomm. available. Regular 3-months' revision courses commence in Apr. and Oct. suitable for candidates for higher medical degrees and dipls.; fee, £63 (Lectures only, £36 : 15s.). 2-months revision courses for dental surgeons commence in Jan. and July; fee, £31 : 10s.

THE YEAR 1952–53

STUDENT NUMBERS. (*See also* "Student Numbers," p. 374.)

Full-Time	*Part-Time*	*Total*
175	121	296

(*c*) INSTITUTE OF CANCER RESEARCH (Royal Cancer Hospital and Chester Beatty Research Institute, Fulham Road, London, S.W.3. *Telephone*: Flaxman 0081 and 1484). *Acting Dean*—Prof. Alexander Haddow, M.D., D.Sc., Ph.D. Edin.

The Inst., approved for recognition as a Federated Inst. of the Federation in 1951, comprises Chester Beatty Res. Inst. and Depts. of Phys. and Radiotherapy at the Royal Cancer Hosp. It is concerned with all aspects of res. into causation and treatment of cancer, with training of res. workers in this field, and with advanced teaching in biophys. and radiotherapy. Pt.-time lecture course in biophys., suitable for postgrads. studying for M.Sc. (fee, £12 : 12s.), commences in Oct. each yr. Facilities for those wishing to pursue res. in the clin. and pathol. aspects of cancer. Facilities also for res. into phys. and biol. foundations of med. radiol. There are labs. for chem., biochem. and histol. investigations into cancer and allied diseases, and a library.

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. Smith's Charity, £1000; late A. E. Peter, £2000; late Mrs. A. E. Webster, £1847; late Mrs. A. M. Warner, £2500.

NEW BUILDING. House in vicinity acquired for use as library, etc.

NEW POSTS. Chair of Phys. Chem.; Reader in Chem.; Reader in Phys. applied to Med.

(*d*) INSTITUTE OF CARDIOLOGY (35 Wimpole Street, London, W.1. *Telephone*: Welbeck 1896). *Dean*—G. W. Hayward, M.D., F.R.C.P.

The Institute, which is associated with the National Heart Hospital and was formed in 1946, has been approved for recognition as a Federated Institute of the Federation from April 1st, 1954. Training is provided by means of registrar appointments for physicians who intend to specialize in cardiol., and full-time instructn. for a period of 3 mos. for a limited number of selected postgrads. already trained in general med. Training includes clin. cardiol., electrocardiography and radiol. of the heart. The courses begin in May and Sept.; fee, £26 : 5s. A limited number of postgrads. are accepted for pt.-time instructn. of a similar type; fee, £12 : 12s. An intensive and a fortnight's course for general practitioners is held in June : fee, £10 : 10s. A special 2 weeks' course is held in Feb. and Nov.; fee, £12 : 12s. Library, museum and research facilities.

THE YEAR 1952–53

VISIT BY MEMBER OF STAFF FROM OTHER UNIVERSITY. Dr. S. J. Sarnoff (Harv.).

STUDENT NUMBERS. (*See also* " Student Numbers," p. 374.)

Full-Time	*Part-Time*	*Total*
29	140	169

(*e*) INSTITUTE OF CHILD HEALTH (Hospital for Sick Children, Great Ormond Street, London, W.C.1. *Telephone*: Holborn 2196). *Dean*—G. H. Newns, M.D., B.S., F.R.C.P.

Founded 1945, and associated with the Hospital for Sick Children, Queen Elizabeth Hospital for Children and Postgraduate Medical School at Hammer-

smith Hospital. Approved for recognition as Federated Inst. of the Federation from Oct. 1951. Main objects are (*a*) to promote the study of all aspects of disease and its prevention in childhood; (*b*) to provide instruction in clin. pædiatrics and prevention of disease in childhood and in the basic med., surg. and pathol. of children.

Tuition provided daily from 10 A.M. to 4 P.M. in 3 terms of 12 weeks each. Fees: 3 months, £21; 6 months, £36 : 15s. Courses of weekly lectures on special subjects are given during Autumn and Winter terms. Fee: £2 : 2s. for course of 10 lectures. Students' common room and library provided.

PUBLICATIONS. *Prospectus* and *Annual Report.*

THE YEAR 1952–53

VISITS OF MEMBER OF STAFF TO OTHER UNIVERSITIES. Prof. A. Moncrieff, U.S.A. and Canada.

STUDENT NUMBERS. (*See also* " Student Numbers," p. 374.)

Full-Time	*Part-Time*	*Total*
144	69	213

(*f*) INSTITUTE OF DENTAL SURGERY (Eastman Dental Hospital, Gray's Inn Road, London, W.C.2. *Telephone*: Terminus 8426). *Dean and Director of Studies*—F. C. Wilkinson, M.D., B.D.S. Liv., D.D.Sc. Melb., M.Sc. Manc., F.D.S.R.C.S.

The Inst. is associated with the Eastman Dental Hosp.; formed in 1948, and approved for recognition as a Federated Inst. of the Federation from Oct. 1951. In addition to training by means of full- and pt.-time appts. in the Inst. there are courses in Orthodontics (full- and pt.-time, up to 1 yr.) and in periodontia, conservative dent., prosthetics, minor oral surg. and children's dent. (variable length, full- and pt.-time). Full-time refresher courses of 2 weeks' duration arranged twice yearly for general practitioners. Courses also held in conjunction with Fac. of Dent. Surg. of Royal Coll. of Surgeons, particularly intended for candidates preparing for final examination for F.D.S.R.C.S. These commence in May and November (for approx. 8 months): fee, £50; in Apr. and Oct. there are 8-week intensive courses: fee, £31 : 10s. Res. and library facilities.

THE YEAR 1952–53

STUDENT NUMBERS. (*See also* " Student Numbers," p. 374.)

Full-Time	*Part-Time*	*Total*
71	182	253

(*g*) INSTITUTE OF DERMATOLOGY (St. John's Hospital for Diseases of the Skin, Lisle Street (Leicester Square), London, W.C.2. *Telephone*: Gerrard 8383). *Dean*—J. E. M. Wigley, M.B., B.S., F.R.C.P.

Institute formed 1946, associated with St. John's Hospital for Diseases of the Skin. Clin. teaching in Out-patient Dept. 5 days a week, ward instruction

at In-patient Dept. Fees for attending practice of Hosp. from £2 : 2s. for one week to £25 for one yr. Courses of lectures and pathol. demonstrations Oct. to March and May to June, incl. series of clin. demonstrations suitable for postgrads. studying for higher degrees or dipls. Facilities for tuition in practical histopathol. and in med. mycol., incl. special courses. Advanced students can apply for clin. assistantships which are competitive. Lab. and Museum facilities.

PUBLICATION. *Prospectus.*

THE YEAR 1952–53

NEW BUILDING. Animal House erected over the Teaching Lab.

NEW POST. Full-time Sr. Lectr. for clin. teaching, promotion of res. projects and personal res.

STUDENT NUMBERS. (*See also* " Student Numbers," p. 374.)

Full-Time	*Part-Time*	*Total*
9	112	121

(*h*) INSTITUTE OF DISEASES OF THE CHEST (Brompton Hospital, London, S.W.3. *Telephone* : Flaxman 3707). *Director of Studies and Dean*—J. G. Scadding, M.D., F.R.C.P.

The Institute, which was formed in 1946, is associated with the Hospitals for Diseases of the Chest (Brompton Hospital and the London Chest Hospital). Pt.-time courses of study in chest disease, including tuberculosis, are conducted for ten weeks, three times a year, starting in Jan., April and Oct. ; fee, £14. A whole-time programme, intended for those specializing in chest disease, consists of attendance at clinical work at the two hospitals, radiological and pathological demonstrations, discussions and formal lectures. The subject matter of chest disease is covered during the two terms beginning Oct. and Jan ; fee, £35 (£20 for one term only). The summer term is arranged to form a more selective revision course ; fee, £20. Facilities for pt.-time attendance are available for a larger number of graduates. Two Courses for chest clinic physicians, lasting one week each, are held each year, one at Brompton Hospital and one at the London Chest Hospital ; fee, £6. A whole-time course in chest surgery is conducted during the two terms beginning Oct. and Jan ; fee, £35 (£20 for one term only). Pt.-time instruction in radiology of the chest for trainee radiologists only is given each term ; fee, £10 : 10s. Library, museum and research facilities.

PUBLICATIONS. *Syllabus of Courses, Annual Report* and *Handbook.*

THE YEAR 1952–53

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITY. Dr. J. G. Scadding, Delhi.

STUDENT NUMBERS. (*See also* " Student Numbers," p. 374.)

Full-Time	*Part-Time*	*Total*
97	88	185

(*i*) INSTITUTE OF LARYNGOLOGY AND OTOLOGY (Royal National Throat, Nose and Ear Hospital, Gray's Inn Road, London, W.C.1. *Telephone*: Terminus 4311). *Dean*—C. Gill-Carey, F.R.C.S.

The Institute is associated with the Royal National Throat, Nose and Ear Hospital in Gray's Inn Road, London, W.C.1, and Golden Square, London, W.1, and was founded in 1945 for the training of specialists and the prosecution of research in oto-rhino-laryngology. It was approved for recognition as a Federated Institute of the Federation in Jan. 1949. In addition to the daily clinical teaching which goes on throughout the year, the theoretical aspects of the specialty and of the basic sciences on which it is founded are covered by a comprehensive course of lectures and demonstrations lasting 8 mos. and held twice annually, commencing Feb. and Sept. Composite fee, including enrolment as clinical assistant, attendance on hospital practice and at one of the comprehensive courses, varies from £52 : 10s. for 8 mos. to £66 : 8s. for a year. An advanced revision course lasting 10–12 weeks is held twice yearly, commencing Feb. and Sept. Fee, £21. Courses in special subjects, such as endoscopy, are held from time to time. The Institute is housed partly inside the hospl. and partly in adjoining accomm. adapted for the purpose. There are a museum, library and students' common rooms. Research labs. are available.

PUBLICATION: *Prospectus.*

THE YEAR 1952–53

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. V. Lambert, Manc.; Dr. S. R. Silverman, St. Louis; Dr. P. H. Holinger, Chic.; Prof. B. Gusic, Zagreb; Prof. D. F. Eeman, Ghent; Dr. B. Larsen, Odense; Dr. Ettore Bocca, Milan; Dr. S. R. Guild, Baltimore; Prof. J. R. Lindsay, Chic.; Dr. N. Canfield, Yale; Dr. A. W. Proetz, St. Louis.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. F. C. Ormerod, Belgrade, Zagreb, Padua, Milan, Rome; Dr. I. Friedmann, Rome.

STUDENT NUMBERS. (*See also* "Student Numbers," p. 374.)

Full-Time	*Part-Time*	*Total*
65	68	133

(*j*) INSTITUTE OF NEUROLOGY (National Hospital, Queen Square, London, W.C.1. *Telephone*: Terminus 7721). *Dean*—Michael Kremer, M.D., F.R.C.P.

The Inst. is a continuation of the Med. Sch. associated with the National Hosp., Queen Square, where postgrad. clin. teaching and res. have been carried on for past 90 yrs.; also associated with the Hosp. for Nervous Diseases, Maida Vale. Clinical teaching in neurology and neurosurgery continues throughout the yr., and is mainly by means of attendance on the hosp. practice. Fee, £15 : 15s. for 3 months, £29 : 8s. for 6 months, and £52 : 10s. for 1 yr. Two courses are held annually, commencing in Oct. and Jan., and are of 10 weeks' duration. Fee, £21. Ward rounds and out-patient teaching clinics continue throughout yr. Clin. demonstrations are held twice a week. In conjunction with Inst. of Psychiatry, the Inst. holds full-time courses in Jan.,

April and Oct. in electro-encephalography. Fee, £10 : 10s. Res. labs., X-ray and photographic depts. and library.

PUBLICATIONS. *Prospectus* and *Annual Report.*

THE YEAR 1952–53

NEW BUILDING. Floor of Royal Inst. of Public Health and Hygiene bldg. at 23 Queen Square leased and furnished as res. labs.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. E. Bay, Heidel.; Prof. W. McCulloch, M.I.T.; Prof. K. Goldstein, N.Y.; Prof. J. Fulton, Yale; Dr. E. Hartmann, Paris; Prof. G. Schaltenbrand, Würzburg; Prof. S. Zuckerman, Birm.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Dr. M. Critchley, Lille, Paris, Oslo, Bergen, Australia, Singapore, Madras, U.S.A. and Canada; Dr. D. Brinton, Colombo, Singapore, Australia and New Zealand.

STUDENT NUMBERS. (*See also* " Student Numbers," p. 374.)

Full-Time	*Part-Time*	*Total*
100	265	365

(*k*) INSTITUTE OF OBSTETRICS AND GYNÆCOLOGY (The Chelsea Hospital for Women, Dovehouse Street, London S.W.3. *Telephone*: Flaxman 9509). *Director and Dean*—Charles D. Read, M.B., Ch.B. N.Z., F.R.C.S. Eng. and Ed., F.R.A.C S., F.R.C.O.G.

The Institute is associated with Queen Charlotte's Maternity Hospital, the Chelsea Hospital for Women and the Dept. of Obstetrics and Gynæcol. at the Postgraduate Medical School (*q.v.*). It was formed in 1948, and was approved for recognition as a Federated Institute of the Federation from Oct. 1949. It has 241 beds for Obstetrics and 172 for Gynæcol. Training is mainly by means of courses of instrucn., which include lectures and demonstrations held during 2 long terms only, commencing in Sept. and March; each term is of 12 weeks' duration. Fees, £36 per term. An advanced revision course of 2 weeks' duration is held in June and December (fee £14 : 14s.), and a week's course for general practitioners is held twice a year (fee, £5 : 5s.). There is provision for general practitioners with a special interest in obstetrics and gynæcol. to attend for short periods. Resident house appts. and registrarships are advertised and filled by open competition. They afford increasing responsibility for the care of patients and opportunities for original investigation, under supervision. Research and museum facilities.

PUBLICATIONS. *Prospectus* and *Five-Year Report.*

THE YEAR 1952–53

NEW BUILDING. A hutted bldg. erected at Hammersmith Hosp. to provide a lecture-room, students' common room and admin. offices.

STUDENT NUMBERS. (*See also* " Student Numbers," p. 374.)

Full-Time	*Part-Time*	*Total*
102	158	260

(*l*) INSTITUTE OF OPHTHALMOLOGY (Judd Street, London, W.C.1. *Telephone*: Euston 2543). *Dean*—R. C. Davenport, M.B., B.S., F.R.C.S.

The Institute is associated with the Moorfields, Westminster and Central Eye Hospital and has developed from the Med. School of the Royal London Ophthalmic (Moorfields) Hospital, where clin. teaching and research have been carried on since its establishment in 1810. It was approved as a Federated Institute of the Federation from Oct. 1948. In addition to teaching by means of hospl. practice, a routine lecture and tutorial course lasting 9 months (divided into two terms) is held twice a year, commencing in March and Oct. Part I consists of anat., embryol., histol., physiol., optics and elementary clin. instructn. Part II comprises bacteriol., pathol., operative surgery, medical ophthalmol. and all aspects of ophthalmic disease. Fee for each term, £26 : 5s. Part-time revision courses in the Basic sciences, and clin. teaching and lectures are given at a higher level for advanced students. A course in slit lamp microscopy is held each term. Fee, £5 : 5s. Courses of one week's duration are held during the terms commencing in March or October in Orthoptics (fee, £5 : 5s.) and contact lens practice (fee, £10 : 10s.). Labs. for bacteriol., histol., biochem. and research in all fields associated with the physiol. and pathol. of the eye and vision are available. There are also library and museum facilities.

PUBLICATIONS. *Prospectus* and *Annual Report.*

THE YEAR 1952–53

VISIT BY MEMBER OF STAFF FROM OTHER UNIVERSITY. A. C. Woods, Johns H.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. F. W. Law and N. H. Ashton, U.S.A.; L. C. Thomson, U.S.A. and Canada.

STUDENT NUMBERS. (*See also* "Student Numbers," p. 374.)

Full-Time	*Part-Time*	*Total*
120	74	194

(*m*) INSTITUTE OF ORTHOPÆDICS (Royal National Orthopædic Hospital, Great Portland Street, London, W.1. *Telephone*: Euston 5070). *Dean*—H. Jackson Burrows, M.A., M.D., B.Chir. Camb., F.R.C.S., F.R.A.C.S.

The Institute was formed in 1946, and is associated with the Royal National Orthopædic Hospital. Approved for recognition as a Federated Institute of the Federation from Jan. 1951. The practice of the town section and the country section at Stanmore is open to postgraduate students. In addition to hospl. practice, about five short advanced courses of a week to a fortnight are held annually. Fee, £7 : 7s. to £10 : 10s. Twice a year, in April and Sept., a short revision course in Adv. Clin. Orthopædics of a week's duration is held. Fee, £7 : 7s. Students should have previous surgical training and experience. Intensive education and training is provided for holders of junior hospl. posts, and selected postgraduates may go on to the Institute research appointments. Library facilities.

PUBLICATION. *Prospectus.*

THE YEAR 1952–53

NEW POSTS. Asst. in Morbid Anat; Hon. Adviser in Metabolic Studies; Hon. Adviser in Animal Care.

VISIT BY MEMBER OF STAFF FROM OTHER UNIVERSITY Dr. H. L. Jaffe, Cornell Univ.

VISITS OF MEMBER OF STAFF TO OTHER UNIVERSITIES. H. J. Seddon Brussels, Paris, Lyons.

DEATH. V. H. Ellis, pt.-time teacher in Institute and Orthop. Surgeon, Royal Nat. Orthop. Hosp.

STUDENT NUMBERS. (*See also* "Student Numbers," p. 374.)

Full-Time	*Part-Time*	*Total*
35	82	117

(*n*) INSTITUTE OF PSYCHIATRY (Maudsley Hospital, Denmark Hill, London, S.E.5. *Telephone*: Rodney 2634). *Dean*—D. L. Davies, M.A., D.M., B.Ch. Oxon., D.P.M.

Associated with the Maudsley Hospital, Denmark Hill, and the Bethlem Royal Hospital. Admitted as a School of the Univ. in May 1924, and approved for recognition as a Federated Institute of the Federation in March 1948.

Psychiatric training, based on responsible hospital duties under supervision given throughout yr., suitable for doctors studying for Academic Postgraduate Diploma in Psychol. Med., and comprising clin. instruction supplemented by lecture and demonstration courses in each term. Fees: full course, £21 for 1 term, £52 : 10s. for 1 yr.; lecture courses, £12 : 12s. for 1 term, £31 : 10s. for 1 yr. Hosp. jr. staff appts. also available. There are a few vacancies in special six-monthly courses in child psychiatry (fee, £26 : 5s.). Honours graduates in psychol. are accepted for a yr.'s course in abnormal psychol. for Postgraduate Dipl. in Psychol. (fee, £29 : 8s.). Other courses include electroencephalography (in conjunction with the Inst. of Neurol.) and psychiatric social work (in conjunction with London School of Econ.). The neuropathol., biochem., psychol., electrophysical and exper. neuro-endocrinol. labs. offer facilities for res. and study for higher degrees. Library takes relevant current periodicals, in various langs.

PUBLICATIONS: *Annual Report* and *Syllabus of Courses*.

THE YEAR 1952–53

NEW BUILDING. Prefabricated block for lab. and offices, primarily for new Dept. of Exper. Neuro-endocrinol. and for M.R.C. Occupational Adaptation Res. Unit.

NEW POST. Creation of Fitzmary Chair of Physiol. endorsed by Board of Governors of Bethlem Royal Hosp. and Maudsley Hosp.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. J. Elkes, Birm.; Dr. G. Weddell, Oxon.; Prof. K. Lorenz, Max Planck Inst., Germany; Prof. K. C. Rumke, Utrecht.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. A. Meyer, Edin.; Dr. E. Stengel, Brist.; Dr. H. McIlwain, Canada.

STUDENT NUMBERS. (*See also* " Student Numbers," p. 374.)

Full-Time	*Part-Time*	*Total*
182	61	243

(*o*) INSTITUTE OF UROLOGY (10 Henrietta Street, London, W.C.2. *Telephone* : Temple Bar 5361). *Director of Studies*—J. D. Fergusson, M.D., F.R.C.S. *Dean*—A. R. C. Higham, T.D., M.B., B.S., F.R.C.S.

Inst. formed in 1946 and is associated with St. Peter's, St. Paul's and St. Philip's Hospitals. Comprehensive instruction given in wards, out-patient depts., operating theatres, labs., etc. throughout the yr. ; fee, £10 : 10s. per mo. Week-end courses for higher examn. candidates are held at frequent intervals ; fee, £5 : 5s. 2 courses of lectures and demonstrations of clin. and lab. material held each yr. in co-operation with members of the Medical Society for study of venereal diseases ; each course lasts 2 months. Fee for each course, £12 : 12s. In winter months a series of lecture discussions on urol. subjects of interest to whole profession held on Wed. evenings at 5 P.M. ; no fee. Limited numbers of clin. assts. apptd. to individual surgeons for personal tuition from time to time, and also res. assistantships. Library and Reading Room.

PUBLICATION. *Prospectus.*

THE YEAR 1952–53

NEW POST. Res. Asst.

STUDENT NUMBERS. (*See also* " Student Numbers," p. 374.)

Full-Time	*Part-Time*	*Total*
26	41	67

[*Information compiled as at* 27/5/54 ; *Staff list revised on* 11/10/54.]

LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE

(INCORPORATING THE ROSS INSTITUTE)

Founded 1924

Postal Address: Keppel Street (Gower Street), London, W.C.1, England.
Telegrams: Hygower, Westcent, London.
Telephone: Museum 3041; Langham 7621.

CHAIRMAN OF THE COURT OF GOVERNORS—Sir COSMO PARKINSON, G.C.M.G., K.C.B., O.B.E.

CHAIRMAN OF THE BOARD OF MANAGEMENT—Sir ARCHIBALD GRAY, C.B.E., M.D., F.R.C.P., F.R.C.S.

DEAN—ANDREW TOPPING, C.M.G., T.D., M.A., M D. Aberd., D.P.H. Aberd., F.R.C.P.

ASSISTANT DEAN—G. M. FRIZELLE, T.D., M.D.

FINANCE OFFICER—L. G. PONSFORD, LL.B.

APPOINTED AND RECOGNIZED TEACHERS

Applied Physiology

Crowden, G. P., O.B.E., T.D., D.Sc. Prof.
Angus, T. C., D.F.C., D.Sc. Sr. Lectr.

Bacteriology and Immunology

Spooner, E. T. C., M.A., M.D. Camb. Prof.
Cruickshank, J. C., M.D. Edin , Dip.Bact. Prof.
Fulton, F., D.M. Oxon. Reader.

Biochemistry

Raistrick, H., B.A., Sc.D. Camb., D.Sc. Leeds, F.R.I.C., F.R.S. Prof.
Birkinshaw, J. H., D.Sc. Leeds, F.R.I.C. Reader.

Clinical Tropical Medicine

Woodruff, A. W., M.D. Durh., Ph.D. Wellcome Prof.
..... Sr. Lectr.

Entomology

Buxton, P. A., C.M.G., M.A. Camb., D.T.M. & H. Camb., F.R.S. Prof.
Bertram, D. S., Ph.D. Glas. Reader.
Busvine, J. R., Ph.D., D.Sc. Lectr.

Human Nutrition

Platt, B. S., C.M.G., M.Sc., M.B., Ch.B., Ph.D. Leeds Prof.

Medical Statistics

Hill, A. B., C.B.E., Ph.D., D.Sc., F.R.S. Prof.
Reid, D. D., M.D. Aberd., Ph.D. Reader.

Part-time Lecturers

Irwin, J. O., M.A., Sc.D. Camb., D.Sc.
Martin, W. J., Ph.D., D.Sc.
Roberts, J. A. F., M.A. Camb., M.D., D.Sc. Edin. (Human Genetics).

Parasitology and Helminthology

Garnham, P. C. C., M.D., D.Sc., D.P.H. Prof.

Buckley, J. J. C., D.Sc. Dub. Prof.

Public Health

Mackintosh, J. M., M.A., M.D., LL.D. Glas., D.P.H., F.R.C.P. Prof.

Brotherston, J. H. F., M.D. Edin., Dr.P.H. Harv., D.P.H. Reader.

Tropical Hygiene, Ross Institute of

Macdonald, G., C.M.G., M.D. Liv., D.T.M. Liv., D.P.H. Prof.

Tredre, R. F., M.D., B.Hy., D.P.H. Durh. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Librarian: C. C. Barnard, B.A., F.L.A. Registrar: Effie M. Campbell, M.A. Accountant: J. S. Stokes, B.Com. Personal Asst. to Dean: Kathleen M. Shaw, M.B.E.

GENERAL INFORMATION

HISTORY. The School represents the union of the Lond. Sch. of Trop. Med., which had operated since 1899, with the Univ. teaching depts. for the Dipl. in Pub. Health. In 1934 the Ross Inst. of Trop. Hyg. (founded 1926) was incorporated with the Sch. The Sch. was built and equipped with $2,000,000 provided by the Rockefeller Foundation on the understanding that the British Govt. would make adequate grants for staffing and maintenance. Charter of Incorporation secured in 1924 and supplemental charters in 1931, 1934 and 1947. By the original charter the School was recognized in the Facs. of Sci. and Med. in so far as the branches of Pub. Health, Hyg., State Med. and Tropical Med. were concerned.

INCOME (1952–53). Total income, £181,173 (interest on investments and bank deposits, 5·6 per cent.; donations and subscriptions, 2·9 per cent.; Univ. Court grant, 85·6 per cent.; students' fees, 4·1 per cent.; contributions for services rendered, 0·8 per cent.; other sources, 1 per cent.).

DEPARTMENTS. 10 main depts. There are also a Sub-Dept. of Med. Mycol., Sub-Unit of Occupational Health, Library, and, at Winches Farm, St. Albans, a field res. and animal breeding station. Dept. of Clin. Trop. Med. works in close association with Hosp. for Tropical Diseases, 4 St. Pancras Way, N.W.1.

LIBRARY. 36,000 bound vols. and 35,000 unbound pamphlets; 330 books of 17th-18th centuries on trop. diseases and hyg., and special Reece Collection of 332 vols. on smallpox and vaccination; series of annual med. and sanitary reports from various countries in the Commonwealth.

LOCATION. All courses are given at premises in Keppel St. which have excellent labs., res. and class-rooms and lecture-theatre.

COURSES. *Certif. and Dipl. in Pub. Health* (*Lond.*) course, primarily for qualified practitioners who intend to enter public health service in Britain, commences about the beginning of Oct. and lasts 9 months; examn. for Certif. held at end of 3 months. Fee: 70 gs. for whole course; 25 gs. for Part I only.

Dipl. in Bacteriol. (*Lond.*) course providing advanced instruction to graduates in med. sci., vet. sci. and pharm. commences about the beginning of Oct. and lasts 9 months. Applications to be received not later than preceding March; no. of places strictly limited. Fee: 70 gs.

Dipl. in Trop. Med. and Hyg. (*England*) course, designed for Conjoint Board's D.T.M. & H., is continuous course of 5 months, open to qualified med. practitioners, held twice p.a., commencing about the beginning of Oct. and the beginning of March. Fee : 40 gs.

Certif. and Dipl. in Trop. Med. and Hyg. (*Lond.*) course begins about the beginning of Oct. Both prelim. and final courses extend over not less than 4 months. Candidates admitted to prelim. certif. course and examn. at any time after graduation. Candidates for final Dipl. course, who must have had 12 months' experience of med. practice in a tropical country, required to specialize in one of 3 elective subjects. Fee : 70 gs. for whole course ; 40 gs. for Part I only.

Short Courses in Principles of Med. Stats., Epidemiol. and Statistical Methods. Courses in stat. methods and their application to med. and in med. stats. and epidemiol. commence in March, lasting approx. 4 months. Lectures and practical demonstrations twice weekly ; courses so arranged that they can be taken in conjunction. Persons without medical qualification eligible to apply for admission. Fee for each course : 10 gns. ; for combined course : 17 gns.

Course in Malaria Control for Laymen, without fee to non-medical men and women proceeding to tropics, held once p.a. and lasts about 5 days.

RESEARCH DEGREES. Facilities for research for M.Sc. and Ph.D. Lab. fee, £22 : 1s. p.a.

A SCHOOL ASSOCIATION of old students has been formed. Members regularly receive Annual Report.

STUDENT HEALTH SERVICE. The School's students may join the University Coll. Student Health Assoc. Benefits include clin. consultations and psychiatric, ophthalmic and dental treatment.

THE BUREAU OF HYGIENE AND TROPICAL DISEASES, governed by a Committee apptd. by the Sec. of State for the Colonies, is housed in Sch. premises and publishes the *Bulletin of Hygiene*, *The Tropical Diseases Bulletin* and a series of *Review Monographs*.

PUBLICATIONS. *Memoir Series* ; *Journal of Helminthology* ; *Annual Report* ; annual *Syllabus of Courses* ; *School Handbook*.

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. Rockefeller Foundation, donation of £3829 ; estate of Mrs. F. Lemel, £340 ; donations to Ross Inst., £8858.

ADULT EDUCATION WORK. 158 people attended 5 days' course on Malaria Control for Laymen organized by Dept. of Trop. Hyg. (Ross Inst.).

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES AND COLLEGES. Prof. P. Drinker, Harv., "The Engineer and the Physician in Industrial Hygiene" ; Dr. H. E. Sigerist, lately at Johns H., Heath Clark Lectures—" Landmarks in the History of Medicine " ; Prof. F. A. H. Rice, Johns H., worked in Biochem. Dept. on sr. Fulbright Fellowship.

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITY. Prof. B. Hill, Harv., Cutter Lecture on " Observation and Experiment ".

RESIGNATION. Dr. B. A. D. Stocker (Bacteriol.), apptd. Dir., Guinness-Lister Microbiol. Res. Unit at Lister Inst.

DEATHS. Brigadier G. S. Parkinson (former Acting Dean) : Dr. I. E. McCracken (Pub. Health).

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	101	114
Women	14	32
Total	115	146

Postgraduate students, 261.

New admissions, 233.

Students from other countries, 167. (Countries from which largest numbers came: India, 24; W. Africa, 22; E. Africa, 13; Egypt, 12; W. Indies, 11; S. Africa, 11.)

DEGREES AWARDED. M.D. (Hygiene), 2; M.D. (Trop. Med.), 1; M.Sc., 1; Ph.D. in Fac. of Med. (Non-clin.), 4; Ph.D. in Fac. of Sci., 6.

DIPLOMAS AND CERTIFICATES AWARDED. C.P.H., 61; D.P.H., 44; Dip. Bact., 11; D.T.M. & H. Eng., 53; C.T.M. & H. Lond., 4; D.T.M. & H. Lond., 3.

[*Information compiled as at* 25/5/54 ; *Staff list revised on* 11/10/54.]

LISTER INSTITUTE OF PREVENTIVE MEDICINE *

Founded 1891

Postal Address : Chelsea Bridge Road, London, S.W.1, England.
Telegraphic Address : Bacteriology, Knights, London.
Telephone : Sloane 2181.

CHAIRMAN OF GOVERNING BODY—Sir HENRY H. DALE, O.M., G.B.E., M.D., F.R.C.P., F.R.S.

DIRECTOR—Professor A. A. MILES, C B.E , M A , M.D. Camb , F.R C.P.

SECRETARY—S. A. WHITE.

APPOINTED AND RECOGNIZED TEACHERS

Baddiley, J., M.Sc., Ph D. (Chem.).

Dolby, D. E , Ph.D. (Biochem)

Kekwick, R. A., D.Sc. (Chem. Biophys). Reader.

Macfarlane, Marjorie G., D Sc., Ph.D. (Biochem.)

Maycock, W. d'A., M.B.E., M.D. McG. (Pathol.).

McClean, D., M.B., B.S. (Bacteriol.).

Miles, A. A., C.B.E., M.A., M.D. Camb., F. R. C. P. (Prof. of Exper. Pathol.).

Morgan, W. T. J., D.Sc., Ph.D., F.R.I C., F.R.S. (Biochem) Prof.

Standfast, A. F. B., M.A , Dip. Bact. (Bacteriol.).

GENERAL INFORMATION

Founded in 1891 for research into causation, prevention and treatment of diseases of men and animals. Limited accomm. available for approved research by students of both sexes, usually without fees. Research studentships advertised as vacancies occur. Library, primarily for the use of Institute workers, is well-equipped.

THE YEAR 1952–53

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	17	..
Women	6	1
Total	23	1

All the above are postgraduate students.
New admissions, 5.

DEGREES. M.Sc., 1 ; Ph.D., 6.

* Not in receipt of U.G.C. grants.

[*Information compiled as at* 9/6/54; *Staff list revised on* 11/10/54.]

INSTITUTIONS WITH RECOGNIZED TEACHERS *

[(*a*) Principal. (*b*) Subjects in which recognized. (*c*) Number of Internal students (session 1952–53).†]

1. UNIVERSITY OF LONDON: GOLDSMITHS' COLLEGE, New Cross, London, S.E.14. (*Telephone:* Tideway 2266.) Incorporated in the Univ. *Warden, and Principal of the Training Depts.*—D. R. Chesterman, Ph.D. *Vice-Principals of Training Dept.*—Effie M. McClelland, M.A., Ph.D., and E. A. Wheeler, O.B.E., M.Sc. (*c*) 69.

Training Department. Recognized by Ministry of Educn. as a Training Coll. Ordinary course—2 yrs., or for B.A. (General) or B.Sc. (General) degree—4 yrs. Lectrs.—40. Hostels provide accommodation for nearly all the women and some of the men students. For recognized Teachers v. *infra* (Classics, Educn., Engl., Geog., Music).

School of Art (Day and Evening). Headmaster and 38 Assts. *Fees*: Day, £9 to £23; Evening, £1 : 5s. for one evening's instruction per week, £1 : 15s. for 2 or 3 evenings and 10s. for each addtl. evening.

The Evening Department of Adult Education. Provides opportunities of non-vocational study for men and women. *Fees*: 12s. 6d. for any one sessional class and 5s. for each additional evening.

2. BATTERSEA POLYTECHNIC, Battersea Park Rd., London, S.W.11. (*Telephone*: Macaulay 1031.) (*a*) R. W. West, D.Sc., F.R.I.C. (*b*) Chem., Engin. (Civ., Elec., Mech. and Chem.), Maths., Metallurgy, Music, Physics. (*c*) 809.

3. CHELSEA POLYTECHNIC, Manresa Rd., Chelsea, S.W.3. (*Telephone*: Flaxman 5747.) (*a*) N. M. Lightfoot, M.A. (*b*) Bot., Chem., Geol., Maths., Pharm., Physics, Physiol., Zool. (*c*) 812.

4. COLLEGE OF ESTATE MANAGEMENT, St. Alban's Grove, London, W.8. (*Telephone*: Western 1546.) (*a*) S. J. Worsley, D.S.O., M.C., M.A. (*b*) Subjects for the Degree in Estate Management. (*c*) 105.

5. EAST MALLING RESEARCH STATION, East Malling, Kent. (*Telephone*: West Malling 3033.) *Director*—F. R. Tubbs, Ph.D., M.Sc., F.L.S. (*b*) Appl. Bot., Pomol., Statistics, Plant Physiol., Chem. (in relation to fruit-growing), Plant Pathol., Entomol. For postgraduate research students only. (*c*) 13.

6. JEWS' COLLEGE, Woburn House, Tavistock Sq., London, W.C.1. (*Telephone*: Euston 3737.) (*a*) Rabbi I. Epstein, D.Lit., Ph.D. (*b*) Hebrew, Semitics. (*c*) 25.

7. JOHN INNES HORTICULTURAL INSTITUTION, Bayfordbury, Hertford. (*Telephone*: Hertford 3191.) *Director*—K. S. Dodds, D.Sc. (*b*) Genetics and Cytology. (*c*) 11 (research only).

* Not in receipt of U.G.C. grants.

† Only the totals of those students pursuing internal degree or diploma courses of the University of London are given. The Institutions also provide other courses.

8. MARIA GREY TRAINING COLLEGE, 11 The Avenue, Brondesbury, London, N.W.6; 300 St. Margaret's Rd., Twickenham. (*Telephone*: Willesden 4121 and Popesgrove 2660.) (*a*) Mildred Cant, B.A. (*b*) Educn. (*c*) 19.

9. NATIONAL INSTITUTE FOR MEDICAL RESEARCH, The Ridgeway, Mill Hill, London, N.W.7. (*Telephone*: Mill Hill 3666.) Controlled by the Medical Research Council. *Director*—Sir Charles Harington, Ph.D. Edin., M.A., Sc.D. Camb., F.R.S. (*b*) Bacteriol., Chem., Biochem., Chem. Pathol., Immunol. and Hygiene. For Research students only. (*c*) 19.

10. NORTHAMPTON POLYTECHNIC, St. John St., London, E.C.1. (*Telephone*: Clerkenwell 1662 and 5231.) (*a*) J. E. Richardson, Ph.D., B.Eng. (*b*) Engin. (Civil, Mech., Elec.), Maths., Metallurgy. (*c*) 669.

11. NORTHERN POLYTECHNIC, Holloway Rd., London, N.7. (*Telephone*: North 1686.) (*a*) T. J. Drakeley, C.B.E., D.Sc., Ph.D., F.R.I.C. (*b*) Bot., Chem., Geol., Zool., Maths., Physics. (*c*) 485.

12. ROTHAMSTED EXPERIMENTAL STATION, Harpenden, Herts. (*Telephone*: Harpenden 3621.) *Director*—Sir William Gammie Ogg, M.A. (*b*) Science (in its application to Agric.). For Research students only. (*c*) 38.

13. ROYAL ACADEMY OF MUSIC, Marylebone Rd., London, N.W.1. (*Telephone*: Welbeck 5461.) (*a*) Sir Reginald Thatcher, O.B.E., M.C., M.A., D.Mus., F.R.C.M., F.R.C.O. (*b*) All branches of Music, theoretical and practical (*c*) 15.

14. ROYAL COLLEGE OF MUSIC, Prince Consort Rd., S. Kensington, London, S.W.7. (*Telephone*: Kensington 3643.) *Director*—Sir Ernest Bullock, C.V.O., Mus.D. Durh., F.R.C.M., F.R.C.O. (*b*) All Music subjects. (*c*) 8.

15. SIR JOHN CASS COLLEGE, Jewry St., Aldgate, London, E.C.3. (*Telephone*: Royal 3383.) (*a*) A. M. Ward, D.Sc., Ph.D., F.R.I.C. (*b*) Bot., Chem., Maths., Metallurgy, Physics. (*c*) 465.

16. TRINITY COLLEGE OF MUSIC, Mandeville Place, London, W.1. (*Telephone*: Welbeck 5773.) (*a*) W. Greenhouse Allt, Mus.D. (*b*) All subjects for the Musical and Arts (Music) degrees of London and other Univs. (*c*) 41.

17. WEST HAM COLLEGE OF TECHNOLOGY, Romford Rd., Stratford, London, E.15. (*Telephone*: Maryland 4186.) (*a*) E. A. Rudge, M.Sc., Ph.D. (*b*) Chem., Engin. (Chem., Civil, Elec., Mech.), Maths., Physics. (*c*) 225.

18. WOOLWICH POLYTECHNIC, Thomas St., Woolwich, London, S.E.18. (*Telephone*: Woolwich 2856.) (*a*) J. S. Tait, Ph.D. (*b*) Engin. (Elec. and Mech.), Maths., Phys., Chem. (*c*) 381.

RECOGNIZED TEACHERS *

Bacteriology

Andrewes, C. H., M.D, F.R.C.P., F.R.S. (9).

Biochemistry

Harington, Sir Charles, Ph.D. Edin., M.A., Sc.D. Camb., F.R.S. (9).

* The number in brackets after each name indicates the institution listed on p. 389 or p. 390 to which the teacher is attached.

Pirie, N. W., M.A., F.R.S. (12).
Tattersfield, F., D.Sc. (12).

Botany

Berkeley, C. J. A., B.Sc. (3).
Duerden, H., Ph.D. (3).
Mer, C. L., B.Sc., Ph.D., D.I.C. (15).
Muir, A., Ph.D. Edin., B.Sc. (12).
Tubbs, F. R., M.A., M.Sc., Ph.D., D.I.C., F.L.S. (5).
Watson, D. J., Ph.D. Camb. (12).

Chemistry

Allen, F. L., M.Sc., Ph.D., F.R.I.C. (17).
Arcus, C. L., Ph.D (2).
Beckett, A. H., Ph.D. (3).
Dippy, J. F. J., D.Sc. Wales (3).
Drakeley, T. J., C.B.E., D.Sc., Ph.D., F.R.I.C. (11).
Elton, G. A. H., Ph D. (2).
Garside, J. E., M.Sc.Tech. Manc., Ph.D. (10).
Gerrard, W., D.Sc., Ph.D., F.R.I.C., F.I.M. (11).
Goss, F. R., D.Sc. (2).
Hebdon, E. A. W., B.Sc. (3).
Houston, A. H. J., M.Sc., Ph.D. (2).
Jeffery, G. H., Ph.D. (18).
King, H. J. S., Ph.D., D.Sc., F.R.I.C. (11).
Leicester, J., Ph.D. (18).
Lidstone, A. G., M.A. Camb., B.Sc. (15).
Lindsey, A. J., M.Sc., Ph.D., F.R.I.C. (15).
McGhie, J. F., B.Sc., Ph.D. (3).
Roach, W. A., D.Sc., D.I.C. (5).
Salmon, J. E., Ph.D. (2).
Smith, C. G., B.Sc., Ph.D., F.R.I.C. (11).
Vogel, A. I., D.Sc., D.I.C. (18).
Walker, J., D.Sc., Ph.D., D.Phil. Oxon. (9).
Ward, A. M., Ph.D., D.Sc., F.R.I.C. (15).

Classics

Handford, S. A., M.A. Oxon. (1).

Education, v. also Music

Cant, Mildred, B.A. (8).
Feyer, Dorothy M., B.Sc., M.A., Ph.D. (8).
Kaye, M., M.A., Ph.D. (1).

Engineering, Chemical

Rudge, E. A., Ph.D. (17).
Tailby, S. R., Ph.D. (2).

Engin., Civil and Mech.

Beaufoy, L. A., Ph.D. (4).
Franklin, H. W., M.A. Camb. (10).
Oakden, J. C., M.A. Camb., M.Sc. Tech. Manc. (10).
Oliver, H. C., B.Sc. (Eng.) (17).
Peck, W. J., M.Sc. (Eng.) Sheff. (2).
Robertson, S. A., B.Sc. (Eng.), B.Com. (2).

Engineering, Electrical

d'Ombrain, G. L., Ph.D. (2).
Freeman, G. F., M.Sc. (Eng.) (18).
Mann, H. C., B.Sc. (Eng.) (2).
Tait, J. S., Ph.D. Glas., B.Sc. (Eng.) (18).

English

Pettet, E. C., B.Litt. N.U.I., M.A. Camb. (1).

Entomology

Massee, A. M., O B.E., D.Sc. (5).
Potter, C., Ph.D., D.Sc., D.I.C. (12).
Williams, C. B., M.A., Sc.D. Camb., F.R.S. (12).

Estate Management

Adkin, B. C., M.A. Camb., B.Sc. (Agric. and Forestry) (4).
Lawrance, D. M., B.Sc. (English Law relating to Land) (4).

Genetics

Lewis, D., B.Sc. R'dg., Ph.D. (7).

Geography

Cons, G. J., M.A. (1).

Geology

Fleet, W. F., M.Sc., Ph.D. (3).
Jones, F., T.D., Ph.D., M.Sc., F.G.S. (11).
Prentice, J. E., Ph.D. (15).

Horticulture

Rogers, W. S., M.A. Camb., D.Sc. (5).

Mathematics

Church, A. E. R., M.A., D.Sc. (15).
Geary, A., M.A. Camb., M.Sc. (10).
Gillies, A. W., Ph.D. (10).
Hayden, H. A., B.Sc. Wales, D.Sc. (2).
Littlejohn, E. S., M.Sc. Manc. (17).
Lowry, H. V., M.A. Camb. (18).
Ludlam, A. E., M.Sc. Birm. (3).
Martin, E. S., B.Sc., Ph.D. (11).
Rosenberg, R. L., Ph.D. Berl. (3).
Rothman, M., Ph D. (11).

Metallurgy

Derry, L. W., B.Sc. Birm., M.Sc. Tech. Manc. (2).
Garside, J. E., Ph.D., M.Sc.Tech. Manc. (10).
Kingswood, V. S., M.Sc. (Eng.). (2).
Shreir, L. L., Ph.D. (2).
Singlehurst-Ward, L., B Sc. (Eng) Birm. (15).

Music

Brockless, G. F., Mus.D. Durh., F.R.C.O. (2).
Coates, H. J., M.A. Camb., Ph.D. (16).
Dunwell, W., B.A. Leeds, Mus.B. Durh., F.R.C.O. (16).
Durrant, F. T., B Mus. Durh., D.Mus. (13).
Jacob, G., D.Mus. (14).
Latham, P. M. S., M.A., B.Mus. Oxon. (13).
Lovelock, W., D.Mus. (16).
Moule-Evans, D., D.Mus. Oxon. (14).
Orrey, L. G., B.Mus. Durh., F.R.C.O. (1).
Pritchard, A. J., D.Mus. Durh. (13).
Regan, L. W. A., B.Mus. Oxon., F.R.C.O. (13).
Rowley, A., F.R.C.O. (16).
Sowerbutts, J. A., B.Mus., F.R.C.O. (13).
Thiman, E. H., D.Mus. (13).
Webber, W. S. L., D.Mus., F.R.C.O. (14).

Pharmaceutics

Bean, H. S., Ph D. (3).

Pharmacy and Pharmacognosy

Morton, C., B.Sc. Lond. (3).

Physics

Bate, A. E., Ph.D., M.Sc., F.I.P. (17).
Donovan, B., Ph.D. (11).
Freeman, L. J., B.Sc., Ph.D., D.I.C. (3).
George, W. H., M.Sc., Ph.D. (3).
Heath, H. R , Ph.D. Birm. (2).
Humphry, R. H., M Sc. Birm., F.I.P. (15).
Marsh, S., D.Sc. Wales, Ph D. Gött. (2).
Lord, Mary P., Ph.D. (3).
Pillow, Marjorie E., B.Sc. (11).
Schofield, R. K., M.A., Ph.D. Camb., F.I.P. (12)
Smith, D. H., Ph D. (18).
Symons, A. S. M., B.Sc., Ph.D., D.I.C. (11).

Physiology and Pharmacology

Edholm, O. G., M.B., B.S., B.Sc. (9).
Feldberg, W. S., M.A. Camb., M.D. Berl., F.R.S. (9).
Lockett, Mary F., Ph.D. Camb., M.D. (3).

Plant Pathology

Bawden, F. C., M.A. Camb., F.R.S. (12).
Harris, R. V., D.Sc. (5).

Plant Physiology

Vyvyan, M. C., M.A. Camb., D.Sc. (5).

Semitic Languages

Epstein, I., D.Lit., Ph.D. (6).
Wieder, N., D.Phil. Würzburg (6).
Zimmels, H. J., D.Phil. Vienna (6).

Soil Bacteriology

Thornton, H. G., B.A. Oxon, D.Sc., F.R.S. (12).

Statistics

Hoblyn, T. N., Hort. Dip. (5).
Yates, F., Sc.D. Camb., F.R.S. (12).

Zoology

Brown, Eleanor M., B.Sc. (3).
Butler, C. G., M.A., Ph.D. Camb. (12).
Dales, R. P., Ph.D. (15).
Etherington, D., M.Sc. (11).
Hentschel, C. C., M Sc. (3).
Parkes, A S., Sc.D. Camb., D.Sc. (9).
Sutton, Muriel F., Ph.D. (3).

[*Information compiled as at* 21/6/54 ;
Staff list revised on 11/10/54.]

VICTORIA UNIVERSITY OF MANCHESTER*

Founded 1880

Postal Address : Oxford Road, Manchester, 13, England.
Telephone : Manchester, Ardwick 2681.

VISITOR—H.M. THE QUEEN IN COUNCIL.

CHANCELLOR—The Rt. Hon. The VISCOUNT WOOLTON OF LIVERPOOL, C.H., D.L., M.A., B.Sc., LL.D.

VICE-CHANCELLOR—Professor Sir JOHN STOPFORD, Sc.D. Dub. and Camb., D.Sc. Leeds, LL.D. Liv., M.D., LL.D., F.R.C.P., F.R.S.

PRO-VICE-CHANCELLORS—Professor C. W. WARDLAW, Ph.D., D.Sc. Glas., M.Sc. ; Professor R. A. C. Oliver, M.A., B.Ed., Ph.D. Edin., M.A.

CHAIRMAN OF COUNCIL—The Rt. Hon. LORD SIMON OF WYTHENSHAWE, OF DIDSBURY, M.A. Camb., LL.D.

TREASURER—Sir E. RAYMOND STREAT, C.B.E.

DEPUTY TREASURER—R. B. BARCLAY, J.P.

REGISTRAR—V. KNOWLES, M.A.

BURSAR—R. A. RAINFORD, M.A.

PRESENTER OF HONORARY GRADUANDS—Professor The Rt. Rev. T. W. MANSON, M.A. Camb., D.Litt. Glas., D.D. Glas., Durh. and Camb., Dr. de Stras., M.A., F.B.A.

LIBRARIAN—M. TYSON, M.A., Ph.D.

TEACHING STAFF

Accounting

Murphy, G. W., B.A. (Com.), F.C.A. Lectr.
Taylor, R. Y., B.A. (Admin.) Asst. Lectr.

Adult Education, v. Education

American Studies

Lecturers

Cunliffe, M. F., M.A., B.Litt. Oxon.
Jones, M. A., B.A. Oxon.
Potter, A. M., M.A. Wesleyan (Govt.).
Woods, J. A., M.A. Camb., Ph.D. Roch. Asst. Lectr.

Anatomy and Histology

Mitchell, G. A. G., O.B.E., T.D., M.B., Ch.M., D.Sc. Aberd., M.Sc. Prof. and Dir. of Labs.
Cooper, Eugenia R. A., D.Sc., M.D. (Histol.) Reader.
Patterson, E. L., B.Sc., M.D. (Anat.) Sr. Lectr.

* Member of the Association of Universities of the British Commonwealth.

Lecturers

Ashley, G. T., B.Sc., M.D. (Anat.).
Warwick, R., B.Sc., M.D. (Anat.).
Gray, E. D. (v. also Radiology) (Radiol. Anat.).

Clinical Lecturers

Haxton, H. A., M.D., Ch.M. St. And., F.R.C.S.
Bailey, R. A., B.A., M.D., C.M. McG.

Assistant Lecturers

Hoyte, D. A. N., M.B., Ch.B.
Dixon, A. D., B.Sc., M.D.S. Belf. (Anat. for Dental Students)

Demonstrators

Rintoul, J. R., B.Sc., M.B., Ch.B. St. And.
Rohan, R. F., M.B., B.S. Lond.
Rushton, Kathleen M., M.B, Ch.B.
Torr, J. B. D., M.B., Ch.B.
Turner, Leslie, M.B., Ch.B.

Anthropology, v. also Social Anthropology

Sayce, R. U., M.A. Wales and Camb., M.Sc. Hon. Lectr.

Arabic, v. Semitic Studies

Architecture

Cordingley, R. A., M.A., F.R.I.B.A. Prof. and Dir. of School.

Senior Lecturers

Howarth, T., Ph.D. Glas.
Singleton, W. A., M.A., B.Arch. Liv., Ph.D., Dip.T.P., F.S.A.

Lecturers

Nunn, J. P., B.A., Dip.T.P., F.R.I.B.A.
Arschavir, A., M.A., Dip.T.P.
Marsden, T. L., M.A., Dip.T.P.
Thornley, D. G., B.A.
Buttle, D., Dip.Arch., Dip.T.P.
Collins, P.
Wood-Jones, R. B., B.Arch., M.A. Liv.
Benson, E. S., M.B.E., Dip.T.P.
Bell, J. A. M., B.Arch., M.C.D. Liv.
Howcroft, G. B., M.C., M.A., F.R.I.B.A. (Professional Practice).
Malpass, J. C. L. (Life Drawing) Sp. Instr.

2 Assts.

Art, History of

Sewter, A. C., B.Sc. (Econ.) Lond., M.A. Sr. Lectr.
Rosenau, Helen, Dr.phil. Hamburg, Ph.D. Lond. Lectr.

Botany

Harland, S. C., D.Sc. Lond., M.Sc., F.R S., F.T.I., George Harrison Prof. and Dir. of Bot. Labs. and Exper. Grounds.
Wardlaw, C. W., Ph.D., D.Sc. Glas., M.Sc. (Cryptogamic B.) Barker Prof.

Senior Lecturers

Howarth, W. O., D.Sc.
Calder, Mary G., B.Sc., Ph.D. Glas.
Warne, L. G. G., M.Sc., Ph.D. Brist. (Hortic.) (on leave).

Lecturers

Dormer, K. J., B.Sc., Ph.D. Lond.
Wareing, P. F., B.Sc., Ph.D. Lond.
Allsopp, A., M.Sc., Ph.D. (Cryptogamic B.).
Legge, Betty J., B.Sc., Ph.D. Birm. (Mycol.).
Wylie, Ann P., M.Sc. N.Z.
Bentley, Joyce A., M.Sc., Ph D. Hon. Lectr.

Assistant Lecturers

Curry, J., M.D. (Dermatological Mycol.).
Hartshorne, J. N., B.Sc. Wales, Ph.D. Camb.
Hannay, J. W., B.Sc.

Chemistry, v. also Physics, Physiol., Technol.

Jones, E. R. H., B.Sc., Ph.D. Wales, D.Sc., F.R.S., F.R.I.C. Sir Samuel Hall Prof.

Gee, G., Sc.D. Camb., M.Sc., F.R.S. (Phys. Chem.) Prof.
Fairbrother, F., D.Sc. (Inorg Chem) Reader.

Senior Lecturers
Burkhardt, G N., M.Sc., Ph.D., F.R.I.C.
Warhurst, E., M.Sc., Ph D.
Baxendale, J. H., D.Sc.
Skinner, H. A., B.A., B.Sc., D.Phil Oxon

Lecturers
Henry, D. C., M A. Camb.
Herbert, J. B. M., M Sc.
Quibell, T. H. H , M.A , Ph.D. Camb.
Barker, G. R., B.Sc., Ph.D Lond.
Henbest, H. B., B.Sc., Ph.D. Lond., D.I.C.
Halsall, T. G., M.Sc., Ph.D.
Whiting, M. C., B.Sc., Ph.D. Lond.
Higginson, W. C. E., M.A., D.Phil. Oxon.
Meakins, G. D., B A., B.Sc., D.Phil. Oxon.
Bu'Lock, J. D., B.A., Ph.D. Camb.
Pritchard, H. O., M.Sc , Ph D.
Rowlinson, J. S , M.A., B.Sc., D Phil Oxon.

Assistant Lecturers
Landauer, S. R., B.Sc., Ph.D. Lond.
Williamson, G. R., M Sc Tech., Ph.D.
Farrar, Mrs. Kathleen R., B.Sc., Ph.D. Lond. Demr.
Jenkins, Rev. H. O., Ph.D., D.Sc , Wales, D.Phil. Oxon. Demr.

Chinese
..... Reader.

Classics, v. also Theology
Semple, W. H., M.A. Belf., Ph.D. Camb., M.A. (Lat.) Hulme Prof.
Westlake, H. D., M.A. Camb., M.A. (Gk.) Hulme Prof.

Senior Lecturers
Husband, Jeanie, B.A. Liv. (Gk.).
Zuntz, G., Dr.Phil. Marburg (Hellenistic Gk.).
Kerferd, G. B., B.A. Melb., M.A. Oxon.
Huxley, H. H., M.A. Camb. (Lat.).

Lecturers
Marlow, A. N., M.A. Lond.
Guite, H. F., M.A. Lond. (Lat.).
Herington, C. J., B.A. Oxon.
Leahy, D. M., M.A. Oxon.
Wilson, A. J. N., M.A., D.Phil. Oxon.
Knowles, V., M.A. Sp. Lectr.

Assistant Lecturers
Bradley, D. R., M.A. Durh.
Healy, J. F., M.A. Camb.

Comparative Literary Studies
Hughes, G. T., M.A., Ph.D. Camb. Lectr.

Computing Machine Laboratory
Brooker, R. A., B.Sc. Lond., M.A. Camb. (Theory of Computing) Lectr.

Coptic
Till, W., Dr.phil. Vienna Sr. Lectr.

Crystallography
Buckley, H. E , D.Sc Reader.

Dentistry, v. *infra*

Economics
Lewis, W. A., B.Com., Ph.D. Lond., L.H.D. Col., M.A. (Pol. Econ.)
Dean, Fac. of Econ. and Soc. Studies, Stanley Jevons Prof.
Redford, A., M.A., Ph.D. (Econ. Hist.) Prof.
Devons, E., M.A. (Appl Econ.) Robert Ottley Prof.

Readers
Mars, J., M.A. Brist., Dr. rer. pol. Vienna, M.Com. Birm., B.Litt. Oxon. (Econ.)

Willan, T. S., M.A., B.Litt., D.Phil. Oxon. (Hist.).
Stark, W., Dr. rer. pol. Hamburg, Dr. jur. Prague, M.A. Edin (Hist. of Econ. Thought).
Thomas, W. J., M.Sc. Wales (Agric. Econ.).

Senior Lecturers

Martin, K., M.A. Oxon., Dr.Phil. Frankfurt (Internat. Econ.).
Chaloner, W. H., M.A., Ph.D. (Mod. Econ. Hist.).
Henderson, W. O., M.A. Camb., Ph.D. Lond. (Internat. Econ. Hist.).
Lomax, K. S., B.Sc., M.A.(Admin.) (Econ. Stat.).
Koenigsberger, H. G , M.A., Ph.D. Camb. (Econ. Hist.).

Lecturers

Turner, H. A. F., B.Sc. (Econ.) Lond. (Indust. Relns.).
Coppock, D. J., B.A. (Econ.)
Vitkovitch, B., B.A. (Econ.)
Low, J. McI., B.Sc. (Econ.) Lond.
Johnston, J., B.Com.Sc. Belf. (Econ. Stats.).
Walker, D., M A. Camb.
Perkin, H. J., M.A. Camb. (Soc. Hist.).

Assistant Lecturer

Green, E. R. R., B.A., B.Litt. Dub., D.Phil. Oxon. (Econ. and Soc. Hist.).

Education, v. *infra*

Education of the Deaf, v. p. 406

Egyptology

Fairman, H. W. Sp. Lectr.

Electrical Engineering, v. also Technol.

Williams, F. C., O.B.E., D.Phil. Oxon., D.Sc., F.R.S.
Edward Stocks Massey Prof. of Electro-Technics and Dir. of Electr. Engin. Labs.

Kilburn, T , M.A. Camb., Ph.D., D.Sc. Sr. Lectr.
West, J. C., B.Sc., Ph.D. Sr. Lectr.

Lecturers

Piggott, L. S., M.Sc. (Eng.) Lond.
Litting, C. N. W., B.Sc., Ph.D.
Hardy, D. R., M.Sc. (Eng.), Ph.D. Lond.
Edwards, D. B. G., M.Sc.
Thomas, G. E., M.Sc.
Laithwaite, E. R., M.Sc.
Grimsdale, R. L., M.Sc.
Hoffman, G. R., B.Sc. St. And.
Havekin, T., Ph.D. Birm., B.Sc. Sp. Lectr.
Gerrard, H., M.Sc., F.I.P. Sp. Lectr.

Assistant Lecturer

Somerville, M. J., B.Sc.

Demonstrators

Rawlinson, E., B.Sc.
Harlen, F., B.Sc. Sheff.

Engineering, v. also Technol.

Matheson, J. A. L., M.B.E., Ph.D. Birm., M.Sc.
Beyer Prof. and Dir. of Whitworth Labs.
Diamond, J., B.Sc. Lond., M.Sc. Camb. (Mech. Engin.) Prof.
Mason, C. M., T.D., M.Sc. Tutor.
Mathieson, R., B.Sc. Lond., Ph.D. Glas. Clifton Sr. Lectr.
Rowe, P. W., B.Sc. Brist., Ph.D. St. And. Sr. Lectr.

Lecturers

Spooner, J. R., M.Sc. Tech.
Alderman, J. K., M.Sc.
O'Sullivan, J. K., M.Sc.
Edmunds, H. G., B.Sc. Lond., Ph.D. Camb.
Allen, J., M.Sc., Ph.D.
Edwards, F. J., B.Sc.
Livesey, J. L., B.Sc.
Pearson, J. F., M.Eng. Liv., B.A. Camb.
Wright, J., B.Sc. Durh.

Buckingham, F., B.Sc. Lond. Sp. Lectr.

Assistant Lecturers

Murray, N. W., B.E. Adel.

Chisnell, R. F., M.Sc. Lond. (Maths. and Engin.).

English Language and Lit.

Charlton, H. B., C.B.E., M.A., Litt.D. Leeds, Dr. de Dijon, M.A. (E. Lit.) Taylor Prof.

Brook, G. L., B.A., Ph.D. Leeds, M.A (E. Lang. and Med. E. Lit.) Smith Prof.

Senior Lecturers

Wright, J. D., M.A. (E. Lit.).

Jump, J. D., M.A. Liv. (E. Lit.)

Harmer, Florence E., M.A., Litt.D. Camb., B.A. Lond.

Lecturers

Gordon, Mrs. Ida L., B.A., Ph D. Leeds (E. Lang.).

Cox, R. G., M.A., Ph.D. Camb. (E. Lit.).

Lees, F. N., B.A. (E. Lit.).

Hanson, C., M.A. Sheff. (E. Lit.).

Pollard, A., B.A. Leeds, B.Litt. Oxon. (E. Lit.).

Leslie, R. F., M.A. (E. Lang.).

Oliver, Mrs. Annabella M., B.A. Oxon., M.A. Edin. (E. Lit.) Sp. Lectr.

Skelton, R., M.A. Leeds (E.Lit.).

Assistant Lecturers

Wynn, J. B., M.A. Wales.

Cunningham, J. S., B.A. Durh., B.Litt. Oxon.

Fluid Motion

Owen, P. R., B.Sc. (Eng.) Lond. (Exper. F.M.) Reader and Dir. of Lab.

Johannesen, N. H., M.Sc., Dr. techn. Copenhagen Lectr.

Smith, H. K. Lectr.

French Studies

Vinaver, E., M.A., D.Litt. Oxon., D. ès L. Paris, M.A. (Fr. Lang. and Lit.) Prof.

Mansell Jones, P., M.A. Wales and Camb., B.Litt. Oxon. (Mod. Fr. Lit.) Prof.

Whitehead, F., M.A., D.Phil. Oxon. (Old Fr. Lang. and Lit.) Reader.

Marks, J., M.A. Sr. Lectr.

Lecturers

Sutcliffe, F. E., M.A.

Lyons, Marianne F., M.A. Oxon., D. de l'U. Paris.

Saunders, F. W., M.A.

Young, Margaret L. M., M.A. St. And., L ès L. Paris, Ph.D.

Gaudon, J. A. M., L. ès L. Paris, M.A.

Gwynne, G. E., M.A. Wales, D. de l'U. Paris.

Hampson, N., M.A. Oxon. (Fr. Hist. and Instns.).

Special Lecturers

Sfeir, J. C., L. ès L., Dip. d'É.S. Paris, M.A. (Fr. Poetry).

Ruer, J. M. L., L. ès L., Dip. d'É.S. Lille, Ag. d'Angl. (Fr. Phonetics).

Assistant Lecturers

Wexler, P. J., M.A. Camb., D. de l'U. Paris.

Churchman, Anne R., M.A.

Noble, B. J., M.A. Oxon.

Delalle, R., L. ès L. Lille, Dip. d'É.S. Paris.

Daniels, G., B.A. Wales.

2 Assistants

Geography

Crowe, P. R., B.Sc. (Econ.) Lond., Ph.D. Glas. Prof.

Freeman, T. W., M.A. Leeds and Dub. (Econ. Geog.) Reader.

Sylvester, Dorothy, M.A. Liv. Sr. Lectr.

Lecturers

Rodgers, H. B., M.A.

Carter, Jean, B.Litt. Oxon., B.A. (on leave).

Assistant Lecturers
Duncan, J. S., M.A. N.Z.
Niddrie, D. L., M.Sc. S.A.
Brice, W. C., M.A. Oxon.
North, G., B.A. Camb.
Johnson, R. H., B.A. R'dg.
Rice, R. J., B.A. Lond.

Geology, Palæont., and Petrol.
Deer, W. A., Ph.D. Camb., M.Sc. Prof. and Dir. of Labs.
Straw, S. H., D.Sc. Lond. (Palæontol.) Reader.
Calder, Mary G., B.Sc., Ph.D. Glas. Sr. Lectr.

Lecturers
Nicholls, G. D., B.A., Ph.D. Camb. (Petrol.).
Simpson, I. M , B.Sc., Ph.D. Edin. (Stratig.)
Morton, E., M.Sc. (Appl. Geol.) Sp. Lectr.
Broadhurst, F. M., B.Sc.
Zussman, J., B.A., Ph.D. Camb.
Howie, R. A., M.A., Ph.D. Camb. Asst. Lectr.

German Lang. and Lit.
Peacock, R., M.A. Leeds, Dr.phil. Marburg, M.A. Dean, Fac. of Arts, Henry Simon Prof.
Keller, R. E., Dr.phil. Zür., M.A. Sr. Lectr.

Lecturers
Luke, F. D., M.A., D.Phil. Oxon.
Kerry, S. S., B.A.
Dyer, D. G., M.A., Ph.D. Camb.
Rohl, Mrs. Freda K., B.A. Lond. Sp. Lectr.
Wallbank, F. Rosemary E., B.A. Lond. Asst. Lectr.
1 Asst.

Government and Administration
Mackenzie, W. J. M., M.A. Oxon., LL.B. Edin., M.A. Prof.

Lecturers
Grundy, J., B.A., B.A. (Admin.) (Govt.).
Birch, A. H., B.Sc. (Econ.), Ph.D. Lond. (Govt.).
Rodgers, Mrs. Barbara N., M.A. Oxon. (Soc. Admin.).
Rodgers, A. B. L., B.Sc. (Econ.) Lond. (Soc. Admin.).
Campbell, P. W., M.A. Oxon. (Govt.).
Grove, J. W., B.Sc. (Econ.) Lond. (Govt.).
Chapman, B., M.A., D.Phil. Oxon. (Govt.).
Donnison, D. V., B.A. Oxon. (Soc. Admin.) (on leave).
Potter, A. M., M.A. Wesleyan (Govt.).
Gray, Mrs. Kathleen R., B.A. (Soc. Admin.). Tutor.

Assistant Lecturers
Rose, A. G., B.Sc. Econ. Lond., B.Litt. Oxon. (Soc. Admin.).
Jones, Kathleen, B.A., Ph.D. Lond. (Soc. Admin.).
Hanham, H. J., M.A. N.Z., Ph.D. Camb. (Govt.).
Scott, D. J. R., M.A. Camb. (Govt.).

Hebrew, v. Semitic Studies, Theol.

Histology, v. Anatomy

History, v. also Econ., Theol.
Cheney, C. R., M.A. Oxon., M.A., F.B.A. (Mediæval H.) Prof.
Redford, A., M.A., Ph.D. (Econ. H.) Prof.
Smith, R. E., M.A. Camb. (Anc. H.) Prof.
Goodwin, A., M.A. Oxon. (Mod. H.) Prof.
Willan, T. S., M.A., B.Litt., D.Phil. Oxon. Reader.
Stark, W., Dr. rer. pol. Hamburg, Dr. jur. Prague, M.A. Edin. (Hist. of Econ. Thought) Reader.

Senior Lecturers
Dugmore, Rev. C. W., M.A., B.D. Oxon. (Eccles. H.) Bishop Fraser Sr. Lectr.

Chaloner, W. H., M.A., Ph.D. (Mod. Econ. H.).
Henderson, W. O., M.A. Camb., Ph.D. Lond. (Internat. Econ. H.).
Koenigsberger, H. G., M.A., Ph.D. Camb. (Econ. H.).
Tupling, G. H., M.A., B.Sc., Ph.D. Lond. (Local H.) Sp. Lectr.

Lecturers

Pennington, D. H., M.A. Oxon.
Rodewald, C. A., M.A. Oxon.
Desborough, V. R. d'A., M.A., B.Litt. Oxon.
Robinson, Rev. W. G., M.A. Oxon, B.A. Liv., B.D., Ph.D. (Eccles Hist.).
Flitcroft, Rev. J., M.A. (Eccles. Hist.).
Beckingham, C. F., M.A. Camb. (Islamic H.).
Ward, W. R., B.A., D.Phil. Oxon.
Western, J. R., B.A. Oxon., Ph.D. Edin.
Clementi, Dione R., M.A., D.Phil. Oxon.
Williams, P. H., B.A. Oxon.
Musson, A. E., M.A.
Perkin, H. J., M.A. Camb. (Soc. Hist.).
Frere, S. S., M.A. Camb. (Archæol.).

Assistant Lecturers

Parker, R. A. C., M.A. Oxon.
John, E., M.A.

Horticulture, v. Botany

Italian

..... Prof.
Speight, Kathleen, M.Litt. Camb., Dott. Lett. Florence, M.A. Sr. Lectr.
White, D. M., B.A. Camb. Lectr.
Ralphs, Sheila, B.A. Lond. Lectr.
1 Asst.

Law

Eastwood, R. A., LL.D. (English Law) Dean, Fac. of L., Prof.
Wortley, B. A., O.B.E., LL.M. Leeds, LL.D. (Jurisprud. and Internat. L.) Prof.
Cooper, W. Mansfield, LL.M. (Industr. and Commercial L.) Prof.
Hornby, J. A., M.A., LL.B. Camb. Lectr. and Tutor for Articled Clerks.

Lecturers

Bowett, D. W., B.A., LL.B. Camb.
Bromley, P. M., M.A. Oxon.
Elliott, D. W., LL.B. Durh.
Hesling, Edith, O.B.E., LL.B.
Shepherd, F. C., LL.B.
Sidebotham, H , LL.M.
Towns, F. W., LL.M.
Driver, J. E., LL.M. (Roman L.) Hon. Lectr.

Assistant Lecturers

Nowell, D. G., LL.B.
Johnson, T. A. S., LL.B.
Wood, J. C., LL.M.

Mathematics, v. also Technol.

Newman, M. H. A., M.A. Camb., M.Sc., F.R.S. (Pure M.) Fielden Prof.
Lighthill, M. J., B.A. Camb., M Sc., F.R.S. (Appl. M.) Beyer Prof.
Bartlett, M. S., M.A. Camb., D.Sc. Lond., M.Sc. (Mathl. Stats.) Prof.
Mahler, K., Dr.phil. Frankfurt-am-Main, D.Sc., F.R.S. (Mathl. Analysis) Prof.

Senior Lecturers

Camm, G. L., M.A., D.Phil. Oxon.
Neumann, B. H., Dr.phil. Berl., Ph.D. Camb., D.Sc.
Moyal, J. E., Dip. de l'Institut de Statistique Paris (Mathl. Stats.) (on leave).
Ledermann, W., D.Sc. Edin., Ph.D. St. And.
Higman, G., M.A., D.Phil. Oxon.
Illingworth, C. R., B.A. Camb.

Levine, S., M.A., Ph.D. Tor.
Lecturers
Reuter, G. E. H., M.A. Camb.
Stone, A. H., M.A. Camb., Ph.D. Prin.
Wild, E., M.A. Camb.
Jones, D. S., M.B.E., M.A. Oxon.
Walker, A. M., B.A. Camb. (Mathl. Stats.) Res. Asst.
Green, J. A., B.Sc. St. And., Ph.D. Camb.
Glauert, M. B., M.A. Camb.
Whitham, G. B., M.Sc., Ph.D.
Reuben, H., B.Sc., Ph.D. Lond. (Mathl. Stats.).
Assistant Lecturers
Cohn, P. M., M.A., Ph.D. Camb.
Stone, Mrs. Dorothy, B.Sc. Carnegie Inst. of Technol., Ph.D. Bryn Mawr.
Rogers, Ruth H., M.Sc., Ph.D. Lond.
Roberts, G. T., B.A. Camb.
Chisnell, R. F., M.Sc. Lond. (Maths. and Engin.).
Wallington, P. A., M.A. Camb. (Mathl. Stats.).

Medicine, v. *infra*

Mesopotamian Studies, v. Semitic Studies, Theol.

Metallurgy and Metallography, v. also Technol.

Thompson, F. C., B.Sc. Lond., D.Met. Sheff., M.Sc., F.I.M. Prof. and Dir. of Labs.
Senior Lecturers
Axon, H. J., B.Met. Sheff., D.Phil. Oxon. (Electro-Metall.).
Entwistle, K. M., M.Sc., Ph.D.
Lecturers
Jones, E. O., B.Sc. Lond. (Non-Ferrous Metall.).
Evans, J. W., B.Sc., Ph.D. Lond.
Cottell, G. A., M.Sc. Hon. Sp. Lectr.
Ginsburg, K. M., B.Sc. Lond. Asst. Lectr.

Military Organization and Tactics
..... Hon. Lectr.

Music
Procter-Gregg, H., B.A., Mus.B. Camb. Prof.
Dawber, H. M., F.R.C.O. Sp. Lectr.
Aitchison, M., M.A., Mus.B. Camb. Lectr.
Cox, F. R., O.B.E., M.A. Oxon. Hon. Sp. Lectr.
Horsfall, B., B. Mus.Durh., Mus.D. Asst. Lectr.
Knowles, C. Asst. Lectr.
Avery, D. Ann, B.A., Mus.B. Camb. Asst. Lectr.

Near Eastern Archæology
Rowe, A. Lectr.

Palæography
Tyson, M., M.A., Ph.D. Sp. Lectr.

Persian Studies
Boyle, J. A., B.A. Birm., Ph.D. Lond. Sr. Lectr.

Philosophy, v. also Theol.
Emmet, Dorothy M., M.A. Oxon., M.A. Sir Samuel Hall Prof.
Mays, W., Ph.D. Camb. Lectr.
Lucas, P. G., M.A. Camb. Lectr.
Henry, D. P., B.A. Leeds Lectr.
Gilman, E., B.A. Oxon. Lectr.
Alexander, H. G., M.A. Aberd., B.A. Oxon. Lectr.

Physics, v. also Electr. Engin. and Technol.
..... Langworthy Prof. and Dir. of Phys. Labs.
Rosenfeld, L., Ph.D. Liège, M.Sc. (Theoret. Phys.) Prof.
Kopal, Z., D.Sc. Prague (Astron.) Prof.
Lovell, A. C. B., O.B.E., B.Sc., Ph.D. Brist., F.I.P. (Radio-Astron.) Prof. and Dir. of Jodrell Bank Exper. Station.

Henry, D. C., M.A. Camb. (Colloid Phys.) Reader.
Gilbert, C. W., M.A., Ph.D. Camb. Hon. Reader.
Rochester, G. D., M.Sc., Ph.D. Durh., F.I.P. Reader.

Senior Lecturers
Nuttall, J. M., D.Sc., F.I.P. Asst. Dir. of Phys. Labs.
Braddick, H. J. J., B.A., Ph.D. Camb.
Brown, R. H., B.Sc.(Eng.) Lond., D.I.C. (Radio-Astron.).

Lecturers
Owen, B. G., B.Sc. Wales, Ph.D.
Newth, J. A., B.A. Camb., B.Sc. Lond.
Ramsey, W. H., B.Sc. Belf., Ph.D. Brist. (Astrophys.).
Wilcock, W. L., B.Sc., Ph.D.
Davies, J. G., M.A. Camb., Ph.D. (Radio-Astron.).
Hyams, B. D., B.Sc. Chic.
Podolanski, J., Dr.phil. Jena (Theoret. Phys.).
Maddox, J. R., B.A. Oxon. (Theoret. Phys.).
Wolfendale, A. W., B.Sc., Ph.D.
Sutherland, G. A., M.A. Camb. Sp. Lectr.
Meredith, W. J., M.Sc., F.I.P. (Radiol. Phys.) Hon. Lectr.

Assistant Lecturers
Browne, I. C., M.A., Ph.D. Camb.
Geake, J. E., M.Sc.
Herzenberg, A., B.Sc., Ph.D.
Maxwell, A., M.Sc. N.Z., Ph.D.
Palmer, H. P., B.A., D.Phil. Oxon.
Fowler, G. N., B.Sc., Ph.D. (Theoret. Phys.).
Ring, J., B.Sc.
Davies, R. D., M.Sc. Adel.
Major, J. V., B.Sc.
Rodgers, A. L., B.Sc.

Physiology
Schlapp, W., M.B., Ch.B., B.Sc., Ph.D. Edin., M.Sc. Dean, Fac. of Med., Brackenbury Prof. and Dir. of Labs.
Kendal, L. P., Ph.D. Camb., M.Sc. (Physiol. Chem.) Sr. Lectr.

Lecturers
Morgan Jones, A., M.Sc., M.B., Ch.B., F.R.C.P. (Appl. P.).
Mills, J. N., M.A., B.Sc., D.M. Oxon., M.D. Camb. (Human P.).
Griffiths, D. Ll., M.B.E., B.Sc., M.B., Ch.B., F.R.C.S. (Appl. P.) Hon. Asst. Lectr.
Longson, D., M.B., Ch.B. Hon. Asst. Lectr.
Bradley, K., M.Sc. (Exp. P.). Asst. Lectr.

Demonstrators
Holmes, R., M.Sc. (Exp.P.).
Beswick, F. B., M.B., Ch.B.
Thomas, S., B.Sc., M.B., Ch.B. Wales.
Sharples, C. A., B.A., M.B., B.Chir. Camb.

Psychology
Cohen, J., M.A., Ph.D. Lond. Prof.
MacNeill, Florence E., M.A., B.Ed., Ph.D. Edin. Sr. Lectr.
Kenna, J. C., M.A. Calif., B.A. Syd., B.Ed. Melb. (Clinical Psychol.) Lectr.
Kitching, E. H., M.D. Leeds, D.P.M. Sp. Lectr.
Hansel, C. E. M., B.A. Camb. Lectr.

Assistant Lecturers
Plowman, D. E. G., B.A. Oxon.
Morris, J. F., B.Sc. (Econ.) Lond.
Borger, R., B.Sc. Wales, B.A. Oxon.

Romance Philology

Reid, T. B. W., M.A., LL.B. Dub., L. ès L. Montpellier, M.A., O.A. Prof.

Russian Studies

Dobrin, S., LL.M. St. Petersburg, M.A. Sir William Mather Prof.

Willetts, H. T., B.A. Oxon. Lectr.

Dumbreck, J. C., M.A. Glas. Lectr.

White, Mrs. Duklida, B.A. Moscow Sp. Lectr.

Adamovitch, G. Sp. Lectr.

Scandinavian Studies

Plowman, Mrs. Jorel, fil. mag. Uppsala Asst. Lectr.

Semitic Studies, v. also Theol.

Rowley, Rev. H. H., M.A. Brist., B.Litt. Oxon., D.D. Lond., Durh. and Wales, Theol.D. Uppsala, LL.D. McM., D.Theol. Zür., M.A., F.B.A. (Hebrew Lang. and Lit.) Dean, Fac. of Theol., Prof.

Fish, Rev. T., Ph.D. Camb., M.A. (Mesopotamian Studies) Prof.

Robson, Rev. J., M.A., D.Litt. Glas., D.D. St. And., M.A. (Arabic) Prof.

Weis, P. R., L. en Phil. et Hist. Or. Louvain, M.A. (Post-Biblical Jewish Studies) Laski Sr. Lectr.

Wallenstein, M., M.A., Ph.D. (Med. and Mod. Hebrew) Lectr.

Beckingham, C. F., M.A. Camb. (Islamic Hist.) Lectr.

Patterson, D., M.A. (Mod. Hebrew) Asst. Lectr.

Wernberg-Møller, P., cand. theol. Copenhagen (Semitic Langs. and Lits.) Asst. Lectr.

Allegro, J. M., M.A. (Comp. Semitic Phil.) Asst. Lectr.

Social Anthropology

Gluckman, H. M., B.A. Rand, M.A., D.Phil. Oxon., M.A. Prof.

Peters, E. L., B.A. Wales, M.A. Camb., D.Phil. Oxon. Lectr.

Gough, Eleanor K., M.A., Ph.D. Camb. Lectr.

Social Studies

Polanyi, M., D.Sc. Prin. and Leeds, M.D., Ph.D. Bud., M.Sc., F.R.S. Prof.

Spanish and Portuguese Studies

Rees, J. W., M.A. Oxon., B.A. Wales (Sp. Lang. and Lit.) Prof.

Tapp, Mrs. Florence M. M., M.A. Edin. Lectr.

Raventós, Mrs. Margaret H., M.A. Edin. Sp. Lectr.

Wilson, Winifred M. D., M.A. Camb. Lectr.

Ramsden, H., Dr. de la Univ. Madrid, M.A. Asst. Lectr.

Gybbon-Monypenny, G. B., M.A. Camb. Asst. Lectr.

2 Assts.

Technology, v. *infra*

Theology, v. *infra*

Town and Country Planning

Holliday, C., M.Arch. Liv., F.R.I.B.A. Prof.

Lecturers

Ledgar, F. W., M.A., Dip.T.P.

Keeble, L. B., M.C., B.Sc. Lond., M.A., F.R.I.C.S.

Boileau, I., M.A. Camb., Dip.T.P. Lond.

Ginsburg, L. B.

Easton, H. C., T.D., M.A. Oxon., LL.B. (Town Planning Law).

Turner, R. B., Dip.Arch., Dip. T.P. (Archit. for Town Planning).

Johnson, A., M.Sc. Durh., F.R.San.I., F.I S.E. (Engin. for Town Planning).
Leeming, E. L., M.Sc.Tech. (Surveying for Town Planning).

Zoology

Cannon, H. G., M.A., Sc.D. Camb., D.Sc. Lond., M.Sc., F.R.S. Beyer Prof. and Dir. of Labs.
Dennell, R., D.Sc. Leeds, M.Sc., F.L.S. (Exper. Zool.) Prof.
Brown, F. J., M.Sc. Birm. Sr. Lectr. and Asst. Dir. of Labs.

Lecturers

Butler, P. M., B.A., Ph.D. Camb., B.Sc. Lond.
Popham, E. J., Ph.D., D.Sc. Lond.
Iles, E. J., B.Sc., Ph.D. Brist.
Blower, J. G., M.Sc.
Scott, D., B.Sc. Aberd. Asst. Lectr.

Demonstrators

Peel, Mrs. Edna D., B.Sc.
MacGill, Elsie I., M.Sc.
Hobson, Beryl R. A., B.A. Oxon., M.Sc.

Dentistry

Anæsthesia

Dinsdale, T., M.B., Ch.B., D.A. Lectr. and Demr.

Children's Dentistry and Preventive Dentistry

Miller, J., M.D.S. Lectr.
Byrom, J., L.D.S. Hon. Sp. Lectr.
Andrew, Pamela, L.D.S. Asst. Lectr.

Dental Anatomy and Physiology and Dental Histology

Monks, F. T., M.Sc., L.D.S., F.D.S.R.C.S. Lectr.
Turner, E. P., M.Sc. Asst. Lectr.

Dental Prosthetics and Dental Mechanics

Matthews, E., M.Sc., Ph.D. Lond., M.Sc., D.D.S., D.I.C., F.D.S.R.C.S. (Prosthetic D.) Prof. and Dir. of Dept.

Lecturers

Milne Gall, A. J. (Clin. Prosthetics).
McIntyre, H., M.B., Ch.B., B.D.S. (Clin. Prosthetics).
Johnston, J. W., B.D.S. N.Z. (Prosthetic D.).

Assistant Lecturers

Graham, Mrs. Estelle P. M., M.Sc., L.D.S. (Prosthetic Lab. Technique).
Hawley, Mrs. Hilda A., L.D.S. (Clin. Prosthetics).
Smith, D. C., M.Sc. Lond. (Dental Materials).
Wain, E. A., B.Sc. (Dental Materials).
Bates, J. F., B.D.S. Durh. (Prosthetic D).

Dental Radiology

Derbyshire, K., L.D.S. Clin. Lectr.

Dental Surgery

Radden, H. G, D.D.Sc. Melb., F.D.S.R.C.S. Dean of Dental Sch., Prof.
Cooke, C., L.D.S., F.D.S.R.C.S. Sr. Clin. Lectr.
Lewis, P. R., B.D.S. Sr. Clin. Lectr.

Clinical Lecturers

Bennison, H.
Peacock, J. N., L.D.S.
McKenzie, J. S., L.D.S.
Cartledge, D. H., B.D.S., F.D.S.R.C.S.
Cocker, G., L.D.S.
Bell, P. G., D.F.C., D.D.S. Northwestern, L.D.S.
Turner, Mrs. Barbara M. A., B.D.S. Asst. Lectr.

Demonstrators
Bolton, R., B.D.S.
Stockdale, C. R., L.D.S.
Powell, J. E., B.D.S.
Stoddard, R., L.D.S.
Harper, G. E., B.D.S.
Clin. Demr.

Medicine
Luxton, R. W., B.Sc., M.D., F.R.C.P. Lectr.
Macartney, D. W., M.D., D.P.H. Belf. Clin. Lectr.

Operative Dentistry
Holt, J. K., D.D.S. Northwestern, M.Sc., L.D.S., F.D.S.R.C.S. Reader.

Lecturers
Rowbotham, T. C., B.D.S., F.D.S.R.C.S. (Oper. Technique).
Cartledge, D. H., B.D.S., F.D.S.R.C.S. (Oper. Technique).
Torr, Mrs. Barbara, M.B., Ch.B., B.D.S. Asst. Lectr.

Oral Surgery
Ashcroft, G., F.D.S.R.C.S. Sr. Clin. Lectr.
Janes, B. V., L.D.S., F.D.S.R.C.S. Lectr.
Seeley, E. H., L.D.S., F.D.S.R.C.S. Lectr.
Moule, A. W., B.D.S., F.D.S.R.C.S. Hon. Clin. Lectr.
Mellor, W. C., L.D.S., F.D.S.R.C.S. Hon. Clin. Lectr.
Marsden, J. L., L.D.S., F.D.S.R.C.S. Asst. Lectr.

Orthodontia
Hartley, D.T., L.D.S. Lectr.
Wild, N., M.Sc., L.D.S. Lectr.
Mills, J. R. E., L.D.S., F.D.S.R.C.S. Lectr.
Huddart, A. G., B.D.S. Demr.
Newell, Sheila R., B.D.S. Demr.

Parodontia
Harrington, J., B.D.S. Lectr.
..... (D.Bact.) Lectr.

Surgery
Scotson, F. H., M.B., B.S. Lond., M.B., Ch.B., F.R.C.S. Lectr. and Clin. Lectr.

Education

v. also School of Education, *infra*

Adult Education
Waller, R. D., M.B.E., M.A. Dean, Fac. of E., Prof.
Legge, C. D., B.A. Lond. Lectr.

Education
Oliver, R. A. C., M.A., B.Ed., Ph.D. Edin., M.A. Sarah Fielden Prof. and Dir. of Dept.; Dean, Fac. of Music.
Wiseman, S., B.Sc., M.Ed. Durh., Ph.D. Sr. Lectr.

Lecturers
Gregory, Alys L., M.A., Ph.D.
Herbert, Mrs. Eleonore L., M.A.
Nesbitt, J. E., M.A. Belf.
Coulthard, Edith M., M.A. Oxon.
Morris, N., M.A. Oxon.
Hollins, T. H. B., M.A. Camb.
Coltham, Mrs. Jeannette B., M.A. Oxon.
Crossland, R. W., B.Sc.
Gorner, F., M.Sc. Sheff.
Stafford, E., B.Sc. Lond., B.A. (Admin.).
McGlynn, Mrs. Ida.
Black, E. L., M.A. Camb., M.Ed.
Haworth, Joyce, M.A. Leeds.
Warburton, F. W., B.A. R'dg., M.A., Ph.D. Lond. (E. Psychol.).
Claypole, Mrs. Barbara M. (Speech Educn.).
Blyth, W. A. L., M.A. Camb., M.Ed. Nott.
Shewell, M. E. J., M.A. Lond., B.Sc.

Arscott, Christine M., M.A., Ph.D. Lond., M.Ed. Sp. Lectr.
Addison, Anne A. Sp. Lectr.
Harrison, D. F. (Speech Trg.) Asst.
Middleton, Edith (Gardening) Instr.

Education of the Deaf

Ewing, A. W. G., M.A. Edin., Ph.D. Ellis Llwyd Jones Prof. and Dir. of Dept.
Watson, T. J., M.C., M.A., Ph.D. Edin. Sr. Lectr.

Lecturers

Carlill, Eleanor L., B.A.
Williamson, Marion B., M.A. Glas.
Moseley, Mrs. Nora H.
Wollman, D. C., M.A. Leeds, B.A.
Redgate, G. W., B.A.
John, J. E. J., B.Sc. Wales (Audiol.) Lectr.
Howarth, Jean N., M.A. Asst. Lectr.

Physical Education

Harper, R. St. G. T., M.A. Oxon. Sr. Lectr. and Dir. of Dept.

Lecturers

Clarke, Winifrid S., M.Sc.
Steel, W. L., M.A., Ed.B. Glas.
Daniel, Joyce R.
McNair, D. (on leave).
Anthony, D. W. J. Asst. Lectr.

Medicine

(for subjects of first 2 yrs.—Anat. etc., v. *supra*)

Anæsthesia

Brennan, H. J., M.D., F.F.A.R.C.S. Lectr. and Dir. of Sub-Dept.

Clinical Tutors

Begg, Elsie C., M.B., Ch.B.
Sykes, C. E., M.B., Ch.B., F.F.A.R.C.S.
Dinsdale, T., M.B., Ch.B.
Hunter, A. R., M.D., F.R.F.P.S. Glas.
Marson, E. A., M.B., Ch.B.
Culbert, T. A., M.B., Ch.B. Edin.
Johnstone, M. W., M.D., B.A.O. Belf.

Bacteriology

Maitland, H. B., M.D. Tor., M.Sc. Prof. and Dir. of Dept
Evans, D. G., Ph.D., D.Sc. (Chem. Bacteriol.) Reader.
Tobin, J. J. W. O'H., M.A., B.M., B.Ch. Oxon., Dip.Bact. Lectr.
Perkins, F. T., M.Sc., Ph.D. (Chem. Bacteriol.) Lectr.
Sherris, J. C., M.D. Lond.
Stones, P. B., M.B., B.S. Lond., M.P.H. Harv.
Parker, M. T., M.B., B.Chir. Camb. Hon. Lectr.
Preston, N. W., M.D., Dip.-Bact. Asst. Lectr.

Cardiology, v. Medicine

Child Health

Gaisford, W. F., M.D. Lond., M.Sc, F.R.C.P. (C.H. and Pædiatrics) Prof. and Dir. of Dept.

Lecturers

Holzel, A., M.D. Prague, D.C.H.
Fisher, T. N., M.B., Ch.B., D.P.H.
Guthrie, Mrs. Sylvia K., M.D.
Thomson, M. L., M.A., M.D. Aberd., F.R.C.P.
Komrower, G. M., M.B., Ch.B.
Patterson, W. H., M.D. Belf., D.C.H.
Macaulay, D., B.Sc., M.D. Glas., D.C.H.

Hon. Clinical Lecturers

Cavanagh, Mrs. Florence, M.B., B.S. Melb., B.Sc., D.L.O., F.R.C.S.Ed.
Guthkelch, A. N., M.A., M.Ch. Oxon., F.R.C.S.
Haxton, H. A., M.D., Ch.M. St. And., F.R.C.S.

Heslop, T. S., M.B., Ch.B., F.R.C.S.
Wolman, B., M.D., D.C.H.
Jolleys, A., M.D. Liv., F.R.C.S.
Mackay, R. I., B.Sc., M.B., Ch.B., D.C.H. Clin. Tutor.
Feldman, G. V., M.B., Ch.B., D.C.H. Asst. Lectr.
Hartley, J. B., M.D. Durh., D.M.R.E. Camb, F.F.R. (Radiol.) Sp. Lectr.

Dermatology

Mumford, P. B., M.D., F.R.C.P. Clin. Lectr.
Davies, J. H. T., M.A., M.B., B.Chir. Camb. Asst. Lectr.
Curry, J., M.D. (Dermatol. Mycol.) Asst. Lectr.

Forensic Medicine

Blench, T. H., M.D., B.Hy., D.P.H. Durh. Lectr.

Hæmatology, v. Medicine

Infectious Diseases

Yule, J., M.D. Glas., D.P.H. Edin. and Glas. Clin. Lectr.
Liddle, D. C., M.B., Ch.B. Glas. Clin. Lectr.

Medica Ethics and Conditions of Med. Practice

Kerr, J. H., M.D. Edin. Lectr.

Medicine

Platt, R., M.D. Sheff., M.Sc., F.R.C.P. Prof. and Dir. of Dept.
Kellgren, J. H., M.B., B.S. Lond., F.R.C.P., F.R.C.S. (Rheumatol.) Prof.
Wilkinsoh, J. F., M.Sc., M.D., Ph.D., F.R.C.P., F.R.I.C. (Hæmatology) Reader and Dir. of Sub-Dept.
Black, D. A. K., B.Sc., M.D. St. And., F.R.C.P. Reader.
Sharp, J., M.D. Roch., B.Sc., M.B., Ch.B. (Rheumatol.). Sr. Lectr. and Asst. Clin. Dir. of Dept. of Rheumatol.
..... (Pathol. in Dept. of Rheumatol.) Sr. Lectr.

Lecturers

Wilkinson, J. F., M.Sc., M.D., Ph.D., F.R.C.P., F.R.I.C.
Ferguson, F. R., M.D., D.P.H., F.R.C.P.
Kletts, N., M.B., Ch.B., F.R.C.P.
Brockbank, W., M.A., M.D. Camb., F.R.C.P.
Lane, R. E., M.D. Lond., M.Sc., F.R.C.P.
Don, C. S. D., M.D. Aberd., F.R.C.P.
Howat, H. T., M.B., Ch.B. St. And., F.R.C.P.
Stanbury, S. W., M.B., Ch.B.
Luxton, R. W., B.Sc., M.D., F.R.C.P. (Med. for Dental Students) Lectr. and Hon. Clin. Lectr.
Morgan Jones, A., M.Sc., M.B., Ch.B., F.R.C.P. (Cardiology) Clin. Lectr. and Dir. of Cardiol. Sub-Dept.
Israèls, M. C. G., M.Sc., M.D., F.R.C.P. (Hæmatology) Lectr. and Asst. Dir. of Hæmatol. Sub-Dept.
Wade, H. J., B.Sc., M.D. Hon. Clin. Lectr.
Greenberg, M. J., M.A., M.B., B.Chir. Camb. Hon. Clin. Lectr.
Oelbaum, M. H., B.Sc., M.D. Hon. Clin. Lectr.
Oleesky, S., M.D. Wash., M.Sc., M.B., Ch.B. Hon. Clin. Lectr.
Macartney, D. W., M.D., D.P.H. Belf. (Med. for Dent. Students) Clin. Lectr.
Wade, E. G., B.Sc., M.D. (Cardiol.)
Emery, E. W., B.Sc. Lond. (Med. Phys.).

Stratton, F., B.Sc., M.D., D.P.H. (Human Serol.) Sp. Lectr.
Roscoe, Margaret H., B.Sc., Ph.D. Lond., M.B., Ch.B. Res. Asst
Dodwell, Beatrice (Nursing Technique) Demr.

Neurology

Ferguson, F. R., M.D., D.P.H., F.R.C.P. Reader.
Smyth, G. G. E., M.D., F.R.C.P. (Med. Neurol.) Lectr.
Liversedge, L. A., M.D. Duke, B.A., B.Sc., M.B., Ch.B. (Med. Neurol.) Lectr.

Neurology, Experimental

Stopford, Sir John, Sc.D. Dub. and Camb., D.Sc. Leeds, LL.D. Liv., M.D., LL.D, F.R.C.P, F.R.S. Prof.

Neuro-Surgery, v. Surgery

Obstetrics and Gynæcology

Morris, W. I. C, M.B., Ch.B. Edin., M.Sc., F.R.C.S.Ed., F.R.C.O.G. Prof. and Dir. of Dept.
Langley, F. A., M.Sc., M B., Ch B. (Sp. Pathol.) Sr. Lectr.
Walker, A. H. C. Sr. Lectr

Clinical Lecturers

Bailey, K. V., M.C., M.D., F.R.C.O.G.
Hunter, J. W. A., M.D. Edin., F.R.C.O.G.
Gerrard, E. A., M.D., F.R.C.O.G.
Newton, R., M.D., F.R.C.O.G.
Liebert, Katharine I., B.Sc., M.B., Ch.B., F.R.C.S.

Lecturers

Smith, J. A. McC., M.D. Aberd.
Burslem, R. W., M.D. Hon. Clin. Lectr.
Hartley, J. B., M.D. Durh., D.M.R.E. Camb., F.F.R. (Radiol., also Child Health) Sp. Lectr.

Assistant Lecturers

Rickards, C. E. B., M.B., Ch.B., F.R.C.O.G.
Racker, D. C., M.B., Ch.B, F.R.C.S.Ed., F.R.C.O.G

Occupational Health

Lane, R. E., M.D. Lond., M.Sc., F.R.C.P. Nuffield Prof.
Schilling, R. S. F., M.D., D.P.H. Lond. Reader.

Lecturers

Goldblatt, M. W, B.Sc., M.D., B.A.O. Belf., Ph.D. Lond.
Bedford, T., D.Sc., Ph.D. Lond.
Davis, S. B., M.A., B.M., B.Ch. Oxon.
Heron, A, Ph.D., Dip.Psych. Lond., M.Sc.
Murray, R., B.Sc., M.B., Ch.B. Glas., D.P.H., D.I.H.
Kench, J. E., Ph.D., D.Sc. Brist., M.B., Ch.B., F.R.I.C. (Biochem.).
Hughes, J. P. W., T.D., M.D., D.P.H. Lond.
Logan, R. F. L., M.D. Belf., D.I.H. (also Soc. and Prev. Med.) Hon. Lectr.
Goodman, Nancy M., B.Sc. Lond. Res. Asst.

Ophthalmology

Duthie, O. M., M.D., F.R.C.S. Reader.
Stanworth, A., B.Sc., M.B., Ch.B. Sheff., Ph.D., D.O.M.S. Sr. Lectr.
Smith, J. L. S., B.A., M.B., B.Chir. Camb., D.O.M.S. (Ophthalmic Pathol.) Lectr.
Naylor, E. J., M.Sc. Tech., Ph.D. (Ophthalmic Optics) Res. Asst.

Hon. Clin. Lectrs.

Janus, F., B.Sc., M.D.
Scott, A. S., M.B., Ch.B. Glas., D.O.M.S., F.R.C.S. Ed.
Smith, S. B., D.O.M.S.

Otolaryngology, v. Surgery

Pathology and Path. Anat., v. also Obstetrics and Gynæcol., Ophthalmol. and Surg.

Campbell, A. C. P., M.B., Ch.B. Edin., M.Sc., F.R.C.P.Ed. (Pathol. and P. Anat.) Procter Prof.

Whitehead, R., D.Sc., M.D. Reader.

Fairbrother, R. W., D.Sc., M.D., F.R.C.P. (Clin. Pathol.) Hon. Reader.

Golberg, L., D.Sc. Rand, D.Phil. Oxon., B.A., M.B., B.Chir. Camb., F.R.I.C. (Chem. Pathol.) Sr. Lectr.

Langley, F. A., M.Sc., M.B., Ch.B. (Special Pathol.) Sr. Lectr.

Ball, J., B.Sc., M.D. (in Dept. of Rheumatol.) Sr. Lectr.

Lecturers

Lempert, H., M.Sc., M.D. (Clin. Pathol.) Hon. Lectr.

Varley, H., M.Sc. (Clin. Pathol.) Hon. Lectr.

Jennison, R. F., M.D. Lond. (Clin. Pathol.) Hon. Lectr.

Davson, J., M.B., B.S. Lond. Hon. Sp. Lectr.

Smith, J. L. S., B.A., M.D. Camb., D.O.M.S.(Ophthalmic Pathol.) Lectr.

Burne, J. C., M.A., M.D. Camb. Lectr.

Yates, P. O., M.B., Ch.B. (Neuro-Pathol.) Lectr.

Smith, J. P., M.B., Ch.B. Lectr.

Paget, G. E., M.B., B.S. Durh., D.C.H. Lectr.

Assistant Lecturers

Jackson, F. B., M.B., Ch.B. (Clin. Pathol.) Hon. Asst. Lectr.

Coburn, J. G., B.Sc., M.D. (Dermatol., Histo-Pathol.) Hon. Asst. Lectr.

Lodge, Kathleen V., M.D.

Baker, H. de C., M.B., Ch.B.

Woodcock, R. C., M.B., Ch.B. Leeds.

Demonstrators

Nicol, A., M.B., Ch.B. Aberd.

Wade-Evans, T., B.Sc. Wales, M.B., B.S. Lond.

Scott, J. E., M.Sc.

Pharmacology, Mat. Med., Therapeutics and Pharmacy

Macdonald, A. D., M.A., M.D. Edin., M.Sc. (Pharmacol., Mat Med. and Therapeutics) Leech Prof.

Brindle, H., B.Sc. Lond., M.Sc., F.R.I.C. (Pharmacy) Prof.

Bullock, K., M.Sc., Ph.D., F.R.I.C. (Pharmaceut. Chem.) Reader.

Lecturers

Bedford, T. H. B., M.Sc., M.B., Ch.B. Leeds, D.Sc. (Pharmacol.).

Roberts, Ivy, M.Sc. (Pharmacy).

Melville, C., B.Pharm. Lond., Ph.D. (Pharmacy).

Rigby, G. J., B.Sc. Lond., M.Sc., Dip.Bact. (Pharmacy).

Jackson, H., M.Sc., M.B., Ch.B., Ph.D. (Exper. and Radiation Therapeutics) Hon. Lectr.

Assistant Lecturers

Woodhead, H. B., M.Sc. (Pharm.).

Bellis, D. M., B.Sc. (Pharm.).

Tallentire, A., M.Sc. (Pharm.) Demr.

Thomas, W. G., B.Sc. (Pharm.) Demr.

Preventive Medicine, v. Social and Prev. Med.

Psychiatry

Anderson, E. W., M.D. Edin., M.Sc., D.P.M., F.R.C.P. Prof. and Dir. of Dept.

Trethowan, W. H., M.A., M.B., B.Chir. Camb., D.P.M. Sr. Lectr.

Lecturers

Kitching, E. H., M.D. Leeds, D.P.M.

Markowe, M., M.D., D.P.H. Lond., D.P.M.

Crowe, P. M., M.B., Ch.B., D.P.M. (Mental Diseases).

Cormack, G. A., B.Sc., M.B., Ch.B. Glas. (Criminal Psychiatry).

Kenna, J. C., M.A. Calif., B.A. Syd., B.Ed. Melb. (Clin. Psychol.).

Blair, R. A., M.B., Ch.B. Glas., F.R.F.P.S. Glas. (Clin. Psychiatry).

Malloy, T. R., M.D. Belf., D.P.M. (Child Psychiatry).

Mather, N. J. de V., M.A. Oxon., M.B., Ch.B., D.P.M.

Thomas, D. H. H., B.Sc. Wales, D.P.M. (Mental Deficiency).

Rose, D. J. (Mental Diseases) Sp. Lectr.

Wadsworth, W. V., B.Sc., M.B., Ch.B., D.P.M. Asst. Lectr.

Young, R. M., M.B., Ch.B., Dip.Psych. Edin. (Mental Diseases) Asst. Lectr.

Tutors (Psychiatric Social Workers' Course)

Irvine, May, B.A. Liv.

Hamilton, Marian W., B.A. Lond. and Oxon.

Radiology, v. also Physics

Gray, E. D., M.A., M.D. Aberd., D.M.R.E. Camb., F.F.R. Lectr.

Reid, R. G., M.B , Ch.B., D.M.R.E. Liv., F.F.R. Asst. Lectr.

Locke, G. B., M.B., Ch.B. Asst. Lectr.

Radiotherapy

Paterson, J. R. K., C.B.E., M.C., M.D. Edin., D.M.R.E. Camb., F.R.C.S., F.F.R. Clin. Lectr.

Easson, E. C., M.B., Ch.B. Glas., F.F.R. Asst. Lectr.

Dobbie, J. L., B.A., D.M.R.E. Camb., M.B., Ch.B. Edin., F.F.R. Asst. Lectr.

Tutors

Gibson, J. M. W., B.Sc., M.B., Ch.B. Glas.

Bratherton, D. G., B.A., M.B., B. Chir. Camb., D. M. R. T., F.F.R.

Gibb, R., M.B., Ch.B. Aberd., D.M.R.T., F.F.R.

Warrington, H. C., M.B., Ch.B., D.M.R.T., F.F.R.

Rheumatic Disease, v. Medicine and Pathology

Social and Preventive Medicine

Brockington, C. F., M.A., M.D., D.P.H. Camb. Prof. and Dir. of Dept.

Logan, R. F. L., M.D. Belf., D.I.H. (Soc. Med.) Reader.

Lecturers

Gawne, S. C., M.D. Lond., D.P.H. Liv., D.C.H. (Pub. Health Admin.).

Brown, C. Metcalfe, M.D. Glas., D.P.H., F.R.San.I. (Prev. Med.).

Johnson, A. (v. also *Town and Country Planning*) (Pub. Health Engin.).

Burn, J. L., M.D., D.Hy., D.P.H. Durh. (Pub. Health).

Hajnal-Kónyi, J., B.A. Oxon. (Med. Statistics) Lectr.

Surgery

Boyd, A. M., M.B., B.S. Lond., M.Sc., F.R.C.S. Prof. and Dir. of Dept.

Lambert, V. F., M.D., Ch.M., F.R.C.S. (Otolaryngol.) Prof. and Dir. of Dept. of Otolaryngol.

Lecturers

Sutherland, D. McK., M.D., F.R.C.S.

Graham Bryce, A., M.D., D.P.H., F.R.C.S.
Newell, R. L., M.D., F.R.C.S.
Holt, R. L., O.B.E., M.D., F.R.C.S.
Simmons, H. T., B.Sc., M.D., Ch.M., F.R.C.S.
Nicholson, W. F., M.A., M.D., M.Chir. Camb., F.R.C.S.
Scotson, F. H., M.B., B.S. Lond., M.B., Ch.B., F.R.C.S. (Surg. for Dental Students)
Lectr. and Clin. Lectr.
Tutton, G. K., Ch.M., F.R.C.S. (Neuro-Stg.).
Johnson, R. T., O.B E , M.A., M.B., B.Chir. Camb., F.R.C.S. (Neuro-Surg.).
Griffiths, D. Ll., M.B.E., B.Sc., M.B., Ch.B., F.R.C.S. (Orthopæd. S.).
Charnley, J., B.Sc., M.B., Ch.B., F.R.C.S. (Orthopæd. S.)
Clin. Lectr.
Wright, J. K , B.Sc., M.B., Ch.B., F.R.C.S. (Orthopæd. S.).
Sayle-Creer, W., M.B., M.Ch. Orth. Liv., F.R.C.S. (Orthopæd. S.) Hon. Clin. Lectr.
Lawson, H. P., F.R.C.S.Ed., D.L.O. (Otolaryngol.).
Harrison, K., M.B., Ch.B., D.L.O., F.R.C.S. (Otolaryngol.).
Young, N. A. J., M.B., Ch.B., F.R.C.S. Ed. (Otolaryngol.).
Wilson, D. S. P., M.A., M.B., M.Ch., B.A.O. Dub., F.R.C.S., F.R.C.S.I. (Urological S.).
Heslop, T. S., M.B., Ch.B., F.R.C.S. Hon. Clin. Lectr.
Jelly, G. O., M.A., M.Ch. Oxon., F.R.C.S. Hon. Clin. Lectr.
Nicholson, W. A. B., B.Sc., M.B., Ch.B., F.R.C.S.
Hon. Clin. Lectr.
Rose, S. S., M.B., Ch.B., F.R.C.S.
Hon. Clin. Lectr.
Moore, T., M.S., M.D. Durh., F.R.C.S. Hon. Clin. Lectr.
Bloor, K., M.D. Res. Asst.

Surgical Pathology, v. Surgery

Tuberculosis

Robinson, W., M.C., M.D. Leeds
Clin. Instr.
Wilson, T. McS., M.C., M.B., Ch.B.
Clin. Instr.

Venereal Diseases

Clinical Instructors

Davey, A. C. C., M.B., Ch.B.
Watt, L , M.D. Aberd.

Technology

Bowden, B. V., M.A., Ph.D. Camb., Principal of Coll. of Technol. and Dean of Fac.

Building Construction

McKay, W. B., M.Sc. Tech.
Hd. of Dept. and Dir. of Labs.
Merchant, W., M.A. Oxon., S.M. M.I.T. (Appl. Mech.) Reader.
Wilson, A. V., M.Sc. Tech.
Sr. Lectr.

Lecturers

McDonald, J. R. A.
Dilworth, R.
Bowles, R. E., B.Sc. Tech.
Garrett, C. H., B.Sc. Tech.
Stirrup, N.
Barnes, V. C.
Boucher, C. T. G., M.Sc. Tech.
Thomas, N. (Structl. Engin.).
Morris, W., B.Sc. (Eng.) Lond. (Structl. Engin.).
McMinn, S. J., M.Eng. Liv. (Structl. Engin.).
Harwood, T. A. (Quant. Surveying).
Smith, R. B. L., B.Sc. Tech. (Structl. Engin.).
McBeath, J. G., F.R.I.B.A.
Sp. Lectr.
Robinson, J. L. (Structl. Engin.).
Asst. Lectr.

Chemistry, Applied

Rydon, H. N., Ph.D., D.Sc. Lond., D.Phil. Oxon., F.R.I.C., D.I.C. (Chem.)
Prof. and Dir. of Labs.

Walker, T. K., D.Sc., Ph.D., F.R.I.C. (Fermentation Processes) Reader.
Neale, S. M., M.Sc. Liv., D.Sc. (Macromolecular Chem.) Reader.

Senior Lecturers

Howell, O. R., B.Sc. Wales, Ph.D. Camb., Wales and Zür., D.Sc., F.R.I.C. (also Asst Dir. of Labs.).
Baddeley, G., M.Sc., Ph.D. Sheff., D.Sc., F.R.I.C. (Org. C.).
Storrow, J. A., M.Sc. Tech., Ph.D., D.Sc. (Chem. Eng.).
Burawoy, A., Dr.phil. Leipzig, D.Sc. (Col. Matters).
Ward, A. F. H., B.Sc. Lond., M.A., Ph.D. Camb., F.R.I.C. (Phys. Chem.).

Lecturers

Handford, C., M.Met. Sheff., F.I.M. (Metall. and Assaying).
Tickle, W. H. F., M.Sc. Lond., B.Sc. Glas., F.R.I.C. (Chem Engin.).
Spooner, C. E., M.Sc. Tech. Sheff., F.R.I.C. (Fuel Technol.).
Holt, G., M.Sc. Tech., Ph.D. (Org. Chem.).
Kakabadse, G. J., Dipl. ing. Technische Hochschule, Berlin (Chem.).
Cardwell, D., M.Sc., B.Com., F.R.I.C. Sp. Lectr.
Potter, O. E., M.App.Sc. Q'ld,. M.Sc. Lond. (Chem. Engin.).
Hancock, A., M.Sc. Tech., F.R.I.C.
Bullock, G., B.Sc. Durh., M.Sc. Tech., Ph.D. (Metall.).

Assistant Lecturers

Hall, A. N., M.Sc. Tech., Ph.D.
Bartindale, G. W. R., M.A., B.Sc., D.Phil. Oxon. (Phys. C.).
Hall, H. T., B.Sc. Tech. (Metall.).
Maxwell, R. W., B.Sc. Lond. (Chem. Engin.).
Crowder, M. M., M.Sc. Tech. (Chem.).
Crofts, P. C., B.Sc., Ph.D. Lond. (Chem.).
Arnold, B. H., M.Sc. Tech. (Fermentation Processes).
Spinner, E., M.Sc. Tech. (Col. Matters).
Smith, N. H. P., M.Sc. Tech., Ph.D. (Chem.).
Thompson, A. R., B.Sc. Tech.

Demonstrators

.....
Abson, J. W., M.Sc. Tech.
Jackson, C. P., B.Sc. Tech.
.....
Pickles, W., B.Sc. Lond., M.Sc. Tech.
.....
Davies, B. L., B.Sc. Tech. (Metall.).
.....
Heaton, J. S., B.Sc. Tech. (Chem.)
Riley, G. A., B.Sc. Tech (Chem. Engin.).

Chemistry, Textile

..... Hd. of Dept., Dir. of Labs.
Barkas, W. W., D.Sc. Lond., B.Sc., F.I.P. (Papermaking Technol.) Reader.
Preston, J. M., D.Sc. Liv., F.R.I.C., F.T.I Sr. Lectr.

Lecturers

Turner, H. A., M.Sc. Sheff., F.R.I.C., F.T.I.
Egerton, G. S., M.Sc., Ph.D. Lond., F.T.I.

Assistant Lecturers

Johnson, Alan, M.Sc. Tech.
Faichney, P. (Paper Manuf.).

Engineering, Electrical

Bradshaw, E., M.B.E., Ph.D. Glas., M.Sc. Tech. Prof. and Dir. of Labs.
Glynne, A., M.A. Camb. (Elect. Measurements) Sr. Lectr.

Lecturers

Barratt, N. M., M.Sc. Tech.
.....

Hancock, N. N., B.Sc. (Eng.) Lond., M.Sc. Tech.
Willis, J., B.Sc. (Eng.) Lond.
Lees, A. B., M.Sc. Tech., Ph.D.
Adamson, C., M.Sc. Lond.
Venning, B. H., B.Sc. Lond.
Pickering, E. N., M.Sc. Tech.
Attree, V. H., B.Sc. (Eng.) Lond.
Cutteridge, O. P. D., M.Sc. (Eng.) Lond.
Jackson, W. D., B.Sc. Glas. Asst. Lectr.

Engineering, Mechanical

Baker, H. Wright, D.Sc. Prof. and Dir. of Labs.
Lamble, J. H., M.Eng., Ph.D. Liv., D.Sc. Sr. Lectr.
Bevan, T., M.Sc. Tech. Sr. Lectr.

Lecturers

Cantle, G. S., B.Sc. Durh., M.Sc. Tech., Ph.D.
Johnson, E., B.Sc. Edin.
Koenigsberger, F., Dipl. Ing. Berl., M.Sc. Tech., D.Sc.
Gill, S. S., M.Sc. Tech., Ph.D.
Furber, B. N., M.Sc. Tech., Ph.D.
Hatton, A. P., M Sc. Tech.
Schiffer, G. R., B.Sc. (Eng.) Lond.
Parker, J., B.Sc. Tech.
Royle, J. K., B.Sc. Tech.

Assistant Lecturers

Kettlewell, J., B.Sc.
Heginbotham, W. B., M.Sc. Tech.
Green, H. W., M.Sc. Tech.

Engineering, Municipal

Cornish, R. J., M.Sc., F.R.San.I. Prof. and Dir. of Labs.

Lecturers

Johnson, A., M.Sc. Durh., F.R.San.I., F.I.S.E.
Morgan, E. Ll., B.Sc. Wales, M.Sc. Tech., F.R.San.I.
Tait, G. B., B.Sc. Edin.
Spencer, E., M.Sc. Tech.
Chisholm, D. S., M.Eng. Liv.
Hibbert, E. S., B.Eng. Liv.

Industrial Administration

Roberts, A., M.Com., Ph.D., F.I.I.A. Hd. of Dept.

Lecturers

Jenkins, G., M.Com.
Verity, T. E. A., M.Sc. Tech.
Fraser, J. A., M.A., B.Ed. Edin.
Dowdell, A., M.A. Oxon.
Wright, J. W., M.A. Camb.
Smith, P. L., M.A. Oxon.

Languages, Modern

Eaton, R. S., M.A., B.A. (Admin.) Lectr.
Jackson, H. S, M.A. Lectr.
Buxton, C. R., B.A. Lond., M.A. Asst. Lectr.

Mathematics

Bowman, F., M.A. Camb., M.Sc. Tech. Hd. of Dept.

Lecturers

Shenton, L. R., Ph.D. Edin., B.Sc.
Butler, R., M.Sc.
Bell, G M., M.A., D.Phil. Oxon.

Assistant Lecturers

Fagg, S. V., B.Sc. Lond., D.I.C.
Hogg, H. E., M.A. Camb.
Gartside, S., B.Sc. Liv.

Physics

Lipson, H. S, D.Sc. Liv., M.A. Camb., F.I.P. Hd. of Dept., Dir. of Labs.
Walmsley, H. P., D.Sc., F.I.P. Sr. Lectr.

Lecturers

Edmunds, I. G., M.Sc., Ph.D. Wales.
Hargreaves, A., B.Sc., M.Sc. Tech., Ph.D., F.I.P.
Steeple, H., B.Sc. R'dg.
Fowweather, F., B.Sc., Ph.D.
Taylor, C. A., B.Sc. Lond., Ph.D.
Peskett, Jean M., B.Sc. Glas. Asst. Lectr.

Textile Industries

Morton, W. E., M.Sc. Tech., F.T.I. Prof. and Dir. of Labs.
Meredith, R., M.Sc. Sr. Lectr.

Lecturers
Chirnside, J. (Textile Design).
Taylor, J. S., M.Sc. Tech. (Spinning).
Essam, J. M., M.Sc. Tech., F.T.I. (Weaving).
Walker, P. H., B.Sc. (Eng.) Lond., Ph.D. (Textile Engin.).
Brunnschweiler, D., M.Sc. Tech. (Weaving).
Hearle, J. W. S., M.A. Camb., Ph.D.

Assistant Lecturers
Latham, A. M., M.Sc. Tech.
Duxbury, V., B.Sc. Tech.

Theology

Biblical Criticism and Exegesis
Manson, Rev. T. W., M.A. Camb., D.Litt. Glas., D.D. Glas., Durh. and Camb., Dr. de Stras., M.A., F.B.A.
Lecturers Rylands Prof.
Farr, Rev. G., M.A., B.D. (O.T.).
Meecham, Rev. H. G., B.A. Lond., M.A., D.D., Ph.D. (N.T.).

Christian Ethics
Preston, Rev. R. H., B.Sc. (Econ.) Lond., M.A. Oxon. Sp. Lectr.

Comparative Religion
Brandon, Rev. S. G. F., M.A., D.D. Leeds Prof.
Smith, Rev. D. H., B.A., B.D. Lond. Asst. Lectr.

Coptic
Till, W., Dr.phil. Vienna Sr. Lectr.

Ecclesiastical History
Dugmore, Rev. C. W., M.A., B.D. Oxon.
Bishop Fraser Sr. Lectr.
Robinson, Rev. W. G., M.A. Oxon., B.A. Liv., B.D., Ph.D. Lectr.
Flitcroft, Rev. J., M.A. Lectr.

Hellenistic Greek
Zuntz, G., Dr.phil. Marburg Sr. Lectr.

History of Doctrine
Lecturers
Holt, Rev. R. V., M.A., B.Litt. Oxon.
Phillips, Rev. G., M.A. Oxon., B.D.
Dykes, Rev. K. C., M.A., B.D.
Scott, Rev. P., B.D. Lond., D.Theol. Marburg.
Wilkinson, Rev. J. T., M.A. Birm., B.A., B.D.

Philosophy of Religion
MacIntyre, A. C., B.A. Lond., M.A. Lectr.

Semitic Studies
Rowley, Rev. H H., M.A. Brist., B.Litt. Oxon., D.D. Lond., Durh. and Wales, Theol.D. Uppsala, LL.D. McM., D.Theol. Zür., M.A., F.B.A. (Hebrew Lang. and Lit.)
Dean, Fac. of Theol., Prof.
Weis, P. R., L. en Phil. et Hist. Or. Louvain, M.A. (Post-Biblical Jewish Studies)
Laski Sr. Lectr.

Assistant Lecturers
Wernberg-Møller, P., cand. theol. Copenhagen (Semitic Langs. and Lits.).
Allegro, J. M., M.A. (Comp. Semitic Philol.).

School of Education

Myers, Sir J. E., O.B.E., D.Sc. Dir.

Lecturers
Langan, I. Winifred, Dip.Psych. Lond., Ph.D. R'dg. (Child Psychol.).
Holmes, J. M., Dip. Fine Art Lond.
Hoole, Mary W., B.A. Lond.
Winstanley, Gertrude M.
Hughes, Gwen E., M.A. Camb.
Langford-Jones, Winifred.
Martin, Joyce, B.A. Lond.
Philbert, Rev. Bro., B.Sc. N.U.I.

Augustine, Rev. Bro., M.A. Camb.
White, O., B.Litt. Oxon., M.A. (Com.), M.Ed.
Wrigley, Mrs. Hilda M., M.A. Camb.
Body, A. H., O.B.E., B.A. Lond., M.Ed.
Preedy, Lucy G., M.A. Brist.
Hoskins, Ianthe H., M.A. Lond.
van Straubenzee, Joyce H.
Whitfield, Elsie, M.Sc. Leeds, M.Ed. Durh.
Haigh, Shirley S., B.Sc. Lond.
Hudson, Jessie, M.A. Liv.
Gregory, D. L., M.A. Camb.
Myres, C. J. H., B.A. Liv.
Pawley, G. C., M.A., B.Sc. Lond.
Wood, Mary D., M.A., B.Sc. St. And.
Coleclough, F. T.
Mackay, Mary H.
Mellor, Edna.

Lectures in the School will also be given by the Profs. and Lectrs. in the Depts. constituting the Fac. of Education (v. *supra*).

Extra-Mural Department

Director of Extra-Mural Studies—R. D. Waller, M.B.E., M.A.

Deputy Director—W. E. Styler, M.A. Birm.

Senior Staff Tutor—H. C. Sherwood, M.A. Birm.

Staff Tutors—O. Ashmore, M.A. Camb.; F. W. Chandler, M.A. Lond.; C. W. Davies, B.A. Lond.; D. Garside, B.A.; R. M. Grant, M.A. Camb.; N. Hampson, M.A. Oxon.; I. W. Hughes, LL.B. Wales; D. C. Jones, M.A. Wales; J. C. L. Malpass; Barbara M. Moor, Mus.B.; R. Ruddock, B.Sc. (Econ.) Lond.; A. Wilson, M. A. Glas., D.Phil. Oxon.

ADMINISTRATIVE AND OTHER STAFF

ADVISER TO WOMEN STUDENTS. Margaret L. M. Young, M.A. St. And., L. ès L. Paris, Ph.D. Warden for Women Students in lodgings: .....

ASSISTANT TO THE VICE-CHANCELLOR. G. N. Burkhardt, M.Sc., Ph.D., F.R.I.C.

REGISTRAR'S DEPARTMENT. Asst. Registrar: F. P. Walton, B.Com.; Sec. for Examinations: D. S. W. Lumb, M.A. Oxon.; Chief Asst.: G. H. Ashworth, M.A. Camb.; Admin. Assts.: E. E. Temple, B.A. Birm., A. M. Currie, B.A. Wales, B.Litt. Oxon., A. Davies, M.A. Wales; Officer for Men Students in lodgings: H. Swales-Smith; Personal Asst., Norah M. Jackson.

BURSAR'S DEPARTMENT. Finance Officer: J. Hanson, B.A. (Com.); Chief Admin. Officer: D. G. H. Cannon, D.P.A.; Buildings Officer: J. Butterworth; Cashier: C. E. Dukinfield; Personal Asst.: E. A. Cummins, M.A. Oxon.; Admin. Assts.: T. N. L. Brown, M.A. Camb., H. Kent, M.A. Camb.; Asst. Buildings Officers: E. Smith, H. Thomas; Book-keeper: Alice Allan.

UNIVERSITY LIBRARY. Deputy Librarian: S. Roberts, M.A. Leeds; Sr. Asst. Librarian: F. D. Hodgkiss, M.A.; Chief Cataloguers: K. G. D. Cave, B.A., L. Galpin, B.A.

MEDICAL LIBRARY. Librarian: G. Wilson.

MUSEUM. Keeper: R. U. Sayce, M.A. Wales and Camb., M.Sc.

UNIVERSITY PRESS. Chairman of Press Cttee.: Prof. H. B. Charlton, C.B.E., M.A., Litt.D. Leeds, Dr. de Dijon, M.A. Sec.: T. L. Jones, B.A. Oxon.

UNIVERSITY SCHOOL OF EDUCATION. Dir.: Sir J. E. Myers, O.B.E., D.Sc. Sec.: A. E. G. Roberts, B.A., B.Sc. Wales. Admin. Asst.: G. R. Tyler, B.A.

FACULTY OF ECONOMIC AND SOCIAL STUDIES. Sec.: Helen M. Hall, B.A. (Admin.).

FACULTY OF EDUCATION. Clerk: T. W. Owen; Admin. Asst.: L. Ball, M.A.

EXTRA-MURAL DEPARTMENT. Dir. of Extra-Mural Studies: Prof. R. D. Waller, M.B.E., M.A. Admin. Asst.: Hazel Fletcher.

APPOINTMENTS BOARD. Joint Secs.: J. D. Culverwell, M.A. Oxon.; Mary I. Robinson, M.A. Glas.

STAFF OFFICER. H. D. C. McLeod, M.A. St. And.

UNIVERSITY MEDICAL OFFICER. R. F. L. Logan, M.D. Belf.

CONVOCATION. Chairman: Mabel Tylecote, B.A., Ph.D.; Clerk: R. F. Leslie, M.A.

ASSOCIATED COLLEGES

The COLLEGE OF TECHNOLOGY,* Sackville St., Manchester, 1 (*Telephone*: Manchester, Central 3624), became connected with the Univ. of Manchester in 1905 in the Fac. of Technol. (*see* pp. 411-414), the greater part of the work of which is conducted in the Coll., whose Principal is Dean. From 1934 recognized for B.Sc. (Eng.) degree for external students of London Univ. The Coll. publishes *Prospectuses* for each dept. Principal: B. V. Bowden, M.A., Ph.D. Camb.; Registrar: J. Burgess.

Recognized for External Lectures in Theology: MANCHESTER BAPTIST COLLEGE, Brighton Grove, Rusholme, Manchester, 14 (*Telephone*: Manchester, Rusholme 1131); HARTLEY VICTORIA METHODIST COLLEGE, Alexandra Road South, Alexandra Park, Manchester, 16 (*Telephone*: Manchester, Chorlton 3593); LANCASHIRE INDEPENDENT COLLEGE, Whalley Range, Manchester, 16 (*Telephone*: Manchester, Chorlton 5632); MORAVIAN COLLEGE, Fairfield, Manchester (*Telephone*: Manchester, Droylsden 1444); UNITARIAN COLLEGE, Daisy Bank Road, Victoria Park, Manchester, 14 (*Telephone*: Manchester, Rusholme 1016).

Recognized for instruction in Maths., Physics, Chem., and Biol. up to Inter. standard for B.Sc. and B.Sc. Tech.: the HARRIS INSTITUTE, Preston, Lancs. (*Telephone*: Preston 4016).

For third year of B.Sc. Tech. course in Metal Mining (at present discontinued): the CAMBORNE SCHOOL OF METALLIFEROUS MINING, Camborne, Cornwall (*Telephone*: Camborne 2167).

GENERAL INFORMATION

Owens College, named after a Manchester merchant who bequeathed £96,000 for its foundation, was opened in 1851. The Manchester School of Medicine was united with it in 1872. The Charter of 1880 by which the Victoria Univ. was founded established a federal constitution and made Owens a constituent Coll. of the Univ. Subsequently Univ. Coll., Liverpool, and Yorkshire Coll., Leeds, were admitted as constituent Colls. A new Charter was issued on July 15, 1903, reconstituting the Univ. under the name of the Victoria

* Additional Member of the Association of Universities of the British Commonwealth.

Univ. of Manchester and freeing it from liability to admit or remain in association with any Coll. other than Owens, and on June 24, 1904, the Act for the incorporation of Owens College with the Univ. was passed. In 1905, on the establishment of the Faculty of Technology, the work of Univ. standard at the Municipal School (now College) of Tech. was included in the Univ.

Most of the buildings erected from time to time during the past 50 years are situated in the city. The building for Clinical Sciences is ½ mile distant, adjoining principal hospitals. The main athletic grounds are at Fallowfield (30 acres), about 1½ miles distant, and at Wythenshawe (50 acres), about 3 miles distant. Darbishire House (health centre) is ¾ mile distant.

CONSTITUTION. The governing body of the Univ. is the Court of Governors, whose executive committee is the Council: the Senate, which consists of all the Profs. of the Univ., regulates academic matters. Faculties are controlled by their own boards within the authority granted by Senate and Council. The Chancellor presides over the Court, the Council elects its own Chairman, the Vice-Chancellor presides over the Senate.

INCOME (year ended July 31, 1953). Total Income, £1,334,183 (Treasury grants, 75 per cent.; fees, 12 per cent.; other Govt. depts., 2·8 per cent.; endowments, 5·1 per cent.; local authorities, 2·3 per cent.; other items, 2·8 per cent.)

LIBRARIES. The main library (over 420,000 vols.) is housed in two divisions. The books concerning the Arts and allied faculties are placed in the new building (completed in 1936). The books on scientific subjects remain in the old (Christie) building, which also contains the Library of the Manchester Museum. The library includes the private collections of Profs. Freeman, Stanley Jevons, Alexander and Gordon and Dr. Christie. Scientific periodicals are taken in by the Univ. in co-operation with the Manchester Literary and Philosophical Society, so that between them all the most important are available for both. The Medical Society's and the Radford Library (over 98,200 vols.) are housed in the Med. School, and available for students. The Library for Deaf Education (over 8300 vols.) is available to all interested in the educn. of the deaf. The John Rylands Library in Manchester includes the famous Althorp Library and the Crawford MSS. It contains one of the most important collections of early printed books and Bibles in existence, many first editions of English and foreign classics, and rare bindings. The MSS., both Eastern and Western, are notable for their fine examples of calligraphy and illumination and for their many important texts, on papyrus, parchment and other materials. In addition there is an extensive collection of charters, manorial and legal records and family muniments relating to almost every county in England. The ancient Chetham Library (65,000 vols.) has valuable mediæval MSS. and printed books of 17th and 18th centuries and specializes in local history and topography. The Municipal Reference Library (432,000 vols.) is a valuable collection of books and periodicals, which includes a Technical and Science Library of 84,000 vols., 28,500 of these consisting of British, American and Dominions patent specifications. One of the most important Special Reference Collections deals with British Parliamentary Papers from 1833, with a considerable number of an earlier date. The College of Technology Library (over 33,000 vols.) is devoted to applied science and technology and receives over 350 journals, of which more than half are filed permanently.

TEACHING HOSPITALS. Manchester Royal Infirmary; St. Mary's Hospitals for Women and Children; Manchester Royal Eye Hospital; Manchester and Salford Hospital for Skin Diseases; Royal Manchester Children's Hospital;

Christie Hospital and Holt Radium Institute; Manchester Chest Clinic; Withington Hospital; Crumpsall Hospital; Ancoats Hospital; Salford Royal Hospital; Duchess of York Hospital for Babies; Booth Hall Children's Hospital.

LABORATORIES, ETC. Ample equipment for advanced study and research in all departments. Outstation for physical research at Jodrell Bank in Cheshire; lab. for fluid motion research at Barton aerodrome. Experimental Grounds for Hortic. in Manchester and outstation in Cheshire. The *Manchester Museum*, forming part of the Univ. buildings, and containing among other special depts. the Flinders Petrie Egyptol. Collection, is utilized for Univ. teaching in Zool., Bot. and Geol.; it is also used for systematic instruction of school children.

OBSERVATORY. The University Meteorological Observatory, Whitworth Park, Manchester (Observer: P. H. Walker).

SCHOOL OF EDUCATION. An area training organization with the following constituent trg. colls.: Bolton Training College, Manchester Rd., Bolton (*Telephone*: Bolton 5110); Charlotte Mason College, Ambleside, Westmorland (*Telephone*: Ambleside 2168); De La Salle Training College, Hopwood Hall, Middleton, Lancs. (*Telephone*: Middleton 2738); Didsbury Training College, Wilmslow Rd., Manchester, 20 (*Telephone*: Manc., Didsbury 1054); College of Housecraft, High St., Manchester 13 (*Telephone*: Manc., Rusholme 4446); Manchester Training College, Long Millgate, Manchester, 3 (*Telephone*: Manc., Blackfriars 7745); Padgate Training College, Fearnhead, nr. Warrington (*Telephone*: Warrington 2671); Sedgley Park College, Prestwich, Lancs. (*Telephone*: Prestwich 2362); Regional College of Art, All Saints, Manchester, 15 (*Telephone*: Manc., Ardwick, 3480).

FACULTIES, DEANS AND TUTORS. (1) Arts [including School of Architecture], *Dean*: Prof. R. Peacock (German), *Tutor*: J. Marks (French); (2) Science, *Dean*: Prof. H. Brindle (Pharm.), *Sr. Tutor*: Dr. G. N. Burkhardt (Chem.); (3) Law, *Dean*: Prof. R. A. Eastwood (Eng. Law), *Tutor*: J. A. Hornby (Artic. Clerks); (4) Medicine [including Dentistry and Pharmacy], *Dean*: Prof. W. Schlapp (Physiol.), *Tutor*: Dr. J. N. Mills (Physiol.); *Dean of Dental School*, Prof. H. G. Radden (Dent. Surg.), *Tutor to Dental Students*: J. Miller (Ch. Dent. and Prev. Dent.); (5) Music, *Dean*: Prof. R. A. C. Oliver (Educn.); (6) Economic and Social Studies, *Dean*: Prof. W. A. Lewis (Pol. Econ.), *Tutor*: J. Grundy (Govt.); (7) Theology, *Dean*: Prof. H. H. Rowley (Hebrew Lang. and Lit.); (8) Technology, *Dean*: Dr. B. V. Bowden; (9) Education, *Dean*: Prof. R. D. Waller (Adult Educn.).

ADMISSION. *See* Appendix I.

DEGREE COURSES. 3 yrs. (by sp. permission, grads. of other approved Univs., 2 yrs.)—B.A., B.A. (Theol.), B.A. (Mus.), B.Sc., LL.B., Mus.B., B.A. (Econ.), B.A. (Com.), B.A. (Admin.), B.D. (after Interm. courses in Arts), B.Sc. Tech.; 4 yrs.—B.A. (Hons. in Mod. Langs.—two langs.), B.Sc. (Hons. in Pharmacy); 5 yrs.—B.A. (Hons. in Archit. and Town and Country Planning); 5 yrs. and 1 term—B.D.S.; 6 yrs.—M.B., Ch.B. The B.A. (Com.) and B.A. (Admin.) courses can be completed by attendance on evening lectures during not less than 4 sessions.

The B.Sc. degree may be awarded with Honours in General Science (v. p. 13).

Hons. students of mod. foreign langs. may count attendance on approved courses for a term at a foreign Univ. as equivalent to attendance at Manc.

Minimum attendance in the Univ. for graduation—3 yrs., for Bachelorships in 2 Faculties—5 yrs.

HIGHER DEGREES. Open to Bachelors normally of 1 yr.'s standing—M.A., M.Sc., M.D.S., M.A. (Econ.), M.Sc. Tech.; 2 yrs.—LL.M. (1 yr. for persons who graduated LL.B. with Honours in the Univ.), M.D., D.D.S., M.Ed.; 4 yrs.—D.Sc., LL.D., Mus.D., D.D.; 5 yrs.—Ch.M. Open to Masters or Doctors of Philosophy of the Univ. only: Litt.D.

Open to graduates of other approved Univs. through research in Manc. during 2 (non-graduates 3) yrs.—M.A., M.Sc., LL.M., M.A. (Econ.), M.Sc. Tech., M.Ed. (3 yrs. for persons other than those who have gained Diploma in Education of Manc.). Graduates of other approved Univs. of 4 yrs.' (D.D. 6 yrs.') standing who have obtained the degree of Master or one substantially equivalent thereto and spent 2 yrs. in study or research in Manc. may qualify for the D.Sc., LL.D., D.D.

The Ph.D. differs from the Litt.D. and D.Sc. in requiring a definite course of study, and is of a lower standard, though higher than the M.A., M.Sc., and M.Sc. Tech. (v. p. 24).

DIPLOMAS. Bacteriology, Chem. Engineering, Statistics, International Law, Social Administration, Social Anthropology—1 yr. postgraduate; Educational Psychol., 1 yr., approved teachers or psychologists; D.P.H., 1 yr., for registered practitioners; D.P.M., 8 terms, for registered practitioners; L.D.S., 4 yrs. and 1 term; Architecture, 5 yrs.; Town and Country Planning, (*a*) 5 yrs.' full-time course, (*b*) 3 yrs. pt.-time or 1 yr. full-time after Certif. status; Education—2 yrs. pt.-time for graduates who have qualified as teachers after an approved course of training, 3 yrs. pt.-time for other graduates, 3 yrs. pt.-time for non-graduate qualified teachers.

CERTIFICATES. Psychiatric Social Workers, 1 yr.; Theol., 3 yrs.; Biblical Knowledge, 1 yr.; Tech. (Assoc. Coll. Tech.), 3 yrs.; Tech. (Distinction), 1 yr. after Cert. in Tech.; Indust. Admin., 1 yr. (grads. or holders of Cert. in Tech.); Graduate Cert. in Educn., 1 yr. (grads.); Teachers', 1 yr. (grads. also taking Cert. for Teachers of the Deaf); Cert. in Adult Educn., 1 yr. (grads. normally resident outside U.K.); Cert. for Teachers of the Deaf, 1 yr. (grads. and certificated teachers); Town and Country Planning, 2 yrs.

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II.

FEES. I. Tuition per session, including membership of Library, Students' Union and Athletic Union, except where otherwise stated (in Science, Medicine and Dentistry these fees include most lab. and microscope charges): B.A., £33 : 10s. (Hons. in Archit. or Town and Country Planning, first 3 yrs., £33 : 10s., 4th and 5th yrs. £25 : 10s.); B.Sc., £33 : 10s.-£53 : 10s.; LL.B., £33 : 10s.; M.B., Ch.B.—first 5 sessions, £47 : 10s., 6th session, £25 : 10s. (a fee for residence in St. Mary's Hospital is also payable); B.D.S., first 4 yrs. £68 : 10s.; 5th yr. £38 : 10s.; L.D.S., £68 : 10s.; Mus.B., approx. £71 : 10s., according to options selected; B.A. (Econ.), £33 : 10s.; B.A. (Com.) and B.A. (Admin.), day course, £33 : 10s., evening course, £30 : 10s. (not including Union membership); B.D., approx. £17, *plus* registration fee of 3 gs., which includes library and Athletic Union membership; B.Sc. Tech., £40-£60; Graduate Cert. in Educn., £44 : 0 : 6. II. Examination fees (for the course): Med., 32 gs.; Dent., 19 gs. Other first degrees, 4-6 gs. III. Graduation fees: Bachelor or Master, 8 gs.; Doctor, 5 gs. IV. Research fees: in Science, £7 : 10s.-£20 p.a., according to subject; in other Faculties, £7 : 10s.-£11 p.a.

STUDENT RESIDENCES. I. for men: Dalton Hall, Victoria Park, Manchester, 14 (*Telephone*: Manc., Rusholme 1952; Principal: G. A. Sutherland, M.A. Camb.), £160 for 31 weeks, 83 students; Hulme Hall, Victoria Park, Man-

chester, 14 (*Telephone*: Manc., Rusholme 1343; Warden: Rev. J. Flitcroft, M.A.), £135 for 30 weeks, 150 students; St. Anselm Hall, Victoria Park, Manchester, 14 (*Telephone*: Manc., Rusholme 1398; Warden: Rev. R. H. Preston, B.Sc. (Econ.) Lond., M.A. Oxon.), £138 for 31 weeks, 71 students; Lancashire Independent College, Whalley Range, Manchester, 16 (*Telephone*: Manc., Chorlton 5632; Principal: Rev. W. G. Robinson, M.A. Oxon., B.A. Liv., B.D., Ph.D.), from £135 per session: Unitarian College, Daisy Bank Road, Victoria Park, Manchester, 14 (*Telephone*: Manc., Rusholme 1016; Principal: Rev. R. V. Holt, M.A., B.Litt. Oxon.), £120 per session; Montgomery House, Alexandra Park, Manchester, 16 (*Telephone*: Manc., Moss Side, 3434; Wardens: R. F. Torrington, O.B.E., M.A., Mrs. Torrington, M.B.E.), £120 for 31 weeks, variable up to 60. II. For women: Ashburne Hall, Fallowfield, Manchester, 14 (*Telephone*: Manc., Rusholme 4351; Warden: Kathleen G. Gough, B.A.), £120 per session, approx. 205 students; Langdale Hall, Victoria Park, Manchester, 14 (*Telephone*: Manc., Rusholme 1385; Warden: Mrs. Phyllis M. White, B.A.), £120 per session, 40 students; Ellis Llwyd Jones Hall, Talbot Road, Old Trafford, Manchester, 16 (*Telephone*: Manc., Trafford Park 3166; Warden: Mrs. Irene M. Horsburgh, B.A.), £120 per session, 62 students; St. Gabriel's Hall, Victoria Park, Manchester, 14 (*Telephone*: Manc., Rusholme 1718); Warden: Sr. Maria Benigna, B.A.), £110 per session, 44 students. III. For medical students, men and women: Lister House, Nelson Street, Manchester, 13 (*Telephone*: Manc., Ardwick 2015; Warden: ....., compulsory residence during a period of 3 mos. in the 5th yr. of medical courses, at a charge of £45.

STAFF RESIDENCE. Donner House, Oak Drive, Fallowfield, Manchester, 14 (*Telephone*: Manc., Rusholme 1953), provides accommodation for 25 members of staff and senior research students at a charge varying from £81 to £136: 10s. p.a. plus an addtnl. charge of £1: 10: 11 per week in residence.

The UNIVERSITY UNION (men) and the WOMEN'S UNION occupy buildings on main University site, and provide social facilities for students. They adjoin the REFECTORY, the whole block having been extended and remodelled in 1937, when a STAFF HOUSE was also added. A further extension of the Refectory was opened in 1947.

CONVOCATION consists of all grads. since 1914 (earlier grads. admitted on payment of fee of 5s.). The duties and privileges of Convocn. include the election of the Chancellor of the Univ. District Groups (Manchester, London, Leeds, North-Western (Lancaster), Bristol, Isle of Man, Oxford) of Convocn. provide social and other facilities for graduates.

ADULT EDUCATION. Courses in Adult Educn. are conducted by the Dept. of Adult Educn. for students in training for the teaching profession, and in the evening for the general public. Under the auspices of the Jt. Cttee. for Adult Educn. the Extra-Mural Dept. provides facilities for Extra-Mural study at the Univ. and at other centres. Sub-Cttees. are concerned with the supervision of work in collaboration with the W.E.A., and with the Univ.'s Residential Coll. at Holly Royde, 30 Palatine Road, West Didsbury, Manchester 20 (*Telephone*: Manchester, Didsbury 4784). Tutorial classes, Extension courses, public lectures, residential courses, and other facilities for adult students are arranged.

APPOINTMENTS BOARD, 316-324 Oxford Road, Manchester, 13. The services of the Board are free and open to all students or graduates requiring posts or advice on careers.

UNIVERSITY MILITARY AND AIR FORMATIONS. (*a*) University Training Corps (T.A.), Commanding Officer: Major E. N. Ritchie. (*b*) University Company, W.R.A.C. (T.A.), Officer Commanding: Capt. M. Muldoon (W.R.A.C.). (*c*) University Air Squadron, R.A.F., Commanding Officer: S./Ldr. J. T. Collyer.

STUDENT HEALTH SERVICE. A consultative and advisory service deals with health education amongst students.

ATHLETIC AND OTHER FACILITIES. The Athletic Grounds consist of (*a*) a ground of about 30 acres at Fallowfield (1½ miles distant), (*b*) a plot of land of about 3 acres adjoining Old Hall Lane, Fallowfield (1½ miles distant), (*c*) about 50 acres of land at Wythenshawe (3 miles distant). The McDougall Centre and Holt Gymnasium (Director: R. St. G. T. Harper, M.A. (Oxon.), which are situated close to the University, provide generous facilities for physical education and recreation, including a covered swimming-bath.

PUBLICATIONS. (1) Periodical: (*a*) *Calendar* (Sept.), 7s. and 5s.; *Examination Papers*, 9d.-3s. a set; *Manchester School*, Jan., May and Sept. (Economic and Commercial), 15s. p.a. ($3 U.S.A.); Departmental Prospectuses (April-May). (*b*) Also published by University Press: Pubns. of Chetham Society, Manchester; Pubns. of Brit. Soc. of Franciscan Studies; Bulletin of John Rylands Library. (*c*) Students' Pubns.: *The Serpent* (Magazine), *The News Bulletin*, *Medical School Gazette*. (2) Histories: *The Owens College: its Foundation and Growth, and Connexion with the Victoria Univ.*, by Joseph Thompson, Manchester, J. E. Cornish, 1886. *The Owens College*, by P. J. Hartog, Manchester, J. E. Cornish, 1900. *Chapters in the History of Owens College and of Manchester University, 1851–1914*, by E. Fiddes, Manchester Univ. Press, 1937. *Portrait of a University*, by H. B. Charlton, Manchester Univ. Press, 1951.

UNIVERSITY PRESS, 316-324 Oxford Road, Manchester, 13 (*see also* p. 415). Established 1902. The object of the Press is to publish works of learning and research in all branches of knowledge, but more general publishing is also undertaken. All official Calendars, Prospectuses, etc., of the University are also issued by the Press. Further information may be obtained from the Secretary.

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. D.S.I.R. and Nuffield Foundation, increase by £94,000 of grants for erection and running expenses of fully steerable paraboloid at Jodrell Bank; Rockefeller Foundation, up to $45,000 for res. in Chem. and $3300 for equipment in Med.; Nat. Res. Devel. Corp., £2100 p.a. for 3 yrs. for res. scholps.; Turner & Newall Ltd., renewal for 7-yr. period of Deed of Covenant for 4 Fellowships of £600 each; Prof. H. M. Hallsworth, former member of staff, library of about 800 vols.

NEW BUILDINGS. Extension of Arts bldg. completed; work contd. on Electr. Engin. bldg.; work begun on fully steerable paraboloid at Jodrell Bank, on extensions to Arts Library and to Chem. Dept. and on conversion of Darbishire House for use as health centre under auspices of Univ.; Methodist schoolroom converted for use as Service Staff House.

NEW POSTS. Asst. Lectr. in Mod. Hebrew; Lectr. in Comp. Literary Studies; Prof. of Mech. Engin.; Lectr. in Med. Statistics; Lectr. in Med. Phys.; Reader in Agric. Econ.; Asst. Lectr. in Comp. Religion.

PRINCIPAL CHANGES IN REGULATIONS. Inst. of degree of B.A. in Music B.A. (Mus.)); revision of regns. for Hons. Sch. of Psychol. in Facs. of Arts and Sci.; instn. of new Section of Hons. Sch. of Gen. Sci. enabling students to combine Chem. with Bot. or Geol. or Zool.; replacement of former Masters' degrees in Fac. of Econ. and Soc. Studies by new degree of Master in Economic and Social Studies (M.A. (Econ.)); change of title of Teacher's Dipl. to Grad. Cert. in Educn. and amendment of regns. to make only grads. eligible; instn. of Cert. in Adult Educn.

ADULT EDUCATION WORK. In collab. with W.E.A., Extra-Mural Dept. held 52 Tutorial classes, 68 sessional and 21 shorter courses; total no. of students: 2058; 57 extension courses given, 45 public lectures and 52 lectures in sec. schs.; 41 residential courses were given at Holly Royde; 204 attended Summer Sch. at Bangor.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. B. Blanshard, Yale, Adamson Lecture; Dr. S. C. Roberts, Camb., Ludwig Mond Lecture; Dr. H. B. Cott, Camb., Ludwig Mond Lecture; A. P. Rowe, Adel.; V. A. Edgeloe, Adel.; Pres. J. L. Morrill, Minn.; Pres. J. E. W. Sterling, Stan.; Sir John Morris, Tas.; Prof. T. Hytten, Tas.; I. G. Thomas, Rand; Prof. Ogawa, Tokyo; Prof. H. W. Emmons, Harv., under Fulbright Scheme; under British Council European Univ. Interchange Scheme: Prof. P. Rennuci, Stras., Prof. R. Mitsche, Leoben; Prof. N. A. Sörensen, Trondheim, Prof. K. I. Engnell, Uppsala; Prof. R. Redslob, Strasb.; Prof. A. Unsold, Kiel; Prof. P. Böckmann, Heidel.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. P. M. S. Blackett, various Univs. in Australia; Dr. Florence E. Colson, Minn.; Dr. C. Cooke, Mich.; D. V. Donnison, Tor.; Prof. M. Gluckman, Glas. (Frazer Memorial Lecture); Dr. H. B. Henbest, Harv.; Prof. E. R. H. Jones, M.I.T. and Wayne, Detroit; Prof. Z. Kopal, Wayne, Detroit; Dr. J. Mars, Br. Col.; Prof. E. Matthews, Copenhagen; Prof. R. Peacock, Gött.; Prof. R. Platt, Rand; Prof. M. Polanyi, Hamburg and Chic.; Dr. W. Stark, Basle; Dr. J. J. W. O'H. Tobin, Minneapolis; Dr. L. G. G. Warne, Karachi; Dr. T. J. Watson, Groningen; Prof. B. A. Wortley, Paris and Grenoble.

RETIREMENTS. A. H. Southam (Surg.); R. J. Forbes (Music); Dr. Mary G. Clarke (Educn.).

RESIGNATIONS. Prof. P. M. S. Blackett (Phys.), apptd. Prof. of Phys., Imperial Coll. of Sci. and Tech., Lond.; Dr. D. C. Pack (Maths.), apptd. Prof. of Maths., Royal Tech. Coll., Glas.; R. N. Spann (Govt.), apptd. Prof. of Govt. and Admin., Syd. U.

DEATHS. Prof. M. G. Evans (Phys. Chem.); H. J. Pearson (Educn.); Dr. E. Pollak (Neuro-Pathol.); Rev. H. Hassall (Hist. of Doctrine, and Principal of Moravian Coll.); Dr. C. Campbell (Chem., Dean of Fac. of Sci.); Dr. S. R. Tibbs (Maths.); Margaret C. Tod (Radiotherapy); Prof. W. J. Jones (formerly Chem.); Prof. C. H. Lees (formerly Phys.); Dr. H. T. Mark (formerly Educn.); Dr. C. Weizmann (formerly Chem.); Frances M. Vaughan (formerly Educn.); Emer. Prof. F. E. Weiss (formerly Bot., and Vice-Chancellor); Emer. Prof. A. H. Jameson (formerly Engin.); J. McFarlane (formerly Geog.); Dr. C. H. Melland (formerly Clin. Med.); Dr. E. Hope (formerly Chem.); Ven. Archdeacon W. C. Allen (formerly Theol., and Principal of Egerton Hall); J. Macgregor (formerly Archit.); Emer. Prof. D. Smith (formerly Mech. Engin.); H. Bell (formerly Phys.); Dr. G. J. Fowler (formerly Bacteriol. Chem.); F. Rawsthorne (formerly Dent. Mat. Med.); Emer. Prof. J. L. André Barbier (formerly French); Dorothy M. Smith (formerly Warden

of Ellis Llwyd Jones Hall); Prof. D. H. Macgregor (formerly Pol. Econ.); B. J. Rodway (formerly Dent. Mechs. and Prosth.); Prof. H. M. Hallsworth (formerly Econ.); D. Jepson (formerly Phys.); Dr. B. M. Jones (formerly Principal of Coll. of Tech., Dean of Fac. of Tech.); G. Talbot (formerly Mental Dis.); Emer. Prof. H. B. Smith (formerly Educn.).

HONORARY DEGREES. *LL.D.*—Dr. J. L. Brierly, formerly Prof. of Law, Manc. U., Chichele Prof. of Int. Law, Oxon. U., Prof. of Int. Relations, Edin. U.; H. E. Clay, Pres. of Workers' Educn. Assn.; C. M. Skinner, Chairman, Bd. of Governors, United Manc. Hosp. and former Hon. Treasurer of Manc. Royal Infirmary. *Litt.D.*—Sir Barry Jackson, Governor of Old Vic., Sadler's Wells and Shakespeare Memorial Theatre and Dir. of Royal Opera House, Covent Garden. *D.Sc.*—Sir John Cockcroft, Dir. of Atomic Energy Res. Establishment. *Mus.D.*—Sir William Walton, for services to music. *M.A.*—Mrs. Vera Barson, Warden, Internat. Club, Manc.; Alderman the Rev. T. Horwood, Vice-Pres. and Chairman of Council of Univ. Coll. of North Staffs.; Rev. H. Motley, Gen. Sec. of Manc., Salford and District Free Church Federal Council and Governor of Rylands Library; J. F. Russell, Librarian of Henry Watson Music Library; County Alderman J. Welch, Member of Lancs. Educn. Cttee., Chairman of Lancaster Divisional Executive, Chairman of Management Cttee. of Royal Albert Hosp., Lancaster. *M.Sc.*—J. P. M. Prentice, Dir. of meteor section of British Astronomical Assoc.

STUDENT NUMBERS (incl. Fac. of Technology).

	Full-Time	*Part-Time*
Men	3611	577
Women	1068	92
Total	4679	669

Postgraduate students, 912.

New admissions, 1556.

Students (full-time) from other countries, 355. (Countries from which largest numbers came: India, 58; Egypt, 41; Norway, 25; Greece, 16; Thailand, 16; Australia, 15; Ceylon, 13.)

DEGREES AWARDED. *Arts*: B.A., 295; B.A. (Theol.), 11; M.A., 33; *Econ. & Soc. Studies*: B.A. (Econ.), 18; B.A. (Com.), 38; B.A. (Admin.), 43; M.A. (Econ.), 2; M.A. (Admin.), 3; *Educn.*: M.Ed., 5; *Law*: LL.B., 43; LL.M., 1; *Med.*: M.B., Ch.B., 79; B.D.S., 7; M.D., 4; Ch.M., 1; *Music*: Mus.B., 5; *Sci.*: B.Sc., 328; M.Sc., 29; D.Sc., 8; *Technol.*: B.Sc.Tech., 151; M.Sc. Tech., 31; *Theol.*: B.D., 7; Ph.D. (All Facs.), 77.

DIPLOMAS AWARDED. *Arts*: Archit., 19; Town and Country Planning, 14; *Econ. & Soc. Studies*: Soc. Admin., 4; *Educn.*: Educn., 7; Teachers', 156; *Law*: Internat. Law, 1; *Med.*: L.D.S., 23; Psychol. Med., 2; *Sci.*: Bacteriol., 9; *Technol.*: Chem. Engin., 2.

CERTIFICATES AWARDED. *Arts*: Town and Country Planning, 10; *Educn.*: Teachers', 528; Education of the Deaf, 52; Art Teachers', 43; *Med.*: Psychiatric Soc. Workers, 10; *Technol.*: Technol., 2; Industrial Admin., 5; *Theol.*: Bib. Knowledge, 18; Theol., 6.

[*Information compiled as at* 1/6/54;
Staff list revised on 12/10/54.]

UNIVERSITY OF NOTTINGHAM*

Founded 1948

Postal Address: University Park, Nottingham, England.
Telegrams: University, Nottingham.
Telephone: Beeston 54265.

VISITOR—H.M. THE QUEEN.

CHANCELLOR—His Grace THE DUKE OF PORTLAND, K.G.

PRO-CHANCELLOR—Alderman Major T. P. BARBER, D.S.O., T.D., D.L., B.A. Camb.

VICE-CHANCELLOR—B. L. HALLWARD, M.A. Camb.

PRESIDENT OF COUNCIL—J. W F. HILL, C.B.E., M.A., LL.M., Litt.D. Camb.

TREASURER—The Right Hon. LORD BELPER, D.L.

DEPUTY VICE-CHANCELLOR—L. F. BATES, B.Sc. Brist., Ph.D. Camb., D.Sc. Lond., F.I.P., F.R.S.

REGISTRAR—H. PICKBOURNE, B.A. Lond., M.A.

LIBRARIAN—G. ELLIS FLACK, M.A. Camb.

TEACHING STAFF

Agriculture, etc., v. *infra*

Botany, v. also Agric.

Chesters, C. G. C., B.Sc. Glas., M.Sc., Ph.D. Birm., F.L.S. Prof.

Holden, H. S., D.Sc. Manc., F.L.S. (Palæobot.) Hon. Reader.

Lecturers

Bexon, Dorothy, M.Sc. Lond., F.L.S.

Turner, Mrs. Myfanwy, M.Sc. Wales, F.L.S.

Weatherley, P. E., M.A., D.Phil. Oxon.

Pugh, G. J. F., B.Sc. Wales, Ph.D.

Connell, W. D., B.Sc. Edin.

Pearson, M. C., B.Sc., Durh. Asst. Lectr.

1 Demr.

Chemistry

King, F. E., M.A., D.Phil., D.Sc. Oxon, Ph.D. Lond., F.R.S. Sir Jesse Boot Prof.

Eley, D. D., M.Sc., Ph.D. Manc., Sc.D. Camb. (Phys. C.). Prof.

Addison, C C., Ph.D., D.Sc. Durh., F.R.I.C., F.I.P. (Inorg. C.) Reader.

Laxton, F. C., T.D., B.Sc. Lond. Sr. Lectr.

Lecturers

Shaw, B. D., M.M., T.D., B.Sc., Ph.D. Lond.

Roberts, J. C., B.Pharm., B.Sc., Ph.D. Lond.

Partridge, M. W., B.Pharm., B.Sc., Ph.D. Lond.

* Member of the Association of Universities of the British Commonwealth.

King, T. J., B.Sc., M.A., D.Phil. Oxon.
Cooper, F. C., B.Pharm., B.Sc. Lond., Ph.D.
Clark-Lewis, J. W., B.Pharm., B.Sc. Lond., Ph.D.
Mathieson, A. R., M.Sc. Durh., Ph.D.
Wallwork, S. C., M.A., D.Phil. Oxon.
Greenwood, N. N., M.Sc. Melb., Ph.D. Camb.
Addison, W. E., B.Sc. Glas., Ph.D. Aberd.
Booth, H., M.A. Camb.
Timmons, C. J., B.Sc., Ph.D. Lond.
5 Demrs.

Classics

Thompson, E. A., M.A., B.Litt. Dub.
Dean, Fac. of Arts, Prof.

Lecturers

Whittaker, Molly, M.A., M.Litt. Camb., B.D. Lond.
Chalmers, W. R., M.A. Edin.
Mattingly, H. B., M.A. Camb.
Watson, G. R., M.A., M.Litt. Durh.

Dairying, v. Agric., *infra*

Economics

Tew, J. H. B., B.Sc. (Econ.) Lond., Ph.D. Camb. Prof.

Lecturers

Gabor, A., B.Sc. (Econ.) Lond.
James, S. F., B.A. Camb.
Mitchell, Joan E., M.A. Oxon.

Economics, Industrial

Wells, F. A., O.B.E., B.Sc. (Econ.), Ph.D. Lond. (Appl. Econ.)
Reader and Hd. of Dept.

Lecturers

Pearce, I. F., B.A. Brist.
Varley, D. E., M.A. Camb.
Morell, A. L., F.C.A. (Accounting) (Pt.-time).

Education

Haycocks, N., M.A. Manc.
Dean, Fac. of E., Prof.

Lecturers

Sumner, W. L., B.Sc. Lond., Ph.D., F.L.S.
Stewart, A. H., B.A. Lond.
Flower, N. C., M.Sc. Durh.
Gopsill, G. H., M A. Birm.
McNicol, H., M.A. Dub.
Grove. R. B., M.A. Leeds.
Bremner, Jean P., B.Sc. Lond.

Engineering, Civil

Pope, J. A., B.Sc. (Eng.) Lond., Ph.D., D.Sc. Belf.
Dean, Fac. of Appl. Sci , Prof.
Coates, R. C., B.Sc. (Eng.) Lond., Ph.D. Sr. Lectr.

Lecturers

Markland, E., B.Sc. Manc., Ph.D.
McKay, D., B.Sc. Leeds.
Osbeldiston, K., B.Sc. (Eng.).
Peattie, K. R., B.Sc. Glas., Ph.D.

Engineering, Electrical

Parton, J. E., B.Sc., Ph.D. Birm. Prof.

Lecturers

Swann, S. A., B Sc. (Eng.) Lond.
Alexander, W., M.Sc. Lond., Ph.D. (Industr. Electronics).
Parry, J. V., M.Eng. Liv.
Newsome, J. P., B.Sc. (Eng.) Lond. Asst. Lectr.

Engineering, Mechanical

Pope, J. A., B.Sc. (Eng.) Lond., Ph.D., D.Sc. Belf.
Dean, Fac. of Appl. Sci., Prof.

Lecturers

Davies, D. M., B.Sc. (Eng.), Ph.D. Lond.
Fessler, H., M.Sc. (Eng.) Lond.
Ellington, J. P., B.Sc. Durh.
McCallion, H., B.Sc. (Eng.) Lond., Ph.D.
Dudley, B. R., B.Sc. (Eng.) Lond.

English

Pinto, V. de S., M.A., D.Phil. Oxon., F.R.S.L. Prof.

Lecturers

Hibbard, G. R., M.A. Lond.
Welland, D. S. R., B.A. Lond., Ph.D.
Cameron, K., B.A. Leeds, Ph.D. Sheff.
Boulton, J. T., B.A. Durh., B.Litt. Oxon.
Page, R. I., M.A. Sheff.
Rodway, A. E., M.A. Camb., Ph.D.
Smith, Sheila M., B.A. Lond. Asst. Lectr.

English Studies for Overseas Students

Hawthorne, T. S. B., M.A. Dub. Lectr. and Tutor.

French

Holdsworth, F., M.A. Sheff., D. de l'U. Paris Prof.

Lecturers

Thorpe, L., B.A., Ph.D. Lond., L. ès L. Lille (Romance Linguistics).
Christie, J., M.A. Glas., L. ès L. Lyons.
Jolivet, P. A., L. ès L., D. de l'U. Paris.
Burns, C. A., B.A., Ph.D. Lond.
Dawson, F. K., M.A., Ph.D. Manc.
Lucas, H. H., B.A. R'dg., D. de l'U. Stras. Pt.-time Lectr.

Geography

Edwards, K. C., M.A., Ph.D. Lond. Prof.

Lecturers

Fuller, G. Joan, M.A., Ph.D. Lond.
Rawstron, E. M., M.A. Lond.
Barnes, F. A., B.Sc. Lond.
King, Miss Cuchlaine A. M., M.A., Ph.D. Camb.
Simonett, D., B.Sc., Ph.D. Syd. Asst. Lectr.

1 Demr.

Geology

Evans, W. D., M.Sc. Wales, Ph.D. Lond., F.L.S., F.G.S. Dean, Fac. of Pure Sci., Prof.
Richardson, W. A., O.B.E., B.A., D.Sc., B.Sc. (Eng.) Lond., F.G.S. (Petrol.) Hon. Reader.

Lecturers

Black, W. W., B.Sc., Ph.D. Leeds, F.G.S.
Elliott, R. B., B.Sc. Durh., Ph.D., F.G.S.
Henson, F. A., B.Sc., Ph.D. R'dg., F.G.S., F.R.Met.S.
Honeyman, A. M., B.Sc. Glas.
Firman, R. J., B.Sc., Ph.D. Durh. Asst. Lectr.

1 Demr.

German

King, K. C., B.A. Oxon., Ph.D. Lond. Sr. Lectr., Hd. of Dept.
Schweizer, W. R., Ph.D. Berne Lectr.
Smith, N. H., M.A. Oxon. Lectr.
Brett-Evans, D., M.A. Wales, Dr.phil. Basle Asst. Lectr.

History

Wood, A. C., M.A., B.Litt., D.Phil. Oxon. (Mod. H.) Prof.
Roskell, J. S., M.A. Manc., D.Phil. Oxon. (Med. H.) Prof.
Oswald, F., D.Sc. Lond., F.S.A. (H. of Roman Brit.) Hon. Reader.
Chambers, J. D., B.A., Ph.D. Lond. (Econ. and Soc. Hist.) Reader.

Lecturers

Fryer, W. R., M.A., B.Litt. Oxon.
Holt, J. C., M.A., D.Phil. Oxon.
Woodward, G. W. O., B.A. Dub.
Ashton, R., B.A., Ph.D. Lond.
Coats, A. W., M.Sc. (Econ.) Lond., Ph.D. Johns H.
Beecham, H. Audrey, M.A. Oxon., Pt.-time Lectr.

Grenville, J. A. S., B.A. Lond. Asst. Lectr.

Horticulture, v. Agric., *infra*

Law

Street, H., LL.M., Ph.D. Manc. [Prof.

Lecturers

Gray, H. R., LL.M. Lond.

Smith, J. C., M.A., LL.B. Camb.

Webb, P. R. H., B.A., LL.B. Camb.

Prichard, A., LL.B. Lond.

Mathematics

Pitt, H. R., B.A., Ph.D. Camb. (Pure Maths.) Prof.

Hill, R., M.A., Ph.D. Camb. (Appl. Maths.) Prof.

Green, H. G., M.A. Camb. (Geom.) Reader.

Lecturers

Underwood, F., M.Sc. Lond.

Prior, L. E., M.Sc. Lond.

Dallas, A. E. M. Marta, M.A., B.Sc. Edin.

Power, G., M.B.E., M.A. Oxon., Ph.D.

Jones, E. E., B.Sc., Ph.D. Wales.

Jackson, Margaret, M.Sc. Lond., Ph.D.

Noble, M. E., M.A., Ph.D. Camb.

Rose, A., B.A. Camb., M.Sc. Manc.

Metallurgy

Cuthbertson, J. W., D.Sc. Manc., F.I.M. Cripps Prof.

Lloyd, H. K. M., B.Sc. Wales, Ph.D. Sheff. Lectr.

Mining and Fuels

Hinsley, F. B., D.Sc. Birm., F.I.F. Prof.

Bowen, A. R., Ph.D., D.Sc. Birm., F.R.I.C. (Petroleum Technol.) Hon. Reader.

Lecturers

Whitmore, R. L., B.Sc. Lond., Ph.D. Birm.

Watson, J. M. R., B.Sc. Glas.

Cummings, A. D., M.Sc. Lond., Ph.D., F.I.F.

Scott, D. R., M.Sc. (Min.).

Music

Keys, I. C. B., M.A., D.Mus. Oxon, F.R.C.O. Prof.

Lecturers

Laming, F. M., B.Mus. Lond.

Smallman, F. B. R., M.A., B.Mus. Oxon.

Pharmacy

Trease, G. E., B.Pharm. Lond., D. de l'U. Stras., F.R.I.C., F.L.S. Dir. of Pharmaceut. Studies, Hd. of Dept.

Lecturers

Barber, H. H., B.Sc., Ph.D. Lond., F.R.I.C.

Turner, H. A., B.Sc. Lond., Ph.D.

Watson, Gertrude M., B.Pharm. Lond.

Evans, W. C., B.Pharm., B.Sc., Ph.D. Lond.

Hugo, W. B., B.Pharm. Lond.

Hardman, R., B.Pharm., B.Sc. Lond.

Gilbert, R. E., B.Pharm. Wales, Ph.D. Birm.

Assistant Lecturers

Sharp, G. W. G., B.Pharm., B.Sc. Lond.

Rogers, Mrs. Margaret K., B.Sc. Birm.

2 Demrs.

Philosophy

Sprott, W. J. H., M.A. Camb. Prof.

Lecturers

Joynson, R. B., M.A., B.Litt. Oxon. (Psychol.).

Grant, C. K., M.A., D.Phil. Oxon. (Logic).

Lees, J. P., M.A. Camb. (Social Philos.).

Newson, L. J., B.Sc. Lond. (Psychol.).

Physics

Bates, L. F., B.Sc. Brist., Ph.D. Camb., D.Sc. Lond., F.I.P., F.R.S. Lancashire-Spencer Prof.

Davy, N., M.M., D.Sc. Lond. Reader.
Stevens, K. W. H., M.A., D.Phil. Oxon. (Theoret. P.) Reader.

Lecturers
Woolley, J. C., B.A. Camb., Ph.D.
Standley, K. J., M.A., D.Phil. Oxon.
Nash, W. F., M.Sc. Wales, Ph.D. Manc.
Lee, E. W., B.Sc. Lond., Ph.D.
Adam, G. D., B.Sc. St. And., Ph.D.
Phillips, J. H., M.C., B.Sc.
Hepburn, F , M.A., M.Sc., Camb. Asst. Lectr.
2 Demrs.

Slavonic Languages
Fennell, J. L. I., M.A., Ph.D. Camb.
Reader and Hd. of Dept.
Partridge, Mrs. Monica A., B.A., Ph.D. Lond. Lectr.

Social Science
Marsh, D. C , M.Com. Birm. Prof.

Lecturers
Forster, Sheelah de C., M.A. Oxon.
Robertson, Mary F., M.A. Edin.
Eyden, Joan L. M., B.A., B.Sc. (Econ.) Lond.
Gowan, I. L., M.A. Oxon., B.A. Wales (Pub. Admin.).
Spelman, Eileen M., B.A. Lond. Pt.-time Lectr.

Spanish
Stagg, G. L., M.B.E., M.A. Camb. and Harv.
Sr. Lectr. and Hd. of Dept.
Russell-Gebbett, P. S. N., M.A. Camb. Lectr.
Cabañas, P., Dr. de la Univ. Madrid Lector.

Spoken Language

Lectrs. and Speech Therapists
Wilkins, Joyce L.
Hitchman, P. J., B.A. Lond., M.Ed.

Theology
Richardson, Canon A., M.A. Liv., M.A., D.D. Oxon. Prof.

Lecturers
Hanson, Rev. R. P. C., B.A., D.D. Dub.
King, Rev. N. Q., M.A. Oxon., Ph.D.

Part-time Lecturers
Neil, W., M.A., B.D., Ph.D. Glas.
Posen, Rev. R., Ph.D.
Turner, Rev. R. R., M.A.

Zoology, v. also Agric.
Barrington, E. J. W., M.A., D.Sc. Oxon., F.L.S. Prof.

Lecturers
Young, M. R., B.Sc. Edin., Ph.D. Lond.
Aitken, A., B.Sc. Glas.
Morris, B , B.Sc. Wales.
Clarke, K. U., B.Sc. Lond.
Matty, A. J., B.Sc. Lond., Ph.D.
Morris, R., B.Sc. Lond.

Agriculture and Horticulture

Agric. Botany
Milthorpe, F. L., M.Sc. Agr. Syd., Ph.D. Lond. Prof.

Lecturers
Dent, K. W., B.Sc., Ph.D. Birm.
Edwards, Miriam M., B.Sc., Ph.D. Manc.

Assistant Lecturers
Nicolson, T. H., B.Sc. Aberd.
Whittington, W. J., B.Sc. Wales.

Agric. Chemistry
Hallsworth, E. G., B.Sc., Ph.D. Leeds
Dean, Fac. of Agric. and Hort. Prof.

Lecturers
Burns, A. C., M.Sc. Manc., F.R.I.C.
Ling, E. R., M.Sc. Lond., Ph.D., F.R.I.C.

Crawford, D. V., M.A., B.Sc. Oxon.
Robertson, H. A., B.Sc., Ph.D. Edin.
1 Demr.

Agric. Economics

Rasmussen, K., Cand. Polit. Copenhagen
Provincial Agric. Economist and Hd. of Dept.

Sr. Agric. Economists

Jones, R. B., M.Sc. Wales.
Mejer, E., M.Sc. Vilna, M.Sc.Agric.

Agricultural Economists

Wood, R. O., M.Sc. Lond.
Senior, W S., B.Sc. (Agric.) Leeds.
Ingersent, K. A., B.Sc. Aberd., M.S. Minn.

Asst. Agric. Economists

Nicolson, Mrs Prudence P., B.Sc. (Econ.) Lond
Hunt, R. W. T., B.Com. Liv.
Mortimer, R. G., B.Sc. Wales.
Theophilus, T. W. D , B.Sc. Wales.
Sandilands, Margaret M., B.A. Lond.

Agric. Engineering

Chatterton, J., D.F.C., B.Sc. Lond. Lectr.

Agric. Geology, v. Geology, *supra*

Agric. Microbiology

Woodbine, M., M.Sc., Ph.D. Manc. Lectr.
Dickinson, Anne B., B.Sc. Durh. Asst. Lectr.
1 Demr.

Agric. Zoology, v. also Zoology, *supra*

Lecturers

Kevan, D. K. McE., B.Sc. Edin.
Taylor, C. E., B.Sc. Wales.
1 Demr.

Agriculture

Lecturers

Grant, H. T., B.Sc. Glas.
Ivins, J. D., B.Sc. R'dg., M.Sc. (Agric.), Ph.D.
Lamming, G. E., B.Sc. (Agric.) Lond., M S , Ph.D. Ill.
Morgan, J. T , M.Sc. Wales, Ph.D.
McDermott, Mrs. Norah, M.B.E., M.Sc. (Agric.) Potato Res.
2 Demrs.

Building Construction, etc.

Maguire, O. D. Lectr.

Dairying

Scott, R., B.Sc. (Agric.)
Lectr. and Hd of Section.
Stein, M., B.Sc , Ph.D. Leeds, LL.D. Prague Lectr.
James, D. E. R., B.Sc. R'dg. Asst. Lectr.
2 Demrs.

Horticulture

Hudson, J. P., M.B.E., G.M., M.Sc. Lond., Ph.D.
Sr. Lectr. and Hd. of Dept.
Marston, Margaret E., B.Sc. Lond., M.Sc. (Hort.) Lectr.
Heydecker, W., B.Sc. R'dg., M.Sc. Lectr.
Dullforce, Winifred M., B.Sc. Asst. Lectr.
1 Demr.

Poultry Husbandry

Shaw, R. B.
Lectr. and Hd. of Section.
Nightall, E. W. Lectr.
2 Demrs.

Veterinary Hygiene

Buxton, J. C., B.Sc., Ph.D. Hon. Lectr.
Brooksbank, N. H., B.Sc. Lond. Hon. Lectr.
Ford, Connie M. Hon. Lectr.

Extra-Mural Studies

Wiltshire, H. C., M.A. Lond. Dir of Extra-Mural Studies.

Thornton, A. H., M.A, B.C.L. Durh. Dep. Dir.

Staff Tutors

Eagle, E. C., B.Sc. (Econ.) Lond. (Economics).

Douglas, G. O, M.A. Camb. (Psychol.).

Gray, P. H., M.A. Lond. (Philos.).

Simpson, S. J., B Sc. (Econ.) Lond. (Economic Hist.).

Barley, M. W., B.A. R'dg., M.A., F.S.A. (Hist. and Local Studies.

Organizing Tutors

Featherstone, H. L., M.A. Durh.

Dixon, J. F., M.A. Oxon (Nottinghamshire).

Stadler, K. R., B.A. Brist., M.A. Lond. (Derby).

Fordham, P. E., B.A. Leeds (Derbyshire).

Hogarth, C. E., B.A. Manc. (Derbyshire).

Champion, A., M.A. Camb. (Holland).

Smith, A. E., M.A. Leeds (Lindsey).

Hosford, W. H., B.Sc. (Econ.) Lond. (Kesteven).

Madgwick, P. J., M.A Oxon. (North Leicestershire).

Institute of Education

Lewis, M. M., M.A., Ph.D. Lond. Dir.

Daniels, J. C., B.Sc., M.Ed. Durh. Tutor.

Diack, H., M.A. Aberd. Tutor.

Holland, Louisa Tutor.

Land, Claudia E.L., M.A. Birm., F.L.A. Librarian.

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICE Finance Officer: A. Hendry; Accountant: A. Bellamy; Asst. Registrar: A. Plumb, M.A. Camb.; Buildings Officer; D. L. W. O'Dell; Asst. Registrar (Estates and Management): T. M. Ferguson, O.B.E.; Surveyor (School of Agric.): O. D. Maguire; Sr. Admin. Assts.: G. J. Eltringham, M.A. Sheff.; H. Harris, B.Sc. (Econ.) Lond. (School of Agric.); Admin. Asst.: R. E. Fell (Adult Educn. Centre).

LIBRARY. Sub-Librarian: R. S. Smith, B.A. Lond., F.L.A.

CAREERS AND APPOINTMENTS BOARD. Sec.: G. R. Ricketts, M.A. Oxon.

WARDENS OF HALLS. Hugh Stewart, W. Neil, M.A., B.D., Ph.D. Glas. Wortley, H. H. Lucas, B.A. R'dg., D. de l'U. Stras.; Florence Boot, Eileen M. Spelman, B.A. Lond.; Florence Nightingale, H. Audrey Beecham. M.A. Oxon.

ACCOMMODATION OFFICER. D. C. Singleton.

GENERAL INFORMATION

The Univ. originated in the Adult School established in 1798, the Mechanics' Institute and the People's College, developments leading to the Univ. Extension Lectures inaugurated in Nottingham in 1873—the first in the country—by the Univ. of Cambridge. An anon. gift of £10,000 in 1875, encouraged the Corporation of Nottingham to erect a bldg., maintain it, and supply instrucn. The bldg., in Shakespeare St., was opened in 1881 as the University Coll., Nottingham, incorporated by Royal Charter in 1903. There were at first 4 professorships (Lit., Phys., Chem., Natural Sci.).

A large estate some 3 miles W. of Nottingham, and new buildings completed

in 1928, were provided by the late Lord Trent, giving room for expansion. In 1938 a supplemental Charter reconstituted the governing body, providing for much wider representation. The Coll. was relieved in 1945 of responsibility for evening and part-time education in the area ; in 1947 the Midland Agricultural Coll. at Sutton Bonington became the Coll. Sch. of Agric., and an Inst. of Education was founded. Since 1948, when the Univ. Charter was granted, 140 acres have been purchased, bringing the site to a total of 260 acres, new bldgs. including a Hall of Residence and a Biology building have been erected, and 10 new professorships have been established.

CONSTITUTION. The supreme Governing Body of the Univ. is the Court. Subject to control by the Court, the Council is the executive of the Univ., responsible for the management and administration of revenue and property, and for the conduct of all the affairs, of the Univ. Subject to control by the Council, the Senate regulates academic matters. To each Faculty Board are assigned specific powers, including that of expressing its opinion to Senate on any matter relating to the Fac.

INCOME (1952–53). Total income, £585,169. Percentages derived from principal sources : Parliamentary grants, 69·2 per cent. ; fees, 15·5 per cent. ; local authority grants, 12·6 per cent. ; endowments, donations and subscriptions, 1·7 per cent.; other income, 1 per cent.

FACULTIES AND DEANS. *Arts*, Prof. E. A. Thompson (Classics) ; *Educn.*, Prof. N. Haycocks ; *Pure Science*, Prof. W. D. Evans (Geol.) ; *Agric. and Hort.*, Prof. E. G. Hallsworth (Agric. Chem.) ; *Applied Science*, Prof. J. A. Pope (Engin.) ; Board of Studies in *Law and Social Science*, Prof. W. J. H. Sprott (Philos.).

The School of Agriculture, comprising the Faculty of Agric. and Hort., is located ten miles from the University, between Nottingham, Derby and Loughborough. *Postal Address* : The Univ. of Nottingham, School of Agriculture, Sutton Bonington, Loughborough. (*Telephone* : Kegworth 386.)

LIBRARY. The Library contains about 145,000 vols. and 55,000 unbound pamphlets. Special collections include the French Revolution and Napoleonic Collection, 2000 vols. ; the Henry Mellish Meteorological Collection, 700 vols. ; and the D. H. Scott Collection of 6200 pamphlets on Palæobot. The Library is an approved repository for manorial documents, and among the more important records are those relating to the Duke of Portland, Earl Manvers, Lord Middleton and the Archdeaconry of Nottingham. Current periodicals number over 500. The library at the School of Agric. contains over 8000 vols.

MUSEUMS. Archæological, houses the Margidunum Collection (made by Dr. F. Oswald) of Roman pottery. Geological. Also scientific collections in various labs. and objects of historical interest distributed about the Univ. bldgs. Curator : H. H. Swinnerton, D.Sc., Prof. Emeritus (Geol.).

INSTITUTE OF EDUCATION, Redcourt, Derby Rd., Nottingham. (*Telephone* : Beeston 55591.) The Institute is responsible for approving courses and examining students preparing to become teachers, youth leaders and tutors in adult educn. It also provides a variety of services for those engaged in educn. in the area. The constituent colls. of the Inst. are the Derby, Kesteven, Lincoln, Loughborough, Matlock and Nottinghamshire County Training Colls.

ADMISSION. *See* Appendix I.

DEGREE COURSES. Pass degree of B.Mus., 3 yrs. ; pass degrees of B.Pharm., B.Sc. in Agric., Hort. or Dairying, B.Sc. in Civil, Mech., Elect. or Mining Engin.—4 yrs. ; Hons.. degrees, B.Pharm., B.Sc. in Fac. of Pure Sci., B.Sc.

in Fac of Agric. and Hort., B.Sc. in Fac. of Appl. Sci.—4 yrs. ; Hons. degrees, LL.B., B.A.—3 yrs. Candidates may be exempted from the Inter. Examn. and the Inter. course of study if they have reached a satisfactory standard in a G.C. E. examn. or in a recognized equivalent examn., but in the B.A. there is no Inter. course and no exemptions are granted. The minimum residence in the Univ. for graduation is 3 yrs. (under certain conditions grads. of other Univs., 2 yrs.).

No Hons. course is offered for B.Mus. ; the LL.B. and all courses for B.A. are Hons. courses, although if Hons. standard is not reached a Pass degree may be awarded. The B.A. can be awarded with Hons. in Classics, Latin, Greek, Anc. Hist., Engl., French, Spanish, German, Russian, Med. and Mod. Hist., Econ. and Social Hist., Theol., Maths., Geog., Engl. and Philos., Engl. and Econ. and Soc. Hist., German and Philos., Philos., Psychol., Sociol., Econ., Soc. Admin., Indust. Econ., Politics, or Law.

Hons. students in French, German, Spanish and Russian spend the third term of the first yr. at an approved foreign Univ. The Law Dept. prepares students for the Bar and Solicitors' Examns. as well as for the LL.B.

All B.Pharm. students follow the same courses for 2 yrs. after Inter., and divide into Pass and Hons. courses for the last year.

For B.Sc. in Pure Sci., all students enter for Hons. courses in Maths., Phys., Chem., Bot., Zool., Geol., Geog., Psychol., or combined studies (2 approved subjects), but may in certain cases be transferred to a Pass course (*e.g.* in Pure and Appl. Maths., or in Chem. and Pure Maths.) after 1 or 2 yrs., and in other courses a Pass degree may be awarded if Hons. standard is not reached.

In the Fac. of Agric. and Hort. all degree students follow the same courses for 2 yrs. after Inter., and divide for the last yr. into Hons. Agric., Agric. Bot., Agric. Chem., Agric. Microbiol., Agric. Zool., or Hort., and Pass Agric., Dairying, or Hort.

The 1st yr. course after Inter. in Appl. Sci. is common to all degree students except Metall. ; in 2nd yr. students specialize in Civil, Mech., Elect., or Mining Engin., and in 3rd yr. each course divides into a Pass and an Hons. stream. The 3-yr. post-Inter. Metall. course is an Hons. course, although a Pass degree may be awarded if Hons. standard is not achieved. In all Appl. Sci. courses practical experience, in works or mines as appropriate, is essential.

HIGHER DEGREES. D.Litt., D.Sc., D.D., LL.D.—conferred on graduates of the Univ. of at least 7 yrs.' standing, for distinguished published contributions to learning. Ph.D.—v. p. 24. M.A., B.D., LL.M., M.Pharm., M.Sc.—conferred on graduates of the Univ. in the appropriate Fac. after advanced work extending over at least 1 yr. and on graduates of approved Univs. after at least 2 yrs. ; also conferred on non-graduates under certain conditions, after advanced work extending over at least 4 yrs. M.Sc. in Mycology—awarded on an examn. taken after an advanced course of at least 1 yr.'s duration. M.Ed.—may be conferred after at least 2 yrs. (pt.-time) of advanced work, upon graduates of approved Univs. who have at least 2 yrs.' experience of work in Educn. ; after a course of normally at least 4 yrs.' duration, on non-graduates with approved qualifications in the field of Educn. and at least 2 yrs.' experience of work in this field.

DIPLOMAS. Diploma in English Studies for Overseas Students—1 yr. ; candidates must have qualifications comparable with those of a British graduate or be in possession of the Univ.'s Certif. in English Studies or equiv. qualification ; Adult Educn., 1 yr. postgraduate ; Dairy Sci., 1 yr. postgrad. ;

Dairying—2 yrs. (candidates must have 4 Ordinary level passes in G.C.E. incl. Engl., Maths. and a Sci. subj., and 12 mos.' approved practical experience).

CERTIFICATES. Certificate in English Studies for Overseas Students, 1 yr.; Social Studies (graduates of approved Univs., 1 yr.; non-graduates over 21 yrs. of age, 2 yrs.); Theological and Social Studies, 3 yrs. (awarded in conjunction with Paton Congregational Coll.); Youth Leadership, 1 yr. for graduates, qualified teachers or holders of Social Science Certs.; Educn., 1 yr. postgraduate; Fuel Technol., 3 yrs. (1 yr. for graduates in Engin., Mining, Chem. and Physics of British and other approved Univs.).

The Certif. in Fuel Technol. is recognized by the Institute of Fuels as exempting the holder from Part " B " of the examn. for the Associate Membership of the Institute. Courses are also given at the Univ. for the examns. of the Pharmaceutical Society.

FEES. Matriculation, £1 : 1s.; Registration, £1 : 1s. *Tuition*: B.A., B.Mus. (3 yrs.), £94 : 10s.; LL.B. (3 yrs.), £75 : 12s.; B.Sc. (except in Maths. and Geog.), B.Pharm. (4 yrs.), £151 : 4s.; B.Sc. in Maths. (4 yrs.), £138 : 12s.; B.Sc. in Geog. (4 yrs.), £144 : 18s.; B.Sc. in Fac. of Agric. and Hort., B.Sc. in Fac. of Applied Sci. (4 yrs.), £179 : 11s.; Ph.D. (non-laboratory subjects), £15 : 15s. per yr.; Ph.D. (laboratory subjects), £22 : 1s. per yr. *Examination*: B.A., LL.B., B.Mus., £9 : 9s.; B.Sc., B.Pharm., B.Sc. (Eng.), B.Sc. (Min.), £12 : 12s.; Ph.D., £10 : 10s. *Graduation*: Bachelor's Degree, £5; Ph.D., £7.

ACADEMIC YEAR. Oct. to June; 3 terms of 10 weeks each.

UNIVERSITY EXTENSION. The Director of Extra-Mural Studies is Hd. of the Dept. of Extra-Mural Studies, and is assisted by a Deputy Director, 16 full-time members of staff and many pt.-time tutors and lecturers. *Postal Address*: Univ. of Nottingham Adult Educn. Centre, 14 Shakespeare St., Nottingham. (*Telephone*: Nottingham 43022.) Lenton Hurst, in grounds adjoining Univ. Park, has been established as a residential College for Adult students. The Dept. is also responsible for Pilgrim Coll., a non-residential Adult Coll. in Boston, Lincs. (Warden: A. Champion, M.A. Camb.)

PRINCIPAL OPEN AWARDS (SCHOLARSHIPS AND EXHIBITIONS) offered to students entering the Univ. to read for a first degree: 5 Foundation Scholps. (£80 p.a.); 5 Exhibitions (£50 p.a.); 1 Nottm. Co-operative Soc. Scholp. (£50 p.a.).

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II.

CAREERS AND APPOINTMENTS BOARD. (For Secretary *see* " Administrative and other Staff," p. 430.) The Board gives advice on careers and assists students to obtain posts on completion of their studies, and temporary employment during Univ. vacations.

GRADUATES' ASSOCIATIONS. *Convocation* consists of all graduates of the Univ., together with Officers and the academic staff. Its privileges include nominating representatives on Court and Council, and entering into communication with Court, Council or Senate on any matter affecting the Univ. *The Association of Past Students* has the aim of maintaining social contact between past students of the Univ. College, Nottingham, and of the Univ. All past registered day students of the Univ. Coll. and all past students of the Univ. are eligible for membership.

RESIDENCE. (For names of Wardens *see* " Administrative and other Staff," p. 430.) For men: Hugh Stewart Hall (*Telephone*: Beeston 54452)—188 students, and Wortley Hall (*Telephone*: Nottm. 75600)—69 students, adjoining Univ. Park. For women: Florence Boot Hall (*Telephone*: Beeston

54536)—110 students, in Univ. Park, with annexe Lenton Eaves, 20 students; Florence Nightingale Hall (*Telephone*: Beeston 56414)—143 students, with annexe Lenton Fields—20 students, adjoining Univ. Park. At the School of Agriculture, Sutton Bonington, there are Halls accommodating 110 men and 70 women. Fees in all Halls are £120 p.a. for single study bedrooms and £110 p.a. for shared study bedrooms, but the fees are subject to review at any time. Students not in Halls or at home must live in Univ. registered lodgings.

UNIVERSITY MILITARY AND AIR FORMATIONS. The University Training Corps (T.A.) comprises sub-units of Infantry, Signals, Engineers, Intelligence Corps and R.E.M.E. Cadets enlist for 2, 3 or 4 yrs.; pay, allowances and uniform are on normal T.A. scales. Women undergraduates may become members of the W.R.A.C. (T.A.) Sub-Unit with similar conditions of service and privileges to those of men cadets in the U.T.C. The University Air Squadron is in the Home Command of the R.A.F. Members sign on in the R.A.F. Volunteer Reserve, and receive flying training, with pay and allowances for training time and an annual grant of £35.

STUDENT ATHLETIC FACILITIES. The Univ. Playing Fields, nearly 40 acres in extent, adjoin Univ. Park, and provide for Rugby and Association football, hockey, cricket, net-ball and tennis. There is a boat-house at Trent Bridge. Badminton, basket-ball, fencing and table tennis are played in the indoor sports centre in Univ. Park. There is an indoor range attached to the U.T.C.

STUDENTS' UNION. There is a Union of Students for the promotion of corporate feeling and the general interest of students and to afford a recognized channel of communication between students and the Univ. authorities. All full-time students become members.

PUBLICATIONS. *Calendar*—10s., annually in Oct.; *Gazette* (once a term); *Annual Report* (Dec.); *Faculty and Departmental Prospectuses*—1s. 6d., annually (Sept.); *Scholarships, Fellowships and Prizes*—1s., annually; *Courses in English Studies for Overseas Students, Regulations for Higher Degrees, General Regulations and Information for Students*—annually. *Regulations for Matriculation and Faculty Admission Requirements*. The *Bulletin* of the Institute of Education—1s. 6d. for 3 issues, published once a term. Students' Magazines: *The Gong*—1s., once a term; *Survey*—9d., once a term; *Union Handbook*—annually (issued free to all students). *The History of the University College, Nottingham*, by Edith M. Becket, 1928 (Henry B. Saxton) (o.p.); *The History of the University College, Nottingham*, by A. C. Wood, 1954 (B. H. Blackwell, Ltd.)—15s.

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. Rockefeller Foundation, £2400 for res. on delinquency, $5000 for American Studies, $450 for equipment in Phys. Chem.; Agric. Res. Council, £1144 for res. in Phys. Chem., £600 p.a. for res. fellowship in Hort.; Boots Pure Drug Co. Ltd., £400 p.a. for res. fellowship in Chem.

NEW BUILDINGS. Biol. Bldg. nearing completion. Portland Bldg. (including Students Union facilities) started.

NEW POSTS. Prof. of Med. Hist.; Prof. of Music; Prof. of Appl. Maths.; Reader in Phys. Chem.; Reader in Theoret. Phys.

PRINCIPAL CHANGES IN REGULATIONS. Introduction of an Hons. course, parallel with existing Pass course, for final yr. of B.Pharm. degree. Introduction of a 1-yr. postgrad. course for Dipl. in Dairy Sci.

ADULT EDUCATION WORK. No. of courses: 262, including 51 3-yr. tutorial classes, 100 sessional classes, 64 shorter courses, and 29 short courses. Total no. of class meetings: 4392; total no. of individual students registered: 3185.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Prof. T. L. Webster, Lond., "Plato and Aristotle as Art Critics"; A. Sherwin-White, Oxon., "Celts in the Roman Empire"; R. Browning, Lond., "The Alexander Romance in the Ancient World"; R. P. Wright, Durh., "Roman Roads"; Prof. S. d'Ardenne, Liège, 3 Lectures on Middle Engl. Lit.; R. G. Howarth, Syd., "The Plays of John Webster"; Prof. R. Escarpit, Bordeaux, "Madame de Staël and England"; Lord David Cecil, Oxon., "The Art of the Novel"; Prof. Bonamy Dobrée, Leeds, "The Idea of a School of English"; Dr. G. Hess, Heidel.; Prof. E. Lunding, Aarhus, "Dichtung und Burgerlichkeit"; Prof. the Rev. M. C. Knowles, Camb., "Monastic Sites"; Prof. E. Schneider, Vienna, "Demythologising of the New Testament"; A. Pearse, West Ind., "Caribbean Folk Music"; A. Peacock, Lond., "The Economics of National Insurance"; Sir Dennis Robertson, Camb., "The Dollar Problem"; Prof. A. J. Brown, Leeds, "The Economic Significance of Atomic Energy"; Prof. H. D. Dickinson, Brist., "How much Economics can the people stand?"; Prof. R. F. Kahn, Camb., "The 'New' Monetary Policy"; R. M. Goodwin, Camb., "The problem of Trend and Cycle"; Prof. R. S. Sayers, Lond., "Are Central Banks Universally Necessary?"; Prof. D. G. Champernowne, Oxon., "The Teaching of Statistics at Oxford"; Dr. de Jongh, Amst., "Treatment of Problem Families in Holland"; D. N. Chester, Oxon., "The Relations of Central and Local Government"; Dr. A. Stewart, Oxon., "Research Aspects of Social Medicine"; Miss M. R. Glover, North Staffs., "The Christian Assumption of the Welfare State"; Prof. W. A. Robson, Lond., "The relationship of Law to Social Science"; Dr. M. Reeves, Oxon., "Youth in Industry"; Prof. D. V. Glass, Lond., "Problems of Social Mobility"; F. W. Odgers, Camb., "Criminal Science"; Prof. Derham, Melb., "Legal Problems of the Australian Constitution"; Dean Griswold, Harv.; Prof. H. W. F. Stellwag, Amst.; Prof. R. Syamananda, Chulalongkorn; A. F. Laidlaw, St. F. X.; E. M. Higgins, Syd.; W. H. Cocker, Auck.; Prof. C. Verner, Florida State; Prof. R. L. Goodstein, Leic., "Recursive Arithmetic"; Prof. D. R. Hartree, Camb., "Calculating Machines"; Prof. F. Llewellyn-Jones, Swansea, "Problems of Electrical Contacts"; Dr. D. Shoenberg, Camb., "Magnetic Oscillations"; Prof. C. J. Gorter, Leyden; Prof. R. Truell, Brown Univ., Rhode Island; Prof. M. J. S. Dewar, Lond., "The Molecular Orbital Theory of Organic Chemistry"; Prof. H. J. Emeleus, Camb., "Some Organo-metallic Compounds containing Fluorocarbon Radicals"; Prof. F. S. Dainton, Leeds, "Experiments with Radio-Active and Stable Isotopes"; Prof. G. R. Clemo, Newcastle, "Recent Advances in the Chemistry of the Sesqui-Terpenes"; Prof. D. Thoday, Bangor, "Water Relations"; Prof. G. C. Varley, Oxon, "Insect Populations"; Dr. G. E. Newell, Lond,, "Sea-shore Biology"; Prof. S. A. Matthews, Williams Coll., Mass.; Prof. W. Q. Kennedy, Leeds, "The Mountains of the Moon"; Prof. K. C. Dunham, Durh.; Prof. A. H. Cox, Wales; Prof. C. A. Cotton, Victoria, N.Z., "Tectonic Relief" and "Volcanic Landscapes in New Zealand"; Dr. J. Gentilli, W. Aust., "Australian Climatology" and "The Economic Geography of South-West Australia"; Prof. G. Jobberns, Canterbury; Dr. E. F. Gale, Camb., "Syntheses of Proteins by Micro-organisms"; Prof. J. E. Driver, Hong Kong; A. F. Caldwell, Malaya; Dr. A. Fraser, Aberd., "Production of Livestock Produce in relation to Social Change"; Prof. M. M. Cooper, Lond., "Animal Improvement"; Dr. E. W. Russell, Oxon.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. V. de S. Pinto, Ljubljana and Zagreb, "English Poetry in the 20th Century", "The English Novel in the 20th Century", "The English Drama in the 20th Century", "D. H. Lawrence, Prophet of the English Midlands"; Prof. W. J. H. Sprott, Birm., "Science and Social Action" (Josiah Mason Foundation Lectures); Prof. J. H. B. Tew, Hull, "The Finance of British Industry"; and "The Finance of Public Companies", Northern Univs. Economics Seminar; A. Gabor, Leeds, "The Equilibrium of the Firm"; Prof. R. Peers, Liv., "The Workers' Educational Association—Achievements and Prospects"; Prof. H. R. Pitt, Hull, "Random Elements in Mathematics", and Leic., "Measure in Function Space"; Prof. L. F. Bates, Southampton, Manc., Edin., St. And., "Some New Experiments on Ferromagnetic Domains"; Leeds, "The Measurement of Heat Changes accompanying Magnetization"; Lond., a series of four lectures on "Magnetism"; Dr. N. Davy, Durh., "Some French Mathematical Physicists"; Prof. C. G. C. Chesters, North Staffs., "Soil Microbiology"; Prof. E. J. W. Barrington, Hull, "Problems of Comparative Endocrinology"; Prof. W. D. Evans, Birm., "The Petrology of Coal"; Dr. W. W. Black, Leeds, "Carboniferous Reef Limestones"; Dr. F. A. Henson, Exeter, "The Igneous Rocks of Jersey"; Prof. K. C. Edwards, North Staffs., "New Zealand: the Four Main Centres"; Leic., "The Industrial Structure of Nottingham: a Geographical Interpretation"; Dr. C. A. M. King, Lond., "The movement of Sand on Beaches"; W. B. Johnston, Birm., "New Zealand and the Pacific"; K. Rasmussen, Oxon., "Physical Factors of Production and the Managerial Factor in Farm Production", and "The Importance of Variance in the Interpretation of Averages (with special reference to farm records)"; C. E. Taylor, Cardiff, "Potato Aphids".

RETIREMENTS. Prof. R. Peers (Adult Educn.); Prof. A. Radford (Soc. Admin.); J. M. Dickson (Appl. Thermodyn.); J. W. Popplewell (Univ. Surveyor).

RESIGNATIONS. Prof. J. Marsh (Christian Theol.), apptd. Principal of Mansfield Coll., Oxon.; P. P. Butters (Warden of Hugh Stewart Hall); W. Woodruff (Econ. Hist.), apptd. Assoc. Prof., Ill.; G. Masterton (Adult Educn.); Margaret M. Richardson (Bot.), apptd. Warden of Mansfield Hall, R'dg.; W. D. Gill (Geol.), apptd. to Chair of Geol. and Mineral., Dub. U.; J. J. Lewis (Pharmacol.), appt. at Glas.; Miss M. Brindley (Bacteriol.); D. B. C. Taylor (Mech. Engin.), apptd. to I.C.I. Fellowship, Camb.; J. Mann (Mech. Engin.), apptd. Sr. Lectr. Nott. Tech. Coll.; C. E. Gimson (Elect. Engin.), appt. at Univ. Coll., Lond.

DEATHS. Col. W. A. Potter, W. T. Phipps (Members of Court); Nina M. Brameld (Lectr. in Hist., 1916–1952); E. Holden (Lectr. in Agric. Zool. 1913–1952); Edith M. Becket (Lectr. in Educn., 1900–1947).

HONORARY DEGREES. *D.D.*—Rt. Rev. F. R. Barry, Bishop of Southwell. *LL.D.*—Rt. Hon. C. R. Attlee, Leader of Opposition; Rt. Hon. R. A. Butler, Chancellor of the Exchequer; Sir Hubert S. Houldsworth, Chairman of National Coal Board. *D.Litt.*—W. G. Constable, Curator of Paintings, Boston Museum of Fine Art; Prof. R. Peers, Prof. of Adult Educn. 1922–1953, Actg. Principal, 1947–1948, Dep. Vice-Chancellor, 1948–1953. *M.A.*—O. Barnett, Head Master, Claremont School, President of N.U.T. for 1953–54; W. Crane, Alderman of Nott., member of Council since 1914; D. Gray, formerly Librarian, City Library, Nott.; Miss H. K. Hawkins, formerly Principal of Derby Trg. Coll.; H. Pickbourne, Univ. Registrar since 1938; G. E. Taylor, Nottingham County Alderman, and member of Council.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	1440	130
Women	597	12
Total	2037	142

Postgraduate students, 195.

New admissions, 679.

Students (full-time) from other countries, 83. (Countries from which largest numbers came: Federation of Malaya, 13; Thailand, 13; British W. Africa, 9; U.S.A., 6; Egypt, 5; Germany, 5.)

DEGREES AWARDED. *Agric. and Hort.*: B.Sc. (Agric.), 41; B.Sc. (Hort.), 15; M.Sc. (Hort.), 2; Ph.D., 2; *Appl. Sci.*: B.Sc. (Eng.), 44; B.Sc. (Min.), 15; Ph.D., 10; *Arts*: B.A., 198; M.A., 6; LL.B., 20; B.Mus., 4; Ph.D., 5; *Educn.*: M.Ed., 3; *Pure Sci.*: B. Pharm., 14; B.Sc., 120; M.Sc., 6; Ph.D., 16. *Total number of first degrees awarded*, 471.

DIPLOMAS AND CERTIFICATES AWARDED. Dip. Dairying, 15; Dip. Hort., 18; Dip. Poultry Husbandry, 2; Cert. Engl. Studies for Overseas Students, 8; Cert. Soc. Studies, 11; Cert. Theol. and Soc. Studies, 3; Cert. Educn., 105; Cert. Youth Leadership, 7; Cert. Fuel Technol., 2.

[*Information compiled as at* 12/6/54 ;
Staff list revised on 15/10/54.]

UNIVERSITY OF OXFORD*

Founded in the 12th Century

Postal Address: Oxford, England.

Telephone (Registry) : Oxford 48491.

CHANCELLOR—The Rt. Hon. THE EARL OF HALIFAX, K.G., O.M., G.C.S.I., G.C.I.E., LL.D. Sheff., D.C.L., Hon. Fellow of All Souls.

HIGH STEWARD—The Rt. Hon. LORD SIMONDS, D.C.L., Hon. Fellow of New College.

VICE-CHANCELLOR—A. H. SMITH, C.B.E., LL.D. St. And., M.A., Warden of New College.

PROCTORS—M. MACLAGAN, M.A. Trin., E. C. THOMPSON, M.A. Jes.

ASSESSOR OF THE CHANCELLOR'S COURT—C. H. M. WALDOCK, Q.C., C.M.G., O.B.E., D.C.L. All S.

PUBLIC ORATOR—T. F. HIGHAM, M.A. Trin.

BODLEY'S LIBRARIAN—J. N. L. MYRES, M.A. Ch. Ch., F.R.Hist.S.

KEEPER OF THE ARCHIVES—W. A. PANTIN, M.A. Or., F.B.A., F.R.Hist.S.

REGISTRAR—Sir DOUGLAS VEALE, C.B.E., LL.D. Melb., M.A. C.C.C.

SECRETARY OF FACULTIES—K. C. TURPIN, B.Litt., M.A. Or.

SECRETARY TO THE CURATORS OF THE UNIVERSITY CHEST—H. H. KEEN, M.A. Ball.

NOTE.—The Colleges and Heads of Colleges are given on pp. 457 ff.

TEACHING STAFF

Agriculture, v. *infra*

Anatomy, v. also Zoology, Med.

Clark, W. E. Le G., D.Sc. Lond. & Durh., M.D. Melb., M.A. Hertf., F.R.C.S., F.R.S. Dr. Lee's Prof.

Weddell, A. G. M., M.D., D.Sc. Lond., M.A. Or. Reader.

Lecturers and Demonstrators

Carleton, Mrs. Alice B., B.A., M.D. N.U.I., M.A. Som. and St. Anne's.

Barer, R., M.C., M.B., B.S., B.Sc. Lond., M.A. Hertf.

Sinclair, D. C., M.A., M.D. Edin., M.A. Or.

Crawford, G. N. C., M.B., B.S. Lond., M.A. Exe.

Powell, T. P. S., M.A.

Anglo-Saxon

Wrenn, C. L., M.A. Pemb. Rawlinson and Bosworth Prof.

* Member of the Association of Universities of the British Commonwealth.

Anthropology, Physical

Weiner, J. S., Ph.D. Lond., M.Sc. Rand, M.A. Hertf. Reader.
Roberts, D. F. B., M.A., D.Phil. Worc. U. Demr.

Anthropology, Social, v. also Sociology

Evans-Pritchard, E. E., Ph.D. Lond., M.A. All S. Prof.
Kirkwood, K., B.A. Rand, M.A. St. Ant. Rhodes Prof. of Race Relations.
Brandon, S. G. F., D.D. Leeds Wilde Lectr. in Nat. and Comp. Relig.

Senior Lecturers

Peristiany, J. G., M.A., D.Phil. Or.
Lienhardt, R. G., M.A., D.Phil. Exe.
Dumont, L. C. J., M.A. Linc.
Beattie, J. H. M., M.A., B.Litt. Linc.

Lecturer

Bohannan, P. J., M.A., B.Sc., D.Phil. Qu.

Archæol., v. also Orient. Langs.

Beazley, Sir J. D., Litt.D. Camb., Ph.D. Marb., D.Litt. Durh., M.A. Linc., F.B.A. (Classical A. and Art) Lincoln Prof.
Hawkes, C. F. C., M.A. Keble, F.R.A.I., F.B.A., F.S.A. (European A.) Prof.
Dunbabin, T. J., D.S.O., M.A. All S. (Classical A.) Reader.
Hamilton, R. W., M.A. Magd. (Nr. Eastern A.) Sr. Lectr.
*Gray, Dorothea H. F., O.B.E., M.A. St. Hu. (Homeric A.) Lectr.

Art

Waterhouse, E. K., M.B.E., A.M. Prin., M.A. Magd. (Fine Art) Slade Prof.
Horton, P. F., M.A. New Coll. (Drawing) Ruskin Master.
Pächt, O. E., Ph.D. Heidel., M.A. Or. (Med. Art) Sr. Lectr.

Astronomy

Plaskett, H. H., B.A. Tor., M.A. New Coll., F.R.S. Savilian Prof.
Adam, Madge G., M.A., D.Phil. St. Hu. U. Demr.
Treanor, Rev. P. J., M.A., D.Phil. Camp. H. Grad. Asst.
Merton, G., M.A., Ph.D. Camb. Deptl. Demr.

Biochemistry, v. also Medicine

Krebs, H. A., M.A. Camb. and Oxon., M.D. Hamburg, F.R.S. Whitley Prof.
Carter, C. W., M.A., B.M. Qu. Reader.
Woods, D. D., Ph.D. Camb., M.A. Trin., F.R.S. (Microbiol.) Reader.

Lecturers and Demonstrators

Fisher, R. B., M.A., B.Sc., D.Phil. St. Joh.
Ogston, A. G., M.A., D.Phil. Ball.
Nimmo Smith, R. H., M.B., Ch.B. Edin., M.A., D.Phil. Univ.
O'Brien, J. R. P., M.A., B.Sc. Pemb.
Parsons, D. S., D.M. Mert.
Kent, P. W., Ph.D. Birm., M.A., D.Phil. Jes.
Elliott, W. H., Ph.D. Camb., M.A. Ch. Ch.
Butt, V. S., Ph.D. Brist., M.A. Qu. Jt. Demr. with Bot. Dept.
Stocken, L. A., M.A., D.Phil. St. Cath., F.R.I.C. Sr. Res. Officer
Gascoyne-Cecil, R. A. V., M.A., D.Phil. Ball. Grad. Asst.
Torpy, D. C. Nuffield Dominion Demr.
Ord, Margery, Ph.D., B.Sc. Lond., M.A., L.M.H. Deptl. Demr.

* Common University Fund Lecturer.

M.R.C. Unit for Chemical Microbiology

Lascelles, June, D.Phil. Som.

Botanic Garden

Darlington, C. D., D.Sc. Lond., M.A. Magd., F.R.S. Sherardian Prof., Keeper.

Robinson, G. W. Supdt.

Botany, v. also Agriculture

Darlington, C. D., D.Sc. Lond., M.A. Magd., F.R.S. Sherardian Prof.

Reader, Lectr. and Demr.

James, W. O., M.A., D.Phil. Or., F.R.S.

Lecturers and Demonstrators

Hoyle, A. C., M.A., B.Sc. Pemb.

Harley, J. L., M.A., D.Phil. Qu.

Clowes, F. A. L., M.A., D.Phil. Magd.

Whitehead, F. H., M.A., D.Phil. New Coll.

Butt, V. S., Ph.D. Brist., M.A. Qu. Jt. Demr. with Biochem. Dept.

Warburg, E. F., Ph D. Camb , M.A. Ch. Ch. Druce Curator.

Bevan, E. A., B.Sc. Wales

Celtic

Foster, I. Ll., M.A. Wales and Jes. Jesus Prof.

Chemistry

Robinson, Sir R., O.M., D.Sc. Durh., Liv., Lond., Manc., Wales, Sheff., Belf., Nott., Delhi, ScD. Camb., LL.D. Birm., Edin., St. And., Glas., Liv., Manc., D.Pharm. Madrid and Paris, M.A. Magd., P.R.S., F.R.I.C. (Org. C.). Waynflete Prof.

Hinshelwood, Sir C. N., Sc.D. Dub., D.Sc. Lond., Leeds and Sheff., D.Sc., M.A. Exe., F.R.S. Dr. Lee's Prof.

Hume-Rothery, W., O.B.E., M.A., D.Sc Magd., F.R.S. (Metall.) George Kelly Reader.

Powell, H. M., M.A., B.Sc. St. Joh., F.R.S. (Chem. Crystallog.) Reader.

Lecturers and Demonstrators

Plant, S. G. P., M.A., B.Sc., D.Phil. Magd. (Org. C.).

Smith, J. C., M.Sc. N.Z., Ph.D. Manc., M.A., D.Sc. New Coll. (Org. C.).

Parkes, G. D., M.A., B.Sc., D.Phil. Keb., F.R.I.C. (Org. C.).

Waters, W. A., Ph.D., Sc.D. Camb., M.A. Ball., F.R.I.C. (Org. C.).

Barltrop, J. A., M.A., B.Sc., D.Phil. B.N.C. (Org. C.).

Tomlinson, Muriel L., M.A. Camb., M.A., D.Phil. St. Hild., F.R.I.C. (Org. C.).

Polgar, N., M.A., D.Phil. St. Cath. (Org. C).

Young, G. T., M.A., B.Sc. Birm., Ph.D. Brist., M.A. Jes. (Org. C.).

Bailey, A. S., M.A., B.Sc., D.Phil. Or. (Org. C.).

Brown, B. R., M.A., D.Phil. Or. (Org. C.) Deptl. Demr.

Brewer, F. M., M.B.E., Ph.D. Corn., M.A., B.Sc. Linc., F.R.I.C. (Inorg. C.).

Irving, H. M. N. H., M.A., D.Phil. St. Edm. H., F.R.I.C. (Inorg. C.).

Staveley, L. A. K., M.A. New Coll. (Inorg. C.).

Linnett, J. W., M.A., D.Phil. Qu. (Inorg. C.).

Woodward, L. A., D.Phil. Leipzig, M.A., B.Sc. Jes. (Inorg. C.).

Richards, R. E., M.A., D.Phil. Linc. (Inorg. C.).

Phillips, C. S. G., M.A. Mert. (Inorg. C.).

Hodgkin, Mrs. Dorothy M., M.A., B.Sc. Som., F.R.S. (Chem. Crystallog.).

Bowen, E. J., M.A., D.Sc. Univ., F.R.S. (Physical C.). Aldrichian Prælector.
Thompson, H. W., Ph.D. Berl., D.Sc., M.A., St. Joh., F.R.S. (Physical C.).
Bell, R. P., M.A. Ball., F.R.S. (Physical C.).
Sutton, L. E., M.A., D.Phil. Magd., F.R.S. (Physical C.).
Lambert, J. D., M.A. Trin. (Physical C.).
Barrow, R. F., M.A., D.Phil. Exe. (Physical C.).

Graduate Assistants

Danby, C. J., M.A., B.Sc., D.Phil. St. Joh. (Physical C.).
Goldsworthy, L. J., M.A., B.Sc. Magd. (Org. C.).
Strauss, F. B. (Org. C.).

Classics, v. also Archæol. and Greek and Latin Lit.

Dodds, E. R., D.Litt. Manc., M.A. Ch. Ch., F.B.A. (Gk.) Reg. Prof.
Mynors, R. A. B., M.A. Camb. and C.C.C., F.B.A. (Lat.) Corpus Prof.
Weinstock, S., M.A. Exe. (Roman Religion) Sr. Lectr.

Lecturers

*Wells, A. F., O.B.E., M.A. Univ. (Lat. Lit.).
*Barrett, W. S., M.A. Keb. (Gk. Lit.).
Meiggs, R., M.A. Ball. (Gk. Epigraphy).
*Bolton, J. D. P., M.A. Qu.
*Burton, R. W. B., M.A. Or.
*Dover, K. J., M.A. Ball.
*Hartley, Mildred, M.A. Camb. and Som.
*Hicken, Winifred F., M.A., D.Phil. L.M.H.
*Russell, D. A. F. M., M.A. St. Joh.
*Yorke, E. C., M.A. New Coll.
*Bryan-Brown, A. N., M.A. Worc.
*Higham, T. F., M.A. Trin.
*Mervyn Jones, D., M.A. Camb., M.A. Exe.
*Nisbet, R G. M., M.A. C.C.C.
*Stinton, T. C. W., M.A. Wadh.

Colonial Agriculture, Economics of

Beckett, W. H., M.A. Camb. Sr. Lectr.

Colonial Economic Affairs

Frankel, S. H., M.A. Rand, Ph.D., D.Sc. (Econ.) Lond., M.A. Or. and Nuffield Prof.

Colonial Economics

Myint, H., M.A. Linc. Sr. Lectr.

Colonial Government

Robinson, K. E., M.A. Hertf. Reader.
Carnell, F. G., M.A., B.Litt. Exe. Lectr.

Criminology

Grünhut, M., M.A. All S. Reader.

Diplomatic

Major, Kathleen, M.A., B.Litt. St. Hild., F.S.A., F.R.Hist.S. Reader

Economics, v. also Pol. Econ.

Jewkes, J., C.B.E., M.Com. Manc., M.A. Mert. (Ec. Organization) Prof.
Harrod, H. R. F., M.A. Ch. Ch., F.B.A. (International E.) Nuffield Reader.

Lecturers

Hugh-Jones, E. M., M.A. Keble.
*Wilson, T., O.B.E., Ph.D. Lond., M.A. Univ.
*Hall, Lady (Laura M.), M.A. Som.
*Ward-Perkins, C. N., M.A. Pemb.
*Ady, Miss Peter H., M.A. St. Anne's.
*Hargreaves, E. L., M.A. Or.

* C.U.F. Lecturer.

*Henderson, P. D., M.A. Linc.
*Kennedy, C. M., M.A. Qu.
*Leyland, N. H., M.A. B.N.C.
*Little, I. M. D., M.A., D.Phil. Trin. and Nuff.
*Wiles, P. J. de la F., M.A. New Coll.
*Balogh, T., M.A. Ball.
*Clegg, H. A., M.A. Magd. and Nuff.
*Streeten, P. P., M.A. Mall.
*Worswick, G. D. N., M.A. Magd.
*Richardson, G. B., B.A. St. Joh.
*Sargent, J. R., M.A. Worc.
*MacDougall, Sir Donald, M.A. Ball., Wadh. and Nuff.
*Andrews, P. W. S., M.A. New Coll. and Nuff.

Education

Jacks, M. L., M.A. Ball. Dir.
Loukes, H., M.A. Jes. Reader.

Lecturers and Tutors

Tomlinson, Leila, M.A. Som. Supervisor of Women Students.
Johnston, W. D., M.A. Dub., M A. Wadh.
Griffiths, V. L., M.A. Keb.
Goodrich, Rachel M., M.A. St. Hild.
Heafford, P. E., M.A. Univ.
Burrows, R. G., M.A. St. Pet.
Sprent, R. A. Le G., M.A. Trin.
Wilkinson, Violet, B.D. Lond., M.A. St. Hild. Warden of Women's Hostel.
Carpenter, P., M.A. St. Edm. Hall.
Lovelock, Miriam V., M.A. Som.

Egyptology, v. Oriental Langs.

Engineering Science, v. also Surveying

Thom, A., Ph.D., D.Sc. Glas., M.A. B.N.C. Prof.
Motz, H., Dr.Ing. Vienna, M.Sc. Dub., M.A. Magd. Donald Pollock Reader.

Lecturers and Demonstrators

Wise, B., M.A. Camb., M.A. Trin.
Campbell, J. D. E., M.A. Camb., M.A., D.Phil. Mert.
Wilson, S. S., M.A. B.N.C.

English, v. also Anglo-Saxon, Poetry

Wilson, F. P., LL.D. Birm., M.A., B.Litt. Mert., F.B.A. (E. Lit.) Merton Prof.
Tolkien, J. R. R., M.A. Mert. (E. Lang. and Lit.) Merton Prof.
Cecil, Lord David, C.H., M.A. New Coll. (E. Lit.) Goldsmiths' Prof.
Turville-Petre, E. O. G., M.A., B.Litt. Ch. Ch. (Anc. Icelandic) Reader (title of Prof.).
Davis, H. J., M.A. St. Joh. (Textual Criticism) Reader.
*Dobson, E. J., M.A., D.Phil. Jes. (E. Lang.) Reader.
*Gardner, Helen L., M.A. St. Hild. (Renaissance E. Lit.). Reader.
Smithers, G. V., M.A. Mert. (Med. E. Lang.) Reader.
Leishman, J. B., M.A., B.Litt. St. Joh. (E. Lit.) Sr. Lectr.
House, A. H., M.A. Camb. and Wadh. (E. Lit.) Sr. Lectr.

Lecturers

*Whitelock, Dorothy, M.A., Litt.D. Camb., M.A. St. Hild., F.S.A., F.R.Hist.S. (Old E.).
Campbell, A., M.A., B.Litt. Ball., F.R.Hist.S. (Med. E.).
*Coghill, N. H. K. A., M.A. Exe. (E. Lit.).
*Lascelles, Mary M., M.A., B.Litt. Som. (E. Lit.).
*Dyson, H. V. D., M.A., B.Litt. Mert. (E. Lit.).
*Griffiths, Mary E., M.A. St. Anne's (E. Lit.).
*Lea, Kathleen M., M.A. L.M.H. (E. Lit.).

* C.U.F. Lecturer.

*Bateson, F. N. W., M.A., B.Litt. Hertf. (E. Lit.).
*Bennett, J. A. W., M.A., D.Phil. Magd. (E. Lit.).
*Bamborough, J. B., M.A. Wadh.
*Bryson, J. N., M.A. Ball.
*Horwood, F. C., M.A. St. Cath.
*Houghton, Rev. R. E. C., M.A. Pet. H.
*Ing, Mrs. Catherine M., M.A., D.Phil. L.M.H.
*Morrison, Christine L., M.A. St. Anne's.
*Rice-Oxley, L., M.A. Keb.
*Stewart, J. I. M., M.A. Ch. Ch.
*Wilkinson, C. H., O.B.E., M.C., C.G., M.A. Worc.
*Robson, W. W., M.A. Linc.
*Brown, Ursula M., M.A., B.Litt. Som.
*Bayley, P. C., M.A. Univ.
*Bednarowska, Mrs. Dorothy M., M.A. St. Anne's.
*Buxton, E. J. M., M.A. New Coll.
*Gradon, Pamela O. E., Ph.D. Lond., M.A. St. Hu.
*Jack, I. R. J., M.A. Edin., M.A., D.Phil. B.N.C.
*Kean, Patricia M., M.A. L.M.H.
*Midgley, E. C., M.A., B.Litt. St. Edm. H.
*Ward, A., M.A. Wadh.
*Mackenzie, Elizabeth G. W., M.A. L.M.H.
Alton, R. E., M.A. St. Edm. H.

Ethnology

Penniman, T. K., M.A. Trin.
Curator of Pitt Rivers Museum and Hd. of Dept.

Demonstrators and Lecturers

Blackwood, Beatrice M., M.A., B.Sc. Som.
Bradford, J. S. P., M.A. Ch. Ch.
Brice, W. C., M.A. Jes.

Forestry, v. also Surveying, Rural Econ.

Champion, H. G., C.I.E., M.A., D.Sc. St. Joh. Prof.

Lecturers and Demonstrators

Chalk, L., M.A., D.Phil. Univ.
Day, W. R., M.A., B.Sc. Exe.
Lloyd, A. H., M.C., M.A. Exe.
Jones, E. W., Ph.D. Camb., M.A. Magd.
Dimbleby, G. W., M.A., B.Sc., D.Phil. Magd.
Handley, W. R. C., Ph.D. Leeds, M.A. St. Joh.
Leyton, L., Ph.D. Leeds, M.A. Qu.
Macgregor, J. J., B.Sc. Glas., M.S. Wis., M.A., B.Litt. Ball.
Edwardson, T. E., B.Sc. Edin., M.A. Wadh.
Thompson, G. H., B.A., B Sc St. Edm. H.
White, F., B.A. Camb.
Angus, A., B.Sc. Edin.
Osmaston, F. C., M.A. St. Joh.

French Language and Literature

Seznec, J. J., M.A. All S. (F. Lit.) Foch Prof.
Starkie, Enid M., M.A., D.Litt. Som. (F. Lit.) Reader.

Lecturers

*Moore, W. G., D.Litt. Stras., M.A. St. Joh.
Robson, C. A., M.A., B.Litt. Ch. Ch. (Philol. and Old F. Lit.).
*Francis, Elizabeth A., M.A. Lond. and St. Hu.
*Sutherland, Mrs. D. Rhoda, M.A. L.M.H.
*Barnes, Mrs. Annie M., M.A., D.Phil. St. Anne's.
*Crow, A. D., M.A., B.Litt. Or.
*Gerard Davis, Mrs. Mary I., M.A. St. Hild.
*Macdonald, I., M.A. Qu.
*Taylor, F. A., Chev. Lég. d'H., M.A. Ch. Ch.

* C.U.F. Lecturer.

Sayce, R. A., M.A., D.Phil. Worc.
Perman, R. C. D., M.A. Mert.
Fargher, R., B.Litt., M.A., D.Phil. St. Edm. H.
*Shackleton, R., M.A. B.N.C.
*Schwarzschild, Luise A., M.A. St. Anne's.
*Thomas, J. M., M.A., D.Phil. Wadh.
*Armstrong, Mrs. Annette E., M.A., D.Phil. Som.
*Howarth, W. D., M.A. Jes.
*Crow, Mrs. Joan, M.A. L.M.H.
*Struth, M. Le V., M.A. Exe.
*Shackleton, M., M.A. Magd.
*Barnett, F. J., B.A. Univ.
*Browne, Sheila J., M.A. St. Hild.
*Potts, D. C., M.A. Keb.
*Baldick, R. A. E., M A., D Phil. Qu

Geography, v. also Surveying

Gilbert, E. W., M.A., B.Litt. Hertf. Prof.

Senior Lecturers

Gullick, C. F. W. R., M.A., B.Litt. (Econ. G.)
Steel, R. W., M.A., B.Sc. Jes.
Martin, A. F., M.A. St. Joh.
Beckinsale, R. P., M.A. Lond., M.A., D.Phil. St. Cath.
Marshall, Mary, M.A. L.M.H.

Lecturers

Paget, E., M.A. Pemb.
Houston, J. M., M.A. Edin., M.A., B.Sc., D.Phil. Hertf.
Smith, C. G., M.A. Keb.
Sweeting, Marjorie M., Ph.D. Camb., M.A. St. Hu.

Geology and Mineralogy

Wager, L. R., M.A., Sc.D. Camb., M.A. Univ., F.R.S., F.G.S. Prof.
Ahrens, L. H., D.Sc. Pret., M.A. Ball. (Mineral.) Reader.
Sandford, K. S., T.D., M.A., D.Phil., D.Sc. Univ. (Pleistocene G.) Reader.

Lecturers and Demonstrators

Harrison, J. V., M.A. Ch. Ch.
McKerrow, W. S., M.A., D.Phil. Univ.
Whitworth, T., M.A., D.Phil. Or.
Vincent, E. A., M.A. St. Joh.

Graduate Asst.

Edmonds, J. M., M.A., B.Sc. St. Edm. H.

Geometry

Titchmarsh, E. C., M.A. New Coll., F.R.S. Savilian Prof.

German

Boyd, J., Ph.D. Heidel., M.A., B.Litt. Qu. Taylor Prof.
Bostock, J. K., Ph.D. Lond., M.A., B.Litt. Wadh. Reader.
Stahl, E. L., M.A. Cape T. and Ch. Ch., Ph.D. Berne (G. Lit.) Reader.
Barnes, H. G., Ph D. Tübingen, M.A. Magd Sr. Lectr.

Lecturers

Sayce, Mrs. Olive L., M.A. St. Hu.
Barlow, D., M.A. Qu.
Calder, W. M., M.A. Qu.
*Pasley, J. M. S., M.A. B.N.C.
Jacobs, Margaret, M.A., B.Litt. St. Hu.
McLintock, D. R., B.A. Qu. (G. Philol. and Med. G. Lit.).

Greek and Latin Literature

Lecturers

*Hardie, C. G., M.A. Magd.
*Levens, R. G. C., M.A. Mert.
*Griffith, J. G., M.A. Jes.
*Bond, G. W., B.A. Dub., M.A. Pemb.

Greek, Byzantine and Modern Lang. and Lit.

Trypanis, C. A., D.Phil. Athens, M.A. Exe. Bywater & Sotheby Prof.

* C.U.F. Lecturer.

Fletcher, R. A., D.S.C., M.A. Trin. (Mod. G.) Lectr.

Hebrew, v. Oriental Langs.

History, American

Woodward, C. V., M.A. Col., Ph.D. N. Carolina, M.A. Qu. H. V. Harmsworth Prof. (1954–55).

History, Ancient, v. also Archæol.

Syme, R., M.A. B.N.C., F.B.A. Camden Prof.

Andrewes, A., M.A. New Coll. Wykeham Prof.

Lecturers

*Balsdon, J. P. V. D., M.A. Exe.

*Sherwin-White, A. N., M.A. St. Joh.

*Chilver, G. E. F., M.A., D.Phil. Qu.

*Henderson, Mrs. M. Isobel, M.A. Som.

*Lepper, F. A., M.A. C.C.C.

*Stevens, C. E., M.A., B.Litt. Magd.

Fraser, P. M., M.A. B.N.C. (Hellenistic H.).

*Gray, E. W., M.A. Ch. Ch.

*Harrison, A. R. W., M.A. Mert.

*Hignett, C., M.A. Hertf.

*Holladay, A. J., M.A. Trin.

*Brunt, P. A., M.A. Or.

*Cawkwell, G. L., M.A. Univ.

*Jeffery, Lilian H., M.A., D.Phil. L.M.H.

Forrest, W. G. G., B.A. Wadh.

de Ste-Croix, G. E. M., B.A. Lond., M.A. New Coll.

History of the British Empire

Harlow, V. T., C.M.G., M.A., D.Litt. Ball., F.R.Hist.S. Beit Prof.

Madden, A. F., M.A., B.Litt., D.Phil. Ch. Ch. Beit Lectr.

History, Eccl., v. Theology

History, Econ. and Social

Briggs, A., B.Sc. Lond., M.A. Camb. and Worc. Reader.

History, Indian

Davies, C. C., Ph.D. Camb., M.A. Ball., F.R.Hist.S. Reader.

History, Mediæval

Lecturers

McKisack, May, M.A., B.Litt. Som., F.R.Hist.S. (14th cent.).

*Pantin, W. A., M.A. Or., F.B.A., F.R.Hist.S. (Med. Archæol.).

McFarlane, K. B., M.A. Magd., F.R.Hist.S. (Late Med.).

History, Modern, v. also Dipl.

Galbraith, V. H., D.Litt. Belf., Litt.D. Manc., M.A. Or., F.B.A. Reg. Prof.

Jacob, E. F., M.A., D.Phil. All S., F.B.A., F.S.A., F.R.Hist.S. Chichele Prof.

Wernham, R. B., M.A. Worc., F.R.Hist.S. Prof.

Beloff, M., B.Litt., M.A. C.C.C., F.R.Hist.S. (Comp. Study of Institutions) Reader.

Lecturers

Taylor, A. J. P., M.A. Magd. (International H.).

*Cox, A. D. M., M.A. Univ.

*Hurnard, Naomi D., M.A., D.Phil. L.M.H., F.R.Hist.S.

*Armstrong, C. A. J., M.A. Hertf., F.R.Hist.S.

*Southern, R. W., M.A. Ball., F.R.Hist.S.

*Smalley, Beryl, M.A., Ph.D. Manc., M.A. St. Hild., F.R.Hist.S.

*Hill, J. E. C., M.A. Ball., F.R.Hist.S.

*Reeves, Marjorie E., Ph.D. Lond., M.A. St. Anne's, F.R.Hist.S.

*Ramsay, G. D., M.A., D.Phil. St. Edm. H., F.R.Hist.S.

* C.U.F. Lecturer.

*Gough, J. W., M.A. Or.
*Collieu, E. G., M.A., B.Litt. B.N.C.
*Markham, F. M. H., M.A. Hertf.
*Prestwich, J. O., M.A. Qu.
*Maclagan, M., M.A. Trin.
*Rodger, A. B., M.A. Ball.
*Bullock, A. L. C., M.A., Censor of St. Cath.
Trevor-Roper, H. R., M.A. Ch. Ch., F.R.Hist.S. (16th and 17th centuries).
*Barr, W. G., M.A. Exe.
*Allen, H. C., M.C., M.A. Linc.
*Bell, H. E., M.A. New Coll., F.R.Hist.S.
*Bromley, J. S., M.A. Keb.
*Costin, W. C., M.C., M.A. St. Joh.
*Joll, J. B., M.A. St. Ant.
*Kemp, Betty, B.A. Manc., M.A. St. Hu.
*Leys, Mary D. R., M.A. St. Anne's, F.R.Hist.S.
*Bueno de Mesquita, D. M., Ph.D. Camb., M.A. Ch. Ch., F.R.Hist.S.
*Prestwich, Mrs. Menna, M.A. St. Hild., F.R.Hist.S.
*Smith, E. H. F., M.A. Pet. H.
*Somerset, H. V. F., M.A. Worc.
*Stuart, C. H., M.A. Ch. Ch.
*Thompson, A. F., M.A. Wadh.
*Wallace-Hadrill, J. M., M.A. Mert.
*Watson, J. S., M.A. Ch. Ch.
*Whiteman, E. Anne O., M.A., D.Phil. L.M.H.
*Butler, L. H., M.A., D.Phil. All. S.
*Carr, A. R. M., M.A. New Coll.
*Colvin, H. M., M.A. St. Joh.
*Leyser, K. J., M.A. Magd.
*Price, F. D., M.A., B.Litt. Keb.
*Brock, M. G., M.A. C.C.C.
*Cooper, J. P., M.A. All S.
*Hale, J. R., M.A. Jes.
*McManners, Rev. J., M.A. St. Edm. H.
*Pelling, H. M., M.A. Camb., M.A. Qu.
*Pitt, H. G., M.A. Worc.
*Stone, L., M.A. Wadh.
*Stoye, J. W., M.A. Magd.
*Williams, P. M., M.A. Trin. and Nuff.
*Alington, G., M.A. Univ.
*Green, Rev. V. H. H., M.A., B.D. Camb., M.A., B.D. Linc., F.R.Hist.S.
*Crompton, J., M.A., B.Litt. Univ. and B.N.C.
*Highfield, J. R. L., M.A., D.Phil. Mert.
*Sutherland, Lucy S., C.B.E., M.A., Prin. of L.M.H.
*Wood, Mrs. Susan M., M.A., B.Litt. St. Hu.
*Aston, T. H., M.A. C.C.C.
*Davies, K. G., M.A. New Coll.
*Mason, J. F. A., M.A.
*Hart, Jenifer M. M., M.A. St. Anne's.
*Ramm, Agatha, M.A. Lond., M.A. Som.
*Holmes, G. A., M.A. St. Cath.
*Morris, Rev. C., M.A. Pemb.
Pares, R., M.A. All.S.

History of Near East, Modern

Hourani, A. H., M.A. Magd.
Lectr.

History of War

Gibbs, N. H., M.A., D.Phil. All S.
Chichele Prof.

Industrial Relations

Flanders, A. D., M.A. Ball.
Sr. Lectr.

International Relations

Headlam-Morley, Agnes, M.A., B.Litt. St. Hu.
Montague Burton Prof.

* C.U.F. Lecturer.

Italian

d'Entrèves, A. P., LL.D. Turin, M.A., D.Phil. Magd., F.R.Hist.S. Serena Prof.

Lecturers

Grayson, C., M.A. St. Edm. H.
Drake, Evelyn C. M., M.A. Som.
*Bickley, Olga D., D. in Litt. Genoa, M.A. St. Hu.

Law, v. *infra*

Local Government

Keith-Lucas, B., M.A. Qu. Sr. Lectr.

Logic

Price, H. H., M.A., B.Sc. New Coll., F.B.A. Wykeham Prof.

Mathematics

Coulson, C. A , M.A., Ph.D. Camb., D.Sc. St. And., M.A. Wadh., F.R.S. Rouse Ball Prof.
Chaundy, T. W., M.A., D.Sc. Ch. Ch. Reader.

Lecturers

*Haslam-Jones, U. S., M.A., D.Phil. Qu.
*Thompson, J. H. C., M.A., D.Phil. Wadh.
*Ferrar, W. L., M.A., D.Sc. Hertf.
*Kendall, D. G., M.A. Magd.
*Thompson, E. C., M.A. Jes.
*Busbridge, Ida W., M.Sc. Lond., M.A., D.Phil. St. Hu.
*Geoghegan, Mrs. Kathleen, M.Sc. Lond., Ph.D. Edin., M.A. Som.
Phillips, E. G., M.A., D.Phil. Magd.
*Watson, P. D., M.A., D.Phil. Mert.
*De Wet, J. S., M.A. Ball. (Math. Phys.)
*Mauldon, J. G., M.A. C.C.C.
*Cobbe, Anne P., M.A., D.Phil. L.M.H.
*Davies, H., M.A., D.Phil. Ch. Ch.
*Paechter, G. F., M.A. Magd.
*Edwards, D. A., B.A. C.C.C.

Junior Lecturer

James, I. M., M.A., D.Phil. Qu.

Mathematics, Pure

Whitehead, J. H. C., M.A. Magd., F.R.S. Waynflete Prof.

Medicine, v. *infra*

Meteorology, v. Physics

Mineralogy, v. Geology

Music

Westrup, J. A., B.Mus., M.A., Hon. D.Mus. Wadh. Heather Prof.
Wellesz, E. J., M.A , Hon. D.Mus. Linc., F.B.A. (Byzantine M.) Reader.
Harrison, F. Ll , Mus.D. Dub., M.A., D.Mus. Mert. Choragus and Lectr.

Lecturers

Armstrong, T. H. W., M.A., D.Mus. Ch. Ch.
Andrews, H. K., D.Mus. Dub., M.A., D.Mus. New Coll.
Rubbra, C. E., M.A. Worc.
*Rose, B. W. G., M.A. Qu.
*Towneley-Worsthorne, S. P. E. C. W., M.A., D.Phil. Worc.

Numismatics

Robinson, E. S. G., C.B.E., M.A. Ch. Ch., F.B.A. Reader.
Sutherland, C. H. V., M.A., D.Litt. Ch. Ch. Lectr.

Oriental Languages, v. *infra*

Palæography

Ker, N. R., M.A., B.Litt. Magd. Reader.

Papyrology

Lobel, E., M.A. Qu. Reader.
Barns, J. W. B., M.A., D.Phil. Univ. Sr. Lectr.

* C.U.F. Lecturer.

Hunt, R. W., M.A., D.Phil. Ball. (P. and transmission of Class. Lat. Texts) Lectr.

Philology, Comparative

Palmer, L. R., B.A. Wales, D.Phil. Vienna, Ph.D. Camb., M A. Worc. Prof.

Philology, Comp. Slavonic

Unbegaun, B. O., D. ès L. Paris, M.A. B.N.C. Prof.

Philosophy

Minio-Paluello, L., M.A., D.Phil. Or. (Med. P.) Sr. Lectr.

Owen, G. E. L., M.A., B.Phil. C.C.C. (Anc. P.) Lectr.

Lecturers*

Mabbott, J. D., C.M.G., M.A., B.Litt. St. Joh.

Kneale, W. C., M.A. Exe., F.B.A.

Robinson, R., M.A., B.Litt. Or.

Macnabb, D. G. C., M.A. Pemb.

Paul, G. A., M.A. Camb., M.A. Univ.

Cox, H. H., M.A. Linc.

Walsh, W. H., M.A. Mert.

Grice, H. P., M.A. St. Joh.

Weldon, T. D., M.C., M.A. Magd.

Urmson, J. O., M.C., M.A. Ch. Ch.

Nowell-Smith, P. H., M.A. Trin.

Strawson, P. F., M.A. Univ.

Kneale, Mrs. Martha, M.A. L.M.H.

Beck, L. J., M.A., D.Phil. Mert.

Corbett, J. P., M.A. Ball.

Crombie, I. M., M.A. Wadh.

Dick, M. W., M.A. Ball.

Foot, Mrs. Philippa R., M.A. Som.

Foster, M. B., M.A. Ch. Ch.

Hampshire, S. N., M.A. New Coll.

Hare, R. M., M.A. Ball.

Mitchell, B. G., M.A. Keb.

Mitchell, D., M.A. Worc.

Murphy, N. R., M.A. (Prin. of Hertf.).

Turner, Rev. V. G., M.A. Camp.H.

Warnock, G. J., M.A. Magd.

McKie, J. I., M.A. B.N.C.

Gardiner, P. L., M.A. Wadh.

Murdoch, Jean I., M.A. St. Anne's.

Pears, D. F., M.A. C.C.C.

Quinton, A. M., M.A. All S.

Sutton, C. W. H., M.A. Pet. H.

Ackrill, J. L., M.A. B.N.C.

Warnock, Mrs. Helen M., M.A., B.Phil. St. Hu.

Waismann, F., M.A. New Coll. (P. of Maths.) Reader.

Wood, O. P., M.A. Magd.

Toulmin, S. E., M.A. Camb., M.A. New Coll. (P. of Science) Lectr.

Dummett, M. A. E., B.A. All S.

Simopoulos, J. C., M.A., B.Phil. St. Cath.

Gould, J. P. A., M.A. Ch.Ch.

Philosophy, Mental, v. also Logic

Farrell, B. A., M.A., B.Litt. Ball. Wilde Reader.

Philosophy, Metaphysical

Ryle, G., M.A. Magd. Waynflete Prof.

Philosophy, Moral

Austin, J. L., M.A. C.C.C. White's Prof.

Philosophy, Natural

Temple, G., Ph.D., D.Sc. Lond., M.A. Qu., F.R.S. Sedleian Prof.

Physics

Cherwell, Rt. Hon. Lord, C.H., Ph.D. Berl., M.A., LL.D. Aberd., M.A. Wadh. and Ch. Ch., F.R.S. (Exper. Philos.) Dr. Lee's Prof.

Weisskopf, V. F. Dep. for Wykeham Prof.

Dobson, G. M. B., C.B.E., M.A. Camb., M.A., D.Sc. Mert., F.R.S. (Meteorol.) (title of Prof.).

* C.U.F. Lecturer.

Simon, Sir F. E., C.B.E., Ph.D. Berl., M.A. Ch. Ch., F.R.S. (Thermodynamics) Prof. (by decree).

Lecturers and Demonstrators

Keeley, T. C., C.B.E., M.A. Camb., M.A. Wadh.
Bleaney, B., M.A., D.Phil. St. Joh., F.R.S.
Collie, C. H., M.A., B.Sc. Ch. Ch.
Cooke, A. H., M.A., D.Phil. New Coll.
Davies, W. T., M.A. Keb.
Griffiths, J. H. E., O.B.E., M.A., D.Phil. Magd.
Kuhn, H. G , D.Phil. Gött., M.A. Ball., F.R.S.
Kurti, N., Ph.D. Berl., M.A. B.N.C.
Mendelssohn, K. A. G., M.A. Wadh., F.R.S.
Price, F. V., M.A., B.Sc , D.Phil. Worc.
Roaf, D., M.A., D.Phil. Ch. Ch.
Rollin, B. V., M.A., D.Phil. Wadh.
Sanders, J. H., M.A., D.Phil. Hertf.
Series, G. W., M.A., D.Phil. St. Joh.
Spiers, J. A., M.A., D.Phil. Wadh. (Theoret. P.) Sr. Lectr.
Brewer, A. W., Ph.D. Lond., M.A. Qu. (Meteorol.) Sr. Lectr.
*Bagguley, D. M. S., M.A., D.Phil. B.N.C.
*Hurst, C., M.A., D.Phil. Jes. Lectr.

Sr. Research Officer

Shaw, P. F. D., M.A., D.Phil. Jes.

Physiology, v. also Medicine

Liddell, E. G. T., D.M. Magd., F.R.S. Waynflete Prof.
Coxon, R. V., M.D. Lond., M.A., D.Phil. Exe., F.R.C.S. (Hum. Physiol.) Reader.

Lecturers and Demonstrators

Creed, R. S., T.D., D.M. New Coll.
Leach, E. H., M.A., B.Sc. B.N.C.
Glees, F. P., M.D. Bonn, M.A., D.Phil. St. Cath.
Gordon, G., D.M., B.Sc. B.N.C.
Phillips, C. G., B.Sc., D.M. Trin.
Cunningham, D. J. C., M.B., Ch.B. Edin., M.A. Univ.
Banister, Rachel J., B.Sc. Edin., M.A. Som.
Lloyd, B. B., M.A. Magd.
Fillenz, Marianne, M.B., Ch.B. N.Z., D.Phil. St. Hild.
Jamison, D. G., M.A., B.M. C.C.C.
Torrance, R. W., M.A., B.Sc., B.M. St. Joh. Sr. Research Officer.
Kay, R. H., M.A., D.Phil. Mert.

Poetry

Day Lewis, C., C.B.E., M.A. Wadh., F.R.S.L. Prof.

Political Economy

Hicks, J. R., M.A., B.Litt. All S., F.B.A. Drummond Prof.
Habakkuk, H. J., M.A. Camb., M.A. All S., F.R.Hist.S. Chichele Prof. (Econ. Hist.).
Hoskins, W. G., M.Sc. (Econ.), Ph.D. Lond., M.A. Ch. Ch. (Econ. Hist.) Reader.
Schenk, H. G. A. V., M.A., D.Phil. Exe. (European Econ. and Social Hist.) Lectr.

Political Theory and Institns.

Wheare, K. C., C.M.G., M.A. Melb. and All S. (Govt. and Pub. Admin.) Gladstone Prof.
Cole, G. D. H., M.A. All S. (Soc. and Polit. Theory) Chichele Prof.
Plamenatz, J. P., M.A. All S. (Soc. and Polit. Theory) Lectr.

* C.U.F. Lecturer.

Politics

Lecturers

*Harrison, W., M.A. Qu.
*Nicholas, H. G., M.A. New Coll.
Hicks, Mrs. Ursula K., M.A. Som. (Pub. Finance).
*Seton-Watson, C. I. W., M.C., M.A. Or.
McCallum, R. B., A.M. Prin., M.A.
*Blake, R. N. W., M.A. Ch. Ch.
*Crowe, Sybil E., M.A. St. Hild.
*Tite, K., M.A. Magd.
*Balogh, T., M.A. Ball.
*Berlin, I., C.B.E., M.A. All S
*Elder, N. C. McA., M.A. St. Joh.
*Knapp, W. F., M.A. St. Cath.
*Hunt, N. C., M.A. Exe.
*Pakenham, Rt. Hon. Lord, M.A. Ch. Ch.
*Foot, M. R. D., M.A., B.Litt. New Coll.
*Paul, Mrs. Margaret E., M.A., B.Phil. St. Hild.
Perham, Margery F., O.B.E., LL.D. St. And., M.A. St. Hu. and Nuff.

Portuguese Studies

Cabral, A. L. C. de O., M.A. St. Cath. Lectr.

Psychology (Institute of Experimental)

Humphrey, G., Ph.D. Harv., M.A. Camb., M.A. Magd., F.R.S.C. Prof. and Dir.
Babington Smith, B., M.A. Camb., M.A. New Coll. (Exp. P.) Sr. Lectr.
Deutsch, J. A., M.A. Jes. (Gen. P.) Lectr.
Kay, H., M.A. Camb. and Univ. Lectr.
Watson, A. J., B.A. Ch. Ch. (Exp. P.) Jr. Lectr.

Romance Langs.

Ewert, A., Chev. Lég. d'H., M.A. Trin. Prof.

Rural Economy, v. *infra*, Agriculture

Russian

Konovalov, S., M.A., B.Litt. New Coll. Prof.
Obolensky, Prince D., Ph.D. Camb., M.A. Ch. Ch. (R. and Balkan Mediæval Hist) Reader.
Gorodetzky, Nadejda, M.A., B.Litt., D.Phil. St. Hu. Lectr.
Foote, I P, M A. St. Edm. H.

Scientific Experiment, Design and Analysis of

..... Reader.

Social Studies, v. Economics, Political Econ., Political Theory and Institns., Politics

Sociology

Mogey, J. M., D.Sc. Belf., M.A. Univ. Lectr.
Lienhardt, R. G., M.A., D.Phil. (African S.) Sr. Lectr.
Dumont, L. C. J., M.A. Linc. (Indian S.) Lectr.

Spanish

Russell, P. E. L. R., M.A. Exe. King Alfonso XIII Prof.
Kolkhorst, G. A, M.A. Exe. Reader.
Jones, C. A., M.A. Magd. Lectr.
Pring-Mill, R. D. F., B.A. Magd. Lectr.
Hodcroft, F. W., M.A. Exe. Lectr.
Chapman, W. G., M.A. Aberd., M.A. Qu. Pt.-time Lectr.

Statistics

Champernowne, D. G., M.A. Camb. and New Coll. Prof.

* C.U.F. Lecturers.

Burchardt, F. A., D.Phil. Kiel, M.A. Magd.
Dir. of Inst. and Reader in Econ. and Soc. S.
Seers, D. G., M.A. Qu. (Ec. S.)
Lectr.

Surveying (for Engin., Agric., Forestry, Geog. Students and Col. Admin. Services probrs.)

Bomford, G., D.Sc., M.A. B.N.C.
Reader.
Robbins, A. R., M.A., B.Sc. Hertf.
Lectr.

Theology, v. *infra*

Zoology and Comp. Anat., Zoological Field Studies and Zoology (Entomology), v. also Agric.

Hardy, A. C., M.A., D.Sc. Mert., F.R.S.
Linacre Prof.
Varley, G. C., M.A., Ph.D. Camb., M.A. Jes. (Entomol.)
Hope Prof.

Readers

Elton, C. S., M.A. C.C.C., F.R.S. (Animal Ecol.).
Ford, E. B., M.A., D.Sc. Wadh., F.R.S. (Genetics).
Baker, J. R., M.A., D.Phil., D.Sc. New Coll. (Cytol.).
Reader, Lectr. and Demr.
Tinbergen, N., M.A. Mert. (Animal Behaviour)
Lectr.

Lecturers and Demonstrators

Pusey, H. K., M.A. St. Edm. H.
Needham, A. E., M.A., B.Sc. St. Joh.
Holmes, W., M.A., D.Phil. St. Joh.
Hobby, B. M., M.A., D.Phil. Qu. (Entomol.).
Cain, A. J., M.A., D.Phil. Magd. (Animal Taxonomy).
Fischberg, M., Ph.D. Zür., M.A.
J.W. Jenkinson Memorial Lectr.
Graham, M. W. R. de V., B.A. Dub., M.A. Or. (Entomol.).

Sr. Research Officers

Lack, D., M.A., Sc.D. Camb., M.A. Magd., F.R.S. (Ornith.).
Chitty, D. H., M.A. St. Cath. (Bureau of Animal Pop.).
Southern, H. N., M.A. Qu. (Bureau of Animal Pop.).
Leslie, P. H., M.A. Ch. Ch. (Bureau of Animal Pop.).

Agriculture

Blackman, G. E., M.A. St. Joh.
Sibthorpian Prof. of Rural Economy.
Russell, E. W., M.A. B.N.C. (Soil Sci.)
Reader.

Lecturers and Demonstrators

Amery, G. D., M.C., M.A. B.N.C.
Clarke, G. R., M.A., B.Sc. Or.
Russell, R. S., M.A. Camb., M.A. B.N.C.
Soper, M. H. R., M.A. Camb., M.A. Qu.
Masefield, G. B., M.A. Ball. (Colonial A.)
Harper, J. L., M.A., D.Phil. Magd.
Barry, J. M., M.A. Qu.
Clarke, J. R., M.A., D.Phil. St. Joh.
Lucas, R. L., M.A., Ph.D. Camb. and New Coll.

Senior Research Officer

Martin, R. P., M.A., D.Phil. Magd.

Librarian

Shepherd, R. T., M.A. Jes.

Agrarian Affairs (Institute)

Dixey, R. N., M.A. St. Joh. Dir.

Agr. Economics (Agr. Econ. Research Inst.)

Clark, C. G., M.A. B.N.C. Dir.

Lecturers and Demonstrators

Hunt, K. E., M.A. Exe.
Hirsch, G. P. H., M.A. Linc. (Rural Soc. Organization).
Bellerby, J. R., B.Com., M.A. Leeds, M.A. Qu.

Maunder, A. H., B.Sc. R'dg., M.S. Corn., M.A. Linc.
Antill, A. G., M.A. St. Cath.

Sr. Research Officers
Dixey, R. N., M.A. St. Joh.
Manning, Phyllis A., M.A. Manc., Ph.D. Lond.

Research Officer
Allen, G. R., M.A. Exe.

Deptl. Demr.
Jones, J. O., B.A. B.N.C.

Librarian
Truman, Joan, M.A. L.M.H.

Law

Civil
Jolowicz, H. F., M.A., LL.D. Camb., D.C.L. All S. Reg. Prof.

Comparative
Lawson, F. H., D.C.L. B.N.C. Prof.

Conflict of Laws
Morris, J. H. C., D.C.L. Magd. Reader.

Criminal, and Evidence
Landon, P. A , M.C., M.A. Trin. Reader.

English
Hanbury, H. G., D.C.L. Linc. Vinerian Prof.
Fifoot, C. H. S., M.A. Hertf. All Souls Reader.

Lecturers*
Tylor, T. H., M.A., B.C.L. Ball.
Brown, A. B., M.A., B.C.L. Worc.
Davidge, C. V., M.A., B.C.L. Keb.
Marsh, N. S., M.A., B.C.L. Univ.
Butterworth, J. B., M.A. New Coll.
Cross, A. R. N., M.A., B.C.L. Magd.
Carter, P. B., C.G., M.A., B.C.L. Wadh.
Hall, G. D. G., M.A. Exe.
Heuston, R. F. V., B.A., LL.B. Dub., M.A. Pemb.
Honoré, A. M., M.A., B.C.L. Qu.
Jones, H. J. F., M.A. Mert.
Maudsley, R. H., LL.B. Birm., M.A., B.C.L. B.N.C.
Slade, E., M.A. St. Joh.
Goff, R. L. A., B.A. Linc.
Yardley, D. C. M., M.A., D.Phil. St. Edm. H.

International (Public)
Waldock, C. H. M., Q.C., C.M.G., O.B.E., D.C.L. All S. Chichele Prof.

Jurisprudence
Hart, H. L. A., M.A. Univ. Prof.

Roman
Nicholas, J. K. B. M., M.A. B.N.C. All Souls Reader.

Roman-Dutch
Lee, R. W., D. de l'U. Lyons, LL.D. Rand, D.C.L. All S., F.B.A. Rhodes Prof.

Medicine

(for subjects of the first 2 yrs.—Anat., etc., v. *supra*)

Anæsthetics
Macintosh, R. R , D.M. Pemb., F.R.C.S.Ed. Nuffield Prof

Bacteriology, v. *Pathology*

Biochemistry, Clinical
O'Brien, J. R. P., M.A., B.Sc. Pemb. Lectr. and Demr.

Diseases

Clinical Lecturers
Carleton, Mrs. Alice B., B.A., M.D. N.U.I., M.A. St. Anne's and Som. (Skin).
Macbeth, R. G., D.M. Or., F.R.C.S.Ed. (Ear, Nose, Throat).
Smallpeice, Victoria, M.D. Lond., M.A. Som. (Children).

* C.U.F. Lecturer.

Hæmatology

Macfarlane, R. G., M.D. Lond., M.A. Ch. Ch. Radcliffe Lectr.

Medicine

..... Reg. Prof.

Smith, Hon. Honor M. V., B.Sc., M.B., B.S. Lond., M.A. St. Hu. May Reader

Medicine, Clinical

Witts, L. J., M.D. Manc., D.M. Magd., F.R.C.P. Nuffield Prof.

Clinical Lecturers

Cooke, A. M., D.M. Mert., F.R.C.P.

Hobson, F. G., D.M. New Coll.

Mallam, P. C., D.M. Univ.

Medicine, Social

Stewart, Mrs. Alice M., M.D. Camb., M.A. L.M.H. Reader.

Neurology

Ritchie Russell, W., C.B.E., M.D. Edin , M.A. Linc., F.R.C.P. Ed., F.R.C.P. Clin. Lectr.

Nutrition, Human

Sinclair, H. M., D.M., B.Sc. Magd. Dir. of Lab.

Lloyd, B. B., M.A. Magd. (Physiol) U. Demr.

Senior Research Officers

Meek, G. A., M.A. Magd.

Acheson, R. M., M.A., D.Phil., B.Sc. Magd.

Obstetrics and Gynæcology

Moir, J. C., M.D. Edin., D.M. Or., F.R.C.S.Ed., F.R.C.O.G. Nuffield Prof.

Stallworthy, J. A., M.B., Ch.B. N.Z., M.A. Qu., F.R.C.S. Clin. Lectr.

Ophthalmology

Pirie, Mrs. Antoinette, M.A. Som. Margaret Ogilvie's Reader.

Van Heyningen, Mrs. Ruth E., M.A. Camb., M.A., D.Phil. Som. Res. Asst.

Orthopædic Surgery

Trueta, J. A., Chev. Lég. d'H., M.D. Barcelona, D.Sc., M.A. Worc., F.R.C.S. Can. Nuffield Prof.

Foley, W. B., M.B., B.S. Lond., F.R.C.S. Clin. Lectr.

Pathology and Bacteriology, v. also Anat.

Florey, Sir H. W., Comm. Lég. d'H., M.A., Ph.D. Camb., M.D. Adel. and Lyons, D.Sc. Sheff. and Birm., M.A., B.Sc. Linc., F.R.S., F.R.C.P. Prof.

Gladstone, G. P., M.B., B.S. Lond., M.A. Ch. Ch. (Bacteriol.) Reader.

Robb-Smith, A. H. T., M.D. Lond., M.A. Or. Nuffield Reader, and Dir. of Pathol., Radcliffe Infirmary.

Lecturers and Demonstrators

Vollum, R. L., M.A., D.Phil. Linc.

Jennings, Hon. Mrs. Margaret A., D M. L.M.H.

French, J. E., D.M. Exe.

Senior Research Officers

Sanders, A. G., M.B., B.S. Lond., M.A., D.Phil. Linc.

Abraham, E. P., M.A., D.Phil. Linc.

Heatley, N. G., M.A., Ph.D. Camb., M.A. Linc.

Van Heyningen, W. E., M.A. Exe.

Daniel, P. M., M.A., M.B., B.Chir. Camb., M.A. New Coll. (P. and Bact.) (Radcliffe Infirmary).

Pharmacology

Burn, J. H., M.D. Camb., M.A. Ball., F.R.S. Prof.

Ing, H. R., M.A., D.Phil. New Coll., F.R.S. (Chem. P.) Reader.

Bülbring, Edith, M.A. L.M.H. Lectr. and Demr.

Walker, J. M., B.Sc., D.M. Worc. Lectr. and Demr.
Vaughan Williams, E. M., B.Sc., D.M. Wadh. Lectr. and Demr.
Blaschko, H. K. F., Ph.D. Camb., M.A. Ball. Sr. Res. Officer.

Physiology, Human, v. Physiology, *supra*.

Psychiatry

Armstrong, R. W., M A. Linc., B.Sc., M.D. Belf. Clin. Lectr.

Radiology

Kemp, F. H., M.B., Ch.B. Birm. Clin. Lectr.

Surgery

Allison, P. R., B.Sc., Ch.M. Leeds, D.M., F.R.C.S. Nuffield Prof.
Kilner, T. P., C.B.E., M.B., Ch.B. Manc., M.B., B.S. Lond., D.M. St. Joh., F.R.C.S. Nuffield Prof. of Plastic S.

Clinical Lectrs.

Abernethy, D. A., B.M., M.A. Ball., F.R.C.S.Ed.
Corry, D. C., M.D. Lond., M.A. Linc., F.R.C.S.
Elliot Smith, A., M.A. Camb., F.R.C.S.
Scott, J. C., M.B., M.S. Tor., M.A. Or., F.R.C.S.

Tropical Medicine

Macarthur, Sir W. P., K.C.B., O.B.E., D.S.O., M.D. Belf., M.B., B.Ch., B.A.O. N.U.I., D.Sc. Belf. and Oxon., D.T.M. & H. Camb., D.P.H., F.R.C.P., F.R.C.P.I. Clin. Lectr.

Oriental and African Languages

Arabic

Gibb, Sir Hamilton A. R., Chev. Lég. d'H., M.A. Lond., Edin. and St. Joh., F.B.A. Laudian Prof.
Al-Khalidi, W. A. S., B.Litt. Univ. Lectr.

Arabic and Greek Philosophy

Walzer, R. R., M.A. Or. Sr. Lectr.

Aramaic and Syriac

Brockington, Rev. L. H., M.A. St. Cath. Sr. Lectr.

Assyriology

Gurney, O. R., M.A., D.Phil. New Coll. Shillito Reader.

Chinese

Dubs, H. H., B.A. Yale, B.D. Union Theol. Seminary, M.A. Col., Ph.D. Chic., M.A. Univ. Prof.
Wu, S. C., M.A. Qu. Sr. Lectr.
Hawkes, D., M.A. Ch. Ch. Lectr.
Bownas, G , M.A. Qu. (C. and Japanese) Lectr.

Eastern Religions and Ethics

Zaehner, R. C., M.A. All S. Spalding Prof.

Egyptology

Černý, J , Ph. Dr. Prague, M A. Qu. Prof.

Hebrew

Simpson, C. A., D D. Ch. Ch. Reg. Prof.
Driver, G. R., M.C., D.D. Aberd., D.Litt. Durh., M.A. Magd., F.B.A. (Semitic Philol.). Prof. and Reader.

Islamic Studies

Lewis, G. L., M A., D.Phil. St. Joh. Sr. Lectr.

Jewish Studies

Roth, C., M.A., B.Litt., D.Phil. Mert., F.R.Hist.S. Reader.
Rabin, C., M.A., D.Phil. Ch. Ch. (Post-Biblical Hebrew) Cowley Lectr.

Persian

Morrison, G., M.A. C.C.C. Lectr.

Sanskrit

Burrow, T., Ph.D. Camb., M.A. Ball. Boden Prof.

Swahili

Maguire, R. A. J., M.A. Dub. and Or. Lectr.

Theology

Taylor, V., Ph.D., D.D. Lond. (Biblical Studies) Speaker's Lectr.

Lecturers

*Williams, Rev. C. S. C., M.A. Mert. (N. Test.).

Cadman, W. H., M.A., B.Litt. St. Cath. (N. Test.).

Mathew, A. G., M.A. Ball., F.R.Hist.S. (Byzantine Studies).

*Milburn, Rev. R. L. P., M.A. Camb. and Worc. (Church Hist).

*Kemp, Rev. E. W., M.A., B.D. Exe., F.R.Hist.S. (Canon Law).

*Kelly, Rev. J. N. D., M.A. Glas., D.D., Prin. of St. Edm. H. (Patristic Studies).

*Parker, Rev. T. M., M.A. Univ.

*Evans, Rev. C. F., M.A. Camb. and C.C.C.

*Whiteley, Rev. D. E. H., M.A. Jes.

*Adams, Rev. A. W., M.A. Sheff. and Magd., B.D.

*Stead, Rev. G. C., M.A. Camb. and Keb.

*Porter, Rev. J. R., M.A. Or.

*Woollcombe, K. J., M.A. St. Joh.

Divinity

Hodgson, Rev. Canon L., D.C.L. Bishop's, S.T.D. Theol. Sem. N.Y., D.D. Edin. and Ch. Ch. Reg. Prof.

Cross, Rev. Canon F. L., B.Sc. Lond., D.Phil., D.D. Ch. Ch. Lady Margaret Prof.

Eastern Orthodox Culture

Zernov, N., M.A., D.Phil. Keb. Spalding Lectr.

Ecclesiastical History

Jenkins, Rev. Canon C., D.D. Ch. Ch., F.S.A., F.R.Hist.S. Reg. Prof.

Exegesis

Kilpatrick, Rev. G. D., B.A. Lond., D.D. New Coll. Dean Ireland's Prof.

Interpretation of Holy Script

Sparks, Rev. H. F. D., D.D. Or. Oriel Prof.

Moral and Pastoral Theology

Demant, Rev. Canon V. A., B.Sc. Durh., M.A., D.Litt. Ch. Ch. Reg. Prof.

Nat. and Comparative Religion

Brandon, S. G. F., D.D. Leeds. Wilde Lectr.

Philos. of Christian Religion

Ramsey, Rev. Canon I. T., M.A. Camb., M.A. Or. Nolloth Prof.

*Farrer, Rev. A. M., M.A., D.D. Trin. Lectr.

*Mascall, Rev. E. L., B.Sc. Lond., M.A., B.D. Camb., D.D. Ch. Ch. Lectr.

Septuagint

Adams, A. W., M.A. Sheff., B.D., M.A. Magd. Grinfield Lectr.

Sidney Ball Lecturer in Economics

1953—Madame Alva Myrdal.
Subject—*The Social Sciences Programme of UNESCO.*

Bampton Lecturer
(alternate years)

1954—Rev. Canon H. E. W. Turner, M.A. Linc.
Subject— *Orthodoxy and Heresy in the Early Church.*

* C.U.F. Lecturer.

George Eastman Visiting Prof.

1954–55—J. H. Finley, M.A. Ball.

Ford's Lecturer in English History

1954–55—Prof. C. R. Cheney, M.A. Manc and Magd., F.B.A.

Frazer Lecturer (Social Anthropology — Oxford, Cambridge, Glasgow, Liverpool in rotation)

1954—Prof. I. Schapera, D.Sc. Lond., M.A. Cape T., F.R.S. S.Af.
Subject—*The Sin of Cain*

Halley Lecturer

1954—Prof. C. F. Powell, M.A., Ph.D. Camb , Sc.D. Dub. and Bordeaux, F.R.S.
Subject—*The Primary Cosmic Radiation.*

Ratanbai Katrak Lecturer
(Study of Religion of Zoroaster)

W. B. Henning, Ph.D. Gott.

Romanes Lecturer

1954—Sir Kenneth M. Clark, K.C.B., M.A. Trin. and Magd.
Subject—*Moments of Vision.*

Herbert Spencer Lecturer

.....

Taylorian Lecturer

1954—Prof F. Bull.
Subject—*Ibsen, the man and the dramatist.*

Sir Basil Zaharoff Lecturer

1954—Enid Starkie, D.Litt., M.A. Som.
Subject — *Rimbaud,* 1854–1954.

Extra-Mural Studies

Tutors and lectrs. apptd. by the Delegacy for Extra-Mural Studies: S. H. V. Argent, B.A. Lond.; Hermione E. S. Ainley-Walker, M.A. L.M.H.; V. L. Allen, B.Sc. (Econ.), Ph.D. Lond.; F. J. Bayliss, M.A. Hertf ; E. H. Beet, B.A. Durh.; J. E. Butler, B.A., M.Ed. Rhodes, B.A. Worc.; R. B. Cant, B.Sc. (Econ.) Lond.; M. J. Carritt, M.A. Qu.; H. J. Collins, M.A. Qu.; S. W. Coltham, M.A. Univ.; A. T. D'Eye, M.A. Ball.; R. J. Enever, B.Sc. (Econ.) Lond.; Joy Herbert, M.A. Som.; C. Kemp, B.A. Wadh.; W. E. Lloyd, M.A. Liv. (Warden, Wedgwood Memorial Coll.); A. I. Marsh, M A. Hertf.; E. McCabe, M.A. Glas., B.A. Lond.; J. A. McLean, M.A. Camb.; G. Owen, B.A. Camb.; D. A. Perrott, M.A. Edm.H.; T. P. Roberts, M.A. Ch. Ch.; J. Rooper; C. A. Scrimgeour, M.A. Camb.; Evelyn M. Smith, B.Sc. (Econ.), M.A. Durh.; D. G. Stuart, B.A. Lond.; G. Taylor, B.A. Wales; Alethea Tynan, M.A. St. Anne's; R. H. Williams, M.A. Camb.; A. J. Woolford, M.A. Camb.; J. G. G. Wootton, B.Sc. (Econ.) Lond.

UNIVERSITY ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY REGISTRY. Dep. Registrar: C. H. Paterson, M.A. C.C.C. ; Asst. Registrar and Acting Adviser of Overseas Students : D. M. Hawke, M.A. Linc. ; Asst. Sec. of Facs. : R. S. Anson-Owen, B.A. Worc. ; Asst. Officer : Marjorie E. V. Shearer ; Hd. Clerk : R. E. Clifford, Hon. M.A.

UNIVERSITY CHEST. Land Agent to the Univ.: N. D. G. James, M.A. B.N.C.; Chief Accountant: J. A. Cochrane, Hon. M.A.; Surveyor to the Univ.: J. M. Miller.

APPOINTMENTS COMMITTEE. Sec.: C. E. Escritt, M.A. Keb.; Asst. Secs.: A. W. Selwyn, M.A. B.N.C. (Tech.); P. D. Record, M.A. B.N.C.; Women's Sec.: Doris M. Fone, M.A. Som.

CONTROLLER OF LODGINGS. J. Rankin, M.A., B.Sc., D.Phil. Exe.

UNIVERSITY PRESS. Sec. to the Delegates: C. H. Roberts, M.A. St. Joh., F.B.A.; Asst. Sec.: D. M. Davin, M.A. Ball.; Jr. Asst. Sec.: P. J. Spicer, M.A. Ch. Ch. Printer to the Univ.: C. E. Batey, O.B.E., M.A. Linc.; Asst. Printer: V. Ridler. Publisher to the Univ.: G. F. J. Cumberlege, D.S.O., M.C., D.C.L. Durh., M.A. Worc.

THE COLLEGES

ALL SOULS COLLEGE. Founded 1438. *Telephone*: Oxford 47292.
Warden—J. H. A. Sparrow, O.B.E., M.A.

Fellows

Malcolm, Sir Dougal O., K.C.M.G., M.A.
Brand, Lord, K.C.M.G., M.A., D.C.L.
Craster, Sir H. H. E., Litt.D. Camb. and Leeds, M.A., D.Litt., F.S.A., *Librarian*.
Archibald, J. G., M.A.
Somervell, Rt. Hon. Sir Donald B., O.B.E., LL.D., M.A.
Faber, Sir G. C., M.A.
Curtis, L. G., C.H., M.A.
Lee, R. W., D. de l'U. Lyons, LL.D. Rand, D.C.L., *Rhodes Prof. of Roman-Dutch Law*.
Jacob, E. F., M.A., D.Phil., F.B.A., F.S.A., F.R.Hist.S., *Chichele Prof. of Mod. Hist., Sr. Dean*.
Foster, J. G., M.A.
Amery, Rt. Hon. L. C. M. S., C.H., M.A., D.C.L.
Rowse, A. L., M.A., D.Litt., F.R.Hist.S.
Hudson, G. F., M.A., F.R.Hist.S.
Wilberforce, R. O., M.A., *Sub-warden, Estates Bursar*.
Salter, Rt. Hon. Lord, G.B.E., K.C.B., M.A., D.C.L., LL.D.
Campbell, A. H., M.A., B.C.L.
Macartney, C. A., M.A., D.Litt., *Jr. Dean*.
Routh, D. A., M.A.
Dunbabin, T. J., D.S.O., M.A., *Reader (Classical Archæol.), Domestic Bursar*.
Brook, Rev. V. J. K., M.A., *Chaplain*.
Butler, R. D'O., M.A.
Cole, G. D. H., M.A., *Chichele Prof. of Soc. and Polit. Theory*.
Wheare, K. C., C.M.G., M.A. Melb., M.A., *Gladstone Prof. of Government and Public Admin*.
Joseph, Sir K. S., M.A.
Holloway, C. J., M.A., D.Phil.
Evans-Pritchard, E. E., Ph.D. Lond., M.A., *Prof. of Soc. Anthropol*.
Fisher, H. A. P., M.A.
Butler, L. H., M.A., D.Phil.
Waldock, C. H. M., Q.C., C.M.G., O.B.E., D.C.L., *Chichele Prof. of Pub. Internat. Law*.
Jolowicz, H. F., M.A., LL.D. Camb., D.C.L., *Regius Prof. of Civil Law*.
Young, G. M., C.B., M.A.
Monteith, C. M., M.A., B.C.L.
Hanbury, H. G., D.C.L., *Vinerian Prof. of Engl. Law*.
Quinton, A. M., M.A.
Habakkuk, H. J., M.A. Camb., M.A., F.R.Hist.S., *Chichele Prof. of Econ. Hist*.
Berlin, I., C.B.E., M.A.
Seznec, J. J., M.A., *Foch Prof. of French Lit*.
Bullard, J. L., B.A.
Neill, F. P., B.A., B.C.L.
Dummett, M. A. E., M.A.

Wade-Gery, R. L., B.A.
Hicks, J. R., M.A., B.Litt., F.B.A., *Drummond Prof. of Pol. Econ.*
Zaehner, R. C., M.A., *Spalding Prof. of Eastern Religions and Ethics.*
Tyson, A. W., M.A.
Edwards, D. L., B.A.
Gibbs, N. H., M.A., D.Phil., *Chichele Prof. of Hist. of War.*
Morse, C. J., B.A.
Lewis, P. S., B.A.
Fraser, P. M., M.A., *Lectr.* (*Hellenistic Hist.*).

Readers and Lecturers

Fifoot, C. H. S., M.A., *Reader* (*English Law*).
Nicholas, J. K. B. M., M.A., *Reader* (*Roman Law*).
Grünhut, M., M.A., *Reader* (*Criminology*).

BALLIOL COLLEGE. Founded 1263–68. *Telephone*: Oxford 47244-7.

Master—Sir David L. Keir, M.A., Hon. LL.D. Glas., Dub., New Br., Qu., Belf.

Fellows

Rodger, A. B., M.A., *Tutor in Mod. Hist., Dean of Degrees.*
Tylor, T. H., M.A., B.C.L., *Jowett Fellow, Tutor* (*Jurispr.*), *Estates Bursar.*
Bell, R. P., M.A., F.R.S., *Jowett Fellow, Tutor* (*Nat. Sci.*), *U. Lectr. and Demr.* (*Chem.*).
Burn, J. H., M.D. Camb., M.A., F.R.S., *Prof. of Pharmacol.*
Southern, R. W., M.A., F.R.Hist.S., *A. L. Smith Memorial Fellow and Tutor in Mod. Hist.*
Ogston, A. G., M.A., D.Phil., *Oliver Gatty Fellow, Tutor in Biol. Sciences, and Bedford Lectr. in Biochem., U. Lectr. and Demr.* (*Biochem.*).
Hill, J. E. C., M.A., F.R.Hist.S., *Tutor, Fawkes and War Memorial Fellow and Lectr. in Mod. Hist.*
Meiggs, R., M.A., *Duncan Campbell Macgregor Fellow, Tutor in Anc. Hist., and Præfectus of Holywell Manor, U. Lectr.* (*Gk. Epig.*).
Bryson, J. N., M.A., *Vincent Massey Fellow, Tutor in English Lang. and Lit., and Librarian.*
Burrow, T., Ph.D. Camb., M.A., *Boden Prof. of Sanskrit.*
Waters, W. A., Ph.D., Sc.D. Camb., M.A., F.R.S., F.R.I.C., *War Memorial Fellow and Tutor in Natural Science, U. Lectr. and Demr.* (*Org. Chem.*).
MacCarthy-Willis-Bund, Rev. F. L., M.A., *Chaplain and Dean.*
Corbett, J. P., M.A., *Tutor in Philos. and Jowett Lectr. in Philos.*
Hunt, R. W., M.A., D.Phil., *Sr. Research Fellow, Sub-Librarian and Keeper of Western MSS., Bodleian Library, U. Lectr.* (*Palæog. and Transmission of Class. Lat. Texts*).
Balogh, T., M.A., *Tutor in Econ.*
de Wet, J. S., M.A., *Tutor in Maths., U. Lectr.* (*Math. Physics*).
Williams, E. T., C.B., C.B.E., D.S.O., M.A., *Professorial Fellow, Oxford Sec. to Rhodes Trustees and Warden of Rhodes House.*
Keen, H. H., M.A., *Professorial Fellow, Sec. to Curators of University Chest.*
Dick, M. W., M.A., *Tutor in Philos. and Pol.*
Hare, R. M., M.A., *Tutor in Philosophy.*
Dover, K. J., M.A., *Tutor in Classics and Sr. Tutor.*
Harlow, V. T., C.M.G., M.A., D.Litt., F.R.Hist.S., *Beit Prof. of the History of the British Empire.*
Streeten, P. P., M.A., *Tutor in Economics.*
Kuhn, H. G., D.Phil. Gött., M.A., F.R.S., *Tutor in Physics, U. Lectr. and Demr.* (*Physics*).
Aylmer, G. E., M.A., *Jr. Res. Fellow and Jr. Dean.*
Williams, G. W., M.A. Dub., M.A.
Campbell, A., M.A., B.Litt., *Sr. Res Fellow.*

Leys, C. T., B.A., *Jr. Res. Fellow.*
Prest, J. M., M.A., *Tutor in Mod. Hist.*
Finley, J. H., M.A., *Supernumerary Fellow, George Eastman Visiting Prof.*

BRASENOSE COLLEGE. Founded 1509. *Telephone*: Oxford 2281.
Principal—H. M. Last, LL.D. Edin., Litt.D. Dub., M.A.

Fellows

Platnauer, M., M.A., B.Litt., *Vice-Principal, Tutor (Class.).*
Spalding, K. J., M.A., *Supernum. Fellow.*
McKie, J. I., M.A., *Sr. Tutor (Philos.)*
Grant, A. D., M.A., *Bursar.*
Cohn, E. S., M.A., *Tutor (Mod. Hist.).*
Collieu, E. G., M.A., B.Litt., *Tutor (Mod. Hist.).*
Thom, A., M.A., *Prof. of Engin. Science.*
Shackleton, R., M.A., *Tutor (Mod. Lang.), Librarian.*
Gordon, G., D.M., B.Sc., *Tutor, U. Lectr. and Demr. (Physiol.).*
Nicholas, J. K. B. M., M.A., *Tutor, All Souls Reader in Roman Law.*
Maudsley, R. H., LL.B. Birm., M.A., B.C.L., *Tutor (Law.)*
Styler, Rev. L. M., M.A., *Chaplain, Tutor for Admissions.*
Kurti, N., Ph.D. Berl., M.A., *Sr. Research Fellow, U. Demr. (Phys.).*
Barltrop, J. A., B.Sc., M.A., D.Phil., *Tutor, U. Demr. and Lectr. (Chem.).*
Lawson, F. H., D.C.L., *Prof. of Comp. Law.*
Syme, R., M.A., F.B.A., *Camden Prof. of Anc. Hist.*
Leyland, N. H., M.A., *Tutor (Econ.).*
Bagguley, D.M.S., M.A., D.Phil., *Tutor, Lectr. (Physics).*
James, N. D. G., M.A., *Prof. Fellow.*
Ackrill, J. L., M.A., *Lectr. (Philos.).*
Unbegaun, B. O., D. ès L. Paris, M.A., *Prof. of Comp. Slav. Philol.*

Lecturers

Amery, G. D., M.C., M.A. (*Agric.*), *U. Lectr. (Hist. and Econs. of Agric.).*
Wilson, S. S., M.A. (*Engin.*).
Houston, J. M., M.A., B.Sc., D.Phil. (*Geog.*).
Jack, I. R. J., M.A. Edin., D.Phil. (*Engl. Lit.*).
Pasley, J. M. S., M.A. (*German*).

CHRIST CHURCH. Founded 1546. *Telephone*: Oxford 2202.
Dean—Very Rev. J. Lowe, Comm. Lég. d'H., D.D. Tor., M.A.

Canons

Jenkins, Rev. C., D.D., F.S.A., F.R.Hist.S., *Sub-Dean, Regius Prof. of Eccles. Hist.*
Hodgson, Rev. L., D.C.L. Bishop's, S.T.D. Theol. Sem. N.Y., D.D. Edin., D.D., *Regius Prof. of Divinity.*
Cross, Rev. F. L., B.Sc. Lond., M.A., D.Phil., D.D., *Lady Margaret Prof. of Divinity.*
Demant, Rev. V. A., B.Sc. Durh., M.A., D.Litt., *Regius Prof. of Moral and Pastoral Theol.*
Riches, Rt. Rev. K., D.D., M.A. Camb., M.A., *Archdeacon of Oxford.*
Simpson, Rev. C. A., D.D., *Regius Prof. of Hebrew.*

Students (equivalent to Fellows)

Dundas, R. H., M.A., *Tutor.*
Chaundy, T. W., M.A., D.Sc., *Tutor, Reader (Maths.).*
Russell, A. S., M.C., D.Sc. Glas., M.A., *Tutor, Dr. Lee's Reader in Chem.*
Cherwell, Rt. Hon. Lord, C.H., Ph.D. Berl., LL.D. Aberd., M.A., F.R.S., *Dr. Lee's Prof. of Exp. Philos.*
Taylor, F. A., Chev. Lég. d'H., M.A., *Tutor and Librarian.*
Harrod, H. R. F., M.A., F.B.A., *Tutor.*
Myres, J. N. L., M.A., F.R.Hist.S., *Bodley's Librarian.*

Collie, C. H., B.Sc., M.A., *Tutor, Dr. Lee's Reader in Phys., U. Demr. and Lectr.* (*Physics*).
Roaf, D., M.A., D.Phil., *Research Student, Univ. Demr. and Lectr.* (*Physics*).
Dodds, E. R., D.Litt. Manc., M.A., F.B.A., *Regius Prof. of Greek.*
Gray, E. W., M.B.E., M.A., *Tutor.*
Armstrong, T. H. W., M.A., D.Mus., *U. Lectr.* (*Music*).
Simon, Sir F. E., C.B.E., Ph.D. Berl., M.A., F.R.S., *Prof. of Thermodynamics.*
Sutherland, C. H. V., M.A., D.Litt., *U. Lectr.* (*Numismatics*).
Stahl, E. L., M.A. Cape T., Ph.D. Berne, M.A., *Reader* (*German Lit.*).
Mascall, Rev. E. L., B.Sc. Lond., M.A., B.D. Camb., D.D., *Tutor.*
Trevor-Roper, H. R., M.A., F.R.Hist.S., *Tutor.*
Urmson, J. O., M.C., M.A., *Tutor and Sec.*
Watson, J. S., M.A., *Tutor.*
Hill, Lt.-Col. D. V., M.A., *Steward.*
Blake, R. N. W., M.A., *Tutor and Sr. Censor.*
Stuart, C. H., M.A., *Tutor.*
Bueno de Mesquita, D. M., Ph.D. Camb., M.A., F.R.Hist.S., *Tutor.*
Stewart, J. I. M., M.A., *Tutor.*
Obolensky, Prince D., Ph.D. Camb., M.A., *Reader* (*Russian and Balkan Mediæval Hist.*).
Foster, M. B., Ph.D. Kiel, M.A., *Tutor.*
Pakenham, Rt. Hon. Lord, M.A., *Lectr.*
Gray, F. A., M.A., *Treasurer.*
Mason, J. F. A., M.A., *Res. Student.*
Gould, J. P. A., M.A. Camb., M.A., *Tutor.*
Burn, E. H., M.A., B.C.L., *Tutor.*
Davies, H., M.A., D.Phil., *Tutor.*
. . . . . *Regius Prof. of Med.*

Lecturers

Herbst, P., B.A.
Bill, E. G. W., M.A.
Bivar, A. D. H., M.A.
Bowers, K. D., M.A., D.Phil.
Burchfield, R. W., B.A.
Brown, G. S., B.A. Camb.
Burn, E. H., M.A., B.C.L.
Allison, A. C., B.M., D.Phil.
Robinson, R. J., B.A.

CORPUS CHRISTI COLLEGE. Founded 1516. *Telephone*: Oxford 2622.

President—W. F. R. Hardie, M.A.

Fellows

Veale, Sir Douglas, C.B.E., LL.D. Melb., M.A., *U. Registrar.*
Elton, C. S., M.A., *Sr. Research Fellow, Reader* (*Animal Ecol.*).
Lepper, F. A., M.A., *Sr. Tutor* (*Anc. Hist.*).
Evans, Rev. C. F., M.A. Camb., M.A., *Chaplain, Lectr.* (*Div.*).
Brock, M. G., M.A., *Tutor* (*Hist.*), *Librarian.*
Mauldon, J. G., M.A., *Tutor* (*Maths.*).
Pears, D. F., M.A., *Tutor* (*Philos.*), *Asst. Dean.*
Austin, J. L., M.A., *White's Prof. of Moral Philos.*
Aston, T. H., M.A., *Tutor* (*Hist.*).
Nisbet, R. G. M., M.A., *Tutor* (*Class.*).
Mynors, R. A. B., M.A. Camb., M.A., F.B.A., *Corpus Prof. of Latin.*
Lloyd-Jones, P. H. J., M.A., *Prælector in Classics.*
Lewis, D. M., M.A., *Jr. Res. Fellow, Bursar.*
Armitage, F. W., M.A.

Other Lecturers

Hammick, D. Ll., M.A., D.Sc. Or., F.R.S. (*Nat. Sc.*).
Tylor, T. H., M.A., B.C.L. Ball. (*Jurisprud.*).
Ward-Perkins, C. N., M.A. Pemb. (*Econ.*).
Bateson, F. N. W., M.A., B.Litt., (*Engl. Lit.*).
Jamison, D. G., M.A., B.M. (*Med. and Physiol.*).

EXETER COLLEGE. Founded 1314. *Telephone*: Oxford 4681.

Rector—E. A. Barber, Litt.D. Dub., M.A., F.B.A.

Fellows

Coghill, N. H. K. A., M.A., *Dean, Lectr.* (*Engl.*).

Balsdon, J. P. V. D., M.A., *Keeper of Archives, Sr. Tutor, Lectr.* (*Anc. Hist.*).

Kneale, W. C., M.A., F.B.A., *Lectr.* (*Philos.*).

Hinshelwood, Sir C. N., Sc.D. Dub., D.Sc. Lond. and Leeds, M.A., D.Sc., F.R.S., F.R.I.C., *Dr. Lee's Prof. of Chem.*

Barr, W. G., M.A., *Sub-Rector, Tutor, Lectr.* (*Mod. Hist.*).

Kemp, Rev. Canon E. W., M.A., B.D., F.R.Hist.S., *Chaplain, Librarian, Tutor, Lectr.* (*Theol. and Med. Hist.*).

Trypanis, C. A., D.Phil. Athens, M.A., *Bywater and Sotheby Prof. of Byz. and Mod. Gk. Lang. and Lit.*

Barrow, R. F., M.A., D.Phil., *Tutor, Lectr. and U. Demr.* (*Chem.*).

Hall, G. D. G., M.A., *Sub-Rector, Tutor, Lectr.* (*Law*).

Mervyn Jones, D., M.A. Camb., M.A., *Lectr.* (*Class.*)

Hunt, N. C., M.A., Ph.D. Camb., M.A., *Lectr.* (*Pol.*).

Stirling, M., M.A. Camb., M.A., *Bursar.*

Russell, P. E. L. R., M.A., *King Alfonso XIII Prof. of Span. Studies.*

Emeritus Fellows

Atkinson, C. T., M.A., F.R.Hist.S.

Wolfenden, J. H., M.A., *Prof. of Chem., Dartmouth Coll., U.S.A.*

Other Tutors and Lecturers

Struth, M. Le V., M.A. (*French*).

Brockington, Rev. L. H., M.A. St. Cath. (*Hebrew*).

Engel de Janosi, A. H., M.A., D.Sc. Ch. Ch. (*Physics*).

Barlow, D., M.A. Qu. (*German*).

Richardson, G. B., M.A. St. Joh. (*Econ.*).

Beckinsale, R. P., M.A., D.Phil. St. Cath., *Sr. Lectr.* (*Geog.*).

Crawford, G. N. C., M.A., *U. Demr.* (*Anat.*).

Allison, A. C., B.M., D.Phil. Ch. Ch.

Catechist

Lowe, Very Rev. J., Comm. Lég. d'H., D.D. Tor., M.A., *Dean of Ch. Ch.*

HERTFORD COLLEGE. Founded 1874. *Telephone*: Oxford 2234.

Principal—N. R. Murphy, M.A.

Fellows

Hignett, C., M.A., *Librarian, Lectr.* (*Anc. Hist.*).

Fifoot, C. H. S., M.A., *Lectr.* (*Jurispr.*), *All Souls Reader* (*Engl. Law*).

Ferrar, W. L., M.A., D.Sc., *Bursar, Lectr.* (*Maths.*).

Markham, F. M. H., M.A., *Dean, Lectr.* (*Mod. Hist.*)

Armstrong, C. A. J., M.A., F.R.Hist.S., *Lectr.* (*Mod. Hist.*), *Dean of Degrees.*

Clark, W. E. Le Gros, D.Sc. Lond. and Durh., M.A., F.R.C.S., F.R.S., *Dr. Lee's Prof. of Anat.*

Ross, C. R., M.A., *Lectr.* (*Mod. Studies*), *Drapers' Company Fellow.*

Gilbert, E. W., M.A., B.Litt., *Prof. of Geog.*

Hinde, Rev. R. S. E., M.A., B.Litt., *Chaplain-Fellow, Sr. Tutor, Sec. for Admissions.*

Other Lecturers

Wilkins, W. H., M.A., D.Phil. (*Nat. Sc.*).

Houston, J. M., M.A., D.Phil., B.Sc., *U. Lectr.* (*Geog.*).

Brewer, F. M., M.B.E., Ph.D. Corn., B.Sc., M.A., F.R.I.C. (*Nat. Sci.*), *U. Demr. and Lectr.* (*Chem.*).

Bateson, F. N. W., M.A., B.Litt. (*Engl.*).

Struth, M. Le V., M.A. (*Mod. Langs.*).

JESUS COLLEGE. Founded 1571. *Telephone*: Oxford 3118.
Principal—J. T. Christie, M.A.

Fellows

Hurst, C., M.A., D.Phil., *Sr. Tutor* (*Phys.*).
Griffith, J. G., M.A., *Vice-Principal, Tutor* (*Classics*).
Baker, J. N. L., M.A., B.Litt., *Bursar, Tutor* (*Geog.*).
Woodward, L. A., D.Phil. Leipzig, M.A., *Tutor, U. Demr. and Lectr.* (*Chem.*).
Thompson, E. C., M.A., *Tutor for Admissions, Tutor* (*Maths.*).
Foster, I. Ll., M.A., *Prof. of Celtic.*
Whiteley, Rev. D. E. H., M.A., *Chaplain, Tutor* (*Theol.*).
Young, G. T., M.A., B.Sc. Birm., Ph.D. Brist., M.A., *Dean and Tutor* (*Chem.*).
Howarth, W. D., M.A., *Tutor* (*Mod. Langs.*).
Varley, G. C., Ph.D. Camb., M.A., *Hope Prof. of Zool.* (*Entomol.*).
Hale, J. R., M.A., *Tutor* (*Mod. Hist.*) *Librarian and Jr. Dean.*
Williams, P. M., M.A., *Tutor* (*Mod. Hist.*).
Dobson, E. J., M.A., D.Phil., *Reader* (*Engl. Lang.*).
Rees, D. A., M.A., D.Phil., *Philos.*
Rogerson, A., B.A. (*Law*).
Thomas, Rev. J. R. L., M.A.

Lecturers

Barlow, D., M.A. (*German*).
Alton, R. E., M.C., M.A. (*English*).
Baragwanath, L. E., B.Phil. (*Econ.*).

KEBLE COLLEGE. Founded 1870. *Telephone*: Oxford 59201.
Warden—Rev. H. J. Carpenter, M.A.

Fellows

Jolliffe, J. E. A., M.C., M.A., F.R.Hist.S., *Sub-Warden, Tutor* (*Mod. Hist.*).
Rice-Oxley, L., M.A., *Tutor* (*Engl.*).
Parkes, G. D., B.Sc., M.A., D.Phil., F.R.I.C., *Tutorial Sec., Tutor* (*N.Sc.*), *U. Demr. and Lectr.* (*Chem.*).
Hugh-Jones, E. M., M.A., *Tutor* (*Econ.*).
Davidge, C. V., B.C.L., M.A., *Bursar, Tutor* (*Jurisp.*).
Hawkes, C. F. C., M.A., F.R.A.I., F.B.A., F.S.A., *Prof. of European Archæol.*
Mitchell, B. G., M.A., *Tutor* (*Philos.*).
Stead, Rev. G. C., M.A., *Chaplain, Tutor* (*Theol.*).
Price, F. D., M.A., B.Litt., *Dean, Tutor* (*Mod. Hist.*).
Barrett, W. S., M.A., *Librarian, Tutor* (*Classics*).
Bromley, J. S., M.A., *Tutor* (*Mod. Hist.*).
Potts, D.C., M.A., *Tutor* (*Mod. Langs.*).

LINCOLN COLLEGE. Founded 1427. *Telephone*: Oxford 2580.
Rector—W. F. Oakeshott, Hon. LL.D. St. And., M.A., F.S.A.

Fellows

Marchant, E. C., M.A., *Supernumerary Fellow.*
Beazley, Sir J. D., Litt.D. Camb., Ph.D. Marb., D.Litt. Durh., M.A., F.B.A., *Lincoln Prof. of Class. Archæol. and Art.*
Cox, H. H., M.A., *Sub-Rector, Tutor and U. Lectr.* (*Philos.*).
Florey, Sir H. W., Comm. Lég. d'H., M.A., Ph.D. Camb., M.D. Adel. and Lyons, D.Sc. Sheff. and Birm., M.A., B.Sc., F.R.S., F.R.C.P., *Prof. of Pathol.*
Wellesz, E. J., M.A., Hon. D.Mus., F.B.A., *Reader* (*Byz. Music*).
Allen, H. C., M.C., M.A., *Sr. Tutor and Tutor* (*Mod. Hist.*).

Richards, R. E., M.A., D.Phil., *Tutor (Nat. Sci.), U. Demr. (Chem.).*
Henderson, P. D., M.A., *Tutor (Econ.).*
Robson, W. W., M.A., *Dean of Degrees, Tutor (Engl.).*
Heatley, N. G., M.A., *Nuff. (Penicillin) Research Fellow.*
Abraham, E. P., M.A., D.Phil., *Nuff. (Penicillin) Research Fellow.*
Sanders, A. G., M.A., D.Phil., *Nuff. (Penicillin) Research Fellow.*
Green, Rev. V. H. H., B.D., M.A. Camb., B.D., M.A., F.R.Hist.S., *Chaplain, Tutor (Mod. Hist.), Librarian.*
Goff, R. L. A., B.A., *Actg. Dean, Tutor (Law).*
Laws, G. C., M.A., *Bursar.*

Other Lecturers

Leach, E. H., M.A., B.Sc. (*Physiol.*).
Sayce, R. A., M.A., D.Phil. (*Mod. Langs.*).
Plamenatz, J. P., M.A. (*Pol.*).
Martin, A. F., M.A. (*Geog.*).
Russell, R. S., M.A. Camb., M.A. (*Agric.*).
Watson, P. D., M.A., D.Phil. (*Maths.*).
Williams, G. W., M.A. (*Classics*).
Burden, D. H., M.A. (*Engl.*).

MAGDALEN COLLEGE. Founded 1458. *Telephone*: Oxford 3151.
President—T. S. R. Boase, M.C., M.A.

Fellows

Driver, G. R., M.C., D.D. Aberd., D.Litt. Durh., M.A., F.B.A., *Founder's Chaplain, Prof. of Semitic Philology.*
Dixon, A. L., M.A., F.R.S.
Snow, G. R. S., B.Sc., M.A., F.R.S.
Weldon, T. D., M.C., M.A., *Tutor (Philos.).*
Onions, C. T., C.B.E., Litt.D. Leeds, LL.D. Birm., M.A. Lond., M.A., D.Litt., F.B.A., F.R.S.L., *Librarian.*
McFarlane, K. B., M.A., *Tutor (Mod. Hist.), U. Lectr. (Late Med. Hist.).*
Robinson, Sir R., O.M., LL.D. Edin., Birm., St. And., Manc., Glas. and Liv., D.Sc. Delhi, Durh., Liv., Lond., Manc., Wales, Sheff., Belf. and Nott., Sc.D. Camb., D.Pharm. Madrid and Paris, M.A., P.R.S., F.R.I.C., *Waynflete Prof. of Chem.*
Sutton, L. E., M.A., D.Phil., F.R.S., *Tutor, U. Lectr. and Demr. (Chem.).*
Stevens, C. E., M.A., B.Litt., *Tutor (Anc. Hist.).*
Griffiths, J. H. E., O.B.E., M.A., D.Phil., *Lectr., U. Lectr. and Demr. (Physics).*
Hardie, C. G., M.A., *Vice-President, Tutor (Classics).*
Morris, J. H. C., D.C.L., *Lectr., Reader (Conflict of Laws).*
Witts, L. J., M.D. Manc., D.M., F.R.C.P., *Nuffield Prof. of Clinical Medicine.*
Sinclair, H. M., M.A., B.Sc., D.M., *Lectr. (Physiol. and Biochem.), Reader (Human Nutrition).*
Taylor, A. J. P., M.A., *Tutor, U. Lectr. (Mod. Hist.).*
Liddell, E. G. T., D.M., F.R.S., *Waynflete Prof. of Physiol.*
Cooke, C. A., LL.D. Manc., M.A., *Sr. Bursar.*
Ryle, G., M.A., *Waynflete Prof. of Metaphys. Philos.*
Gill, A., M.A., *Tutor (Mod. Langs.).*
d'Entrèves, A. P., LL.D. Turin, M.A., D.Phil., F.R.Hist.S., *Serena Prof. of Italian Studies.*
Ker, N. R., M.A., B.Litt., *Reader (Palæog.).*
Whitehead, J. H. C., M.A., F.R.S., *Waynflete Prof. of Pure Maths.*
Worswick, G. D. N., M.A., *Tutor (Econ.).*
Kendall, D. G., M.A., *Lectr., U. Lectr. (Maths.).*

Bennett, J. A. W., M.A., D.Phil., *Tutor* (*Engl. Lang. and Lit.*).
Humphrey, G., Ph.D. Harv., M.A. Camb., M.A., F.R.S.C., *Prof. of Psychol.*
Burchardt, F. A., D.Phil. Kiel, M.A., *Reader* (*Econ. and Social Stats.*).
Hourani, A. H., M.A., *U. Lectr.* (*Mod. Hist. of Nr. East*).
Lloyd, B. B., M.A., *Lectr., U. Lectr. and Demr.* (*Physiol.*).
Adams, Rev. A. W., M.A. Sheff., M.A., B.D., *Dean of Divinity and Chaplain.*
Cross, A. R. N., B.C.L., M.A., *Tutor* (*Law*).
Stoye, J. W., M.A., D.Phil., *Tutor* (*Mod. Hist.*), *Sr. Tutor and Jr. Dean of Arts.*
Leyser, K. J., M.A., *Tutor* (*Mod. Hist.*), *Sr. Dean of Arts.*
Tite, K., M.A., *Tutor* (*Politics*), *Clerk to the Coll.*
Orgel, L. E., M.A., D.Phil.
Warnock, G. J., M.A., *Tutor* (*Philos.*).
Brown, D. G., B.A.
Barratt, M. G., M.A., D.Phil.
Darlington, C. D., D.Sc. Lond., M.A., F.R.S., *Sherardian Prof. of Bot.*
Owen, J., M.A.
Raitt, A. W., B.A.
Sutherland, N. S., M.A.
Cuff, P. J., B.A.

MERTON COLLEGE. Founded 1264. *Telephone*: Oxford 2259.

Warden—G. R. G. Mure, M.C., LL.D. St. And., M.A.

Fellows

Garrod, H. W., C.B.E., D.Litt. Durh., M.A., F.B.A., *Sr. Res. Fellow.*
Lambert, B., O.B.E., M.A., D.Sc., *Supernumerary Fellow.*
Levens, R. G. C., M.A., *Tutor* (*Class.*).
Harrison, A. R. W., C.B.E., M.A., *Tutor* (*Anc. Hist.*), *Dom. Bursar.*
Williams, Rev. C. S. C., M.A., *Chaplain, Tutor* (*Theol.*).
Walsh, W. H., M.A., *Tutor* (*Philos.*), *Sr. Tutor.*
Dobson, G. M. B., C.B.E., M.A., D.Sc., F.R.S., *U. Lectr. and Demr.* (*Phys. and Climatol.*).
Cooke, A. M., D.M., F.R.C.P., *Supernumerary Fellow.*
Tolkien, J. R. R., M.A., *Merton Prof. of Engl. Lang. and Lit.*
Dyson, H. V. D., B.Litt., M.A., *Tutor* (*Engl.*).
Hardy, A. C., M.A., D.Sc., F.R.S., *Linacre Prof. of Zool. and Comp. Anat.*
Wilson, F. P., LL.D. Birm., B.Litt., M.A., F.B.A., *Merton Prof. of Engl. Lit.*
Wallace-Hadrill, J. M., M.A., *Tutor* (*Mod. Hist.*).
Phillips, C. S. G., M.A., *Tutor and Principal of Postmasters* (*Chem.*).
Jewkes, J., C.B.E., M.Com., M.A., *Prof. of Econ. Organization.*
Jones, H. J. F., M.A., *Tutor* (*Law*).
Highfield, J. R. L., M.A., D.Phil., *Tutor* (*Mod. Hist.*).
Watson, F. D., M.A., D.Phil., *Tutor.*
Parsons, D. S., D.M., *Tutor.*
Browning, I. R., B.A., *Jr. Res. Fellow.*
Roberts, J. M., M.A., *Tutor* (*Mod. Hist.*).
Wade-Gery, H. T., M.A., *Sr. Res. Fellow.*
Lucas, J. R., B.A., *Jr. Res. Fellow.*

Lecturer

Smithers, G. V., M.A., *Reader* (*Med. Engl.*) (*Eng. Lang.*).

NEW COLLEGE. Founded 1379. *Telephone*: Oxford 48451.

Warden—A. H. Smith, C.B.E., LL.D. St. And., M.A., Vice-Chancellor.

Fellows

Henderson, H. L., O.B.E., M.A.
Legg, L. G. W., M.A.
Ogg, D., M.A.
Radcliffe, G. R. Y., D.C.L., *Bursar.*
Creed, R. S., T.D., D.M., *Tutor, U. Lectr. and Demr.* (*Physiol.*).
Cox, Sir C. W. M., K.C.M.G., M.A.

Yorke, E. C., M.A. Oxon. and Camb., *Tutor and Dom. Bursar.*
Titchmarsh, E. C., M.A., F.R.S., *Savilian Prof. of Geom.*
Plaskett, H. H., B.A. Tor., M.A., F.R.S., *Savilian Prof. of Astron.*
Price, H. H., M.A., B.Sc., F.B.A., *Wykeham Prof. of Logic.*
Cecil, Lord David, C.H., M.A., *Goldsmiths' Prof. of Engl. Lit.*
Staveley, L. A. K., M.A., *Tutor, U. Demr. and Lectr.* (*Chem.*).
Crum, M. M., M.A., *Tutor.*
Konovalov, S., B.Litt., M.A., *Prof. of Russian.*
Andrews, H. K., D.Mus. Dub., M.A., D.Mus., *Tutor, U. Lectr.* (*Music*).
Bell, H. E., M.A. Oxon. and Camb., *Tutor.*
Cooke, A. H., M.A., D.Phil., *Tutor, Jr. Dean, U. Demr. and Lectr.* (*Physics*).
Butterworth, J. B., M.A., *Tutor, Dean and Precentor, U. Lectr.*
Andrewes, A., M.A., *Wykeham Prof. of Ancient Hist.*
Woodforde, Rev. C., M.A., Litt.D. Camb., M.A., D.Litt., *Tutor and Dean of Divinity, Chaplain.*
Wiles, P. J. de la F., M.A., *Tutor*
Buxton, E. J. M., M.A., *Tutor and Tutor for Admissions.*
Hampshire, S. N., M.A., *Tutor.*
Nicholas, H. G., M.A., *Tutor and Dean of Arts.*
Carr, A. R. M., M.A.
Davies, K. G., M.A. Oxon. and Camb., *Sec. to Tuition Ctee.*
Thomas, J. M., M.A., D.Phil.
de Ste-Croix, G. E. M., M.A.
Williams, B. A. O., M.A.

Other Lecturers

Amery, G. D., M.A.
Martin, A. F., M.A.
Pusey, H. K., M.A., *U. Lectr. and Demr.* (*Zool. and Comp. Anat.*).
Harley, J. L., M.A., D.Phil., *U. Lectr. and Demr.* (*Bot.*).
Berlin, I., C.B.E., M.A.
Bailey, A. S., M.A., B.Sc., D.Phil.
Joll, J. B., M.A.
Bayley, J. O., B.A.
Horgan, A. D., B.A.
Waters, D. W. M., B.A.

ORIEL COLLEGE. Founded 1326. *Telephone*: Oxford 3135.

Provost—Sir George N. Clark, M.A. Camb., LL.D. Aberd., Dr.L.C. Utrecht, D.Litt. Durh. and Sheff., Litt.D. Dub., M.A., D.Litt., F.B.A.

Fellows

Hargreaves, E. L., M.A., *Sr. Tutor.*
Burton, R. W. B., M.A., *Tutor.*
Gough, J. W., M.A., *Tutor, Librarian, and Vice-Provost.*
Pantin, W. A., M.A., F.B.A., *Tutor.*
Crow, A. D., M.A., B.Litt., *Tutor, U. Lectr.* (*French*).
Moir, J. C., M.D. Edin., M.A., D.M., F.R.C.S.Ed., F.R.C.O.G., *Nuffield Prof. of Obstet. and Gynæcol.*
Parker, K. T., M.A., Ph.D. Zürich, F.B.A., *Professorial Fellow.*
Seton-Watson, C. I. W., M.C., M.A., *Tutor and Dean.*
Robinson, Richard, M.A., B.Litt., *Tutor.*
Weddell, A. G. M., M.A., *Tutor, Reader* (*Hum. Anat.*).
Galbraith, V. H., D.Litt. Belf., Litt.D. Manc., M.A., F.B.A., *Reg. Prof. of Mod. Hist.*
Turpin, K. C., M.A., B.Litt., *Professorial Fellow.*
Porter, Rev. J. R., M.A., *Chaplain and Tutor.*
Lambrick, H. T., C.I.E., M.A., *Treasurer.*
Brunt, P. A., M.A., *Tutor.*
Ramsey, Rev. Canon I. T., M.A. Camb. and Oxon., *Nolloth Prof. of Philos. of Christian Relig.*
Sparks, Rev. H. F. D., M.A., D.D., *Oriel Professor of Interpretation of Holy Scripture.*
Brown, B. R., M.A., *Tutor.*

Emeritus Fellows

Simpson, Rev. D. C., D.D.

Grensted, Rev. L. W., D.D.
Hammick, D. Ll., M.A., D.Sc., F.R.S.
Margoliouth, H. M., M.A.

Other Lecturers

James, W. O., M.A., D.Phil., F.R.S., *Reader* (*Botany*).
Clarke, G. R., M.A., B.Sc. (*Agric. and For.*), *U. Demr and Lectr.* (*Rural Econ.*).
Houghton, Rev. R. E. C., M.A. (*Engl. Lit.*).
Pächt, O. E., Ph.D. Heidel., M.A. (*Hist. of Art*).
Whitworth, T., M.A., D.Phil., *U. Demr. and Lectr.* (*Geol.*).
Davies, H. J., M.A., *Law.*
Kidwell, R. I., M.A., B.C.L., *Law.*
Miller, B. D. H., M.A. (*Engl. Lang.*).

PEMBROKE COLLEGE. Founded 1624. *Telephone*: Oxford 2271.

Master—Rev. F. Homes Dudden, D.D., D.Litt. Durh.

Fellows

Drake, H. L., M.A., *Emeritus Fellow.*
Salt, L. E., M.A., *Emeritus Fellow.*
McCallum, R. B., A.M. Prin., M.A., *Vice-Master, U. Lectr.* (*Politics*).
Macnabb, D. G. C., M.A., *Sr. Tutor, Lectr.* (*Philos.*).
Macintosh, R. R., M.A., D.M., F.R.C.S.Ed., *Nuffield Prof. of Anæsthetics.*
Wrenn, C. L., M.A., *Viceregent, Rawlinson and Bosworth Prof. of Anglo-Saxon.*
Ward-Perkins, C. N., M.A., *Sr. Tutor, Lectr.* (*Econ.*).
Heuston, R. F. V., M.A., LL.B. Dub., M.A., *Dean, Lectr.* (*Jurisprud.*).
Bredin, G. R. F., C.B.E., M.A., *Bursar.*
Bond, G. W., B.A. Dub., M.A., *Lectr.* (*Classics*).
Morris, Rev. C., M.A., *Chaplain, Lectr.* (*Mod. Hist.*).
O'Brien, J. R. P., M.A., B.Sc. (*Nat. Sc.*), *U. Demr.* and *Lectr.* (*Clin. Biochem.*).
Mackesy, P. G., M.A., D.Phil., *Mod. Hist.*
Deighton, Rev. H. S., M.A., B.Litt., *Supernumerary Fellow.*

Other Lecturers

Sinclair, D. C., M.A., M.D. St. And., M.A., *U. Demr. and Lectr.* (*Anat.*).
Parker, Rev. T. M., M.A. (*Theol.*).
Paget, E., M.A. (*Geog.*).
Baldick, R. A. E., M.A., D.Phil., *Lectr.* (*Mod. Langs.*).

THE QUEEN'S COLLEGE. Founded 1340. *Telephone*: Oxford 48411.

Provost—J. Walter Jones, LL.M. Camb., M.A.

Fellows

*Carter, C. W., M.A., B.M., *Tutor* (*Physiol.*), *U. Reader* (*Biochem.*).
*Chilver, G. E. F., M.A., D.Phil., *Sr. Tutor* (*Ancient Hist.*).
*Haslam-Jones, U. S., M.A., D.Phil., *Tutor* (*Maths.*).
*Prestwich, J. O., M.A., *Tutor* (*Mod. Hist.*), *Librarian.*
Boyd, J., Ph.D. Heidel., M.A., B.Litt., *Taylor Prof. of German Lang. and Lit.*
*Harrison, W., M.A., Tutor (*Politics*).
Bridges, A., M.A., *Bursar.*
*Linnett, J. W., M.A., D.Phil., *Tutor* (*Chem.*), *Sec. of Tutorial Committee, U. Demr. and Lectr.*
*Macdonald, I., M.A., *Tutor* (*French*), *Dean of Degrees.*
*Harley, J. L., M.A., D.Phil., *U. Demr. and Lectr.* (*Bot.*).
*Kennedy, C. M., M.A., *Tutor* (*Econ.*).
Kilpatrick, Rev. G. B., B.A. Lond., D.D., *Dean Ireland's Prof. of Exegesis of H. Scrip.*
*Honoré, A. M., M.A., B.C.L., *Tutor* (*Law*), *Sec. of Governing Body.*

* Prælector.

*Bolton, J. D. P., M.A., *Tutor* (*Classics*) *Camerarius.*
*Pelling, H. M., M.A., Ph.D. Camb., M.A. Oxon., *Tutor* (*Mod. Hist.*), *Asst. Dean.*
*Calder, W. M., M.A., Ph.D. Camb., M.A., *Tutor* (*Mod. Hist.*), *Dean and Magister Puerorum, U. Lectr.* (*German*).
*Moffatt, J., M.A., D.Phil. (*Phys.*).
Widdicombe, J. G., B.M., M.A., *Jr. Res. Fellow.*
Černý, J., Ph.Dr. Prague, M.A., *Prof. of Egyptol.*
Brunet, P. C. J., M.A., *Browne Res. Fellow.*
Temple, G., Ph.D., B.Sc. Lond., M.A., F.R.S., *Sedleian Prof. of Nat. Philos.*
*McGuinness, B. F., M.A., B.Phil. (*Philos.*).
*Chapman, W. G., M.A. (*Spanish*).
Woodward, C. V., M.A., *Harmsworth Prof. of American Hist.*

Supernumerary Fellows

Dell, J., M.A.
Elton of Headington, Godfrey, Lord, M.A.
House, H. W., M.A.
Lobel, E., M.A.
Wright, T. C., M.A.
Parmoor of Frieth, A. H. S., Lord, M.A.
Rose, B. W. G., M.A., *Organist.*

Lecturers

Cox, H. H., M.A. Linc. (*Philos.*).
Robson, W. W., M.A. Linc. (*Engl. Lit.*).
Grice, H. P., M.A. St. Joh. (*Philos.*).
Acheson, R. M., B.Sc., M.A., D.Phil.

ST. JOHN'S COLLEGE. Founded 1555. *Telephone*: Oxford 47671/2.

President—A. L. Poole, Chev. Lég. d'H., M.A., D.Litt., F.B.A.

Fellows

Costin, W. C., M.C., M.A., *Sr. Tutor, Lectr.* (*Mod. Hist.*).
Mabbott, J. D., C.M.G., B.Litt., M.A., *Tutor, Lectr.* (*Philos.*).
Slade, E., M.A., *Tutor, Sr. Dean of Arts, Lectr.* (*Law*).
Thompson, H. W., Ph.D. Berl., M.A., B.Sc., F.R.S., *Tutor, Lectr.* (*Nat. Sci.*), *U. Lectr. and Demr.* (*Chem.*).
Moore, W. G., D.Litt. Stras., M.A., *Tutor, Lectr.* (*Mod. Langs.*), *U. Lectr.* (*French*).
Roberts, C. H., M.A., F.B.A., *Supernumerary Fellow, Reader* (*Documentary Papyrol.*).
Sherwin-White, A. N., M.A., *Tutor, Lectr.* (*Anc. Hist.*).
Gibb, Sir Hamilton A. R., Chev. Lég. d'H., M.A. Lond., Edin. & Oxon., F.B.A., *Laudian Prof. of Arabic.*
Grice, H. P., M.A., *Vice-President, Tutor, Lectr.* (*Philos.*).
Champion, H. G., C.I.E., M.A., D.Sc., *Prof. of Forestry.*
Kilner, T. P., C.B.E., M.B., Ch.B. Manc., M.B., B.S. Lond., M.A., F.R.C.S., *Nuffield Prof. of Plastic Surgery.*
Martin, A. F., M.A., *Sr. Lectr.* (*Geog.*).
Blackman, G. E., M.A., *Sibthorpian Prof. of Rural Econ.*
Bleaney, B., M.A., D.Phil., F.R.S., *Tutor, Lectr., U. Demr. and Lectr.* (*Physics*).
Holmes, W., M.A., D.Phil., *Tutor, Lectr., U. Lectr. and Demr.* (*Zool. and Comp. Anat.*).
Colvin, H. M., M.A., *Sr. Research Fellow, Librarian.*
Russell, D. A. F. M., M.A., *Tutor, Lectr.* (*Classics*).
Garrard, N. A., M.A., F.R.I.C.S., *Estates Bursar.*
Richardson, G. B., M.A., *Lectr.* (*Econ.*), *Jr. Dean of Arts.*
Torrance, R. W., B.M., M.A., B.Sc., *Lectr.* (*Physiol.*).
Woollcombe, Rev. K. J., M.A., *Reader and Lectr.* (*Theol.*).

* Prælector.

Emeritus Fellow

Hart-Synnot, R. V. O., D.S.O., O.B.E., B.Sc. Lond., M.A.

Other Lecturers

Calder, W. M., M.A. Qu., *U. Lectr.* (*German*).

Leishman, J. B., M.A., B.Litt., *Sr. U. Lectr.* (*Engl. Lit.*).

Elder, N. C. McA., M.A. (*Pol.*).

Mauldon, J. G., M.A. C.C.C. (*Maths.*).

Domestic Bursar

Pinnell, L. G., C.I.E.

TRINITY COLLEGE. Founded 1554–55. *Telephone*: Oxford 3116.

President—A. L. P. Norrington, M.A.

Fellows

Higham, T. F., M.A., *Tutor, Lectr.* (*Classics*), *Public Orator.*

Landon, P. A., M.C., M.A., *Vice-President, Tutor, Lectr.* (*Jurispr.*), *Reader* (*Criminal L. and L. of Evidence*).

Ewert, A., Chev. Lég. d'H., M.A., *Vice-President, Prof. of Romance Langs.*

Farrer, Rev. A. M., M.A., D.D., *Chaplain, Lectr.* (*Theol.*), *Librarian.*

Lambert, J. D., M.A., *Tutor, Lectr.* (*Nat. Sci.*), *U. Lectr. and Demr.* (*Chem.*).

Maclagan, M., M.A., F.S.A., *Sr. Tutor, Lectr.* (*Mod. Hist.*), *Sr. Proctor.*

Phillips, C. G., B.Sc., D.M., *Lectr. and U. Demr.* (*Physiol.*).

Nowell-Smith, P. H., M.A., *U. Lectr.* (*Philos.*), *Estates Bursar.*

Holladay, A. J., M.A., *Lectr.* (*Anc. Hist.*), *Dean.*

Fletcher, R. A., D.S.C., M.A., *U. Lectr.* (*Mod. Gk.*), *Domestic Bursar.*

Woods, D. D., M.A., F.R.S., *Res. Fellow, Reader in Microbiol.*

Cooper, J. P., M.A., *Lectr.* (*Mod. Hist.*), *Jr. Dean.*

Barnett, F. J., B.A., *Lectr.* (*Mod. Langs.*).

Krebs, H. A., M.A. Camb., M.D. Hamburg, M.A., F.R.S., *Whitley Prof. of Biochem.*

Other Lecturers

Hammersley, J. M., M.A. (*Maths.*).

Pelczynski, Z. A., B.Phil. (*Pol.*).

Wright, J. F., B.A. (*Econ.*).

UNIVERSITY COLLEGE. Founded 1249. *Telephone*: Oxford 48455.

Master—A. L. Goodhart, K.B.E., Q.C., D.C.L., F.B.A.

Fellows

Bowen, E. J., M.A., D.Sc., F.R.S., *Prælector in Chem., Registrar.*

Wells, A. F., O.B.E., M.A., *Prælector in Classics, Librarian, Dean of Degrees.*

Cox, A. D. M., M.A., *Prælector in Mod. Hist.*

Alington, G., M.A., *Prælector in Mod. Hist., Dean, Sr. Tutor.*

Paul, G. A., M.A. Camb., M.A., *Prælector in Philos., Secretary.*

Marsh, N. S., B.C.L., M.A., *Stowell Fellow, Prælector in Jurisprudence, Estates Bursar.*

Wilson, T., O.B.E., Ph.D. Lond., M.A., *Mynors Fellow, Prælector in Econ.*

Dubs, H. H., B.A. Yale, B.D. U.T.S., M.A. Col., Ph.D. Chic., M.A., *Prof. of Chinese.*

Cunningham, D. J. C., M.A., M.B. Edin., *Radcliffe Med. Fellow.*

Bayley, P. C., M.A., *Prælector in Engl. Lit., Jr. Dean.*

Strawson, P. F., M.A., *Prælector in Philos., Dom. Bursar.*

Cawkwell, G. L., M.A., *Prælector in Anc. Hist.*

Wager, L. R., M.A., Sc.D. Camb., M.A., F.R.S., F.G.S., *Prof. of Geol.*

Hart, H. L. A., M.A., *Prof. of Jurisp.*

Parker, Rev. T. M., M.A., *Prælector in Mod. Hist., Chaplain.*

Emeritus Fellows
Ainley-Walker, E. W., D.M., D.Sc.
Carritt, E. F., M.A., F.B.A.
Allen, Sir C. K., Q.C., M.C., D.C.L., F.B.A.

Radcliffe Travelling Fellow
Thomas, C. G. A., B.M., B.Ch.

Other Lecturers and Asst. Lectrs.
Chalk, L., M.A., D.Phil., *U. Demr.* (*Forestry*).
Wilkins, W. H., M.A., D.Phil. (*Bot.*).
Ford, E. B., M.A., D.Sc. (*Zool.*), *Reader* (*Genetics*).
Sandford, K. S., T.D., M.A., D.Phil., D.Sc., *Reader* (*Geol.*).
Beckinsale, R. P., M.A. Lond., M.A., D.Phil. (*Geog.*).
Goolden, P., M.A. (*Engl.*).
Berman, R., M.A., D.Phil. (*Phys.*).
Elder, N. C. M., M.A. (*Pol.*).
Baldick, R. A. E., M.A., D.Phil. (*Mod. Langs.*).

WADHAM COLLEGE. Founded 1610. *Telephone*: Oxford 4169.

Warden—Sir Maurice Bowra, Comm. Lég. d'H., LL.D. Dub., Doc. honoris causa Paris, Aix-Marseille, M.A., D.Litt., F.B.A.

Fellows
Cherwell, Rt. Hon. Lord, C.H., Ph.D. Berl., M.A., LL.D. Aberd., M.A., F.R.S., *Prof. of Exp. Philos.*
Keeley, T. C., C.B.E., M.A. Camb., M.A., *Sub-Warden, Sr. Tutor, Wills Fellow, Tutor, U. Lectr. and Demr.* (*Phys.*).
Thompson, J. H. C., M.A., D.Phil., *Tutor, U Lectr.* (*Maths.*), *Estates Bursar and Keeper of the Gardens.*
Westrup, J. A., M.A., D.Mus., *Heather Prof. of Music.*
Bamborough, J. B., M.A., *Dom. Bursar, Lectr.* (*English*).
Crombie, I. M., M.A., *Webster Fellow, Lectr.* (*Philos.*), *Librarian.*
Thompson, A. F., M.A., *Lectr.* (*Mod. Hist. and Politics*), *Dom. Bursar.*
Carter, P. B., C.G., B.C.L., M.A., *Lectr.* (*Law*), *Dean.*
House, A. H., M.A. Camb., M.A., *Sr. Res. Fellow, Sr. U. Lectr.* (*Engl.*).
Stone, L., M.A., *Lectr.* (*Mod. Hist.*).
Forrest, W. G. G., B.A., *Lectr.* (*Anc. Hist.*).
Coulson, C. A., M.A., Ph.D. Camb., D.Sc. St. And., M.A., F.R.S., *Rouse Ball Prof. of Maths.*
Stinton, T. C. W., M.A., *Lectr.* (*Classics*).
Gotlieb, A. E., B.C.L.
Emeritus Fellow
Lennard, R. V., M.A.
Chaplain
Tucker, Rev. C. J., M.A. Camb., M.A.
Keeper of the Archives
Caldwell, S., M.C., M.A.
Other Lecturers
Thomas, J. M., M.A., D.Phil. (*Mod. Langs.*).
Fisher, R. B., B.Sc., M.A., D.Phil. (*Med.*).
Gardiner, P. L., M.A. (*Philos.*).
Clegg, H. A., M.A. (*Pol.*).
Ward, A., M.A. (*Engl. Lang.*).
MacDougall, Sir Donald, C.B.E., M.A. (*Econ.*).

WORCESTER COLLEGE. Founded 1714. *Telephone*: Oxford 47251, 47375.

Provost—J. C. Masterman, O.B.E., M.A.

Fellows
Wilkinson, C. H., O.B.E., M.C., C.G., M.A., *Vice-Provost, Lectr.* (*Engl. Lit.*), *Librarian.*
Somerset, H. V. F., M.A., *Tutor, Lectr.* (*Mod. Hist.*)
Bryan-Brown, A. N., M.A., *Sr. Tutor, Lectr.* (*Classics*).
Milburn, Rev. R. L. P., M.A. Camb. and Oxon., *Dean of Degrees, Estates Bursar, Chaplain, Tutor, Lectr.* (*Theol.*).

Brown, A. B., B.C.L., M.A., *Domestic Bursar, Tutor, Lectr.* (*Law*).
Briggs, A., B.Sc. Lond., M.A. Camb. and Oxon., *U. Reader* (*Econ. and Soc. Hist.*).
Mitchell, D., M.A., *Tutor, Lectr.* (*Philos.*).
Trueta, J. A., Chev. Lég. d'H., M.D. Barcelona, M.A., D.Sc., F.R.C.S. Eng. and Can., *Nuffield Prof. of Orthopædic Surg.*
Pitt, H. G., M.A., *Dean, Lectr.* (*Mod. Hist.*).
Dawes, G. S., B.Sc., M.A., D.M., *Supernumerary Fellow, Dir. Nuffield Inst. for Medical Research.*
Sayce, R. A., M.A., D.Phil., *Lectr.* (*Mod. Langs.*), *U. Lectr.* (*French*).
Walker, J. M., B.Sc., D.M., *Lectr.* (*Physiol.*), *U. Demr. and Lectr.* (*Pharmacol.*).
Wernham, R. B., M.A., F.R.Hist.S., *Prof. of Mod. Hist.*
Sargent, J. R., M.A., *Lectr.* (*Econ.*).
Palmer, L. R., B.A. Wales, D.Phil. Vienna, Ph.D. Camb., M.A., *Prof. of Compar. Philol.*

Emeritus Fellows

Pickard-Cambridge, W. A., M.A.
Braunholtz, G. E. K., M.A.

Lecturers

Towneley-Worsthorne, S. P. E. C. W., M.A., D.Phil. (*Hist. of Music*).
Trapnell, B. M. W., M.A., Ph.D. Camb., M.A., D.Phil. (*Nat. Sc.*).
Wood, O. P., M.A. (*Philos.*).

ST. EDMUND HALL. Founded *c.* 1278. *Telephone*: Oxford 357411.

Principal—Rev. J. N. D. Kelly, M.A., D.D.

Fellows

Irving, H. M. N. H., M.A., D.Phil., F.R.I.C., *Vice-Principal, Tutor* (*Nat. Sci.*), *U. Demr. and Lectr.* (*Chem.*).
Ramsay, G. D., M.A., D.Phil., F.R.Hist.S., *Tutor* (*Mod. Hist.*).
McManners, Rev. J., M.A., *Chaplain, Tutor* (*Mod. Hist. and Pol.*), *Dean.*
Fargher, R., B.Litt., M.A., D.Phil., *Tutor* (*French*), *U. Lectr.* (*French*), *Dean of Degrees.*
Gullick, C. F. W. R., M.A., B.Litt., *Sr. Tutor, Tutor* (*Geog.*), *Sr. U. Lectr.* (*Econ. Geog.*).
Midgley, E. G., M.A., B.Litt., *Tutor* (*Engl. Lit.*).
Yardley, D. C. M., LL.B., Birm., M.A., D.Phil., *Tutor* (*Jurispr.*).
Alton, R. E., M.C., M.A., *Bursar, Lectr.* (*Engl.*).
Series, G. W., M.A., D.Phil., *U. Demr., Tutor* (*Phys.*).

Lecturers

Pusey, H. K., M.A. (*Zool.*), *U. Lectr. and Demr.* (*Zool. and Comp. Anat.*).
Kolkhorst, G. A., M.A. (*Spanish*), *Reader* (*Spanish*).
Barnes, H. G., Ph.D. Tübingen, M.A., *U. Sr. Lectr.* (*German*).
Grayson, C., M.A., *U. Lectr.* (*Italian*).
Phillips, E. G., M.A., D.Phil. (*Maths.*).
Allen, G. R., M.A. (*Econ.*).
Beckinsale, R. P., M.A., D.Phil., *Sr. Lectr.* (*Geog.*).
Todd, J. D., M.A., D.Phil., *U. Demr.* (*Engin.*).

New Foundations

ST. PETER'S HALL. *Telephone*: Oxford 48436.

Master—Canon R. W. Howard, M.A. Oxon. and Camb.

Fellows

Houghton, Rev. R. E. C., M.A., *Tutor* (*Engl. Lit.*), *Librarian.*
Smith, E. H. F., M.A., *Vice-Master, Tutor* (*Hist.*).
Sutton, C. W. H., M.A., *Tutor* (*Philos.*).
Tinne, C. E., M.A., *Bursar.*
Wilkins, W. H., M.A., D.Phil., *Sr. Res. Fellow* (*Nat. Sci.*).

Naylor, Rev. C. B., M.A., *Chaplain and Tutor* (*Theol.*).

Lecturers

Perman, R. C. D., M.A., *U. Lectr.* (*French*).

Steel, R. W., M.A., B.Sc. Jes., *Sr. Lectr.* (*Geog.*).

Lydall, H. F., M.A. New Coll. (*Econ.*).

ST. ANTONY'S COLLEGE. Founded 1950 by the late Antonin Besse. Housed at 62 Woodstock Road, Oxford. *Telephone*: Oxford 57473.

Warden—F. W. D. Deakin, D.S.O., Chev. Lég. d'H., M.A.

Fellows

Footman, D. J., C.M.G., M.C., M.A.
Gardiner, P. L., M.A.
Hailey, P. C., O.B.E., M.A., *Bursar.*
Halban, H. H., M.A.
Joll, J. B., M.A.
Wheeler-Bennett, J. W., C.M.G., O.B.E., M.A. Camb. and Oxon.

Research Fellow

Bishop, G. R., B.A., *Lectr.* (*Phys.*).

Lecturer

Katkov, G., M.A. (*Russian Studies*).

ST. CATHERINE'S SOCIETY. *Telephone*: Oxford 3527.

Censor—Alan Bullock, M.A.

Tutors

Horwood, F. C., M.A., (*Engl.*), *Dean and Dean of Degrees.*
Knapp, W. F., M.A. *Bursar* (*Pol.*).
Holmes, G. A., Ph.D. Camb., M.A. (*Hist.*).
Simopoulos, J. C., M.A., B.Phil. (*Philos.*).
Brewer, F. M., M.B.E., Ph.D. Corn., M.A., B.Sc., F.R.I.C. (*Chem.*).
Shaw, P. F. D., M.A. (*Phys.*).

Lecturers

Garabedian, D., M.A. (*French*).
Houston, J. M., M.A., D.Phil., B.Sc., *U. Lectr.* (*Geog.*).
Horgan, A. D., B.A. (*Engl.*).
Tolkien, C. R., M.A., D.Phil. (*Engl.*).
Evans, I. M. P., M.A., B.C.L. (*Law*).
Phillips, E. G., M.A., D.Phil. (*Maths.*).
Williams, W. D., M.A., D.Phil. (*German*).
Baragwanath, L. E., B.Phil. (*Econ.*).

Permanent Private Halls

CAMPION HALL. (For members of the Society of Jesus.) *Telephone*: Oxford 4342.

Master—Rev. T. Corbishley, M.A.

Rooney, Rev. P., M.A., *Bursar.*

Lecturers and Tutors

Walker, Rev. L. J., M.A., *Dean.*
Slattery, Rev. W. J., M.A., *Tutor* (*Philos.*).
Turner, Rev. V. G., M.A., *Sr. Tutor, Lectr.* (*Philos.*).

ST. BENET'S HALL. (For members of the English Benedictine Abbey of Ampleforth, Yorkshire.) *Telephone*: Oxford 55006.

Master—Rev. F. G. Sitwell, M.A.

Recognized Societies of Women Students

LADY MARGARET HALL, founded in 1878 and incorporated by Royal Charter in 1926. *Telephone*: Oxford 57214.

Principal—Lucy Stuart Sutherland, C.B.E., M.A.

Fellows

Lea, Kathleen M., M.A., *Vice-Principal (English).*
Anson, Christine, M.A., *Hall Sec.*
Sutherland, Mrs. D. Rhoda, M.A. (*French Philol.*).
Ewart, Annette M., M.A., *Bursar.*
Kneale, Mrs. Martha, M.A. (*Philos.*).
Hurnard, Naomi D., M.A., D.Phil. (*Hist.*), *Sir Ernest Cassel Fellow.*
Whiteman, E. Anne O., M.A., D.Phil. (*Mod. Hist.*).
Hicken, Winifred F., M.A., D.Phil. (*Classics*).
Kean, Patricia M., M.A. (*Engl.*).
Agate, Joan, M.A., *Steward and Treasurer.*
Crow, Mrs. Joan, M.A. (*French*).
Jeffery, Lilian H., M.A., D.Phil. (*Anc. Hist.*).
Stewart, Mrs. Alice M., M.D. Camb., M.A., *Professorial Fellow, Reader in Soc. Med.*
Jennings, Hon. Mrs. Margaret A., D.M., *Supernumerary Fellow.*
Mackenzie, Elizabeth G. W., M.A., *Librarian and Lectr.* (*Engl.*).
Ord, Margery, Ph.D., B.Sc. Lond., M.A. (*Nat. Sci.*).
Sisam, Celia, M.A., *Res. Fellow.*
Tarbet, Jane G., M.A., *Susette Taylor Travelling Fellow.*

Lecturers

Marshall, Mary, M.A. (*Geog.*).
Ing, Mrs. Catherine M., M.A., D.Phil. (*Engl. Lit.*).
Westropp, Celia K. (Mrs. Price), M.A., D.M. (*Med.*).
Cobbe, Anne P., M.A., D.Phil. (*Maths.*).
Buckatzsch, Mrs. Wilma B., M.A. (*Zool.*).
Dick, Mrs. Cecilia R., M.A. (*Mod. Hist.*).

SOMERVILLE COLLEGE, founded as Somerville Hall in 1879. *Telephone*: Oxford 57595.

Principal—Janet M. Vaughan, O.B.E., D.M., M.A., F.R.C.P.

*Pirie, Mrs. Antoinette, M.A., *Professorial Fellow.*
*Lascelles, Mary M., M.A., B.Litt., *Vice-Principal* (*Engl. Lit.*).
*Henderson, Mrs. M. Isobel, M.A., (*Anc. Hist.*).
*Starkie, Enid M., M.A., D.Litt., *Reader in French Lit.*
*Hartley, Mildred, M.A. Camb. and Oxon. (*Classics*).
*Hodgkin, Mrs. Dorothy M., M.A., B.Sc., F.R.S. (*Nat. Science*), *U. Demr.* (*Inorg. Chem.*).
*McKisack, May, M.A., B.Litt., F.R.Hist.S. (*Mod. Hist.*).
Geoghegan, Mrs. Kathleen, M.Sc. Lond., Ph.D. Edin., M.A. (*Maths.*).
Armstrong, Mrs. Annette E., M.A., D.Phil. (*Mod. Langs.*).
*Garstang, Ruth, M.A., *Bursar.*
*Hall, Lady, M.A. (*Econ.*).
*Brown, Ursula M., M.A., B.Litt. (*Engl. Lang.*).
*Foot, Mrs. Philippa R., M.A. (*Philos.*).
*Banister, Rachel J., B.Sc. Edin., M.A. (*Physiol.*).
*Syfret, Rosemary H., M.A. Camb., M.A., *Treasurer, Lectr.* (*Engl. Lit.*).

* Official Fellow.

*Ramm, Agatha, M.A. Lond. and Oxon. (*Mod. Hist.*).

Research Fellows

Elliott, Anne H., M.A.

Labowsky, Lotte, D.Phil. Heidel.

Principal's Secretary

Bryant, Hilda M., M.A.

Asst. Bursar

Hands, M. Jane.

Librarian

Hodgson, Mrs. Norma H., M.A.

Lecturers

Anscombe, G. Elizabeth M. (Mrs. Geach), M.A. (Philos.).

Sayce, Mrs. Olive L., M.A. (*German*).

Turville-Petre, Mrs. Joan E., M.A., B.Litt. (*Engl. Lang.*).

Snow, Mrs. Christine M., M.A., B.Sc. (*Bot.*).

Stuart, Hazel M., M.A. (*Law*).

Drake, Evelyn C. M., M.A. (*Italian*).

ST. HUGH'S COLLEGE, founded as St. Hugh's Hall in 1886 and incorporated under Royal Charter in 1926. *Telephone*: Oxford 57341.

Principal—Evelyn E. S. Procter, M.A.

Research Fellow

Smith, Hon. Honor M. V., B.Sc., M.B. Lond., M.A., *May Reader in Med.*

Tutors

*Francis, Elizabeth A., M.A. Lond. and Oxon. (*French*).

Headlam-Morley, Agnes, M.A., B.Litt. (*Politics and Econ.*), *Montague Burton Prof. of Internat. Relations, Professorial Fellow.*

*Gray, Dorothea H. F., O.B.E., M.A. (*Classics*),

*Bickley, Olga D., D. in Litt. Genoa, M.A. (*Mod. Langs.*), *M. Cesaresco Lectr.* (*Italian*).

*Adam, Madge G., M.A., D.Phil. (*Nat. Sci.*), *U. Lectr. and Demr.* (*Astron.*).

*Busbridge, Ida W., M.Sc. Lond., M.A., D.Phil. (*Maths.*).

*Kemp, Betty, B.A. Manc., M.A. (*Hist.*).

Sweeting, Marjorie M., M.A., Ph.D. Camb., M.A. (*Geog.*).

Jacobs, Margaret, M.A., B.Litt. (*German*).

Trickett, Rachel, M.A. (*Engl. Lit.*).

Bleaney, Mrs. Betty I., M.A., *Lectr.* (*Physics*),

*Gradon, Pamela O. E., Ph.D. Lond., M.A. (*Engl. Lang.*).

*Wells, Agnes P., B.A. Lond., M.A., *Treasurer.*

*Warnock, Mrs. Helen M., M.A., B.Phil. (*Philos.*).

*Wood, Mrs. Susan M. C., M.A., B.Litt. (*Mediæval Hist.*).

Bursar

Worner, Edith M.

Librarian

Dickinson, Jocelyne G., M.A., D.Phil.

ST. HILDA'S COLLEGE, founded in 1893. *Telephone*: Oxford 3121/3122.

Principal†—Julia de L. Mann, M.A., F.R.Hist.S.

Tutors

*Whitelock, Dorothy, M.A., Litt.D. Camb., M.A., F.S.A., F.R.Hist.S., *Vice-Principal* (*Engl. Lang.*).

*Crowe, Sybil E., Ph.D. Camb., M.A. Camb. and Oxon., F.R.Hist.S. (*Politics*).

*Smalley, Beryl, M.A., Ph.D. Manc., M.A., F.R.Hist.S. (*Mod. Hist.*).

*Gerard Davis, Mrs. Mary I., M.A. (*Mod. Langs.*).

*Tomlinson, Muriel L., M.A. Camb., M.A., D.Phil., F.R.I.C. (*Nat. Sci.*).

*Prestwich, Mrs. Menna, M.A., F.R.Hist.S. (*Mod. Hist.*).

*Browne, Sheila J., M.A. (*Mod. Langs.*).

*McCormick, Eileen M., B.Sc. (H. and S. Sc.) Lond., M.A., *Bursar.*

* Official Fellow.

† Miss Mann will be succeeded as Principal on 1st Aug. 1955 by Miss Kathleen Major (*see* page 474).

Major, Kathleen, M.A., B.Litt., F.S.A., F.R.Hist.S., *Professorial Fellow, Reader (Diplomatic) and Principal-Elect.*
Gardner, Helen L., M.A., *Professorial Fellow, Reader (Renaissance Lit.).*
*Thornton, J. C., M.A.
Marshall, Lydia M., *Librarian.*
Creed, Mrs. Sybil, M.A., Ph.D. Camb., M.A., *Res. Fellow.*
Philp, Barbara B., M.A., *Coll. Sec.*
Fellowes, Helen L., *Asst. Bursar.*

Lecturers

Fillenz, Marianne, D.Phil. (Physiol.).
Ing, Mrs. Catherine M., M.A., D.Phil. (*Engl. Lit.*).
Paul, Mrs. Margaret E., M.A., B.Phil. (*Econ.*).
Rayner, M. E., M.Sc. Lond. (*Maths.*)
Robinson, Mrs. Stephanie C. S., M.A., *Treasurer.*

ST. ANNE'S COLLEGE, incorporated by Royal Charter 1952. (Formerly Society of Oxford Home-Students, 1879–1942; St. Anne's Society, 1942–52.) *Telephone*: Oxford 57417.

Principal—Lady Ogilvie, M.A.

Tutors

Ady, Miss Peter H., M.A. (*Econ.*).
*Barnes, Mrs. Annie M., M.A., D.Phil. (*French*).
*Bastock, Margaret, M.A. (*Nat. Sc.*).
*Bednarowska, Mrs. Dorothy M., M.A. (*Engl.*).
*Griffiths, Mary E., M.A. (*Engl.*).
*Hart, Mrs. Jenifer M., M.A. (*Mod. Hist.*).
*Leys, Mary D. R., M.A., F.R.Hist.S. (*Mod. Hist.*).
*Morrison, Christine L., M.A. (*Engl.*).
*Murdoch, Jean I., M.A. (*Lit. Hum.*).
*Neame, Elizabeth, M.A., *Treasurer.*
*Reeves, Marjorie E., Ph.D. Lond., M.A., F.R.Hist.S. (*Mod. Hist.*), *Vice-Principal.*

Lecturers

Cramp, Rosemary J., M.A. (*Engl.*).
Mitchell, Mrs. Barbara M., M.A. (*Classics*).
Richmond, Joan M., M.A. (*German*).

The students keep statutable residence under conditions approved for them by the Council. They normally live in hostels or in approved houses. The College has six hostels of its own, and there are also two maintained by Religious Orders. Students over 25 yrs. of age are permitted to live in lodgings.

NUFFIELD COLLEGE, founded in 1937 by the Viscount Nuffield "to encourage research especially but not exclusively in the field of social studies and especially by making easier the co-operation of academic and non-academic persons." *Telephone*: Oxford 48014.

Warden—D. N. Chester, M.A. Camb. and Oxon.

Official Fellows

Perham, Margery F., C.B.E., LL.D. St. And., M.A.
Andrews, P. W. S., B.Sc. (Econ.) Lond., M.A.
Robinson, K. E., M.A., *Reader (Colonial Govt.).*
Clegg, H. A., M.A., *Bursar.*
Plamenatz, J. P., M.A.
MacDougall, Sir Donald, C.B.E., M.A.
Little, I. M. D., M.A., D.Phil.
Fforde, J. S., M.A.
Seton, F., M.A.

* Official Fellow.

Butler, H. D. E., M.A., D.Phil.

Professorial Fellows

Champernowne, D. G., M.A. Camb. and Oxon., *Prof. of Statistics.*

Beloff, M., M.A., B.Litt., F.R.Hist.S., *Nuffield Reader (Comp. Study of Institutions).*

Frankel, S. H., M.A. Rand, Ph.D., D.Sc. (Econ.) Lond., M.A., *Prof. of Colonial Econ. Affairs.*

Cole, G. D. H., M.A. All S., *Chichele Prof. of Social and Polit. Theory.*

Wheare, K. C., M.A. Melb., M.A. All S., *Gladstone Prof. of Government and Public Admin.*

Hicks, J. R., M.A., B.Litt., F.B.A., *Drummond Prof. of Polit. Econ.*

Harrod, H. R. F., M.A., F.B.A., *Nuffield Reader (Internat. Econ.).*

Faculty Fellows

Keith-Lucas, B., M.A., *Sr. Lectr. (Local Govt.).*

Berlin, I., C.B.E., M.A.

Butterworth, J. B., M.A.

Briggs, A., M.A.

Burchardt, F. A., M.A.

Visiting Fellows

Streat, Sir E. R., C.B.E.

Heyworth, Sir G., LL.D. St. And. and Manc.

Morrison, Rt. Hon. H., M.P., D.C.L.

Woods, Sir J. H. E., G.C.B., M.V.O., M.A.

Crawford, J.

Rennell, Lord, K.B.E., C.B., D.L., M.A.

Allen, W. M., M.A.

Maudling, R., M.A.

Wadsworth, A. P.

Sharp, Dame Evelyn, B.A.

Henry, P.-M.

Chaplain

Lee, Rev. R. S., B.Litt., M.A., D.Phil. Univ.

GENERAL INFORMATION

Monasteries and abbeys brought clerks to Oxford in early Norman times, but the Univ. was not established until the reign of Henry II. About 1167, foreign-born scholars were driven out of Paris, and the rapid development at Oxford indicates that students transferred there. In the 13th century the influence of the Dominicans, Franciscans and Carmelites deeply affected the advancement of learning in Oxford, and the first three Colls. (University, Balliol and Merton) were endowed. St. Mary's Church was the official centre of Univ. life until, in the 15th century, the Divinity School was built. From the 13th century onwards a succession of Charters from the Crown strengthened the position of the Univ. In the Renaissance period the Univ. flourished, and 5 more Colls. were built. During the Reformation the Colls. suffered from confiscations of land and revenue, and the character of the Univ. changed with the dissolution of the monasteries. In 1571, the Univ. was incorporated by Act of Parliament, and much reorganization followed. The important code of statutes introduced in 1636 by Archbishop Laud, Chancellor of the Univ., remained in force with certain modifications for about 150 yrs. During the Civil War, the Univ. supported the King, who made Oxford his headquarters, and Parliament was held there. Under Cromwell, who was Chancellor from 1651 to 1657, an attempt was made to restore standards of work and discipline. Towards the end of the 18th century, the standard of studies rose as written examns. gradually took the place of oral examns. The constitution was revised in 1854 after a Royal Commission, and a Statutory Commission made comprehensive changes in 1877. College Statutes were re-made and studies reorganized. The professoriate was increased and re-endowed. In 1871, religious tests were abolished, and the M.A. degree was thrown open to non-conformists. Thereafter the hist. of the Univ. was one of steady progress and expansion. The Royal Commission of 1920–21 made no drastic changes, but the Statutory Commission which succeeded it adapted the existing machinery

to meet the needs of the times, one result being that the Univ. was given an annual Treasury grant.

CONSTITUTION. The *Congregation of the University* consists mainly of the teaching and administrative elements in the Univ. and Colleges. It is the principal legislative body in the Univ. and, subject to the postponing power of Convocation explained below, can adopt, reject or amend legislative proposals submitted by the Hebdomadal Council. *Convocation*, a larger body consisting of all Masters of Arts and Doctors of the Faculties of Divinity, Civil Law, and Medicine who have their names on the Univ. books, has the power of postponing, but not of rejecting or amending, Statutes or Decrees which have been passed by the vote of less than two-thirds of the members of Congregation present and voting. It also confers honorary degrees and degrees granted by Diploma. It sanctions petitions to Parliament, and authorizes the affixing of the Univ. seal when necessary. The *Hebdomadal Council* consists of the Chancellor, Vice-Chancellor, immediate ex-Vice-Chancellor (for one year after the expiry of his term of office), or one of the Pro-Vice-Chancellors who has not held the office of Vice-Chancellor, the Proctors, and 18 members elected by Congregation. It takes the initiative in all legislation of the Univ. and forms the central administrative body. Other important bodies, endowed with considerable powers and responsibilities, are the *General Board of the Faculties* and the *Curators of the University Chest.*

There are 14 *Faculties*, namely: Theol., Law, Med., Literæ Humaniores, Mod. Hist., Engl. Lang. and Lit., Med. and Mod. Langs., Oriental Studies, Phys. Sciences (including Maths.), Biol. Sciences, Social Studies, Anthropol. and Geog., Music, Agric. and Forestry. The organization of teaching, res. and examns. in the various subjects is in the hands of the several Faculty Boards, except that in the case of Psychology power is vested in a Bd. of Studies. The work of the Faculty Boards and Board of Studies is subject to the control of the General Board of the Faculties. A Faculty Board is in part composed of members elected by the Faculty.

The *Curators* are responsible for the financial administration of the University and for preparing the Accounts and Estimates.

The Chancellor, elected for life by Convocation, is a non-resident Officer. The executive power is chiefly in the hands of his Deputy, the Vice-Chancellor, who is annually nominated by him from among the Heads of Colleges, and the Proctors annually elected by the Colleges, Halls and other Societies in rotation.

The Colleges are corporate bodies distinct from the Univ. They manage their own property and elect their own officers; and the Proctors have no power within their walls. Their Statutes, however, render them subject to certain Univ. Statutes which deal, among other things, with reservation of a proportion of Fellowships for Univ. teachers and officers, the assignment of Fellowships to University Professorships, the admission of undergraduates, contributions for Univ. purposes, the presentation and audit of accounts, and the special examination of catering accounts. The relation between the Univ. and the Colleges is intimate. The great majority of the members of the Univ. belong to the Colleges, and all who belong to the various Colleges are at the same time members of the Univ. Teaching is given partly by Univ. Profs., Readers, Lecturers and Demonstrators, partly by the more numerous body of College Tutors and Lectrs.

Under the Universities of Oxford and Cambridge Act, 1923, which set up a Statutory Commission for Oxford, new Statutes were made for the University and for the Colleges. These Statutes were laid before Parliament and received the approval of the King in Council. A summary of the most noteworthy

changes embodied in them, prepared by the late Sir Henry Sharp, K.C.I.E., the Secretary to the Commission, will be found in the *Yearbook* for 1929, pp. 221 and 222.

ADMISSION. *See* Appendix I.

ADMISSION OF NON-MEMBERS OF THE UNIVERSITY TO (*a*) LECTURES. Admission to lectures in the Schools (but not to classes, seminars or informal instruction) is granted on certain conditions to persons who are not members of the University on payment of £5 a term, or, if admission to lectures in one Faculty only is desired, of £3 a term, or, where special privileges have been granted, without fee.

Fees are to be paid at the Office of the University Chest, Clarendon Building, Broad Street. Other enquiries should be made of the Clerk of the Schools at the Examination Schools.

Non-members of the Univ. may attend lectures and classes in Mod. Foreign Langs. on payment of fees varying from 10s. to 15s. per term for one hour a week. Application should be made to the Clerk of the Curators, Taylor Institution.

(*b*) REGISTER OF RECOGNIZED STUDENTS. 1. A Board of a Faculty or a Board of Studies may place the name of any applicant on the Register provided that the applicant (*a*) is not a member of the Univ., (*b*) possesses the qualifications required from candidates for admission to the status of Senior Student, (*c*) is placed under a Director of Studies appointed by the Board. 2. Application for admission as a Recognized Student shall be made to the Secretary of Faculties for submission to the appropriate Faculty Board or Board of Studies and shall be accompanied by (*a*) evidence of the degrees previously obtained by the applicant, (*b*) a statement of the proposed subject of study, (*c*) a certificate from a Prof. or Head of a Dept. of the Univ. supporting the application. 3. Every Recognized Student shall pay to the Curators of the Univ. Chest (*a*) a fee of £5 : 5s. on admission or readmission to the Register, (*b*) a terminal fee of £5 so long as his name is on the Register, (*c*) a composition fee under the provisions of Statt. Tit. XIX. § 26 (£10 or £6) if he is working as a student under regular instruction or supervision in any of the depts. or instns. included in the schedule attached to that sub-section, (*d*) a supervision fee of £5 or a tuition fee of £8 in every Term in respect of which he shall have been certified by his Director of Studies to have received supervision or tuition, as the case may be. 4. A Recognized Student shall cease to hold that status (*a*) if he shall have failed to pay the fees required under clause 4 (*b*), (*c*) or (*d*), (*b*) if his name shall have been removed from the Register by the Faculty Board or Board of Studies concerned. 5. Every Recognized Student shall be entitled: (i) to use the Univ. Libraries subject to the provision of the statutes governing particular Libraries; (ii) to attend lectures advertised in the lists of Boards of Faculties and Studies provided that attendance (*a*) at lectures described as seminars or classes or informal instruction shall be subject to the permission of the holder, (*b*) at lectures given in any Coll. bldg. shall be subject to the right of the Coll. concerned to refuse admission; (iii) to work in any Univ. Dept. or Instn. subject to the agreement of the Head of that Dept. or Instn. and subject to the provisions of clauses 3 (*c*) and 4 (*c*) above if the Dept. or Instn. is included in the schedule attached to Statt. Tit. XIX. § 28. 6. No Recognized Student shall have his name on the Register of Recognized Students for more than 3 terms. 7. A Faculty Board or Board of Studies shall have power to remove from the Register the name of any Recognized Student which it has placed on the Register.

THE ACTING ADVISER OF OVERSEAS STUDENTS. *See under* "University Administrative and other Staff," p. 456.

INCORPORATION. Members of the Univs. of Cambridge and Dublin can be, under certain conditions, "incorporated" into this Univ, *i.e.* admitted to the status and degree held in their own U niv. Notice of intention to incorporate as an undergraduate must be sent to the Registrar through the Head of a Coll., Hall or Society. The privileges of incorporation as a graduate are limited to (*a*) B.A., M.A., B.D., D.D. of those Univs., LL.B., LL.D., M.B., M.D., M.Chir. of Cambridge; (*b*) Sc.D., Mus.D., Litt.D. and Ph.D. of Cambridge or Dublin, if, being qualified, candidate also incorporates as M.A., or is eligible for membership of Congregation if voted M.A. by Decree. Graduates in Law of Cambridge shall, when incorporated, become B.C.L. or D.C.L., and Sc.D.s, Mus.D.s and Litt.D.s of Cambridge or Dublin shall become D.Sc., D.Mus. and D.Litt. of Oxford. Any applicant for incorporation must have kept by residence at his Univ. before taking his degree the same number of terms that he would have been required to keep at Oxford for the corresponding degree. If incorporating into two degrees, only the fee for the higher degree is payable. While an undergraduate is allowed to incorporate as a matter of course, a graduate must first satisfy the Hebdomadal Council that there are adequate reasons, *e.g.* that an educational post has been obtained at Oxford.

In 1910 a Delegacy for WOMEN STUDENTS was constituted, and provision made for recognition by the Univ. of Societies for their reception for academical study, students on the books of such Recognized Societies being accorded a privileged status. Under the provisions of a Statute approved by Convocation on May 11, 1920, which came into force on Oct. 7, 1920, women may be matriculated and admitted to degrees in the Univ. In that year the Delegacy for Women Students was abolished. Previous to matricn. a woman must have been admitted as a member of one of the 5 Societies of Women Students. A woman may be admitted to *Responsions* before matricn. provided her name is sent in to the Asst. Registrar by the Head or a Tutor of a Soc. to which she *bona fide* desires admission. Women members of the Univ. are admitted to all degrees under the same conditions as those prescribed for men as regards standing, examns., course of study, exercises and fees, and under analogous conditions as regards residence. A Women Students' Property Committee administers all property vested in the Univ. for the benefit of women members of the Univ. generally, and in particular the Nettleship Library and Bertha Johnson Loan Fund.

The number of resident undergraduate members of St. Anne's College (who keep statutable residence in hostels or houses approved by the Council of the College) is limited to 230 (exclusive of students for research degrees and persons provisionally accepted as such by Faculty Boards before coming into residence, being graduates of other Univs.); but in the first 4 yrs. after incorporation by Royal Charter (granted on May 19, 1952) a number in excess of 230 by 40, 30, 20, and 10 in each succeeding yr., is permitted to reside.

The number of undergraduates in residence at the other Societies of Women Students is limited by Statute to 200 (exclusive of students for research degrees and persons provisionally accepted as such by Faculty Boards before coming into residence, being graduates of other Universities) in the cases of Lady Margaret Hall, Somerville Coll., St. Hugh's Coll. and St. Hilda's Coll.

TERMS. The Academical year, which begins in Oct. and ends in July, consists of 3 terms, Michaelmas, Hilary and Trinity, beginning, respectively, on Oct. 1, Jan. 10, and the Wednesday after Easter Day, and ending

Dec. 17, the day before Palm Sunday, and the Saturday after the first Sunday in July. Residence within the walls of a College or Hall, or in licensed lodgings,* during a certain number of terms, usually 9, and never less than 6, is a condition of admission to any degree. Full terms: 1954–55— Oct. 10 to Dec. 4; Jan. 16 to March 12; April 24 to June 18.

DEGREES. B.A., M.A., B.Litt., D.Litt.; B.Sc., D.Sc.; B.Phil., D.Phil.; B.D., D.D.; B.C.L., D.C.L.; B.M., B.Ch., M.Ch., D.M.; B.Mus., D.Mus.

The degrees which are open to graduate students of other Univs. who are qualified for matricn. at Oxford are those of B.A., B.Litt., B.Sc., B.Phil., D.Phil., B.C.L. and B.D.

ARTS. Examns. in Arts, more usually called "Schools," are sharply divided into Pass and Honour examns.; in the former there is but one standard, in the latter successful candidates are distributed into 3 or 4 classes. No one is admitted to a place in the Class Lists who has exceeded a certain number of terms reckoned from Matricn. No conditions of residence are attached by the Univ. to either Pass or Honour examns.; it is simply for the attainment of the degree of B.A. that residence is obligatory. Every Coll., Hall and Society, however, has its own rules with regard to both residence and the entry for examns. A candidate for the degree of B.A. must (1) reside at the Univ. as a matriculated member during 9 terms, unless he is privileged as a member of another Univ. or as a "Service" Student; (2) pass or obtain Honours in the following examns.:

(*a*) *Responsions.* This is the Entrance Examination to the University. It must be passed, or some examn. accepted as equivalent to it, before matriculation. Names of candidates must be entered through an officer of the Society to which they intend to belong. *See* Appendix I.

(*b*) The *1st Public Examn.* This consists of (1) Honour Classical Modns., (2) Honour Math. Modns., (3) Honour Sci. Modns., (4) Law Modns., (5) Prelim. Nat. Sci., (6) Prelim. Geography, (7) Prelim. Mod. Langs., (8) Prelim. Mod. Hist., (9) Prelim. English, (10) Prelim. Classical (Gk. and Lat.) and Oriental Langs., (11) Prelim. Theol., (12) Prelim. Phil., Pol. and Econ., (13) Prelim. Music. In order to pass the Examn. a candidate must pass in one of these subjects.

(*c*) The *2nd Public Examn.* This consists of (*a*) a Pass School and (*b*) an Honour School. (*a*) Contains a large variety of subjects, and candidates taking it are required to pass in 3 of these, of which one must be a language-subject other than English. (*b*) Includes the following, a class in any one of which is sufficient: Literæ Humaniores (Philos. and Ancient Hist.); Maths.; Nat. Science (Phys., Chem., Physiol., Zool., Bot., Geol., Biochem. or Engin.); Jurispr.; Mod. Hist.; Theol.; Oriental Studies (Sanskrit, Arabic, Hebrew, Persian, Egyptian or Chinese); Engl. Lang. and Lit.; Mod. Langs. (French, German, Ital., Span., Russian, Mediæval and Mod. Greek, or Portuguese); Philos., Politics, and Econ. (Modern Greats); Geog.; Agric.; Forestry; Psych., Philos., and Physiol.; Music.

Under certain conditions, members of other Univs. and officers not under 21 yrs. of age who have held for not less than 3 yrs. a Commission in H.M. Regular Forces, and been seconded or specially relieved from active duty by the Admiralty, War Office, Air Ministry or India Office for the purpose of attending an academic course of not less than 2 yrs., may be admitted to the status of "Senior Student" and "Service Student" respectively, and obtain

* In special circumstances leave to reside in a house which has not been licensed may sometimes be obtained.

exemption from Responsions, and, under further conditions, from the 1st Public examn., as well as a remission of 3 terms of the necessary residence (*see* Appendix I).

ADVANCED STUDY AND RESEARCH. The DEGREES B.Litt. and B.Sc., instituted in 1895 in order to encourage special study and research, are granted upon the satisfactory completion of an approved course of special study or research pursued under supervision and for the most part at Oxford and of at least 6 terms' residence. Application to enter upon such a course may be made by any person who produces sufficient evidence of his ability and (1) is a member of the Univ. who has passed the examns. for the degree of B.A., or (2) has taken an approved degree at an approved Univ., or (3)—for the B.Litt.—has obtained an Oxford diploma with distinction, or is held by the Board of the Faculty to be fully qualified to engage in research. Applications must in all cases be made to the Sec. of Faculties through an officer of the Society to which the candidate belongs or desires to belong. Residence as a member of the Univ. for 6 terms is a necessary condition for either degree. A candidate for the B.Litt. must first undergo a course of training in research methods and then do a special piece of research work and write a thesis, and may be required to pass a written examn. For the B.Sc., which is confined to the Faculties of Science, Medicine, Anthropology and Geography, and Agriculture and Forestry, no probationary period is prescribed. The B.Phil. degree, instituted in 1946, is similar.

Of a similar nature, but of a much higher standard, is the degree of D.Phil., instituted in 1918 (v. p. 24).

The higher degrees, D.Litt. and D.Sc.. instituted in 1900, are awarded to graduates of Oxford for published work of outstanding merit.

THEOLOGY. The B.D. degree is open to candidates of over 26 yrs. of age who have passed a Qualifying examn. in Christian Theology, pursued a course of study therein extending over 6 terms, resided for 6 terms, and submitted a thesis of sufficient merit in some branch of the subject. No candidate may present a thesis until he has passed the Qualifying examn., which is open to Oxford M.A.s, to persons who have, not less than 5 terms previously, passed all examns. for the Oxford B.A., and, under certain conditions, graduates of other Univs. First-class or second-class hons. in School of Theol. exempts from this examn.

The degree of D.D. is open to those who have been admitted to the Oxford degree of B.D., subject to certain conditions of standing, provided they have submitted a thesis, or published work, of sufficient merit in some branch of Christian Theology.

LAW. The examn. for the B.C.L. degree is open either (1) to B.A.s of the Univ. or (2) under certain conditions (including residence for 6 terms) to graduates in Arts, Philos., Science, or Law of other Univs. The subjects are Jurispr., Roman and Engl. Law, together with a special subject from Law of Evidence, Law of Negotiable Instruments, Public Internat. Law or Roman-Dutch Law.

MEDICINE. The B.M. degree is open only to B.A.s of the Univ. who have passed certain examns. in Med. and Nat. Science. The total period of study for the degree (including the scientific subjects studied in the Arts course) is generally about 6 or 7 yrs., of which the last 3, devoted to clin. studies, may be spent either in the Oxford clin. sch. or in one in Lond. or elsewhere.

The B.M. is a necessary preliminary to the D.M. (awarded on a thesis) and to the M.Ch. (awarded on examn. and thesis).

Further information from the Sec. of the Med. Sch., Osler House, 43 Woodstock Road, Oxford.

MUSIC. The degree of B.Mus. is open to candidates who have been admitted to the degree of B.A. with 1st or 2nd class honours in Music and have also passed an examn. in Music and composed a Musical Exercise under conditions laid down by Statute. Residence for 9 terms is required. A B.Mus. may qualify for the degree of D.Mus. by submitting a musical composition for approval and passing a further examn. in Music, but cannot submit a composition until the 9th term after his admission to the Baccalaureate.

DIPLOMAS. Many of these are open to persons who are not members of the Univ. Minimum courses and addresses of Secretaries from whom particulars can be obtained:

Education, 1 yr. (or Vacation course, *see below*), Director, Department of Education, 15 Norham Gardens.

Economics and Political Science, minimum 1 yr., The Secretary, Delegacy for Social Training, Barnett House.

Public and Social Administration, 1 yr. and period of practical work, The Secretary, Delegacy for Social Training, Barnett House.

Anthropology, 1 yr., The Diploma Sec., Pitt Rivers Museum.

Forestry, 1 yr., The Professor of Forestry, School of Forestry. Open to graduates of Oxford or other Univs.

Agricultural Economics, 1 yr., The Director, Agricultural Econ. Research Inst., Parks Rd.

Classical Archæology, 1 yr., Sec. to Committee for Classical Archæol., Ashmolean Museum.

Theology, 1 yr., Sec. of Faculties (open only to members of the University).

Comparative Philology, 1 yr., The Prof. of C.P., Worcester Coll.

Statistics, min. 1 yr., Sec. of Faculty (open only to members of the Univ.).

Slavonic Studies, 1 yr., Sec. of Faculties (open only to members of the Univ.).

Music. Open only to members of the University who must either (1) be qualified for B.A. degree at Oxford, or (2) have passed the First Public Examination, and two Groups of the Final Pass School.

Law, min. 1 yr., Sec. of Facs. (open only to members of the Univ.).

Certificates: Physical or Cultural Anthropology, The Diploma Sec., Pitt Rivers Museum. Training for Social Work and Public Administration, The Sec. to the Delegacy for Social Training, Barnett House. Fine Art, The Ruskin Master of Drawing, Ashmolean Museum. Statistics (as for Diploma above).

REGULAR COMMISSIONS IN THE BRITISH ARMY. A scheme, whereby a University candidate may receive an antedate (which varies according to the class of Honours degree taken) to place him roughly on a level with his contemporaries from the R.M.A., Sandhurst, has been published by the War Office. Details may be obtained from the Sec. to the Delegacy for Military Instruction, H.Q., Oxford University Training Corps (T.A.), Manor Road (*Telephone*: 2488).

FLYING. The Oxford Univ. Air Squadron is a Squadron of the Royal Air Force, staffed by regulars, which offers flying trg. to undergrad. members of Univ. Men and women undergrads. are also accepted in ground branch for trg. in Fighter Control duties. On joining, all entrants become members of the R.A.F.V.R. No expense is involved in the flying and ground trg., which is arranged to interfere as little as possible with members' Univ. commitments. The Squadron is a recognized channel of entry for permanent commissions in

the R.A.F., either General Duties (flying), Technical, Equipment and Secretarial Branches or the R.A.F. Regiment. The Squadron is also a nursery for R.A.A.F., to which many members, who cannot take up regular commissions, apply to be transferred on going down from Univ. Direct entrants from Univ. can qualify for an antedate of seniority, depending on class of degree obtained. Candidates are subject to appropriate R.A.F. med. examns. on entry. Further information from H.Q., Oxford Univ. Air Squadron, Manor Road, Oxford (*Telephone*: 3321).

The DEPARTMENT OF EDUCATION, 15 Norham Gardens (*Telephone*: 58631/2), was established in 1919 and is under the general direction of a Delegacy. For staff, *see* p. 442. For the Univ. Dipl. in Educn. there is a 1-yr. postgrad. course of which one term is devoted to practical work in a school. Under certain conditions, the Diploma Course may be taken by undergraduate members of the Univ.

Vacation Courses are held from time to time, usually in July and Aug. These are either short courses for special groups, or refresher courses for teachers of experience, which are suitable also as an introduction to the more general study of educational questions and are open without restriction to both men and women.

INSTITUTE OF EDUCATION, 8 South Parks Rd. (*Telephone*: 57112). Under the care of the Delegacy for the Institute of Education. Established in 1951 to promote co-operation between the Univ., the constituent members of the Inst. (the Dept. of Education and Training Colls. in the area), local educn. authorities, and other educational agencies in the County Borough of Oxford, the County of Oxfordshire, and pts. of Berkshire and Buckinghamshire and other neighbouring areas. *Director*: M. L. Jacks, M.A. Ball. and Wadh.; *Secretary*: M. M. Spencer, M.A. Ball.

SCHOLARSHIPS AND FELLOWSHIPS. Entrance Scholarships (£100) and Exhibitions (£40-£80) are awarded by the various Colleges. Their actual value, in the large majority of cases, is £30 a year (or its equivalent), but a scholar or exhibitioner, after election, may be granted an additional sum not exceeding the advertised maximum of his award if he supplies satisfactory evidence that he is in need of further assistance.

The Univ. scholarships and fellowships are usually open only to members of specified standing. For those open to graduates of other Univs. *see* Appendix II.

The Rhodes Scholarships were founded in 1902 under the will of the late Cecil John Rhodes. The value of each is £600 a yr. The Scholarship is tenable at the Univ. of Oxford, and may be held for 3 yrs. Appointments are made for 2 yrs. in the first instance, and a third year is granted only if it is eminently in the interests of a scholar's immediate studies and future career.

Rhodes Scholars may, if the conditions are approved by their own College and by the Rhodes Trustees on the recommendation of the Warden of Rhodes House, either postpone their third year, returning after a period of work in their own countries, or spend their third year in postgraduate work at a Univ. of Gt. Britain, and in special cases at a Univ. on the continent of Europe, in the overseas Dominions, or in the United States, but not in the country of their origin. The conditions of the competition in each country or community are fixed from time to time by the Trustees.

In his will, Mr. Rhodes expressed the wish that "in the election of a student to a Scholarship, regard shall be had to (1) his literary and scholastic attainments; (2) his fondness for and success in manly outdoor sports, such as cricket, football, and the like; (3) his qualities of manhood, truth, courage, devotion

to duty, sympathy for and protection of the weak, kindliness, unselfishness, and fellowship; and (4) his exhibition during school-days of moral force of character, and of instincts to lead and to take an interest in his schoolmates." 35 Scholarships are awarded annually to the Brit. Commonwealth (36 in alternate yrs.) and 32 to the U.S.A.

The Dominions and Colonies. An annual Scholarship is assigned to each Province* of Canada; to each State of the Australian Commonwealth; to the Dominion of New Zealand (2); in South Africa to the Province of Natal, the Transvaal, the Orange Free State, Cape Province, S.A. College School in Cape Town, the Diocesan College School, Rondebosch, Paul Roos Gymnasium (formerly the Boys' High School), Stellenbosch, and St. Andrew's College at Grahamstown, in alternate years to the Eastern Province, and not more than three annually to Rhodesia. The Colonies of Jamaica, Bermuda and Malta have each an annual Scholarship. There is at present one annual Scholp. for India, and one for Pakistan.

In founding these Scholarships, Mr. Rhodes stated that he did so because he believed that the education of young Colonists at one of our residential Universities would "broaden their view," "instruct them in life and manners" and "instil into their minds the advantage to the Colonies as well as to the United Kingdom of the retention of the unity of the Empire."

United States of America. 4 Scholarships are assigned annually to each of 8 Districts, and are awarded among candidates sent forward from each State, of which there are 6, in the District. The reason given by Mr. Rhodes for founding the American Scholarships was his "desire to encourage and foster an appreciation of the advantages which I implicitly believe will result from the union of the English-speaking people throughout the world, and to encourage in the students from the U.S. . . . an attachment to the country from which they have sprung, but without I hope withdrawing them or their sympathies from the land of their adoption and birth." *The American Oxonian*, the official magazine of the Alumni Assocn. of American Rhodes Scholars, is published quarterly.

Number actually in residence, 1953–54, 170 (95 from the Brit. Commonwealth and 75 from the U.S.A.).

General. Candidates must be between 19 and 25 years of age and unmarried. They must be citizens of the country from which they come—usually with 5 yrs.' domicile; and must have at least 2 yrs.' standing at a regular degree-granting College or Univ., except in a few special cases. Detailed information for each country may be obtained from the offices of the Rhodes Trust, 36 Beaumont Street, Oxford.

Secretary to the Rhodes Trustees—The Lord Elton, 36 Beaumont Street, Oxford (*Telephone*: 57163). *Warden of Rhodes House, Oxford*—E. T. Williams, C.B., C.B.E., D.S.O., M.A. (*Telephone*: 55745; *Telegrams*: Augury, Oxford). *Local Secretaries*: *U.S.A.*—Courtney Smith, President, Swarthmore College, Pennsylvania; *Canada*—D. R. Michener, Q.C., M.P., 5 Rosedale Rd., Toronto, 5; *Australia*—G. W. Paton, Vice-Chancellor, Univ. of Melbourne, Carlton, N.3., Vic.; *South Africa*—A. H. Gie, Permanent Bldgs., 8 Darling St., Cape Town; *Rhodesia*—L. R. Morgan, Educn. Dept., Salisbury; *New Zealand*—I. F. McKenzie, Univ. of New Zealand, Wellington; *Jamaica*—Asst. Secretary, Education Authority, Kingston; *Bermuda*—Colonial Secretary's Office; *Malta*—Dr. J. A. Manché, Vice-Chancellor and Rector Magnificus, Royal Univ. of Malta; *India*—C. Eyre Walker, St. Stephen's Coll., Delhi, 8; *Pakistan*—Mr. Justice J. Ortcheson, C.B.E., 20 Punjab Club, Lahore, West Pakistan.

* Two each to Quebec and Ontario.

The APPOINTMENTS COMMITTEE deals with appointments of all kinds. It has representatives and correspondents in all Colls. and co-opted members from Industry, etc. Sec., C. E. Escritt, M.A. Keb. Ednl. Sec., A. R. Woolley, M.A. Wadh.; Women's Sec., Doris M. Fone, M.A. Som.; Asst. Sec. (Tech.), A. W. Selwyn, M.A. B.N.C.; Asst. Sec., P. D. Record, M.A. B.N.C. *Address*: 41 St. Giles, Oxford. *Telegrams*: Appointments, Oxford. *Telephone*: 55725.

1953: 850 permanent appointments, including: Government, 101; Education, 352; Commerce and Industry, 339; Journalism, etc., 31; Miscellaneous, 27. Temporary, 129.

The BODLEIAN LIBRARY, founded by Sir Thomas Bodley in 1602, which is also the general library of the Univ., contains about 2,000,000 printed books and 50,000 MSS. It is entitled, under the Copyright Act, to a copy of every book published in Gt. Britain and Ireland. Persons other than members of the Univ. are admitted on presenting a recommendation from some one in a responsible position in Oxford or elsewhere, knowing the applicant personally. The *Visitors' Guide* (on sale at the Library) gives a short history. The chief books relating to it are: Macray, W. D., *Annals of the Bodleian Library* (Clar. Press, 1890, 35s.); Clark, A., *Guide for Visitors* (Clar. Press, 1906, o.p.); Gibson, S., *Some Oxford Libraries* (Clar. Press, 1914, 5s.); Madan, F., *The Bodleian Library* (London, Duckworth, 1919, o.p.); Craster, Sir H. E. E., *History of the Bodleian Library, 1845–1945* (Clar. Press, 1952, 42s.); *The Bodleian Library Record* (3s. 6d. per number, obtainable from the Librarian).

There are the following dependent libraries of the Bodleian:

The Radcliffe Science Library at the Univ. Museum, about 300,000 vols., consisting of books and periodicals on Mathematics, Natural Science and Medicine.

The Indian Institute Library, devoted to Indian studies. There is also in the Indian Institute a museum illustrating Indian antiquities and Indian life.

Rhodes House Library (history of the British Commonwealth and the U.S.A.).

The TAYLORIAN LIBRARY (Modern Languages and Literature), about 160,000 vols., contains the chief philological, literary and historical works in the principal European languages and nearly all respective reviews, literary periodicals and publications of continental societies of importance.

COLLEGE AND OTHER LIBRARIES. Modern History and Law, at All Souls (The Codrington Library); Political Economy and Science, also at All Souls (The Brand Library). Other important collections include Russian and Slavonic books, at Queen's; History and Literature, MSS. of 17th cent., at Worcester; Music and Early Scandinavian collections, at Christ Church. The MSS. in the College Libraries are described in Coxe's Catalogue, published at the Clarendon Press, 1852.

There are also: the Nettleship Library, Woodstock Road (Librarian—Mary C. Draper); the English Library (Examination Schools) (Librarian—R. E. Alton, M.A. St. Edm. H.); a Geographical Library (*c.* 14,000 vols. excluding periodicals) and Maps (*c.* 17,000) at the School of Geography, Mansfield Rd. (Librarian—A. F. Martin, M.A. St. Joh.); Libraries at the Dept. of Forestry, the Bureau of Animal Population and the Edward Grey Inst. of Field Ornithology; a Social Studies Library at Barnett House, and a library on economics and statistics at the Institute of Statistics. *See also below* under "Museums" and "Laboratories".

MUSEUMS. *The University Museum* (*Telephone*: 57467) *and Science Area*, Parks Road and South Parks Road, include collections and laboratories with the following depts.: Ethnol. (Pitt Rivers Museum), Med., Human Anat.,

Pathol., Pharmacol., Chem. (Dyson Perrins Lab., Physical Chem. and Inorganic Chem. Labs.), Chem. Crystallog., Geol., Mineral., Engin. Science, Physics (Clarendon and Electrical Labs.), Physiol., Biochem., Zool. and Comparative Anat., Agric., For., Bot., Entomol. (Lepidoptera collection illustrating mimicry, etc.).

The Ashmolean Museum, Beaumont Street (*Telephone*: 57522) (Keeper—K. T. Parker, C.B.E., M.A. Or., F.B.A.), contains one of the best collections of European and Near Eastern archæol. in the world; the Univ's collection of coins; a fine collection of paintings, old master drawings, water-colours, Italian maiolica and bronzes, English silver and other objects of applied art; and an important library of art and archæol. for the use of students.

The Museum of the History of Science (*Telephone*: 3997) (Curator—C. H. Josten, M.A. B.N.C.) in the Old Ashmolean building, Broad Street, illustrates the history of scientific studies, especially in Oxford, by contemporary instruments, portraits and books.

The Pitt Rivers Museum, Parks Road (*Telephone*: 57467) (Dept. of Ethnol. (Technol.)) (Curator—T. K. Penniman, M.A. Trin.), has an anthropological collection and library illustrating the evolutionary history of material arts, and publishes occasional papers.

LABORATORIES: Electrical; Clarendon (Physics); Chem., Org., Phys. and Inorg.; Physiol.; Biochem.; Zool. and Comp. Anat.; Entomol., with extensive Collections and Library; Bot.; Geol. (special equipment for study of fossils by serial sections); Mineral.; Chem. Crystallog.; Engin.; Forestry (exper. plantations and forest garden); Human Anat.; Pathol. and Bacteriol.; Human Nutrition; one *Observatory*.

The DEPARTMENT OF FORESTRY (Imperial Forestry Institute), South Parks Road (*Telephones*: 55757, 57891)—Prof. H. G. Champion, C.I.E., M.A., D.Sc. St. Joh.—trains students for the B.A. Honours degree and the postgraduate Diploma and also those selected for Colonial Forest Service Probationerships; it provides advanced courses for forest officers of the Commonwealth and others, undertakes the structural examination and identification of woods and the identification of trees, and carries out research on biological and economic problems bearing on forestry. The Dept. is financed jointly by the Univ., the Colonial Office and Govts., the Forestry Commission, and other smaller contributors.

The DEPARTMENT OF AGRICULTURE, Parks Road (*Telephone*: 57245). Prof. G. E. Blackman, M.A. St. Joh., is responsible for the teaching of agriculture for the Honour School. Such teaching is undertaken in collaboration with the *Agricultural Economics Research Institute*, Parks Road (*Telephone*: 57775)—Director, C. G. Clark, M.A. B.N.C. The Institute runs a postgrad. 1-yr. course for the Dipl. in Agric. Economics. The Dept. of Agriculture is actively engaged in research in the fields of crop physiol. and experimental agronomy, with especial reference to the development of selective herbicides and the application of radioactive isotopes to biological investigations. Facilities for research are available both within the Dept. and at the Univ. Field Station, Wytham. The Inst. covers a wide field of research in agricultural economics.

The NUFFIELD INSTITUTE FOR MEDICAL RESEARCH, Woodstock Road (*Telephone*: 3713), founded 1935. Director—G. S. Dawes, D.M., B.Sc. Worc. The Institute is housed in the old Radcliffe Observatory, which, with its surrounding grounds, was purchased by Lord Nuffield from the Radcliffe Trustees and presented to the Univ. to be converted for its present purpose. The Board of the Faculty of Medicine is required to make provision in the

Institute for the study of clinical, physiological, pharmacological and anatomical problems by means of radiological and allied techniques, including X-ray cinematography, for so long as it may think desirable, and for such other subjects of study as it may from time to time determine.

The INSTITUTE OF STATISTICS, founded 1935, is a centre for statistical research in economics and social studies and for the teaching of statistical methods. It publishes a monthly bulletin and occasional papers and monographs. A library of 20,000 vols. on economics and statistics is available to members of the Univ. Director—F. A. Burchardt, D.Phil. Kiel, M.A. Magd. Address: St. Cross Rd., Oxford. (*Telephone*: 48239.)

INSTITUTE OF EXPERIMENTAL PSYCHOLOGY, 34 Banbury Rd. (*Telephone*: 55080), founded 1936. Director—Prof. G. Humphrey, Ph.D. Harv., M.A. Camb., M.A. Magd., F.R.S.C.

DEPARTMENT OF ZOOLOGICAL FIELD STUDIES, established by Statute of the Univ. in 1947, to include, under the charge of the Linacre Prof. of Zool. and Comparative Anat. (A. C. Hardy, M.A., D.Sc. Mert., F.R.S.) or a deputy, the BUREAU OF ANIMAL POPULATION (*Telephone*: 4261) and the EDWARD GREY INSTITUTE OF FIELD ORNITHOLOGY (*Telephone*: 47826) (first established by Statute of the Univ. in 1938). Now housed at the Old Botanical Lab., High St., Oxford. The work of the Dept. of Zoological Field Studies ncludes the study of animals in nature—their behaviour, ecology and evolution; and the functions of the Edward Grey Inst. of Field Ornithol. are to carry out res. into these problems with relation to birds. Directors: Bureau of Animal Population—C. S. Elton, M.A. C.C.C., F.R.S.; Edward Grey Institute of Field Ornithology—D. Lack, M.A., Sc.D. Camb., M.A. Magd., F.R.S.

INSTITUTE OF COLONIAL STUDIES. Established by Statute of the Univ. in 1945. The Institute has a library, a seminar room, tutors' rooms and offices at 10 Keble Rd. (*Telephone*: 57541), not far from Rhodes House. The Institute is governed by the Committee for Colonial Studies of the University of Oxford. Dir.: Sir Reader Bullard, K.C.B., K.C.M.G., C.I.E., M.A. Linc. Sec. to the Committee: Mrs. Mary Holdsworth, M.A. St. Hu.

MATHEMATICAL INSTITUTE. Established by statute of the Univ. in 1953 and housed at 10 Parks Rd. (*Telephone*: Oxford 55464). The premises are allotted to the Sub-Fac. of Maths. for lecturing, instruction and res. A cttee. has charge of the Inst. and appts. a Curator who acts as Sec. of the cttee. Curator: Prof. E. C. Titchmarsh, M.A., F.R.S.

HALIFAX HOUSE. Established by statute of the Univ. in 1950 and run by a Cttee., Halifax House is a hostel, club and social centre for graduate students and sr. members of the Univ., and has premises at 7 Parks Road (*Telephone*: 478981). Warden: Muriel Nicholas.

MAISON FRANÇAISE, 72 Woodstock Rd. (*Telephone*: 57666): cultural centre, established by decree in 1946 and set up originally to promote closer relations between the Univ. of Oxford and the Univ. of Paris. Director: H. Fluchère, M.A.; Asst. Director: R. Hibon, M.A.

SOCIETIES APPROVED FOR HIGHER STUDY AT OXFORD. The following have been approved as Societies for higher study at Oxford, the members of which may have their names entered in the Univ. Register of Diploma students although they are not members of the Univ.:

University Delegacy for Social Training. Courses of training in preparation for the Univ. Diplomas in Public and Social Administration and in Economics and Political Science and for the Univ. Certs. in Public Adminis-

tration and in Social Training are provided for graduates and for other qualified students. The cost is at the rate of £15 a term. Further particulars from the Secretary to the Delegacy, 35 Beaumont St., Oxford (*Telephone*: 55050).

Catholic Workers' College, 1 Walton Well Road (*Telephone*: 55720) (1921). Subject to accommodation being available, any adult working-class student is admitted provided that the fees are guaranteed, the College regulations accepted and references supplied in proof of good character. The Principal must also be satisfied of the candidate's aptitude as a student. Period of residence, 1 or 2 yrs. Fee, £150 p.a., covering board, lodging, lectures and tuition. Particulars of available scholarships may be obtained on application to the Principal.

Ruskin College, Walton St. (*Telephone*: 55920) (1899). Principal—H. D. Hughes, M.A. A residential college for Adult Education, open on equal terms to men and women students, offering courses in Social Sciences and Trade Union Studies. Foreign students must produce evidence of sufficient educational background, aptitude and knowledge of English to enable them to follow the courses. Fee, £150 p.a. covering board, residence and tuition. A list of scholarships available will be supplied on application to the Secretary.

Ruskin School of Drawing and of Fine Art, Ashmolean Museum (*Telephone*: 55744), founded by John Ruskin in 1871. Ruskin Master of Drawing—P. Horton, M.A. A Cert. Course in Fine Art is offered by the Univ. for students who reach a proper standard in drawing, painting, design (inclusive of lithography and wood-engraving), anat. and hist. of art. Fees, £12 : 12s. per term. This course normally extends over 3 yrs. Students with certain qualifications may apply for permission to pursue a course extending over not less than 2 yrs. The Cert. Course is recognized by the Ministry of Educn. as an approved course leading to the National Dipl. in Design in Painting. Undergrad. members of the Univ. may become members of the school on payment of a nominal fee.

The Oxford and Cambridge Schools Examination Board, established 1873, examines or inspects and reports on the work of schools which provide education of the highest grade. It also holds yearly examns. and awards a General Certificate of Education, which exempts the holder, under certain conditions, from Responsions and the Previous Examination, the minimum entrance requirements of London and other Univs., and the Preliminary examns. of various professional bodies, etc. Its examns. are held at schools in the British Isles, and also in Egypt, the Middle East, the West Indies and British Guiana. For L.E.A. and State Scholps., *see* pp. 9-10. The Regulations of the Bd. are published by the Oxford and Cambridge Univ. Presses (post free 1s. 10d.). Secs.: at Oxford—G. J. R. Potter, M.A., 74 High St. (*Telephone*: 3549); at Cambridge—A. E. E. McKenzie, M.A., 10 Trumpington St. (*Telephone*: Cambridge 4658).

The Oxford Delegacy of Local Examinations, Merton Street (*Telephone*: 2456). Sec., C. W. Stokes, M.A. Jes. The Delegacy holds examns. and awards a G.C.E. in the summer and autumn, at centres in Gt. Britain and Northern Ireland, in Malta, and at a few other overseas centres. Successful candidates will, on certain conditions, be exempted from Responsions, the Cambridge Previous, various matricn. examns. and Univ. Intermediate Examns. State Scholps. and Major Scholps. of certain L.E.A.s are awarded on the results of the G.C.E.* The Regulations (post free 1s. 6d.) may be obtained from the Secretary of Local Examinations, 12 Merton St. The

* *See* pp. 9-10.

Examination is open to persons of both sexes. There is an age limit below which candidates may not enter except under certain conditions. Candidates need not be in attendance at any educational institution.

In Summer 1953 the G.C.E. was held at 775 centres, of which 25 were overseas. The total number of candidates was 33,778, of whom 4479 took some papers at Advanced level.

In Autumn 1953 the G.C.E. was held at 469 centres, of which 16 were overseas. This examn. was limited to Ordinary level papers and there were 10,057 candidates.

EXTRA-MURAL STUDIES. The Delegacy for Extra-Mural Studies is concerned with the promotion of the liberal studies of adults, through classes and courses, principally in Oxfordshire, Berkshire and Buckinghamshire, North Staffordshire, Kent and East Sussex, and the City of Lincoln. The constituent cttees. of the Delegacy, through which it functions, are the Tutorial Classes Cttee. and the Univ. Extension Lectures Cttee. It co-operates closely with L.E.A.s, with the W.E.A. and with other voluntary organizations.

The work is carried on through (*a*) 3-yr. tutorial classes, the students of which pledge themselves to complete the course, and to undertake reading and written work under the guidance of the tutor; (*b*) preparatory tutorial classes, of 1 yr.'s duration; (*c*) Univ. sessional classes, usually of 20 to 24 meetings; (*d*) Univ. extension lecture courses, usually of 6 to 24 meetings; (*e*) residential summer schools, including vacation courses for overseas grad. students; (*f*) shorter residential courses; and (*g*) courses, of work of comparable standard, for members of H.M. Forces.

The Warden of Wedgwood Memorial College, Barlaston, North Staffs., is one of the Delegacy's extra-mural tutors. The Delegacy co-operates also with the Y.M.C.A. residential college at Kingsgate, Kent.

The cttees. of the Delegacy employ 31 full-time tutors and lectrs. (*see* p. 456) resident in the areas covered by the Univ.'s extra-mural activities.

The Delegacy offers a number of scholps. to enable suitable men and women in the adult educn. movement to come up to the Univ. and read for degrees. On the recommendation of the Delegacy, adult students may be admitted to the Univ. without having to pass Responsions.

Address: Rewley House, Wellington Square, Oxford (*Telephone*: 57203). Sec. to the Delegacy, F. W. Jessup, B.A., LL.B. Lond., M.A. St. Joh., F.S.A.; Dep. Sec., F. V. Pickstock, M.A. Qu.; Asst. Sec., R. W. Lyne, M.A. Camb. and Keble; Tutorial Sec., H. P. Smith, M.A. Ball.

EXPENSES. **"It is not possible to make any general estimate of the cost of a University course, which varies with different Societies and depends upon the student's own means and tastes. It must suffice here to enumerate certain items common to all undergraduates, and to recommend persons anxious for further details to consult the authorities of the Society which they wish to join."**

The *General Information* pamphlet quoted in the paragraph above also specifies the following items: — I. *Payments on Commencing Residence*: *University*—Matricn. fee, £6. *College*—(1) Admission fee, average £15. (2) Caution money (returned when name is removed from the books, and often in part on taking a degree). Varies for Commoners from £30 to £10. Scholars are sometimes excused altogether. II. *Payments during Residence*: *University*—(1) Dues, £6: 6s. p.a., paid terminally for twelve terms; thereafter £1 p.a. (except for M.A.s). (2) Examn. fees, about £10 in all for the B.A. course, exclusive of Responsions. (3) Degree fees, B.A., B.Litt. or B.Sc. degrees, £7: 10s. *College*—(1) Tuition fee, usually £54 p.a.: it is increased for students who read science or require extra tuition. (2) Subscrip-

tions to Clubs vary ; say, £8 : 8s. to £10 : 10s. p.a. (3) The method of reckoning fees and charges varies. In some Colls. there is an inclusive charge of £75 per term. This charge covers item (1), board (breakfast, lunch, dinner), lodging, service, fuel and lighting (but not personal laundry). Some Colls. scale the charge according to the rooms occupied ; some make other minor adjustments. In other Colls. the main items are included in a terminal composite fee, the remaining items being charged separately. Either system leads to a total Coll. bill of between £110 and £130 per term. (4) Degree fees, which vary between £5 and £1.

The scale of charges is under consideration in many Colls. and may be adjusted to meet any considerable changes in maintenance and service costs.

VACATION COURSES. *See under* Extra-Mural Studies on p. 488.

PRINCIPAL STUDENT ATHLETIC FACILITIES. There are facilities at Oxford for the following games and athletic pursuits: boating, athletic sports, cricket, Association football, Rugby football, golf, relay races, running, hockey, ice hockey, lawn tennis, polo, tennis, rackets, squash rackets, boxing, fencing, lacrosse, swimming, yachting, shooting, badminton, jiu-jitsu.

PUBLICATIONS. *Calendar* (Jan.), 18s. net (includes lists of University officers, boards and committees; professors, readers, lecturers and demonstrators; institutions; fellowships, scholarships and prizes; and information relating to membership of Colls., Halls and other Societies; it also includes the Honours Lists from 1950). Honours, 1901–30, are given in the *Supplement to the Historical Register*, 7s. 6d. net, together with much other historical information, and honours from 1931 to 1950 in a *Supplement 1931–50* (10s. 6d. net) published in 1951. Honours to 1900 are in the *Historical Register*, which is now out of print. *Handbook to the University of Oxford* (last reissue, 1954 ; revised annually), 10s. 6d. net ; (i) a general section on history, constitution and government, the tutorial system, life in college (and its cost), etc. ; (ii) a statistical section on degree courses and the like ; *Responsions* Pamphlet (June), 6d. net, by post 7½d. (Regns. with dates of examns. and general information) ; *General Information* (admission, residence, entrance scholarships, examns. for B.A., etc.), 6d. net, by post 7½d. ; *Facilities for Advanced Study and Research* (details of the Diplomas and higher Degrees open to graduates of other Univs.), 6d. net, by post 7½d. ; *Statuta* (Oct.), 10s. net ; *Examn. Statutes* (Sept.), 3s. 6d. net (post, 4s.) ; *Pocket Diary* for academic year (Oct.), 7s. 3d. net (by post 7s. 6d.) ; *Resident Members*, with their addresses, 6s. net per term, by post 6s. 3d. ; *Oxford and Cambridge Schools Examn. Board*, Annual Report (1s. net, by post 1s. 3d.) ; Regulations, 1s. 6d. net each (post 1s. 9d. each), Lists of Successful Candidates, and Papers of the School Certificate Examinations. All the above are obtainable from the Oxford University Press, Press Road, Neasden, London, N.W.10, as are likewise the official *University Gazette* (annual subscription, 10s. 6d. post free) and the *Oxford University Press General Catalogue*.

Unofficial periodicals: *Oxford Magazine* (during term), 6d. ; *Oxford* (annually), 1s. 6d. net ; *Isis* (during term), 6d. ; *Cherwell* (during term), 6d. Among other sources of information regarding the Univ. the following may be cited: A. à Wood, *Hist. of the Univ. of Oxford*, 3 vols., 1792–96 ; A. à Wood, *Athenæ Oxon. (with Fasti)*, ed. by P. Bliss, 4 vols., 1813–20 ; H. C. Maxwell-Lyte, *Hist. of the Univ. of Oxford to 1530*, 1886 ; J. Foster, *Alumni Oxon., 1550–1886*, 8 vols., 1887–92 ; *The Colleges of Oxford*, ed. by A. Clark, 1891 ; *College Histories*, published by F. E. Robinson & Co. ; C. Headlam, *The Story of Oxford*, 1907 ; Sir C. Mallet, *Hist. of the Univ. of Oxford*, 2 vols., 1924 ; F. P. Barnard and T. Shepard, *Arms and Blazons of the Colleges of Oxford* (O.U.P.,

7s. 6d. net) ; C. R. L. Fletcher, *A Handy Guide to Oxford* (O.U.P., 2s. 6d. net) ; *The Government of Oxford* (O.U.P., 1931).

UNIVERSITY PRESS. (For Staff, *see* p. 457.) The University Press is a dept. of the University controlled, through its Secretary, by a board consisting of the Vice-Chancellor and Proctors and ten Delegates appointed from members of Convocation. Its headquarters are at Oxford, in the Clarendon Press building, where are also the publishing dept. responsible for learned books, and the printing works. Books produced at Oxford are distributed by the Publisher to the University in London, who himself publishes for the University other classes of less learned books. In addition to these depts., and a paper-mill at Wolvercote, Oxford, the Press also owns and controls branches overseas, for the production of books of local interest as well as the sale of those produced in England.

Addresses of Publishing Depts. in England : *Oxford* : The Secretary to the Delegates, Clarendon Press, Oxford (*Telephone* : Oxford 57457) ; *London* : The Publisher to the University, Oxford University Press, Amen House, London, E.C.4 (*Telephone* : London, City 7701) ; and of the Printer to the University : Clarendon Press, Oxford (*Telephone* : Oxford 2265).

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS AND BEQUESTS. Late Mrs. H. M. Allen, late E. H. W. Meyerstein, Alderman Hird and National Art-Collections Fund, bequests and gifts for Ashmolean Museum ; late Mrs. H. M. Allen, late E. H. W. Meyerstein, the Pilgrim Trustees, A. A. Houghton, Mrs. Moss and Mrs. W. F. R. Hardie and family, bequests and gifts for Bodleian Library ; Nuffield Foundation, grants for work in Dept. of Bot. and Nuffield Inst. for Med. Res., for work by Dr. P. K. Sanders and P. M. David, and for a pilot study of the Oxford Social Survey ; Rockefeller Foundation, grants for res. in Dept. of Inorg. Chem., Human Anat. and Pharmacol. ; Messrs. Merck & Co., Inc., Messrs. Eli Lilley & Co., and Messrs. Ch. Pfizer & Co., Inc., grants for use of Prof. of Pathol. ; Prof. N. V. Sidgwick, bequest of part of residuary estate ; C. W. Boise, grant for palæontol. res. in Africa ; Dr. T. V. Barker, bequest of moiety of residuary estate ; Shell Petroleum Co. Ltd., grant for use in Clarendon Lab. ; grant from I.C.I. Ltd., and bequest from A. H. Macpherson for Edw. Grey Inst. of Field Ornithol. ; Guinness Res. Fellowships in Microbiol. Biochem.

NEW BUILDINGS. Extension of Human Anat. Lab. ; addtl. bldgs. begun for Worc. & Pemb. ; further portion of Nuffield Coll. ; Field Station, Wytham.

NEW POSTS. Professorship of Comparative Slavonic Philol. ; 1 demonstratorship ; 1 Univ. lectureship ; 1 deptl. asstship. to Prof. of Eur. Archæol.

OTHER DEVELOPMENTS. Establishment of Mathematical Inst. ; abolition of Inst. and professorship of Soc. Med. and substitution of readership and unit ; allocation of premises to Fac. of Music.

LEGISLATION AND CHANGES IN REGULATIONS. Increase in stipend of Bampton Lectr. and establishment of Sarum Lectureship (open to laymen) in alternate yrs. ; amalgamation of Men's and Women's Appts. Cttees. ; reconstitution of Central Scholp. Cttee. and widening of its term of reference ; extension of retiring age for teachers and admin. officials from 65 to 67, and for Nuff. Profs. from 60 to 67 ; change in form of Litchfield Lectures ; increase in number of examiners in certain Honour Schools ; various minor changes in regns. for examns. and exemption from Responsions ; minor alterations in regns. for Univ. scholps. and prizes.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. J. M. Clark, Col.; Prof. E. D. Domar, Johns H.; Prof. L. Edelstein, Calif.; Prof. A. B. Hastings, Harv.; Prof. H. C. Hinton, Georgetown; Dr. P. H. Igarashi, Chic.; Prof. A. B. Leavelle, Stan.; Prof. L. A. Landa, Prin.; Dr. J. Rawls, Prin.; Prof. J. W. Moulder, Chic.; Prof. R. S. Mulliken, Chic.; Prof. E. Chase, Lafayette Coll.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. J. A. Barltrop, Calif.; Prof. T. G. B. Osborn, Adel.; Prof. F. P. Wilson, Calif.; K. E. Hunt, U.S.A. (under Econ. Co-operation Admin. Scheme); A. D. Flanders, Calif.; Dr. E. Wellesz, Wash.; H. C. Allen, Australia; K. C. Turpin, American Univs.

RETIREMENTS. Hon. E. M. Plumer, Principal of St. Anne's; T. G. B. Osborn, Sherardian Prof. of Bot.; K. Mason, Prof. of Geog.; E. D. M. Fraenkel, Corpus Prof. of Latin; C. B. Falls, Chichele Prof. of Hist. of War; S. Chapman, Sedleian Prof. of Nat. Philos.; H. T. Wade-Gery, Wykeham Prof. of Ancient Hist.

RESIGNATION. K. A. H. Murray, from Rectorship of Lincoln on becoming Chairman of U.G.C.

DEATHS. A. W. Ashby; Dr. G. D. H. Carpenter; Sir Reginald Coupland; Canon H. Danby; Miss D. Everett; E. Hope; Miss Henrietta Jex-Blake; Sir Frederick Kenyon; Prof. D. H. Macgregor; Rev. C. A. Marcon; L. J. Morison; Dr. J. Oldfield; Miss Olwen Rhys; H. N. Spalding; Sir T. W. J. Taylor; Rt. Rev. F. S. G. Warman; Sir Francis Wylie.

HONORARY DEGREES. *D.C.L.*—Signor A. De Gasperi; Rt. Hon. Sir David Maxwell Fyfe; Rt. Hon. H. S. Morrison; Sir Jacob Epstein; Rt. Hon. L. S. St. Laurent; Sir H. G. Howitt; Sir Ernest Oppenheimer; Sir Sarvepalli Radhakrishnan; M. R. Varin; Dr. M. Wolff; Dr. W. G. Penfield*; Sir Edmund F. Herring*; Senator J. W. Fulbright*; Chief Justice A. van de S. Centlivres.* *D.Litt.*—F. C. J. M. Barbeau *; Sir T. D. Kendrick; Sir John Gielgud; C. J. Gadd; Prof. P. Fraccaro, Rector of Pavia Univ. *D.Sc.*—Prof. A. B. Hastings. *M.A.*—Fl. Lt. J. B. Acres; Dr. J. F. Foster; Joan Wake.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	5799	..
Women	1079	..
Total	6878	..

Postgraduate students, 1162.

New admissions, 2173.

Students from other countries, 689. (Countries from which largest numbers came: U.S.A., 176; Australia, 77; Union of S. Africa, 74; Canada, 65; India, 33; N.Z., 24; France, 17.)

DEGREES. *Arts*: B.A., 1672 and 16 incorporations; M.A., 1074 and 9 incorporations; D.Litt., 3; B.Litt., 81; B.Phil., 9; *Div.*: B.D., 6; D.D., 2; *Law*: B.C.L., 35; D.C.L., 1; *Med.*: B.M., 80; M.Ch., nil; D.M., 19; *Music*: B.Mus., 1; D.Mus., nil; *Sci.*: B.Sc., 41; D.Sc., 3; *All Facs.*: D.Phil., 143.

* In connexion with Rhodes Centenary.

[*Information compiled as at* 10/6/54 ;
Staff list revised on 28/9/54.]

UNIVERSITY OF READING*

Founded 1926

Postal Address : Reading, Berkshire, England.
Telephone (Registrar) : Reading 81771.

VISITOR—H.M. THE QUEEN.

CHANCELLOR—The Rt. Hon. THE VISCOUNT TEMPLEWOOD, G.C.S.I., G.B.E., C.M.G., D.C.L., LL.D., D.Litt.

VICE-CHANCELLOR—J. F. WOLFENDEN, C.B.E., M.A. Oxon.

PRESIDENT OF THE COUNCIL—Sir GEORGE R. MOWBRAY, M.A. Oxon.

TREASURER—M. LUBBOCK, M.A. Oxon.

REGISTRAR—E. SMITH, B.Litt. Oxon., M.A., B.Sc. Liv.

LIBRARIAN—A. MARY KIRKUS, B.A. Lond., M.A., F.R.Hist.S., F.L.A.

BURSAR—E. H. CARPENTER.

TEACHING STAFF

Agricultural Botany

Goodall, D. W., B.Sc., Ph.D. Lond., D.Sc. Melb., D.I.C. Prof.

Lecturers

Erith, Adela G., B.Sc., Ph.D. Lond. Sr. Lectr.
Waldie, J. S. L., B.Sc. Edin.
Snow, D., Ph.D. Glas., B.Sc (Agric.).
Owen, H., B.Sc. (Agric.), Ph.D.
Haworth, Greta, M.Sc. Manc., Ph.D.
de Courcy, A. V., B.Sc. Asst. Lectr.

Agricultural Chemistry

Tyler, C., B.Sc., Ph.D. Leeds, F.R.I.C. Prof.

Lecturers

Grimbleby, F. H., B.Sc. Leeds, Ph.D.
Tinsley, J., B.Sc. (Agric.), Ph.D., F.R.I.C.
Wild, A., B.Sc. Leeds, Ph.D. (on leave, 1954–57).
Taylor, T. G., M.A. Camb.
Hassall, K. A., B.Sc. Lond., B.Sc., Ph.D.
Moore, J. H., B.Sc. Wales, Ph.D.
Balch, D. A., B.Sc. (Agric.), Ph.D.
Davies, J. M., B.Sc. Asst. Lectr.

Hon. Research Fellow

Geake, F. H., M.Sc. Brist.

Agricultural Economics

Thomas, E., B.Litt. Oxon., B.Sc. Wales Prof. and Provincial Agricultural Economist.
Bisset, G. B., B.Sc. Aberd., M.S. Corn. Sr. Res. Economist.
Blagburn, C. H., B.Sc. (Agric.) Lond. Sr. Res. Economist.
Bennett, L. G., Ph.D. Sr. Res. Economist.
Tuck, R. H., M.A. Oxon. Lectr.
Mills, F. D., B.A. Manc. Lectr.

* Member of the Association of Universities of the British Commonwealth.

Higgs, J. W. Y., M.A. Camb. (Hist. of Agric.) Lectr.
5 Res. Economists, 1 Res. Asst.

Agriculture

Duckham, A. N., C.B.E., M.A. Camb. Prof.

Lecturers

Fox, S., M.A. Camb.
Dominy, J. N., F.R.I.C.S. (Surveying and Bldg. Constructn.).
Pearce, J., Ph.D.
Gibb, J. A. C., M.A. Camb., M.Sc. Durh. (Farm Mech.).
Jewell, C. A., B.Sc. (Agric.).
Morris, T. R., B.Sc. Asst. Lectr.
Milbourn, G. M., B.Sc. Asst. Lectr.
Carroll, M.A., B.Sc. Wales Asst. Lectr.
Morgan, K. E., B.Sc. Wales (Farm Mech.) Asst. Lectr.

Art (School of Art)

Betts, J. A. Prof.

Lecturers

Bayford, Valerie E. (Embroidery, etc.).
Carter, A. C., F.R.B.S. (Modelling and Sculpture).
Clark, H. F. (Landscape Archit.).
Finney, H. (Drawing and Painting).
Ormrod, F. (Design).
McCance, W. (Typog., etc.).
Davies, T. Barry (Art Educn.).
Redman, H. V.

Sessional Lecturers (Pt.-time)

Stanfield, Marion W., F.R.S.A. (Sculpture).
Ettlinger, L. D., Ph.D. Marburg (Hist. of Art).
Evans, J. B.

Biochemistry

Kay, H. D., C.B.E., Ph.D. Camb., D.Sc. Manc., F.R.S. Res. Prof.

Botany, v. also Agric. Bot.

Harris, T. M., M.A., Sc.D. Camb., B.Sc. Lond., F.R.S. Prof.

Lecturers

Maxted, Mrs. Barbara, B.Sc., Ph.D. Lond. (Pt.-time).
Hora, F. B., B.A., D.Phil. Oxon.
Watson, E. V., B.Sc., Ph.D. Edin.
Warren Wilson, J., M.A., D.Phil. Oxon.

Chemistry, v. also N.I.R.D. (p. 496) and Agric. Chem.

Guggenheim, E. A., M.A., Sc.D. Camb., F.R.S.
Dean, Fac. of Sci., Prof.

Lecturers

Maxted, D. R., B.Sc. Lond.
Cheesman, G. H., B Sc., Ph.D. Lond., D.I.C., F.R.I.C.
Holt, P. F., B.Sc., Ph.D. Lond.
Halberstadt, E. S., B.Sc., Ph.D. Lond.
Prue, J. E., M.A., D.Phil. Oxon.
Leese, C. L., B.Sc., Ph.D. Lond.
McGlashan, M. L., M.Sc. N.Z., Ph.D.

Classics

Cormack, J. M. R., B.A. Camb., M.A. Aberd. Prof.

Lecturers

Williams, R. D., M.A. Camb.
Stephen, Mrs. Gwendolen M., M.A. Camb.
Creed, J. L., B.A. Camb. (on leave)
Wardman, A. E., B.A. Camb.
Robertson, F., M.A. Aberd., B.A. Camb. Asst. Lectr.

Hon. Research Fellow

Ure, Mrs. Annie D., B.A. Lond. (Gk. Archæol.)

Dairying

Crossley, E. L., B.Sc. Lond., F.R.I.C. Prof.
Sheppard, Anne Lectr.
Cheke, Valerie E. Lectr.
Rothwell, J., B.Sc. (Dairying). Lectr.
East, Marcella A., B.Sc. (Dairying) Asst. Lectr.
MacKenzie, P. K. Sessional Lectr.

Education

Dobinson, C. H., M.A. Oxon., B.Sc. Lond. Prof.

Lecturers

Campbell, Isabella E., M.A., B.Ed. Edin., Ph.D., F.B.Ps.S.
Armstrong, H., M.A. Lond., M.Sc. Leeds, M.Ed. Durh.
Mallinson, V., M.A. Leeds.
Murray, Clara A., B.Sc. Lond.
Fleming, Mary A., B.A.
Bentley, A., B.A.

English

Gordon, D. J., M.A. Edin., Ph.D. Camb., F.R.Hist.S.
Dean, Fac. of Letters, Prof.

Lecturers

Young, Jean I., M.A., Ph.D. Camb. Sr. Lectr.
Kermode, J. F., M.A. Liv.
Wain, J. B., M.A. Oxon.
Meneghello, L., Dott. Lett. Padua (Italian Studies).
Cameron, W. J., M.A. N.Z. Asst. Lectr.

French

Lehmann, A. G., M.A., D.Phil. Oxon. Prof.

Lecturers

Paton, Dorothea A., M.A. Oxon. Sr. Lectr.
Bowen, R., D. de l'U. Stras., B.A.
Dale, Emily H., B.A., Ph.D.
Allix, Georgette.
Hunt, Mrs. Antoinette M., L. ès L. Lectrice.

Geography

Miller, A. A., D.Sc. Lond. Prof.

Lecturers

Frood, A. M., M.A. Liv.
Parry, M., B.Sc. Lond., M.Sc.
Lucas, G. R., B.A. Liv., M.A.
Wood, P. D., M.A. Wales.

Geology

Allen, P., M.A. Camb., B.Sc., Ph.D. Prof.

Lecturers

Walder, Phoebe S., B.Sc. Lond. and R'dg., F.G.S.
Hodson, F., B.Sc. Lond., Ph D., F.G.S.
Sibly, T. C. F., M.A. Camb., B.Sc., F.G.S.
Rose, G. N., B.Sc.

German

Pickering, F. P., B.A. Leeds, Ph.D. Bres. Prof.
Ievers, S. E., B.A. Dub. Lectr.
Reilly, Pamela M. A., M.A., Ph.D. N.U.I. Lectr.
1 Asst.

History, Modern

Aspinall, A., M.A., D.Litt. Manc , F.R.Hist.S. Prof.

Lecturers

Stenton, Doris M. (Lady Stenton), B.A. Lond., D.Litt., F.B.A., F.R.Hist.S. Sr. Lectr.
Dodwell, Barbara, M.A. Lond., F.R.Hist.S.
Slade, C. F., B.A.
Smith, E. A., M.A. Camb.

Horticulture

Stoughton, R. H., D.Sc. Lond.
Dean, Fac. of Agric. and Hortic., Prof.

Lecturers

Hole, Doris R., B.Sc. Lond.
Fraser, H.
Barnwell, R., B.Sc. (Hortic.).
Hoyle, Mrs. M. Delphine A., B.Sc. (Hortic.), Ph.D.
Vince, Daphne, B.Sc. (Hortic.) Lond., M.S. Calif., Ph.D.
Harris, Elspeth M., M.S. Corn., B.Sc. (Hortic.)
Webb, F. W.
Manager and Instr. at Hortic. Station.
1 Demr.

Mathematics

Rado, R., Ph.D. Camb., Dr.Phil. Berl. Prof.

Lecturers

White, P., M.A., Ph.D. Camb.
Ternouth, Elsie J., M.A. Glas.
Rees, Mary R., M.Sc. Liv., Ph.D. Belf.
Kreisel, G., B.A. Camb.
Dresel, L. A. G., M.A., Ph.D. Camb.
Robinson, W. J., B.Sc., Ph.D. Lond. Asst. Lectr.

Microbiology

Knight, B. C. J. G., D.Sc. Lond. Prof.

Lecturers

Richards, T., B.Sc., Ph.D. Lond. Sr. Lectr.
Shattock, P. M. Frances, B.Sc. Edin., Ph.D.
Rhodes, Muriel E., B.Sc. Lond.
Zatman, L. J., B.Sc., Ph.D. Lond.
Chislett, Margaret E., B.Sc. (Dairying)
Dorey, M. J., B.Sc., Ph.D. Lond. Asst. Lectr.

Music

Woodham, R., B.A., D.Mus. Oxon., F.R.C.O. Prof.
Naylor, B., B.Mus. Oxon. Lectr.
8 Teachers.

Philosophy

Hodges, H. A., M.A., D.Phil. Oxon. Prof.
Parkinson, G. H. R., M.A., D.Phil. Oxon. Lectr.
Coulthard, Jean, B A. Wales Lectr.

Physics, v. also N.I.R.D. (p. 496)

Ditchburn, R. W., B.Sc. Liv., M.A., Ph.D. Camb. Prof.

Lecturers

Rymer, T. B., M.A. Camb., Ph.D. Lond., F.I.P. Sr. Lectr.
Sixsmith, H., B.A. Dub.
Henisch, H. K., B.Sc., Ph.D.
Heavens, O. S., B.Sc. Lond., Ph.D.
Jutsum, P. J., B.Sc.
Mitchell, E. W. J., M.Sc. Sheff., Ph.D. Brist.
Robinson, K., B.Sc. Leeds, Ph.D. Leeds and Camb.

Research Physicists

Tomlin, D. H., B.Sc., Ph.D. Lond.
Banbury, P. C., M.A. Oxon., Ph.D.

Political Economy

Lecturers

Budden, E. S., M.A., D.Phil. Oxon. Indept. Lectr.
Carr, J. L., B.Sc. (Econ.) Lond.
Parkinson, Mrs. June T., B.A.

Psychology

Oldfield, R.C., M.A. Camb., F.B.Ps.S. Prof.

Lecturers

Vernon, Magdalen D., M.A., Sc.D. Camb., F.B.Ps.S. Sr. Lectr.
Stafford-Clark, D., M.D., B.S., D.P.M. Lond. (Psychopathol.)
Vowles, D. M., B.Sc. Brist., D.Phil. Oxon. (Physiol. Psychol.).
Bruce, D. J., B.A. Asst. Lectr.

Zoology

Graham, A., M.A., B.Sc. Edin., D.Sc. Lond. Prof.

Lecturers

Fretter, Vera, Ph.D., D.Sc. Lond.
Crichton, M. I., B.Sc. Edin.
Mann, K. H., B.Sc. Lond., Ph.D.
Williams, G., B.Sc.

Museum Curator

Stoneman, W. E., M.A. Camb.

Hon. Research Fellow

White, Kathleen M., M.Sc., Ph.D.

Veterinary Hygiene

Male, N. P., B.Sc. Edin. Lectr.

Veterinary Science

Barron, N. S., B.Sc. Lond., Ph.D. Vet. Surgeon.

National Institute for Research in Dairying (v. also p. 497)

Bacteriology

Mattick, A. T. R., B.Sc., Ph.D. Lond. Head.
Berridge, N. J., B.Sc., Ph.D. Birm.
Neave, F. K., B.S.A. Tor.
Sharpe, M. Elisabeth, B.Sc. Lond., Ph.D.
Clegg, L. F. L., B.S.A. Tor., Ph.D. Lond , D.I.C.
Wheater, Dorothy M., B.Sc. Leeds, Ph.D.
Briggs, C. A. E., Ph.D.
Garvie, Ellen I., B.Sc., Ph.D. Lond.
Mabbitt, L. A., B.Sc. Lond., Ph.D. Edin.
1 Hon. Res. Fellow, 6 Assts.

Chemistry

Rowland, S. J., B.Sc. (Agric.), Ph.D., F.R.I.C. Head.
Aschaffenburg, R., Ph.D. Cologne.
Marsden, A. W., M.Sc. Lond., D.I.C., F.R.I.C. Hon. Res Fellow.
5 Assts.

Dairy

Chapman, Helen R. Head.
2 Assts.

Dairy Engineering

Hall, H. S., B.Sc. (Agric.) Head.
Thiel, C. C., B.Sc. (Agric.) W.Aust., Ph D.
Burton, H., B.Eng. Sheff , M.Sc.
Suffolk, S. F., B.Sc. Lond.
Hutchinson, J., B.Sc. Manc.
Budd, R. T., B.Sc. Birm.
4 Assts.

Dairy Husbandry

Foot, A. S., M.Sc. Head.
Braude, R., Ph.D.
Dodd, F. H., B.Sc. (Agric.), Ph.D.
Mitchell, K. G., B.Sc. (Agric.), Ph.D.
Line, C., B.Sc. (Agric.).
Murdoch, J. C., B.Sc. Glas., Ph.D. Edin.
7 Assts.

Feeding and Metabolism

Bartlett, S., M.C., B.Sc. (Dairying), Ph.D. Head.
Balch, C. C., B.Sc. (Agric.), Ph.D.
Pope, G. S., D.Phil. Oxon., B.Sc.
Roy, J. H. B., M.A. Camb.
6 Assts.

Isotopes

Glascock, R. F., B.Sc., Ph.D. Lond. Head.
Duncombe, W. G., B.Sc.
1 Asst.

Nutrition

Kon, S. K., Ph.D. Warsaw, D.Sc., F.R.I.C. Head.
Henry, Kathleen M., B.Sc. Lond. and N.U.I., Ph.D. Aberd., F.R.C.Sc.I.
Thompson, S. Y., B.Sc. (Agric.), Ph.D.
Porter, J. W. G., M.A., Ph.D. Camb.
Goodwin, Mrs. Marie E., Ph.D.
Kon, Mrs. Phyllis M., Ph.D. Hon. Res. Asst.
Holdsworth, E. S., Ph D. Leeds, F.R I.C.
Harrison, G. F.
Ford, J. E., B.Sc. Leeds, Ph.D.
Gregory, Margaret E., M Sc. Manc.
Fisher, L. R., B.Sc., Ph.D. Lond.
1 Hon. Res. Fellow, 3 Assts.

Physics

Blair, G. W. S., M.A. Oxon., D.Sc., Ph.D. Lond., F.R.I.C., F.I.P. Head.
Glover, F. A., B.Sc. Lond.
Prentice, J. H., B.Sc. Lond.
Wearmouth, W. G., B.Sc., Ph.D. Durh., F.I.P.
4 Assts.

Physiology

Folley, S. J., D.Sc., Ph.D. Manc., F.R.S. Head.

Cowie, A. T., B.Sc. Edin., Ph.D.
Terner, C., B.Sc. Lond., Ph.D. Sheff.
McNaught, Mary L., B.Sc., Ph.D. Glas.
Benson, G. K., B.Sc. Liv.
1 Hon. Res. Fellow, 2 Assts.

Psychology
Sheppard, D., B.A., Ph.D. Head.

Statistics
Cox, C. P., M.A. Oxon. Head.
Cox, Mrs. Pamela M., M.A. Oxon.
1 Asst.

University Extension
8 Tutors.

ADMINISTRATIVE AND OTHER STAFF

WARDENS OF HALLS OF RESIDENCE: J. S. L. Waldie, B.Sc. Edin. (Wantage Hall); T. R. M. Creighton, M.A. Camb. (St. Patrick's Hall); J. W. Y. Higgs, M.A. Camb. (Whiteknights Park House); Ursula F. Martindale, M.A. Camb. (St. Andrew's Hall); M. Margaret Richardson, B.Sc., Ph.D. Durh. (Wessex Hall); Moya K. Cahill, LL.B. Belf. (St. George's Hall); Joan Reffell, B.A. (Mansfield Hall); E. S. Budden, M.A., D.Phil. Oxon., Adela G. Erith, B.Sc., Ph.D. Lond. (St. David's Hall).

ASSISTANT REGISTRAR. J. F. Johnson, B.A.

MAINTENANCE OFFICER AND SURVEYOR. A. C. Wilkinson, F.R.I.C.S.

ACCOUNTANT. H. Dalston.

KEEPER, MUSEUM OF ENGLISH RURAL LIFE. J. W. Y. Higgs, M.A. Camb.

SECRETARY, FAC. OF AGRIC. AND HORTIC. J. W. Bee, M.A. Camb.

CONSTITUENT INSTITUTION

NATIONAL INSTITUTE FOR RESEARCH IN DAIRYING, Shinfield, nr. Reading (*Telephone*: Reading 83103), established by the Ministry of Agric. and Fisheries in 1912, forms part of the Univ. (Director—H. D. Kay, C.B.E., Ph.D. Camb., D.Sc. Manc., F.R.S.). It is governed by a Board consisting of representatives of the Ministries of Agric. and Health, R.A.S. of England, British Dairy Farmers' Assocn., Nat. Farmers' Union, etc. It has eight Depts.: Chemistry, Bacteriology, Feeding and Metabolism, Dairy Husbandry, Nutrition, Physics, Physiology, Dairy Engineering; and four Sections: Statistics, Dairy, Isotopes and Psychology.

GENERAL INFORMATION

Based upon the local Oxford Univ. Extension Centre and the local Schools of Sci. and Art, and deriving its first impetus largely from Christ Church, Oxford, a University Extension College was opened at Reading in 1892. In 1902 it established a claim to a State grant as a Univ. Coll. In 1904 and 1905 it received endowments of land and money from the Palmer family. Wantage Hall, endowed by Lady Wantage, was built in 1908 as a residence for men students, the declared policy of the Council being to make residence in a Hall the rule and not the exception. An Endowment Fund of £200,000 was subscribed in 1911 by the benefactors already mentioned. The Univ. was established by Royal Charter on March 17, 1926. Among various developments two call for special notice. One is the establishment, in connexion with the Coll. and Univ., of the National Institute for Research in Dairying. The other is the bldg. and endowment of the Library, the costs of which were defrayed by Mr. Alfred Palmer and members of his family; the bldg.

constitutes a memorial to the late Rt. Hon. George William Palmer, one of the chief benefactors of the Coll.

The Univ. has steadily grown. Because of the inadequacy of its present site, it acquired in 1947 the freehold of the Whiteknights Park Estate of nearly 300 acres of parkland (approx. one mile from centre of Reading), to which it is hoped ultimately to transfer the whole Univ.

CONSTITUTION. The supreme governing body of the Univ. is the Court, presided over by the Chancellor. The executive body is the Council, which is composed of academic and lay members, and elects its own Chairman. The Senate, which consists of all Profs. of the Univ. and three elected members of the Academic Staff, regulates academic matters; the Vice-Chancellor is Chairman. Facs. are controlled by their own Bds., and Schools by their own Cttees., subject to the authority of Senate and Council.

LIBRARY, 109,260 vols., including Overstone collection (7500 vols.) of books on Polit. Econ. (pubd. before 1850), English and French thought during 18th century, and topography (especially Northamptonshire); 25,000 pamphlets. 550 periodicals are received. MUSEUMS: Zool., Hist., Archæol., and English Rural Life. LABORATORIES: Bot., Chem., Geol., Mech., Microbiol., Physics, Psychol., Zool. Fine Art Studios. School of Music. Agricultural Machinery Hall. Three farms (400, 200 and 110 acres) and Horticultural Station (80 acres).

FACULTIES AND DEANS: *Agric. and Hortic.*, Prof. R. H. Stoughton (Hortic.); *Letters*, Prof. D. J. Gordon (Engl.); *Science*, ...

SCHOOLS: Art, Music.

ADMISSION. *See* Appendix I.

DEGREES. B.A., M.A., D.Litt.; B.Sc., M.Sc., D.Sc.; Ph.D. The B.Sc., M.Sc. and D.Sc. are obtainable in the Faculty of Agriculture and Horticulture as well as in the Faculty of Science. The Senate may decline to admit to a degree course a person whose place of residence during term is at too great a distance from Reading.

An oral examination forms part of the Final examn. for a B.A. degree with honours, except in Mathematics, and, at the discretion of the Examiners, may form part of the First University Examn. in Arts or of the Final Examn. for the B.A. degree, or of the Intermediate or Final Examn. for the B.Sc. In the Final Examn. for the B.Sc. in the Faculty of Science, candidates are examined upon either a general course of study (normally 3 subjects) or a special course; honours can be obtained in either. The Final Examn. (Special) is ordinarily taken after passing the Final Examn. (General). The course for the degree with honours extends over 4 yrs. in the Faculty of Agriculture and Horticulture and, in certain cases, in Arts and in Science.

UNIVERSITY DIPLOMA COURSES are as follows: 3 yrs.—Fine Art, Landscape Architecture; 1 yr.—Adv. Landscape Architecture; and 1 yr. (postgrad.)—Agriculture, Agricultural Econ., Hortic., Agric. Chem., Education, Social Study, Technical Physics.

A limited number of students is accepted each year in preparation for the National Dipl. in Dairying (Technol.) (2-yr. course).

TUTORIAL SUPERVISION. Every student following one of the organized day courses or a specially arranged day course involving frequent attendance at the Univ. for at least 2 terms is placed under the supervision of a tutor.

A RESEARCH BOARD promotes research and original work in the Univ. (apart from the National Institute for Research in Dairying). It administers

funds entrusted to it for the purpose, and issues an annual record and report.

TERMS. 3, each of 10 weeks, the first beginning on the first Friday in Oct. Vacations of 4 weeks at Christmas and 5 weeks at Easter.

RESIDENCE. All students following full courses of day study, unless residing with parents or guardians, are ordinarily required to reside in a University Hall of Residence. (For Wardens *see* " Administrative and other Staff," p. 497 ; for Fees *see* " Expenses," *below*.) For Men : Wantage Hall, Upper Redlands Rd., 123 students (*Telephone* : R'dg. 81198) ; St. Patrick's Hall, Northcourt Ave., 137 students (*Telephone* : R'dg. 81583) ; Whiteknights Park House, 23 students (*Telephone* : R'dg. 81782). For Women : St. Andrew's Hall, Redlands Rd., 131 students (*Telephone* : R'dg. 3069) ; Wessex Hall, Redlands Rd., 85 students (*Telephone* : R'dg. 2265) ; St. George's Hall, Elmhurst Rd., 77 students (*Telephone* : R'dg. 81528) ; Mansfield Hall, Kendrick Rd., 70 students (*Telephone* : R'dg. 931). Full-time day students living in recognized houses or at home in or near Reading, are associated in St. David's Hall, a non-residential club.

POSTGRADUATE AWARDS open to graduates of other Univs. : *see* Appendix II.

FEES. For Tuition : Ph.D. course—£10 or £15 p.a. ; M.A. course—£10 p.a. ; M.Sc. course—£15 p.a. ; Bachelor's Degree course—Arts, £30 p.a. ; Sc., £35 p.a. ; Diploma course—Landscape Archit., £30 ; Adv. Landscape Archit., £35 ; General Bact. (postgrad.), £35 ; Agric. Chem. (postgrad.), £35 ; Agric. (postgrad.), £35 ; Agric. Econ. (postgrad.), £35 ; Hortic. (postgrad.), £35 ; Tech. Physics (postgrad.), £35 ; Fine Art, £30 p.a. ; Social Study (postgrad.), £30. Tuition fees are in most cases reduced by 25 per cent. to students from neighbouring counties, under certain conditions.

EXPENSES. Total average necessary yearly expenses (excluding travelling, clothing and personal laundry) about £195 p.a., namely : (i) Registration, matriculation, cap and gown, tuition, examination, and graduation, average £45 p.a. for a degree student. (ii) Maintenance, including board and lodging in Halls or lodgings and sanatorium fee, maximum for 30 weeks about £130 for either a man or a woman student. (iii) Personal, including subscription to Union (£5 : 5s. p.a.), and cost of books and stationery, widely variable, say, £15 p.a.

APPOINTMENTS. The Registrar.

STUDENT ORGANIZATIONS. Students' Union and Representative Council. An Old Students' Association meets annually at the Univ. at Whitsuntide.

STUDENT ATHLETIC FACILITIES. Gymnasium ; Athletics Grounds ; Squash Courts ; Rowing facilities.

UNIVERSITY EXTENSION, ETC. Evening classes are held in Fine Art. Tutorial classes are held in connexion with the W.E.A.

PUBLICATIONS. *Calendar* (Sept.), 5s. ; *University Gazette* ; *General Prospectus* (illustrated) ; *Departmental Prospectuses* (Degree and Diploma courses, Education, Agriculture, etc., incl. Landscape Architecture, Fine Art, Music ; Scholarships and Studentships). *Making a University : an Account of the University Movement at Reading*, by W. M. Childs (Dent, 1933).

THE YEAR 1952–53

BENEFACTIONS. Late Mrs. A. C. Amschel, £1000 ; late G. S. Lewis, £2300 ; Executors of late G. Robertson, £2500 for Travelling Scholp. in Fac. of Letters.

NEW POST. Professorship of German established.

PRINCIPAL CHANGES IN REGULATIONS. Hons. to be obtainable in Final Examn. (General) for B.A.; introduction (from 1954) of compulsory 1st yr. examn. for all students in Fac. of Agric. and Hortic.

ADULT EDUCATION. In conjunction with W.E.A., 6 Tutorial and 2 Sessional Classes were organized.

RESIGNATIONS. Mrs. Dorothy M. Wilson (Microbiol.); Claudette R. Caldicott (Dairying); Barbara Creighton (Museum of Engl. Rural Life); Helen S. Kermode (Warden, Mansfield Hall); J. A. Mollett (Agric. Econ.); J. Palgrave (Agric.); I. G. Reid (Agric. Econ.); Alison Ross (Soc. Sci.); J. B. Trapp (Engl.); J. D. Whitear (Agric.).

DEATHS. Albert Mansbridge (former member of Court); Sir Frederick W. Keeble (Prof., Bot., 1907–15); J. L. Etty (Warden, Wantage Hall, 1921–27); Dorothy M. Smith (Warden, St. Andrew's Hall, 1931–46); A. W. Seaby (Prof., Fine Art, 1920–33); F. A. Simonds (member of Court).

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	569	157
Women	505	127
Total	1074	284

Postgraduate students, 262.

New admissions, 323.

Students from other countries, 37. (Countries from which largest numbers came: U.S.A., 5; British E. Africa, 4; Cyprus, 3; Jamaica, 3).

DEGREES. *Agric. and Hortic.*: B.Sc. Pass—Agric., 46, Dairying, 15, Hortic., 18; B.Sc. Hons., 6; M.Sc., 5; Ph.D., 8. *Letters*: B.A., 83; M.A., 5; Ph.D., 2; *Sci.*: B.Sc., 57; M.Sc., 3; Ph.D., 11.

DIPLOMAS. Fine Art, 7; Landscape Archit., 2; *Postgrad.*: Educn., 72; Soc. Study, 2; Gen. Bact., 5; Agric., 8.

[*Information compiled as at* 15/6/54 ;
Staff list revised on 15/10/54.]

UNIVERSITY OF SHEFFIELD*

Founded 1905

Postal Address : Sheffield, 10, England.
Telephone : Sheffield 27451.

VISITOR—H.M. THE QUEEN.

CHANCELLOR—The Rt. Hon. THE EARL OF HALIFAX, K.G., O.M., G.C.S.I., G.C.I.E., D.C.L. Oxon., LL.D.

PRO-CHANCELLORS—Sir FRANCIS STEPHENSON, O.B.E., T.D., D.L. ; GERARD YOUNG.

VICE-CHANCELLOR—J. M. WHITTAKER, M.A. Camb., D.Sc. Edin., F.R.S.

PRO-VICE-CHANCELLOR—Professor A. R. CLAPHAM, M.A., Ph.D. Camb.

TREASURER—Lt.-Col. W. H. OLIVIER, M.A. Oxon., F.C.A.

REGISTRAR—A. W. CHAPMAN, D.Sc. Lond., F.R.I.C.

BURSAR—R. M. URQUHART, M.A. St. And.

LIBRARIAN—S. A. PEYTON, Ph.D. R'dg.

TEACHING STAFF

Accountancy

Smith, C. A., LL.M., F.C.A. (in charge of Dept.) Sr. Lectr.
Downing, F., F.C.A. Pt.-time Lectr.

Anatomy

Davies, F., D.Sc., M.D., B.S. Lond., F.R.C.S. A. Jackson Prof.
Martin, B. F., B.Sc., M.B., B.Ch. Wales Sr. Lectr.

Lecturers

King, T. S., M.B., Ch.B. Liv.
Johnson, F. R., M.D. Belf.
McMinn, R. M. H., M.B., Ch.B. Glas.

Demonstrators

Sneath, R. S.
Magri, J., M.D. Malta
Scholtz, J. E. R., M.B., Ch.B. Pret.
Dowse, J. L. A., M.B., Ch.B. Wales
Cooper, Gertrude M., B.Sc. Lond. Pt.-time Demr.

Pt.-time Lecturers

Jones, C. D. P., M.B.E., M.B., B.S. Lond., F.R.C.S. (Appl. A.).
Wilkie, J., M.Sc., M.B., Ch.B., F.F.R. (Radiological A.)

Hon. Demr.

O'Gorman, F. J. P., M.B., Ch.B. Glas., F.R.C.S.

Architecture

Welsh, S., M.A., B.Arch. Liv., F.R.I.B.A. Prof.
Drought, A. B., B.Arch. Liv., M.Arch. Mass. Sr. Lectr.

* Member of the Association of Universities of the British Commonwealth.

Lecturers
Powis, G. J., M.A.
Daykin, A., B.A.
Wragg, R. B., M.A.
Wilson, J.
Johnson, H. R., B.A., Dip. Arch.
Jenkins, J. M., B.A., Dip. Arch. Cardiff
Jackson, V., B.Arch. Liv.
Heaf, F. B., Dip.Arch. Liv.
Leighton, H. B., M.A., F.R.I.B.A. (Building Sci. Subjects).

Bacteriology, v. Medicine, *infra*

Biblical History and Literature
Bruce, F. F., M.A. Aberd. and Camb.
Sr. Lectr. in charge of Dept.
Guilding, Aileen E., M.A. Oxon. Lectr.

Biochemistry, v. Medicine, *infra*

Biology, v. Botany and Zool.

Botany
Clapham, A. R., M.A., Ph.D. Camb. Prof.
Boswell, J. G., D.Sc. Lond. (Plant Physiol.) Reader.
Webster, J., B.Sc., Ph.D. Lond. Lectr.
Pigott, C. D., B.A., Ph.D. Camb. Lectr.
Beardmore, J. A., B.Sc. Res. Demr.

Chemistry
Haworth, R. D., B.Sc. Oxon., D.Sc., Ph.D. Manc., F.R.S., F.R.I.C. Firth Prof.
Stevens, T. S., B.Sc. Glas., D.Phil. Oxon. (Organic C.) Reader.
Lawrence, A. S. C., Sc.D., Ph.D. Camb., F.R.I.C. (Colloid C.) Reader.
Smith, T. B., B.Sc., Ph.D. Lond. (Analytical C.) Sr. Lectr.
Lamberton, A. H., B.Sc., Ph.D. Glas. Sr. Lectr.

Lecturers
Peacock, D. H., M.A. Camb., D.Sc. Lond., F.R.I.C.
McKenna, J., M.Sc., Ph.D. N.U.I.
Tyrrell, H. J. V., B.A., B.Sc. Oxon.
Wyatt, P. A. H., B.Sc., Ph.D. Wales.
Mills, O. S., B.Sc. Liv.
Wilkins, R. G., B.Sc., Ph.D. Lond.
Beattie, I. R., B.Sc., Ph.D. Lond.
Pauson, P. L., B.Sc. Glas., Ph.D.
Leisten, J. H. A., B.Sc., Ph.D. Lond. Asst. Lectr.
Lewis, J., B.Sc. Lond., Ph.D. Nott. Asst. Lectr.

Child Health, v. Medicine, *infra*

Classics
Tate, J., M.A., Litt.D. Dub. (Greek) Prof.
Laughton, E., M.A. Oxon. (Latin) Firth Prof.
Hulton, A. O., M.A. Oxon. Lectr.
Dorey, T. A., M.A. Oxon. Lectr.
West, D. A., M.A. Aberd., B.A. Camb. Asst. Lectr.
Batley, Lilian, M.A. Pt.-time Asst.

Dental Surgery, v. *infra*

Economics
Jones, G. P., M.A., Litt.D. Liv. Dean, Fac. of Arts, Prof.
Gilbert, J. C., B.Com. Lond. Sr. Lectr.

Lecturers
Thornhill, W., M.Sc. (Econ.) Lond. (Pub. Econ. and Pub. Admin.).
Davies, J. H., M.A. Wales.
Alexander, K. J. W., B.Sc. (Econ.) Lond.
Townsend, H., B.Sc. (Econ.) Lond.
Pollard, S., B.Sc. (Econ.), Ph.D. Lond. (Econ. Hist.) Asst. Lectr.
Adams, J. W. L., M.A. Oxon. Pt.-time Lectr.

Douglas Knoop Res. Fellows
Spraos, J., M.A. Edin. (Econ.)
Forster, G. C. F., B.A. Leeds (Econ. Hist.)

Education
Armytage, W. H. G., M.A. Camb. Prof.
Lecturers
Halloran, J. H., M.A. Leeds.
Williams, Eirian M., B.Sc. Wales.
Brown, Nora M., M.A. Camb.
Dunkley, Ruth E. L., B.A. Camb.
Richardson, J. Elizabeth, M.A. Lond.
Edwards, R., B.Sc. Lond., M.Ed. Manc.
Jay, L. J., M.A. Birm.
Walker, Bessie, M.A. Manc.

Engineering, v. *infra*

English Language and Literature
Empson, W., M.A. Camb. (Engl. Lit.) Prof.
Wilson, R. M., M.A. Leeds (Engl. Lang.) Sr. Lectr. in charge of Lang. Dept.
Hamer, D., M.C., M.A. Liv., F.S.A. (Engl. Lit.) Sr. Lectr.
Lecturers
Murray, W. A., M.A. Glas. (Engl. Lit.).
Klingopulos, G. D., M.A., Camb. (Engl. Lit.).
Berry, F., B.A. Lond. (Engl. Lit.).
Scott, F. S., M.A., M.Litt. Camb. (Engl. Lang.).
Hargreaves, H., M.A. Liv. (Engl. Lang.).
Roberts, M. A. M., M.A. Camb. Asst. Lectr.
Mackerness, E. D., M.A. Camb., Ph.D. Manc. Asst. Lectr.

French
Lawton, H. W., M.A. Wales, D. de l'U. Paris Prof.
Lecturers
Lyons, W. H., B.A., Ph.D. Dub.
Shaw, Marjorie, B.A. Lond., D. de l'U. Paris
Blaess, Madeleine, B.A. Leeds, L. ès L. Paris
Francis, K. H., B.A., Ph.D. Lond.
Collier, S. J., B.A., Ph.D. Leeds
Short, J. P., B.A. Dub.
Plumèyne, J., L. ès L. Paris Lecteur.
Duthoit, Micheline Lectrice.
Vouillemy, Alberte, L. ès L. Paris Lectrice.
Urbain, Mme M.-L., L. ès L. Caen Lectrice.

Fuel Technology, v. Engineering, *infra*

Genetics
Thoday, J. M., B.Sc. Wales, Ph.D. Camb. Sr. Lectr. in Charge.
Pateman, J. A., B.Sc. Lond.

Geography
Linton, D. L., M.Sc. Lond. Dean, Fac. of Pure Sci., Prof.
Garnett, Alice, B.A., Ph.D. Lond. Sr. Lectr.
Maxwell, I. S., M.A. Camb. Lectr.
Hunt, A. J., B.A. Lond. Lectr.
Savigear, R. A. G., B.A. Lond. Lectr.
Sibbons, J. L. H., B.A., B.Sc. Oxon. Asst. Lectr.
Research Demonstrators
Johnson, R. H., B.A. R'dg.
Straw, A., B.A. Nott.

Geology
Moore, L. R., D.Sc., Ph.D. Brist., F.G.S. Sorby Prof.
Wilcockson, W. H., M.A. Camb., F.G.S. Reader.
Lecturers
Sylvester-Bradley, P. C., B.Sc. R'dg., F.G.S.
Wilkinson, P., B.Sc. Lond., F.G.S.

Downie, C., B.Sc. Glas.
Humphries, D. W., B.Sc., Ph.D. Lond.
Currall, A. E., B.A. Oxon., F.G.S. Asst. Lectr.

German

Mainland, W. F., M.A. Edin. Prof.
Yuill, W. E., M.A. Aberd. and Lond. Lectr.
Northcott, K. J., M.A. Lond. Lectr.
Kolisko, Gertrud, Dr.Phil. Vienna Asst.
Bird, G. C., B.A. Lond. Tutor.

Glass Technology, v. Engineering *infra*

History

Potter, G. R., M.A., Ph.D. Camb., F.S.A. (Mod. H.) Prof.
Hopper, R. J., B.A. Wales, Ph.D. Camb., F.S.A. (Anc. H.) Sr. Lectr. in charge of Anc. Hist. Dept.
Lewis, N. B., M.A., Ph.D. Manc. (Mediæval H.) Sr. Lectr.
Tyler, J. E., M.A. Oxon., M.A. (Mod. H.) Sr. Lectr.
Haley, K. H. D., M.A., B.Litt. Oxon. Lectr.
Carr, W., B.A. Birm. Lectr.
Clarke, Dorothy P., B.A. Belf., Ph.D. Lond. Lectr.
Bone, E. Mary, B.A. Oxon. Pt.-time Asst. Lectr.
Copeland, T. W., Ph.D. Chic. Hon. Visiting Prof.

Law

Browne, D., M.A. Oxon. Dean and Prof.
Metcalfe, O. K., M.A., LL.M. (Pub. and Common L.) Ind. Sr. Lectr.
Brown, L. N., M.A., LL.B. Camb., Dr. en droit Lyons Lectr.
Goode, M. A., LL.B. Tutor.

Mathematics

Northcott, D. G., M.A., Ph.D. Camb. Town Trust Prof.
Ruston, A. F., M.A., Ph.D. Camb. Sr. Lectr.
Cox, R. R. S., M.A. Camb., F.R.A.S. (Appl. M.), Curator of Observatory, Sr. Lectr.
Mirsky, L., M.Sc. Lond., Ph.D. (Pure M.) Lectr.
Burkill, H., M.A. Camb. (Pure M.) Lectr.
Davies, D. R., M.Sc., Ph.D. Lond. (Appl. M.) Lectr.
Curtis, A. R., M.A. Camb. (Appl. M.) Lectr.
Jowett, G. H., B.A. Lond., Ph.D. (Statistics) Lectr.
Deas, H. D., M.Sc., Ph.D. Belf. (Appl. M.) Asst. Lectr.
Abson, H., M.A. Camb., M.Sc., B.Com. Lond. Tutor.
Farahat, K. H., B.Sc., Ph.D. Wales Res. Demr.
Davies, Hilda M., B.Sc. Lond. Res. Asst.

Medicine, v. *infra*

Metallurgy

Quarrell, A. G., D.Sc., Ph.D. Lond., F.I.P., F.I.M. (Phys. M.) Dean and Prof.
White, J., D.Sc., Ph.D. Glas. (Ceramics) Reader.
Maddocks, W. R., B.Sc. Wales, Ph.D. Glas. (Production M.) Sr. Lectr.
Orme, F., T.D., M.Met., F.I.M. (Non-Ferrous M.) Sr. Lectr.
Honeycombe, R. W. K., M.Sc. Melb., Ph.D. Camb. (Phys. M.) Sr. Lectr.
MacDougall, A. J., M.Met., F.I.M. Lectr.
Protheroe, H. T., B.Sc. Wales, Ph.D. Lectr.
Havenhand, D., B.Sc. Lectr.
de Belin, G. A., M.Met. Lectr.
Woodhead, J. H., B.Met. Lectr.
Greenough, G. B., M.A., Ph.D. Camb. Lectr.

Wakeman, D. W., B.Sc., Ph.D. Birm. Lectr.
Hume-Rothery, W., M.A., D.Sc. Oxon., F.R.S. Hon. Lectr.
Bilby, B. A., B.A. Camb., Ph.D. Birm., Sorbey Res. Fellow of Royal Society (Physical M.) Hon. Lectr.
Entwisle, A. R., M.A., Ph.D. Camb. United Steels Res. Fellow.
Ward, R. E., B.A. Camb. J. H. Andrew Res. Fellow.

Microbiology, v. Medicine, *infra*

Mining, v. Engineering, *infra*

Music

Deas, J S., M.A., Mus.Bac. Edin., F.T.C.L. James Rossiter Hoyle Prof.
Bullivant, R. F. T., M.A., B.Mus. Oxon. Lectr.
Linstead, G. F., D.Mus. Durh., F.R.C.O., F.T.C.L Pt.-time Asst. Lectr

Philosophy

Cousin, D. R., B.A. Oxon. Prof.
Gilbert, A., M.Sc. Lond. (Psychol.) Lectr.
Glasgow, W. D., B.A. Dub. Lectr.
Adams, J. W. L., M.A. Oxon. Pt.-time Lectr.

Physics

Sucksmith, W., D.Sc. Leeds, F.R.S., F.I.P. Prof.

Senior Lecturers

Lawson, R. W., D.Sc. Durh., F.I.P.
Conn, G. K. T., M.A. Aberd., B.A., Ph.D. Camb.
Street, R., M.Sc., Ph.D. Lond.

Lecturers

Yates, E. L., M.Sc., Ph.D. Wales and Camb., F.I.P.
Beattie, J. R., B.Sc. St. And.
Fiddes, J., M.A., B.Sc. Edin.
Hall, E. O., M.Sc. N.Z., Ph.D. Camb.
March, N. H., B.Sc., Ph.D. Lond.
Crangle, J., B.Sc., Ph.D.
Hollis, R. C. G , B.Sc. Lond. Asst. Lectr.
Wooller, D., B.Sc. Res. Demr.

Physiology

Smyth, D. H., M.D., M.Sc. Belf., Ph.D. Lond. Prof.
Gibson, Q. H., M.D., Ph.D., D.Sc. Belf. Sr. Lectr.
Winter, L. B., M.A., M.D. Camb. Lectr.
Wiseman, G., M.B., B.S. Lond., Ph.D. Lectr.
Crampton, R. F., B.Sc., M.B., Ch.B. Birm.
Bacon, Mrs. Enid E., B.Sc. Lond. Asst.
Newey, H., B.Sc. Asst.

Social Studies, v. *infra*

Spanish

Pierce, F. W., M.A. Belf and Dub. Hughes Prof.
Brooks, J. L., B.A. Dub. Lectr.
Ribbans, G. W., M.A. Lond. Asst. Lectr
Moragas, F., Dr. en Odont. Madrid Asst.

Zoology

Eastham, L. E. S., M.A. Camb., M.Sc. Leeds Prof. and Hon. Curator of Museum.
Francis, E. T. B , B.Sc. Lond., Ph.D. R'dg. (Vertebrate) Reader.
Segrove, F., B.Sc., Ph.D. Lectr.
Ebling, F. J. G., M.Sc., Ph.D. Brist. Lectr.
Jones, J. D., B.Sc. Lond. Lectr.
Highnam, K. C., B.Sc. Manc. Res. Demr.
Barker, J. F., B.Sc. Res. Demr.
Lusis, O., Mag.Rer.Nat. Riga Asst. Museum Curator.

Dental Surgery

Roberts, G. L., M.B., Ch.B., B.D.S. Liv., F.D.S.R.C.S.
Prof., Dir. of Dental Studies.
Hampson, E. L., B.D.S. Liv., F.D.S.R.C.S. (Operative Dent. Surg.) Sr. Lectr.
Clarke, J., L.D.S. (Operative Dent. Surg.) Lectr.
Hull, J., D.D.S. Penn. (Dent. Surg.) Pt.-time Asst. Lectr.
Rastall, R., L.D.S. (Dent. Surg.) Pt.-time Hon. Demr.
Rayner, G. H., L.D.S., F.D.S.R.C.S. (Maxillo-facial Surg.) Pt.-time Hon. Lectr.
Sprinz, R., F.D.S.R.C.S. (Prev.D.) Lectr.

Anæsthetics

Pleasance, R. E., M.D., F.F.A.R.C.S. Pt.-time Lectr.

Dental Mechanics and Prosthetics

Turrell, A. J. W., L.D.S. Leeds Sr. Lectr.
Smith, J. P., B.Ch.D., L.D.S. Leeds Lectr.
Schofield, A. E. Instr.

Dental Metallurgy

Orme, F., T.D., M.Met. Lectr.

Medicine for Dental Students

Whitaker, W., M.D., B.Sc. Leeds Pt.-time Lectr.

Oral Anatomy and Histology

Heald, H. R., L.D.S. Pt.-time Lectr.
Sprinz, R., F.D.S.R.C.S. Pt.-time Lectr.

Oral Pathology

Hodson, J. J., B.D.S., Ph.D. Sr. Lectr.
Allan, J. H., L.D.S. Glas. Demr. & Res. Asst.

Orthodontics

Gardiner, J. H., B.D.S. Manc. Lectr.
Ellis, D. S., B.A., B.Dent. Sc. Dub. Asst. Lectr. and Demr.

Surgery for Dental Students

King, P. A., M.B., Ch.B., F.R.C.S. Pt.-time Lectr.
8 other Clin. Dental Teachers.

Engineering

v. also Maths., *supra*

Applied Mechanics

Tuplin, W. A., D.Sc. Manc. Dean, Fac. of Engin., Prof.

Lecturers

Jones, R. P. N., M.A., Ph.D. Camb.
Meyer, M. L., B.Sc. (Eng.) Lond.
Freeman, P., B.Eng.

Engineering

Swift, H. W., M.A. Camb., D.Sc. (Eng.) Lond. Prof.
Dudding, B. P., M.B.E., Ph.D., F.I.P. (Industr. Statistics) Hon. Lectr.
Hill, R., M.A., Ph.D. Camb. (Plasticity) Hon. Lectr.

Res. Assts. to Prof.

Neal, P. B. N., B.Eng.
Wallace, J. F., B.Eng.

Engineering, Civil

Boulton, N. S., M.Sc. Birm. (in charge of Dept.) Sr. Lectr.

Lecturers

Jenkins, R. B. M., M.A. Camb.
Eastwood, W., Ph.D. Aberd., B.Eng.
Osgerby, C., B.Sc. (Eng.) Lond.
Sarginson, E. J., M.Eng. Liv.

Engineering, Electrical

Butler, O. I., M.Sc. Wales (in charge of Dept.) Sr. Lectr.

Lecturers
Harrison, D., M.Eng. Liv., Ph.D.
Benson, F. A., M.Eng. Liv., Ph.D.
Barton, T. H., B.Eng., Ph.D.
Gladwin, A. S., B.Sc. Glas., Ph.D. Lond. Lectr.

Engineering, Mechanical
Turner, F. C., M.Eng. (in charge of Dept.) Sr. Lectr.

Lecturers
Parker, C. F., B.Sc. Lond.
Baildon, E., M.Sc. (Eng.) Lond.
Sutherland, K. H., B.Sc. Durh.
Briggs, G. C., B.Eng.
Johnson, W., B.Sc.Tech. Manc., B.Sc. Lond.
Bernat, E. P., Dipl.Eng. Lwow
Neal, P. B. N., B.Eng.
Woo, D. M., B.Sc. Shanghai, M.Sc. Mich.

Fuel Technology
Thring, M. W., M.A. Camb., F.I.F., F.I.P. Prof.
Kirkby, W. A., M.Sc., Ph.D. Manc., F.R.I.C. Lectr.
Hulse, C., B.Sc. Birm., Ph.D. Lectr.
Beet, A. E., B.Met., Ph.D. Lectr.
Smith, D., B.Sc., Ph.D. Lectr.
Price, P. H., B.Sc., Ph.D. Lectr.
Essenhigh, R. H., B.A Camb. Res. Fellow.
Sidall, R. G., M.Sc. Res. Asst. to Prof.

Glass Technology
Moore, H., D.Sc. Lond., F.I.P. Prof.
Parkin, M., M.Sc. Lectr. and Sr. Res. Asst.
Dimbleby, Violet, M.Sc. Sr. Res. Asst.

Research Assts. and Lecturers
Hill, D. K., B.Sc. Manc.
Taylor, H. E., M.A. Oxon.
Tress, H. J., B.Sc., Ph.D. Lond.
Nicolls, A. W., B.A., B.Sc. Oxon.

Research Asst. and Demr.
West-Oram, F. G., M.Sc.Tech.
Baynton, P. L., B.Sc. Lond. Temp. Res. Asst.

Mining
Atkinson, F. S., M.Eng. Prof.
Roberts, A., B.Sc. Lond., M.Sc. Durh , Ph.D. Nott. (Postgrad. Sch.) Sr. Lectr.
Hurst, G., B.Eng. Lectr.
Williams, F. T., M.Sc. Wales (Postgrad. Sch.) Lectr.
Pursall, B. R., B.Sc. Wales Lectr.
Metcalf, J. R., B.Sc.Eng. Lond. Lectr.
Bunt, H. J., B.Sc. Manc. (Postgrad. Sch.) Demr.

Hon. Lecturers
Evans, W. H., M.Sc., Ph.D. Lond.
Grimshaw, H. C., O.B.E., M.Sc. Manc., Ph.D.
Guenault, E. M., M.Sc., Ph.D.
Tideswell, F. V., M.Sc. Manc., Ph.D.

Medicine

(for subjects of first 2 yrs.—Anat., etc., v. *supra*)
McCrie, J. G., O.B.E., T.D., M.B., F.R.C.P.Ed. Dean.

Bacteriology
Beattie, C. P., M.A., M.B., Ch.B. Edin., D.P.H. Edin. Prof.
Beverley, J. K. A., B.Sc., M.D. Lectr.
Paine, C. G., M.D. Lond. Hon. Lectr.
Colquhoun, J., M.B., Ch.B. Hon. Lectr.
Gillespie, E. H., M.B., Ch.B. Edin. Hon. Lectr.
Whitehead, J. E. M., M.A., M.B., B.Chir. Camb., Dip.Bact. Lond. Hon. Lectr.
Whitwill, Miss M. C., B.Sc. Brist. Hon. Demr.
Evans, D. M. D., M.D. Lond. Hon. Demr.

Biochemistry
Bacon, J. S. D., M.A., Ph.D. Camb. Sr. Lectr. in charge.

Kaye, M. A. G., B.Sc Lond., Ph.D. Birm. Lectr.
Green, N. M., B.A. Oxon., Ph.D. Lond. Lectr.
Weber, G., Ph.D. Camb., M.D. Buenos Aires Lectr.
Oliver, I. T , M.Sc. Melb. Asst. Lectr.
Jordan, A., M.B., B.S. Lond. (Clinical B.) Hon. Lectr.
Mitchell, F. L., B.Sc. Liv. Hon. Demr.
Podmore, D. A. Hon. Demr.
Finch, Ethel, M.Sc. Birm. Hon. Demr.
Whittam, R., B.Sc.Tech. Manc., Ph.D. John Stokes Res. Fellow.

Cancer Research

Green, H. N., M A. Camb., M Sc., M.D., Prof. of Exp. Path. & Dir. of Cancer Res., Univ. of Leeds. Hon. Dir.

Child Health

Illingworth, R. S , M.D. Leeds, F.R.C.P., D.P.H., D.C.H. Prof.
Lorber, J., B.A., M.D., Camb., D.A. Lectr.
Short, T. J. R., M.A., M.B., B.Chir. Camb., D.C.H. Lectr.
Holt, K. S., M.D. Roch., M.B., Ch.B. Manc., D.C.H. Tutor.
Gordon, R. R., M.C., M.D., D.C.H. Glas. Hon. Lectr.
11 Clin. Teachers.

Field Laboratories

Illman, O., B.Sc. Lond. Curator.

Forensic Medicine

Forbes, G., B.Sc., M.D. Glas., F.R.C.S.Ed., F.R.F.P.S. Glas. (in charge of Dept.) Sr. Lectr.

Medicine

Stuart-Harris, C. H., M.D. Lond., F.R.C P. Sir George Franklin Prof
Pt.-time Lecturers and Clin. Teachers
Gumpert, T. E., M.B., Ch.B., F.R.C.P.
Brody, H. P., F.R C.P.
Leishman, A. W. D., M.A., D.M. Oxon., F.R.C.P.
Skipper, E. W., M.D. Lond., F.R.C P.
Brown, J. W., M D. Lond., F.R.C.P.
Whitaker, W., B.Sc., M.D. Leeds Lectr.
Hanley, T., M.D. Lond. Lectr.
Hammond, J. D. S., M.B., Ch.B. Res. Asst.
Turner, H. M., M.D. Manc., D.P.H. (Chest Diseases).
Darke, C. S., M.D. Lond. (Chest Diseases).
Kennedy, J. M., M.B., B.Ch., B.A.O. Belf., D.P.H. Belf. (Infectious Dis)
Carson, J., M.B., Ch.B. St. And., F.R.C.P. (Neurol. and Psychol.).
Wilkie, J., M.Sc., M.B., Ch.B., F.F.R., D.M.R. & E. Camb. (Radiodiag.)
Blomfield, G. W., M.A. Camb., M.B., Ch.B. Leeds, F.R.C.S. (Radiotherapy).
West, H. F., M.D. Lond. (Rheumatic Diseases).
Vickers, H. R., M.Sc., M.B., Ch.B., F.R.C.P. (Dermatol.).
Thorpe, F. T., D.P.M. (Ment. Dis.).
Esher, F. J. S., M.B., Ch.B. Birm., D.P.M. (Ment. Dis.) Hon. Asst. Lectr.
Finch, Sir Ernest, M.D., M.S. Lond., D.Sc., F.R.C.S. (Hist. of Med.) Hon. Lectr.
7 other Clin. Teachers.

Microbiology

Elsden, S. R., B.A., Ph.D. Camb. Sr. Lectr. in charge of Dept.

Fry, B. A., B.A., Ph.D. Camb. Lectr.

Obstetrics and Gynæcology

Russell, C. S., M.A. Oxon., M.D., Edin. F.R.C.S.Ed., F.R.C.O.G. Prof.

Pt.-time Lecturers and Clin. Teachers

Patrick, L. B., M.B., Ch.B., F.R.C.S.Ed.

Lees, D. H., M.B., Ch.B., F.R.C.S.Ed.

Smith, T., M.B., Ch.B., F.R.C.S. Ed., F.R.F.P.S. Glas.

Dewhurst, C. J., M.B., Ch.B. Manc. Lectr.

Abbas, T. M., M.D., F.R.C.S.Ed. Lectr.

Blakey, D. H., M.B., Ch.B. Manc. Hon. Tutor.

1 other Clin. Teacher.

Pathology

Collins, D. H., O.B.E., M.D. Liv. Joseph Hunter Prof.

Cameron, A. H., M.B., B.S. Durh. Lectr.

Ghadially, F. N., M.B., B.S. Bom., M.D. Lond. Lectr.

Hon. Lecturers

Edwards, J. L., M.A., M.B., B.Chir. Camb.

Emery, J. L., M.D. Brist., D.C.H.

Price, D. E., M.B., B.S. Lond.

Blackburn, E. K., M.D. Leeds, F.R.F.P.S. Glas.

Warrack, A. J. N., M.B.E., M.D. Lond.

Bowley, C. C., M.B., B.S. Lond.

Osborn, G. R., M.B., B.S. Melb.

Hon. Demonstrators

Hopewell, J. D., B.Sc., M.D., Ch.B.

Wolman, L., M.A., M.D. Camb.

Pharmacology and Therapeutics

Wilson, G. M., B.Sc., M.D., F.R.C.P.Ed. Prof.

Wood, D. R., M.A., B.Sc., B.M., B.Ch. Oxon. (Pharmacol.). Sr. Lectr.

Munro, D. S., M.B., Ch.B. Aberd. (Therapeutics) Lectr.

Tudhope, G. R., B.Sc., M.B., Ch.B. St. And. (Therapeutics) Lectr.

Renschler, H. K., E.E., M.D. Heidel. (Pharmacol.) Temp. Lectr.

Weetch, R. S., M.B., Ch.B. Glas. (Therapeutics) Hon. Lectr.

2 Instrs.

Social and Industrial Medicine

Hobson, W., B.Sc., M.D., D.P.H. Leeds Prof.

Pemberton, J., M.D. Lond. Sr. Lectr.

Fleming, C. E., M.A., B.Litt. Oxon., B.A., Dip.Com. W. Aust. Lectr.

Sharpe, J., M.B., Ch.B. Glas., F.R.F.P.S. Glas., D.P.H. Pt-time Lectr.

Roe, J. W., B.Sc. Lond. (Industr. Hyg.) Lectr.

Withnell, A., B.Sc. Lond., M.B., Ch.B. Manc., D.P.H. Manc. Temp. Lectr.

Wrighton, R. F., B.A. Camb., Ph.D. Birm. Statistician.

Trevethick, R. A., M.B., Ch.B. Hon. Lectr.

1 other Clin. Teacher.

Surgery

Jepson, R. P., B.Sc., M.B., Ch.B. Manc., F.R.C.S. Prof.

King, P. A., M.B., Ch.B. Tutor.

Pt.-time Lecturers

Yates, H. B., M.A., M.B., B.Chir. Camb., F.R.C.S. (Clinical S.).

Lytle, W. J., M.B., B.Ch., B.A.O. Belf., F.R.C.S. (Clinical S.).

Anderson, J. C., O.B.E., T.D., M.B., Ch.B. St. And., F.R.C.S. (Clinical S.).

Holdsworth, F. W., M.A., M.B., M.Chir. Camb., F.R.C.S. (Orthopædic S.).
Hardman, J., M.B., Ch.B. Birm., F.R.C.S. (Neurological S.).
Gray, J. D., M.B., Ch.B., F.R.C.S. (Ear, Nose and Throat).
Ferguson, W. J. W., M.B., Ch.B. Glas. (Ophthalmic S.).
Pleasance, R. E., M.D., D.A. (Anæsthetics).
12 other Clin. Teachers, 5 Instrs.

Venereal Diseases

Campbell, D. J., T.D., D.P.H., F.R.C.P.Ed.
Pt.-time Lectr. and Clin. Teacher.

School of Social Studies

Black, Ellinor I., B.Sc. (Econ.) Lond. Dir.
Ovens, Mrs. Kathleen R., B.A. Lond. Tutor.

Institute of Education

..... Dir.
Birch, L. B., B.Sc. Birm. (Educnl. Psychol.)
Lectr. and Deputy Dir.
Edwards, H. T., B.Sc. Lond. Sec.

Evening Studies

de Belin, G. A., M.Met. (Metall.) Dir.

Extra-Mural Studies

Bruce, M., B.A. Lond. Dir.
Roper, J. I., B.Litt. Oxon.
Sr. Tutor, Adviser on Tutorial Classes

Staff Lecturers

Bestall, J. M., M.A. Oxon. (Univ. Extension).
Turner, H. D., B.Sc., Ph.D. (Sc.).

Staff Tutors

Crowther, D., M.A. Leeds, Ph.D. Glas. (Philos.).
Eaglestone, A. A., B.Litt. Oxon. (Engl. Lit.).
Williams, J. E., M.A. Leeds (Hist.).
Mendelson, J., B.Sc. (Econ.) Lond. (Econ. and Pub. Admin.).
Whittington, W. E., M.A. (Econ. and Pub. Admin.).
Hughes, J. D., B.A. Oxon. (Econ. and Pub. Admin.).
23 Tutors in addition to members of the Univ. Academic Staff.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrars: F. O. Hooley, B.A. Birm.; Mrs. Eileen M. Denman, B.Sc. (Examns. and Records). Asst. Bursars: P. Davies, B.A. (Admin.) Manc., Major C. E. Eley, M.B.E., T.D. Surveyor: J. D. Auld, T.D. Appts. Officer: E. A. Ovens, B.A. Lond.; Asst.: Miss M. Goffin, B.A. Liv. (Educn.). H. E. Bell, M.A. (Extra-Mural Studies). Information Officer (Glass Dept.): Miss A. E. Howarth, B.A. Birm.

Student Health Service. Med. Officer in Charge: P. W. W. Gifford, M.B., Ch.B. Birm. Dep. Med. Officer: H. R. Worth, M.B., Ch.B. Edin. Asst. Med. Officer: Alison Chapman, M.B., Ch.B. St. And.

Libraries. Edgar Allen Library: Sub-Librarian, J. E. Tolson, B.A. Leeds, M.A. Liv. Inst. of Educn.: Librarian, Gwen F. Smith, B.A.

Wardens of Halls of Residence. For men: J. W. L. Adams, M.A. Oxon. (Crewe Hall); W. R. Maddocks, B.Sc. Wales, Ph.D. Glas. (Ranmoor House); G. C. Bird, B.A. Lond. (Stephenson Hall). For women: E. Mary Bone, B.A. Oxon. (University Hall). Lodgings Warden: Ethel T. M. Ball.

Tutor for Foreign Students: D. Hamer, M.C., M.A. Liv., F.S.A.

GENERAL INFORMATION

The Sheffield School of Medicine, founded 1828, Firth College, established as a College of Arts and Science in 1879, and the Sheffield Technical School, opened 1886, were united in 1897 to form University College, Sheffield, and in 1905 the College became, by Royal Charter, the University of Sheffield.

CONSTITUTION. The governing body of the Univ. is the Court, of which the Council is the executive cttee. Academic matters are controlled by the Senate, which consists of all the Profs. of the Univ. and certain other academic persons. Faculties, controlled by their own Boards, are responsible to the Senate for the whole of the teaching in each Fac. The Chancellor is the Chief Officer of the University and presides over Court and Council. The Vice-Chancellor is the principal academic officer and is, *ex officio*, Chairman of the Senate.

LIBRARY (Arts, Pure Sci., Med., and Law), 188,000 vols. and pamphlets, 755 current periodicals. LIBRARY (Appl. Sci.), 18,200 vols. and pamphlets, 142 current periodicals. Also Special Glass Technol. deptl. collection.

LABORATORIES, ETC. Equipment for advanced study and res. in all Depts. Sp. provision for Engin., in all branches, including Mining and Fuel Technol., and also for Glass Technol. and Metall., the equipment for the latter including an experimental scale steel works.

HOSPITALS available for clinics include 3 general (1974 beds), 7 sp. (1490 beds) and Mental Hosp. (2000 beds).

FACULTIES AND DEANS. *Arts*, Prof. G. P. Jones (Econ.); *Engineering* (Depts. of Civ., Electr., Mech. and Mining, Applied Mechanics, Fuel Tech., Glass Tech.), Prof. W. A. Tuplin (Appl. Mechs.); *Law*, Prof. D. Browne (Law); *Medicine* (including the Dental Dept.), Dr. J. G. McCrie; *Metallurgy*, Prof. A. G. Quarrell (Phys. Metall.); *Pure Science*, Prof. D. L. Linton (Geog.).

A School of Social Studies was established in 1949. There is a Univ. Training Dept. for Teachers for elementary and secondary schools. *Dept. of Glass Technology*: The Dept., housed in a separate block of bldgs., was the first and still remains the best known of the scientific instns. in the world devoted to the study of glass, v. also *supra*. *Faculty of Metallurgy*: The courses in Metall. include, in addition to the ord. subjects of a metallurgical trng., special instruction in the use of semi-large scale plant. Postgrad. courses are arranged for grads. in all Facs. There are sp. postgrad. technol. Schools in Mining, Appl. Mechanics and Phys. Metall.

ADMISSION. *See* Appendix I.

DEGREE COURSES. 3 yrs.—B.A. (with Honours in Archit.—5 yrs., including time spent in an Architect's office), B.Mus., B.A. (Econ.), B.Sc., LL.B., B.Met., B.Eng., B.Sc.Tech.; B.Eng. Honours and B.Sc. Tech. Honours, 3 yrs. after passing Intermed. Examn.; 6 yrs. (including at least 3 in the Univ.)—M.B., Ch.B.; 6 yrs.—B.D.S. Graduates of a Univ. of the U.K. who wish to qualify for special degree of B.A. or B.Sc. with Hons., B.Mus. or LL.B., need, under certain conditions, only attend courses for 2 yrs., if they have pursued a course for 2 yrs. at some approved instn. Graduates of approved Univs. who wish to qualify for B.Eng., B.Sc.Tech. or B.Met. with Honours need, under certain conditions, only attend courses for 2 yrs. (for B.Eng. or B.Sc.Tech. pass degree, 1 or 2 yrs.; B.Met. pass degree, 2 yrs.) if they have pursued a course for 2 yrs. at some approved institution.

General Honours B.A. and B.Sc. degrees are conferred (v. pp. 12-13).

Attendance on approved courses at a Univ. or Coll. recognized for the

purpose may be accepted as equivalent to such courses in the Univ. The Univs. of Aarhus, Aix-en-Provence, Basle, Berlin, Berne, Besançon, Bordeaux, Caen, Dijon, Freiburg, Giessen, Göttingen, Grenoble, Heidelberg, Innsbruck, Leipzig, Liège, Lyons, Madrid, Montpellier, Münster, Nancy, Paris, Poitiers, Rennes, Saragossa, Seville, Strasbourg, Tübingen and Zürich have been recognized in the Faculty of Arts, and the Univ. contributes towards expenses of undergraduates spending a term there.

A Schools Consultative Council, including, in addition to members of the Univ. staff, representatives of local education authorities and school staffs, keeps the Univ. in touch with secondary educn.

HIGHER DEGREES. Obtainable by Bachelors of the Univ. of 1 yr.'s standing—M.A., LL.M., M.Sc., M.Eng., M.Sc.Tech., M.Met. Under certain conditions graduates of other Univs. may become candidates for these degrees. M.D.S., on the results of an examn., written, *viva* and practical; 2 yrs.' standing—M.D.; 3 yrs.' standing—Ch.M.; 4 yrs.' standing—LL.D.; 5 yrs.' standing—Litt.D., D.Mus., D.Sc., D.Eng., D.Sc.Tech., D.Met.; Ph.D., v. p. 24.

DIPLOMAS. Archit., 5 yrs. (including time spent in an Architect's office); Educn. (after graduation), 1 yr. (special facilities for Pedagogical research); English Studies for Foreign Students, 1 yr.; Public Administration, 2 yrs. full-time, 4 yrs. part-time study; L.D.S., 5 yrs.; Microbiol. (postgrad.), 1 yr.; Appl. Mechanics (postgrad.), 1 yr.; Glass Technol., 3 yrs. (for those with 2 yrs.' practical experience, 2 yrs.); Phys. Metall. (postgrad.), 1 yr.; Soc. Studies (postgrad.), 1 or 2 yrs.; Associateship in Fuel (Evg. Students), 4 yrs.; Associateship in Metall. (Day Students), 1 yr., (Evg. Students), 5 yrs.

Certificates, Architecture (3 yrs.); Professional Practice (Architecture) (1 yr. prof. practice following award of degree or diploma); Biblical History and Literature (2 yrs.' evening study); Soc. Studies (2 yrs.).

Evening Classes in Metallurgy and Fuel are held during the 6 mos. Oct. to April and are recognized as qualifying for Associateships, *see above*. Trades Technical Classes are held in association with the National Trades Technical Societies.

Evening Classes are also provided in Conveyancing, Public Admin., and Biblical History and Literature.

FEES. Registn.: Diploma courses (except Educn. and L.D.S.), 21s. p.a., Educn., 25s. p.a.; Degree courses (except M.B., Ch.B. and B.D.S.), 25s. p.a. Tuition for degree courses (approximate): B.A., B.Mus. and B.A. (Econ.), £26: 13: 4 p.a.; B.A. with Hons. in Archit., £31: 10s. p.a.; LL.B., 15 gs. p.a.; B.Sc., £35 p.a.; B.Eng., B.Met., B.Sc.Tech. (Glass or Fuel), £41: 10s. p.a.; M.B., Ch.B., £42 p.a.; B.D.S., £45 p.a. Examns.: Interm. and 1st B.Mus., £2; Final Pass Degree, £2; Final General B.A., £2: 10s.; Final Honours, B.Mus. and General B.Sc., £3; M.B., Ch.B., B.D.S., L.D.S., for each of 1st, 2nd, 3rd and Final examns., £6. Bachelor's Degree fee, £6 (except M.B., Ch.B., £5; B.D.S., £5).

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II.

RESIDENCE, ETC. (For Wardens *see* "Administrative and other Staff," p. 510.) For women (fees, £114-£129 p.a.): University Hall, Endcliffe Vale Road, Sheffield, 10 (*Telephone*: Sheffield 63506) (main hall, 60 students; annexes, 60 students). For men (fees, £114-£129 p.a.): Crewe Hall, Clarkehouse Road, Sheffield, 10 (*Telephone*: Sheffield 60255) (main hall, 100 students; annexes, 21 students); Ranmoor House, Fulwood Road, Sheffield, 10 (*Telephone*: Sheffield 32949) (50 students); Stephenson Hall, Oakholme Road, Sheffield, 10 (*Telephone*: Sheffield 61225) (at present 100 students). A list is

maintained of lodgings supervised by a Special Cttee., and there is a full-time Warden of Lodgings; board and lodgings cost from 45s. upwards per wk.

STUDENT HEALTH SERVICE. A Student Health Service is provided in the charge of a full-time Medical Officer appointed by the Univ. Under Univ. Regulations each student has a thorough examn. in his or her first yr. All students are entitled to consult the Medical Officer of the Student Health Service. For Medical Officers *see* " Administrative and other Staff," p. 510.

APPOINTMENTS BOARD. For Appointments Officer *see* " Administrative and other Staff," p. 510. The services of the Appointments Board are available to all students, past and present. The Board has members from industry, etc., and deals with all matters relating to appointments. Relations are maintained with employers in all fields.

UNIVERSITY TRAINING CORPS. The U.T.C. provides facilities for training in the following units: Infantry and R.E.M.E. Commanding Officer: Major M. C. Davies.

STUDENTS' UNION AND ATHLETICS. The social and athletic subscription (£4 : 4s.) forms a compulsory part of students' fees. The social and athletic facilities are thus available to students in all faculties and comprise: (i) membership of the University Union and its various societies, (ii) an athletic ground some 40 acres in extent, (iii) a gymnasium, boxing ring, badminton, fives and squash courts, etc.

There is an OLD STUDENTS' ASSOCN. which publishes periodically lists giving addresses, occupations, honours, etc.

INSTITUTE OF EDUCATION, 304 Western Bank, Sheffield, 10 (*Telephone*: Sheffield 63891). *Constituent Members*: Univ. Dept. of Educn.; City of Sheffield Training Coll.; Thornbridge Hall Training Coll.; Wentworth Castle Training Coll.; Doncaster Training Coll.; Lady Mabel Coll. of Physical Educn.; Totley Hall Coll. of Housecraft; City of Sheffield Coll. of Arts and Crafts. For Director and Secretary *see* p. 510.

The BOARD OF EXTRA-MURAL STUDIES supervises the extra-mural work of the Univ. Public lectures, Univ. Extension courses, Tutorial and Sessional Classes are provided. There is a Joint Cttee. for work with the Workers' Educational Association. *See also* p. 510 above.

PUBLICATIONS. *Calendar* (Oct.), 15s.; *Sheffield University Gazette*, once each term, 3d.; *The Arrows*, a Chronicle, twice a year, annual subs., 2s.; *Annual Report* (Dec.); *Handbook*; Fac. and Training Dept. Prospectuses; Scholarships pamphlet.

THE YEAR 1952–53

BENEFACTIONS. The late Sir George and Miss D. Franklin, legacies amounting to £52,249; United Steel Companies, Sheffield, provision of Fellowship for res. in ferrous metall.

NEW BUILDINGS. Chemistry department moved into new bldg.; Mining extensions opened; new hosp. quarters for Obstet. and Gynæcol.; addtl. accom. for Biochem.; new machine and heat-treatment shops for Metall.; prizes awarded for winning designs in architectural competition for further bldg.

PRINCIPAL CHANGES IN REGULATIONS. Institution of hons. schools: (i) of Mod. Hist. and Govt., and of Econ. and Govt., to replace former sch. of Econ.,

Mod. Hist. and Political Instns.; (ii) of Biochem. One-yr. day course for Assoc. Met. for selected students from industry.

EXTRA-MURAL WORK. 55 Tutorial, Sessional and Terminal classes, 36 Univ. Extension courses, 5 one-day schools; 7 special courses and a number of single lectures were held.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Prof. P. Jourda, Montpellier, "Comment Racine conçoit un personnage tragique", "Marguerite de Navarre"; Dr. L. W. Tancock, Lond., "A survey of recent research on the French literature of the 17th and 19th centuries"; Prof. E. Lunding, Aarhus, "Dichtung und Bürgerlichkeit"; Prof. J. G. Wilson, Leeds, "The new unstable particles of cosmic rays"; Dr. R. Bray, Purdue, "Electron-hole recombination rates, with reference to photoconductivity"; Emer. Prof. D. Thoday, Bangor, "Mistletoe", "The water relation of plants"; Prof. S. C. Harland, Manc., "New plants for old;"; Prof. P. de Bethune, Louvain, "Appalachian relief", "The cycle of erosion"; Prof. C. A. Cotton, N.Z., "Tectonic relief"; Prof. P. A. Sheppard, Lond., "The general circulation of the atmosphere"; Dr. R. A. Lyttleton, Camb., "The accretion process in astronomy"; Prof. S. Gard, Stockholm, "Poliomyelitis"; Dr. H. R. Dew, Syd., "The differential diagnosis of scrotal swellings"; Prof. R. W. B. Ellis, Edin., "Child Health in the tropics"; Dr. A. W. Skempton, Lond., "The development of soil mechanics"; Dr. A. D. Booth, Lond., "X-ray and other micro-techniques and their bearing on the structures and properties of glass"; Dr. T. P. Hoar, Camb., "Some metallurgical aspects of the vitreous state"; E. D. Lacy, Birm., "Some properties of natural and artificial glasses with especial reference to atomic packing"; J. O. Beckris, Lond., "The constitution of liquid silicates"; Dr. F. D. Richardson, Lond., "Some thermodynamic aspects of molten slags and their relevance to glasses"; L. A. K. Staveley, Oxon., "Homogeneous nucleation in supercooled liquids"; Prof. T. S. Simey, Liv., "The welfare state in Israel"; Emer. Prof. C. W. Valentine, Birm., "Backwardness in children"; H. C. Whaite, Lond., "Art education in schools".

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. J. F. Danby, Nott., "William Wordsworth", Oxon., "The nature of Wordsworth"; F. Berry, Nott., "English poetry, 1940–53", Exeter, "The function of poetry in contemporary society"; F. Pierce, Nott., "Hispanic studies, their nature and some of their problems"; Prof. G. R. Potter, N. Wales, "Calvin and Geneva"; W. Thornhill, Nott., "The problems of areas in Local Government", "The distribution of functions between the Central Government and the Local Authorities", Oxon., "Local Government in democracy"; K. J. W. Alexander, Leeds, "The study of industrial relations"; F. F. Bruce, Nott., "Recent developments in biblical archæology"; Dr. L. Mirsky, Liv., "Goldbach's conjecture"; Dr. C. M. Hamill, Lond., "Certain configurations"; Prof. W. Sucksmith, Maryland, "Spontaneous magnetization-techniques and measurements"; Prof. R. D. Haworth, Leeds, "The chemistry of the tropolones"; Prof. L. R. Moore, Birm., "The coalfields of Southern Britain"; Prof. D. L. Linton, Oxon., "Problems of British river evolution", Lond., "Ice erosion in Scotland"; Dr. A. Garnett, Lond., addresses to jubilee meetings, dept. of Geography; Prof. H. A. Krebs, Paris, "Oxidative phosphorylation"; Dr. R. E. Davies, Birm., "The mechanism of secretion of hydrogen and other ions"; Dr. J. Pemberton, Manc., "Health factors in causation of problem families"; Sir E. Finch, Lond. (King's Coll. Hosp.), Legg Memorial Lecture, "Romance of Surgery"; Prof. H. W. Swift, Birm., "Deep drawing of metals"; Prof. A. G. Quarrell, Camb., "Electrons

in the examination of metals " ; J. M. Bestall, Leicester, " Haddon Hall and Chatsworth."

RETIREMENTS. Dr. J. R. Thompson (Educn.) ; Dr. C. A. Stewart (Maths.) ; Miss E. G. Turner (Chem.) ; Prof. R. J. Sarjant (Fuel Tech.) ; Miss H. M. Iliffe (Library).

RESIGNATIONS. P. B. Corbett (Classics) apptd. Lectr. in Humanity, Aberd. ; H. T. Barnwell (French), apptd. Lectr. in French, Edin. ; Dr. F. P. Pickering (German), apptd. Prof. in German, R'dg. ; T. E. May (Spanish), apptd. Lectr. in charge of Spanish, Aberd. ; R. J. Howrie (Archit.), apptd. Hd. of dept. of Archit., Leicester Coll. of Art ; Dr. C. d'O. Farran (Law), apptd. Lectr. in Law, Liv. ; J. M. Marstrand (Maths), apptd. Res. Fellow in Maths., Camb. ; J. F. Scott (Maths.), apptd. Asst. Lectr. in Statistics, Aberd. ; Dr. P. Woodward (Chem.), apptd. Lectr. in Chem., Brist. ; M. J. Perry (Chem.) ; J. C. Ritchie (Bot.) ; J. E. Mitchell (Anat.) on return to clin. work ; Dr. K. Burton (Biochem.), to complete res. in U.S.A. ; W. Forhsall (Biochem.), apptd. Asst. Biochemist, Edin. hosps. ; Prof. E. J. Wayne (Pharm. and Therap.), apptd. Regius Prof. of Med., Glas. ; Dr. S. Oleesky (Therap.), apptd. Consultant Physician, Crumpsall Hosp. ; Prof. H. N. Green (Pathol.), apptd. Prof. of Exp. Pathol., Leeds, Dir. Cancer Res., S. Yorks ; Dr. H. J. Whiteley (Pathol.), apptd. Sr. Lectr. of Pathol., Welsh Nat. Sch. of Med. ; Miss S. M. Stewart (Bacteriol.), apptd. Res. Fellow, Edin. ; Dr. S. A. Doxiadis (Child Health) ; Dr. M. G. Philpott (Child Health), apptd. Consultant Pædiatrician, Leeds Regional Hosp. Bd. ; Dr. H. J. Cowan (Civil Engin.), apptd. Prof. of Archit. Sci., Syd. ; R. M. Haythornthwaite (Civil Engin.), apptd. to staff of Brown Univ. ; Dr. G. B. Walker (Elect. Engin.), apptd. Lectr. in Elect. Engin., Queen Mary Coll., Lond. ; D. K. Roberts (Mech. Engin.) ; B. Wilcock (Mech. Engin.) ; K. M. Brown (Mining), apptd. Lectr. in Mining, Birm. ; Dr. R. Heeley (Glass Technol.) apptd. technologist, Messrs. E. J. and J. Pearson ; Dr. L. Heslop (Student Health Service) ; D. P. Furneaux (Glass, Tech. Sec.) ; F. Newby, (Glass, Inf. Officer, Librarian).

DEATHS. Emer. Prof. F. C. Lea (Prof. of Mech. Engin. 1923–36) ; J. E. Stacey (Lectr. and Clin. Teacher, Obstet. and Gynæcol., 1925–52) ; Dr. W. J. N. Vincent (Lectr. in Mental Dis. 1911–33) ; Dr. W. S. Evans (Extra-Mural Tutor 1931–46) ; Dr. G. W. Rippon (Instr. in Anæsth. 1936–53) ; W. A. Batley (Lectr. in Fuel Technol. 1920–49) ; Dr. T. F. Wall (Sr. Lectr. in Elect. Engin. 1919–48) ; J. H. Higham (Chem. Lab. 1905–50).

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	1648	208
Women	383	202
Total	2031	410

Postgraduate students, 297.

First-yr. admissions, 477.

Students (full-time) from other countries, 127. (Countries from which largest numbers came : India, 25 ; Egypt, 15 ; Pakistan, 8 ; Thailand, 8 ; Iraq, 8 ; Norway, 5.)

In addition there were 1132 evening students and 2606 students attending other part-time courses, including Extra-Mural courses.

DEGREES. B.A., 173; B.Mus., 1; B.A. (Econ.), 6; M.A., 12; Ph.D. Arts, 1; B.Eng., 35; B.Sc.Tech., 10; M.Eng., 6; M.Sc.Tech., 5; Ph.D.Eng., 11; LL.B., 6; M.B., Ch.B., 48; B.D.S., 4; Ph.D.Med., 2; M.D., 5; B.Met., 11; M.Met., 7; M.Sc.Tech., 1; Ph.D.Met., 11; B.Sc., 102; M.Sc., 4; Ph.D. Pure Sci., 19.

DIPLOMAS AND ASSOCIATESHIPS. Educn. (Arts), 60; Archit., 20; Pub. Admin., 15; Appl. Mechs., 3; Glass Technol., 1; Fuel, 3; Microbiol., 1; L.D.S., 9; Phys. Met., 3; Ferrous Met., 35; Educn. (Pure Sci.), 22.

CERTIFICATES. Archit., 17; Bibl. Hist. and Lit., 2; Soc. Studies, 6.

[*Information compiled as at* 12/6/54 ;
Staff list revised on 19/10/54.]

UNIVERSITY OF SOUTHAMPTON*

Founded 1952

Postal Address : Highfield, Southampton, England.
Telephone : Southampton 54071 (4 lines).

VISITOR—H.M. THE QUEEN.

CHANCELLOR—His Grace THE DUKE OF WELLINGTON, K.G., LL.D.

PRO-CHANCELLORS—Sir SAMUEL GURNEY-DIXON, M.A., M.D. Camb., LL.D., J.P. ; Sir HENRY TIZARD, G.C.B., M.A., F.R.S.

VICE-CHANCELLOR—D. G. JAMES, M.A. Wales.

DEPUTY VICE-CHANCELLOR—Professor E. T. DAVIES, D.Sc., Ph.D. Lond., D.Math. Rome.

TREASURER—A. R. AVENS, F.C.A.

SECRETARY AND REGISTRAR—R. N. M. ROBERTSON, M.A., LL.B. Glas.

ACADEMIC REGISTRAR—MARGARET W. PRICE WHITE, B.A. Wales.

FINANCE OFFICER—F. H. SAWYER.

LIBRARIAN—MARJORY I. HENDERSON, M.A. Edin.

TEACHING STAFF

Botany

Williams, W. T., B.Sc., Ph.D. Lond. Prof.

Lecturers

Lambert, Joyce M., M.A., Ph.D. Lond.
Lane, G. R., B.Sc., Ph.D. Lond.
Manners, J. G., M.A., Ph.D. Camb.
Crombie, Mrs. Winifred M. L., B.Sc., Ph.D. Lond.

Chemistry

Adam, N. K., M.A., Sc.D. Camb., F.R.S., F.R.I.C.
Dean, Fac. of Sci., Prof.
Chapman, N. B., M.A., Ph.D. Camb. Sr. Lectr.

Lecturers

Campbell, Ishbel G. M., B.Sc., Ph.D. St. And.
Webb, K. R., B.Sc., Ph.D. Lond.
Balson, E. W., B.Sc. Lond.
Cartmell, E., B.Sc. Lond.
Parker, R. E., B.Sc. Lond.
Riddiford, A. C., B.Sc., Ph.D. Birm.
Fowles, G. W. A., B.Sc., Ph.D. Brist.
Cavell, E. A., B.Sc., Ph.D. Lond.
Symons, M. C. R., B.Sc., Ph.D. Lond.

Classics

Baldry, H. C., M.A. Camb. Prof.

Lecturers

Whitaker, C. W., M.A. Oxon.
Douglas, A. E., M.A. Oxon.
Macleod, M. D., M.A. Camb.

Economics

Ford, P., B.Sc. (Econ.), Ph.D. Lond.
Dean, Fac. of Econ. and Comm., Prof.

* Member of the Association of Universities of the British Commonwealth.

Armstrong, W. E., M.A. Camb. Reader.

Lecturers

Hodgson, R. A., B.Com., D.P.A. Lond. (Comm. and Acctg.).
Thomas, C. J., B.Sc. Wales, M.Sc. (Econ.) Lond. (Econ. Stats.).
Richards, P. G., B.Sc. (Econ.) Lond. (Govt.).
Benn, S. I., B.Sc. (Econ.) Lond. (Govt.).
Young, Agnes F., M.A. Liv. (Soc. Studies).
Ashton, E. T., M.A. Oxon., B.Sc. Lond. (Soc. Studies).
Harding, H. (Comm. and Acctg.) Pt.-time Lectr.
Hart, H., B.A. (Com.) (Comm. and Acctg.) Pt.-time Lectr.
Dunning, J. H., B.Sc. (Econ.) Lond. Asst. Lectr.
O'Connell, Patricia E. (Health Visitor's Course) Tutor.
Butler, E. B., B.Sc. (Econ.) Lond.

Education

Wagner, F. W., M.A. Oxon., B.Sc. Adel. Dean and Prof.

Lecturers

Hales, Rhona B., M.A. Oxon., B.D. Lond.
Pearcy, I. H., B.Sc. Lond.
Hancox, Marguerita K., M.A. Birm.
Rushby, J. G., B.Sc. Lond.

Asst. Lectrs. (Pt.-time)

Ricks, Elsie M. (Phys. Training and Hyg., Women).
Davies, V. S. (Phys. Training and Hyg., Men).

Electronics, Telecommunications and Radio Engineering

Zepler, E. E., D.Phil. Würzburg, Ph.D. Prof.

Lecturers

Punnett, S. W., B.Sc. Lond.
Tomlinson, T. B., B.Sc. Lond., Ph.D.
Ingram, D. J. E., M.A., D.Phil. Oxon. Res. Fellow.
Sprinks, M. E., B.Sc., Ph.D. Lond.
7 Technical Lectrs.

Engineering, v. *infra*

English Lang. and Lit.

Wright, B. A., M.A. Oxon. Prof.
Brooks, K. R., M.A., D.Phil. Oxon. Sr. Lectr.

Lecturers

Prince, F. T., M.A. Oxon.
Sharrock, R. I., M.A., B.Litt. Oxon.
Swannell, J. N., B.A. Lond.
Osselton, N. E., B.A. Lond. Asst. Lectr.
Newman, F. A. B., M.A. Oxon. Pt.-time Lectr.

Geography

Monkhouse, F. J., M.A. Camb. Prof.

Lecturers

Tavener, L. E., M.A. Camb., Ph.D. Lond.
Pelham, R. A., M.A. Wales, Ph.D. Birm.
Robinson, G. W. S., M.A. Lond.
Large, D. C., M.A. Syracuse
Small, R. J., B.A. Camb. Asst. Lectr.

Geology

Wisden, Dorothy E., M.Sc., F.G.S. Lectr.
Jones, D. G., M.Sc. Asst. Lectr.

. . . . . .

German

Lucas, W. I., M.A. Brist., Ph.D. Heidel. Dean, Fac. of Arts, Prof.
Wilson, W. L., M.A. Edin. Lectr.
Neuschaffer, W., Ph.D. Heidel. Lectr. and Hon. Lectr. in Russian.
1 Lektor.

History

Rothwell, H., B.A. Manc., Ph.D. Camb. Prof.

Lecturers

Patterson, A. T., M.A. Durh.
Merson, A. L., B.A. Oxon.
Hanna, A. J., B.A. Belf., Ph.D. Lond.
Pugh, T. B., M.A., B.Litt. Oxon.
Mather, F. C., M.A. Manc.
Crawford, O. G. S., Litt.D., F.S.A., F.B.A. (Field Archæol.) Hon. Lectr.

Legal Studies

Grant-Bailey, S. N., M.A., LL.M. Camb., M.A., B.C.L. Oxon. Dean, Fac. of Law, Dir.

Part-time Lecturers

Stanier, J. G., LL.B. Lond.
Edwards, C. W., B.A. Oxon.

Part-time Assistant Lecturers

Aplin, H. W., B.A. Oxon.
Banerji, R., B.A. Oxon.
Bridgewater, B.
Chapman, G. L., B.A., B.C.L. Oxon.
Clarke, G., B.A. Oxon.
Dyer, L. M., B.A.
Edwards, J. B. S., B.A. Oxon.
Knox, J., B.A. Oxon.
Parker, J., B.A. Oxon.
Samuels, H. A., B.A. Camb.

Mathematics, Pure and Applied

Davies, E. T., D.Sc., Ph.D. Lond., D.Math. Rome (Pure) Prof.
Jahn, H. A., M.Sc. Lond., Ph.D. Leipzig (Appl. M.) Prof.
Irving, J., M.A. Glas., Ph.D. Birm. Sr. Lectr.

Lecturers

Maunsell, F. G., M.A., Ph.D. Camb.
Liebetegger, A., Ph.D. Vienna.
Walls, Nancy, M.A. Edin.
Clark, R. S., M.Sc., Ph.D. Lond.
Mullineux, N., B.Sc., Ph.D. Manc.
Davies, H. J., B.Sc., Ph.D. Wales.
Brickell, F., B.Sc., Ph.D. Lond.
Richards, Mrs. Olive A., M.Sc. Lond.
Schonland, D., B.Sc. Rhodes, M.A., Ph.D. Birm.
Bermingham, K., B.Sc. Lond. Tech. Lectr.

Music

Williams, D. C., Mus.Bac. Durh., F.R.C.O. Dir.

Philosophy

MacIver, A. M., M.A. Oxon. Sr. Lectr.
Manser, A. R., M.A., B.Phil. Oxon. Lectr.

Physics

Taylor, A. M., M.A., Ph.D. Camb., F.I.P. Prof.
Weintroub, S., M.A. Oxon., F.I.P. Sr. Lectr.

Lecturers

McNeill, D. B., M.Sc., Ph D. Belf.
Kellner, K., Ph.D. Edin.
Jerrard, H. G., B.Sc. Lond.
Myers, W. R., M.Sc. Lond.
Braybon, J. E. H., B.Sc. Lond.
Mercer, D. M. A., B.Sc. Lond., M.A. Camb.
Le Croissette, D. H., M.Sc. Lond.

Romance Languages

French

Hackett, C. A., M.A. Camb., D. de l'U. Paris Prof. in charge of Romance Langs.

Lecturers

Beaumont, E., M.A., Ph.D. Lond.
Mayer, C. A., B.A., Ph.D. Lond.
Foster, B., M.A., D. de l'U. Paris.
Cruickshank, J., M.A., Ph.D. Dub.
Scott, J. W., B.A. Leeds.
Eastman, Mrs. Simone P., O.A. Lectrice.
1 Lecteur.

Spanish

Kerr, R. J. A., M.A. Glas. Lectr.
Iglesias, Sta Antonia G. Asst.

Theology

Livesey, Rev. H., M.A. Oxon., F.R.A.I. Supervisor of Studies.

Hon. Lecturer
Frith, Rev. H. I., M.A. Manc., B.D. (Bibl. & Hist. Theol.).

Zoology
Raymont, J. E. G., B.Sc. Lond., A.M. Harv. Prof.

Lecturers
Hall, R. E., B.Sc. Lond.
Hockley, A. R., B.Sc. Lond.
Fairbairn, W. J., B.Sc. St. And.
Munday, K. A., B.Sc. Manc., Ph.D. Aberd.
Riddiford, Mrs. Dorothy F., B.Sc. Durh.
Kerkut, G. A., M.A., Ph.D. Camb.

Engineering

Engineering, Aeronautical
Richards, E. J., M.A. Camb., B.Sc. Wales Prof.

Lecturers
Tanner, T.
Mead, D. J.
Powell, A., B.Sc. (Eng.), Ph.D. Lond.
Jones, J. P., B.Sc. (Eng.) Lond.

Engineering, Civil
Wright, W., B.Sc. Glas., Ph.D. Aberd.
Sr. Lectr. and Hd. of Dept.

Lecturers
Ray, P. N., M.A. Oxon.
Chapman, T. G., B.Sc. Leeds

Engineering, Electrical
Sims, L. G. A., Ph.D., D.Sc. Birm.
Sr. Lectr. and Hd. of Dept.

Lecturers
Chester, C. E., B.Eng. Sheff.
Steven, R. E., B.Sc. Belf.
Yorke, R., B.Sc. Lond., B.Eng. Sheff.
Morphew, K. L., B.Sc. (Eng.) Lond.

Engineering, General
Leech, H. J., A.F.M.
Exper. Engineer.

Engineering, Mechanical
Black, A. N., M.A. Camb.
Dean of Fac., Prof., and Admin. Head of Depts.

Lecturers
Cook, A. F., M.A. Camb.
Sara, H. J., B.Sc. (Eng.) Lond.
Helmer, C. H., B.Sc. (Eng.) Lond.
Grassam, N. S., B.Sc. (Eng.), Ph.D. Lond.
Prince, A. T., B.Met. Sheff.
Jolley, E. S. Tech. Lectr.

Engineering, Marine
Sword, J. H.
Tech. Lectr. in Charge.

Technical Lecturers
Thomason, J. C.
Lochhead, D. J.

Institute of Education

Wagner, F. W., M.A. Oxon., B.Sc. Adel. Dir.
Hicks, W. C. R., B.A. Lond., Dr.Phil. Erlangen
Sec. and Dep. Dir.
Lobb, K. M., M.A., Ph.D. Lond.
Acad. Asst.
Evans, E. G. S., M.A., Ph.D. Birm.
Lectr., Tutor.
Douch, R., M.A. Lond. Lectr.

Adult Education

Dir.: J. Parker, M.A. Durh. Tutor Organizers: J. R. Armstrong, M.A. Camb.; R. Mullins, B.A. Lond.; A. G. Geddes, B.A. Lond.; P. J. De Grouchy, M.A. Oxon.; P. G. H. Hopkins, B.A., B.Sc. (Econ.) Lond.; F. A. Ollett, M.A. Camb.; B. Schaffer, B.Sc. (Econ.) Lond. Res. Tutors with H.M. Forces: A. Hodson, B.A. Liv.; D. C. Hawkins, B.Sc. (Econ.) Lond.; K. F. Jay, B.A. Lond., LL.D. Leipzig; E. M. G. Belfield, M.A. Oxon.; E. J. Feuchtwanger, M.A. Camb.

ADMINISTRATIVE AND OTHER STAFF

Asst. Sec., Mrs. N. H. Hall; Appointments Officer, L. E. Tavener, M.A. Camb.; Secretary's Private Sec., Hilda Boyens; Hd. Clerk of College Office, Dorothea C. Oxford; Administrative Assistant, Institute of Education, Theodora F. Ross-White; Clerk of Works, H. C. Doman; Lodgings Officer, Mrs. D. L. Luker.

Library. Dep. Librarian: H. W. Belmore, M.A. Lond.; Sr. Asst. Librarians: Hilda M. Swift, B.A. Lond.; A. Anderson, M.A. Edin.; D. M. Ellis, B.A. Wales; M. B. Line, M.A. Oxon.

Wardens of Halls of Residence. Rev. H. Livesey, M.A. Oxon., F.R.A.I. (Connaught Hall); Elizabeth U. Lightbody, M.A. Edin. (Highfield Hall); Mary I. Ward, B.A. Birm. (South Hill); J. Cruickshank, M.A., Ph.D. Dub. (South Stoneham House); H. C. H. Mead, B.A. Camb. (Glen Eyre Hall).

GENERAL INFORMATION

The Hartley Institution, founded in 1850 and opened in 1862, was incorporated in 1902 under a scheme of the Board of Education as the Hartley University College at Southampton. In 1953 it was merged in the University of Southampton, constituted by Royal Charter in 1952.

CONSTITUTION. The Court is the supreme governing body of the Univ. and the Council is the executive body, managing revenue and property subject to Statutes and to control of Court. The Senate regulates and superintends educn. and discipline subject to Statutes and to approval of Council. The Chancellor, elected by Court on nomination of Council, is the Chief Officer of the Univ. and the Pro-Chancellors exercise the functions of the Chancellor in his absence. The Vice-Chancellor, apptd. by Council, is the principal academic and admin. Officer and is *ex officio* Chairman of Senate. Bds. of Facs. regulate, subject to review by Senate, the teaching of subjects assigned to them.

INCOME 1952–53. Total income (excluding income for Technical Educn. and Halls of Residence), £274,083—Treasury Grant, 76·6 per cent.; Local Authority Grant, 6·5 per cent.; Fees, 15·5 per cent.; Endowments, 0·8 per cent.; Other sources, 0·6 per cent.

LIBRARY. The Edward Turner Sims Library and the Dept. Libraries contain about 100,000 vols. Current periodicals number over 450.

FACULTIES AND DEANS. *Arts*, Prof. W. I. Lucas (German); *Economics and Commerce*, Prof. P. Ford (Econ.); *Education*, Prof. F. W. Wagner; *Engineering*, Prof. A. N. Black (Mech. Engin.); *Law*, S. N. Grant-Bailey; *Science*, Prof. N. K. Adam (Chem.).

DEGREE COURSES. B.A.—General and Hons.; B.Sc.—General and Special; B.Sc. (Eng.)—Ordinary and Hons.; B.Sc. (Econ.)—Hons. and Pass; B.A. (Law)—Hons. All degrees, except B.Sc.(Econ.), are awarded after a 3-yr. course provided that certain entrance requirements, particularly for Hons. Courses, are met. B.Sc. (Econ.) is awarded 3 yrs. after completion of Qualifying Examn. The LL.B. is awarded as a 2nd degree after a 3-yr. course following completion of B.A. (Law). The Dept. of Legal Studies prepares students for the Bar and Solicitors' examns. as well as for the Univ.'s degrees.

The B.Sc. (Eng.) in Aeronautical Engin. may be taken as a joint Univ.-Apprenticeship course, providing the student with a Univ. degree and a well co-ordinated practical trg. in 4 yrs.; in each of the 4 yrs. the student spends 2 terms at the Univ. and 6 mos. with one of a no. of specified firms.

HIGHER DEGREES. M.A., M.Sc., M.Sc. (Eng.), M.Sc. (Econ.), M.A. (Ed.), LL.M. (1-2 yrs. after bachelorship), open to grads. of the Univ. and of other approved Univs.; M.Sc., M.Sc. (Eng.) and Ph.D. in Facs. of Sci. and Engin. also open to non-grads. on certain conditions and with sp. approval; Ph.D. (2 yrs.), open to grads. of U.K. Univs. and other approved Univs.; grads. of the Univ. may obtain D.Litt., D.Sc. and LL.D. 6 yrs. after 1st graduation.

SPECIAL PROVISIONS. The Dept. of Educn. provides 1-yr. postgrad. course for teachers in training.

Sp. provision for aeronautical instrucn. (low and high speed wind tunnels); aircraft manufacturing firms in district provide opportunities for keeping in close touch with practical aircraft construcn.

Through its evening classes (attended by about 650 students) the Univ. performs the function of a Sr. Technical Inst.

DIPLOMA AND CERTIFICATE COURSES. Dipl. in Soc. Studies (1-yr. postgrad. course); Certif. in Soc. Studies (2-yr. course); Dipl. in Electronics (1-yr. course for grads. and others with technical qualificns.); Dipl. in Pub. Admin. (2-yr. course; pt.-time courses arranged to meet requirements of Local Govt. Officers); Inst. of Educn. Certif. in Educn. (1-yr. postgrad. course).

ADMISSION. *See* Appendix I.

FEES. Matriculation, £3 3s.; Registration, £1 1s. The annual tuition fees are (i) for first degree courses: £32 in Arts and Econ.; £40 in Sci. and Law; £45 in Engin. (£17 per term Aero-Sandwich Course); (ii) for Dipl. courses: £40 in Electronics; £35 in Soc. Studies; £32 in Pub. Admin.; (iii) for Cert. courses: £40 in Educn.; £32 in Soc. Studies; (iv) for higher degree courses: £10 with a lab. fee of £15 where appropriate. Students whose parents are ratepayers within the County Borough of Southampton are charged at three-quarters of the amount stated for first degree, dipl. and cert. courses (except Educn.). Application fee for all courses, 10s.

Students' Union composite fee, £4 : 4s. This fee entitles students to membership of all student societies and clubs, including the Athletic Union, and to the use of the Common Rooms.

ATHLETIC UNION. Facilities are provided for all the Union branches of sport, including Rugby and Association football, cricket, rowing, hockey, tennis and athletics.

SCHOLARSHIPS AND EXHIBITIONS. The Univ. offers annually (*a*) 31 Open Scholarships of values from £40 to £100, all tenable for 3 yrs. and supplemented by the Ministry of Education. The holders are required to pay tuition fees. (*b*) Four Open Exhibitions. Four Exhibitions to candidates resident in Borough of Southampton. Two Social Studies Exhibitions. Exhibitions are of the value of free tuition.

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II.

LOAN FUND. A fund is available to help sr. students in need of financial assistance.

HALLS OF RESIDENCE. All full-time students must ordinarily reside in one of the Halls of Residence or in approved lodgings, unless living with parents or guardians. The Halls are: for women—Highfield Hall, Omdurman Road, Southampton, 98 places (*Telephone*: Southampton 55483); South Hill, Glen Eyre Road, Southampton, 32 places (*Telephone*: Southampton 68039); for men—Connaught Hall, Swaythling, Southampton, 127 places (*Telephone*: Southampton 54402); South Stoneham House, Swaythling, Southampton,

81 places (*Telephone*: Southampton 55627); Glen Eyre Hall, Glen Eyre Road, Bassett, Southampton (still being built), at present approx. 100 places (*Telephone*: Southampton 68959). Fees for the session: Women, £100-£105; Men, £105-£110, not including lunches or teas.

UNIVERSITY AIR SQUADRON. The Univ. Squadron was established in 1941. Membership is open to all Freshmen, whether from School or ex-Service. All entrants become members of the R.A.F.V.R. C.O.—S/Ldr. D. H. Downs.

THE HARTLEY SOCIETY. This is a former students' Assocn., membership of which is open to all former day students. There are branches in London and the Midlands.

STUDENTS' HEALTH. There is no fully established Health Service, but each Hall of Residence has its Medical Officer, and arrangements are made for the mass radiography of all students.

APPOINTMENTS BOARD. (For Appts. Officer *see* "Administrative and other Staff," p. 521.) The Bd. advises students upon their careers; collects and distributes information on vacancies in employment; establishes contact with technical firms, business houses, govt. depts., etc., with a view to placing students in employment.

ADULT EDUCATION. The Dept. of Adult Educn. provides courses covering a wide range of non-vocational subjects for groups of adult students in Hampshire, W. Sussex, E. Dorset and the Isle of Wight. Extension courses and Tutorial classes are organized under the direction of the Jt. Cttee. for Adult Educn. The panel of Extension lecturers and tutors includes members of the Univ. Staff and other approved teachers.

INSTITUTE OF EDUCATION. *Constituent Members*: Univ. Dept. of Education; Bournemouth Coll. of Art; City of Portsmouth Training College; Avenue Training College, Southampton; Training College, Weymouth; King Alfred's College, Winchester. *Associated College*: Southern College of Art, Marsh Lane, Southampton. *Dir.*: Prof. F. W. Wagner, M.A. Oxon., B.Sc. Adel.; *Sec. and Dep. Dir.*: W. C. R. Hicks, B.A. Lond., Dr.Phil. Erlangen; *Librarian*: Joan V. Best, B.A. Brist.

PUBLICATION. *Calendar* (Sept.).

THE YEAR 1952–53

NEW BUILDING. Central Boilerhouse completed.

VISIT BY MEMBER OF STAFF FROM OTHER UNIVERSITY. Prof. M. Derruau (Clermont-Ferrand).

RETIREMENT. Miss F. M. Loader (Bot.).

RESIGNATIONS. Mrs. J. M. Benn (Adult Educn.).; Mrs. J. Gifford (Geog.); D. H. McPherson (Engin.), apptd. to industrial post; J. D. Ritchie (Engin.).

HONORARY DEGREES CONFERRED. *LL.D.*—His Grace the Duke of Wellington, installed as first Chancellor; Sir Samuel Gurney-Dixon, Pro-Chancellor and Chairman of Council; Sir Ivor Jennings, Vice-Chancellor of Univ. of Ceylon; Dame Lillian Penson, Prof. of Mod. Hist., Univ. of London (Bedford Coll.); K. H. Vickers, Principal of Univ. Coll., Southampton, 1922–46; Sir Robert S. Wood, first Vice-Chancellor; Dr. H. M. Wriston, Pres. of Brown University, Rhode Island.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	618	45
Women	315	13
Total	933	58*

Postgraduate students, 136 full-time ; 6 part-time.

New admissions, 329 full-time ; 39 part-time.

Students (full-time) from other countries : 45. (Countries from which largest numbers came : Nigeria, 8 ; Gold Coast, 4.)

DEGREES. *Arts* : B.A., 20 (So'ton.), 29 (Lond.) ; M.A., 1 (Lond.) ; *Econ.* : B.Com., 5 (Lond.) ; B.Sc. (Econ.), 28 (Lond.) ; *Engineering* : B.Sc. (Eng.), 32 (Lond.) ; M.Sc., 1 (So'ton.) ; Ph.D., 1 (So'ton.) ; *Sci.* : B.Sc., 59 (So'ton.), 37 (Lond.) ; M.Sc., 2 (So'ton.) ; Ph.D., 1 (So'ton.), 3 (Lond.) ; D.Sc., 1 (So'ton.). *Total number of first degrees awarded*, 79 (So'ton.), 131 (Lond.).

DIPLS. AND CERTS. Postgrad. Cert. in Educ., 74 ; Postgrad. Dipl. in Electronics, 16 ; Dipl. in Pub. Admin., 4 ; Cert. in Soc. Studies, 17 ; Health Visitors' Cert. of Royal Sanitary Inst., 11.

* Of these part-time numbers 31 men and 6 women only were in regular employment.

[*Information compiled as at* 14/6/54;
Staff list revised on 6/10/54.]

UNIVERSITY OF WALES*

Founded 1893

Postal Address: University Registry, Cathays Park, Cardiff, Wales.
Telephone: Cardiff 22656-7.

VISITOR—H.M. THE QUEEN.

CHANCELLOR—H.R.H. THE DUKE OF EDINBURGH, K.G., K.T., LL.D. Wales and Edin., F.R.S.

PRO-CHANCELLOR—The Rt. Hon. LORD HARLECH, K.G., G.C.M.G., D.C.L. Oxon., LL.D., F.S.A.

VICE-CHANCELLOR—for biennium ending Aug. 31, 1956, Principal Sir EMRYS EVANS, B.Litt. Oxon., M.A., University College of North Wales, Bangor.

WARDEN OF THE GUILD OF GRADUATES.—Professor Emeritus T. H. PARRY-WILLIAMS, D.Litt. Oxon., Ph.D. Freiburg, D.Litt.

DEAN OF DIVINITY—Professor AUBREY R. JOHNSON, Hon. D.D. Edin., Ph.D., F.B.A.

REGISTRAR—T. J. MORGAN, D.Litt., University Registry, Cathays Park, Cardiff.

SECRETARY TO THE COUNCIL—ELWYN DAVIES, M.Sc., Ph.D. Manc., M.A.

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY APPOINTMENTS BOARD. Sec., J. H. Lloyd, M.Sc. Birm., Univ. Registry, Cathays Park, Cardiff. (*Telephone*: Cardiff 22656.) UNIVERSITY SCHOOL OF EDUCN. Sec., A. Davies, B.A., Univ. Registry, Cathays Park, Cardiff. (*Telephone*: Cardiff 22656.) UNIVERSITY COUNCIL OF MUSIC. Chief Officer, J. M. Nicholas, Univ. Registry, Cathays Park, Cardiff. (*Telephone*: Cardiff 27066.) CHIEF MEDICAL OFFICER FOR STUDENT WELFARE. J. Grant, M.B., B.S. Lond. *Assts.*: R. A. N. Hitchens, M.B., B.Ch., D.P.H.; Edith McKnight, B.Sc., M.B., Ch.B., D.P.H. Glas., Inst. of Preventive Medicine, The Parade, Cardiff. (*Telephone*: Cardiff 29268.)

CONSTITUENT COLLEGES

UNIVERSITY COLLEGE OF WALES, ABERYSTWYTH: *see* p. 530.

UNIVERSITY COLLEGE OF NORTH WALES, BANGOR: *see* p. 537.

UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE, CARDIFF: *see* p. 543.

UNIVERSITY COLLEGE OF SWANSEA: *see* p. 550.

* Member of the Association of Universities of the British Commonwealth.

SCHOOL OF THE UNIVERSITY

THE WELSH NATIONAL SCHOOL OF MEDICINE : *see* p. 555.

ASSOCIATED THEOLOGICAL COLLEGES AND SCHOOLS OF THEOLOGY

UNITED THEOLOGICAL COLLEGE, ABERYSTWYTH. *Telephone* : Aberystwyth 281) : Principal—Rev. W. R. Williams, M.A. Oxon., Prof. of *Christian Doctrine and Ethics*. Other Profs. : Rev. B. Hall, M.A. Camb. and Durh., *Church Hist.* ; S. H. Hedley Perry, M.A. Camb., *Hebrew and O.T. Exegesis* ; Rev. S. Ifor Enoch, M.A. Camb., *New T. Greek* ; Rev. R. N. Williams, M.B.E., M.A. Camb., *Theism and Philos. of Religion and Hist. of Religions.*

BANGOR SCHOOL OF THEOLOGY (University College of North Wales, Bangor ; *Telephone* : Bangor 501). Rev. Principal J. Williams Hughes, M.A. Oxon., B.D. ; Rev. S. I. Buse, M.A., B.D., H. P. Owen, M.A. Oxon., *N.T. Greek* ; Rev. Prof. B. J. Roberts, M.A., D.D. ; D. R. Ap-Thomas, M.A. Oxon., B.D., Rev. C. F. Whitley, M.A., B.D., Ph.D. Dub., *Hebrew* ; Rev. Prof. R. T. Jones, D.Phil. Oxon., B.A., B.D. ; T. Richards, M.A., D.Litt. ; Prof. Emer. R. T. Jenkins, M.A. Camb., D.Litt. ; Rev. T. J. Morris, M.A. Oxon., *Ch. Hist.* ; Rev. Principal G. Bowyer, M.A., B.D., *Christ. Doct.* ; Prof. H. D. Lewis, B.Litt. Oxon., M.A. ; T. H. McPherson, M.A. N.Z., B.Phil. Oxon., *Philos. of Religion* ; Rev. D. W. Gundry, M.Th. Lond., *Hist. of Religions* ; Rev. Prof. T. E. Jones, M.A., B.D., *The Holy Script and Hebrew.*

BRECON, The Memorial Coll. (*Telephone* : Brecon 345). Principal—Rev. W. T. P. Davies, B.Litt. Oxon., Ph.D. Yale, B.A., *Ch. Hist.* Other Profs. : Rev. J. D. V. Lewis, M.A. Oxon., B.D., *Hebrew and Old T. Exegesis* ; Rev. I. Thomas, B.A., B.D., *New T. Greek and Exegesis* ; Rev. D. J. Davies, B.A., *Christian Doctrine and Ethics, Theism and Philos. of Religion.*

CARDIFF SCHOOL OF THEOLOGY (University College of S. Wales and Mon., Cathays Park, Cardiff ; *Telephone* : Cardiff 20781). Rev. Principal E. Roberts, M.A. Oxon., B.D., *Philos. of Religion, Philosophical Theism and Christian Doctrine and Ethics* ; Prof. L. J. D. Richardson, M.A. Dub. and Wales ; Rev. Prof. D. R. Griffiths, M.A. Oxon., B.D., M.Th. Lond., *New T. Greek and Exegesis* ; Prof. A. R. Johnson, Hon. D.D. Edin., Ph.D., F.B.A. ; Rev. E. R. Rowlands, M.A. ; Rev. E. T. Ryder, M.A. Oxon., B.D. Lond., *Old T. Hebrew and Semitics* ; Rev. Prof. D. M. Himbury, B.Litt. Oxon., B.A., B.D., *Church Hist.*

CARMARTHEN, The Presbyterian Coll. (The Parade, Carmarthen ; *Telephone* : Carmarthen 7157). Principal—Rev. J. D. Jones, B.A., B.D. Lectrs. : Rev. Prof. T. G. Davies, B.A., B.D., *Ch. Hist.* ; Rev. Prof. J. O. Stephens, M.A. Camb., B.D., *Christian Doctrine and Ethics and Theism and the Philos. of Religion* ; Rev. Prof. D. P. Roberts, M.A. Oxon., B.D., *New T. Greek* ; Rev. Prof. D. L. T. Evans, B.A., B.D., *Hebrew and Old T. Exegesis.*

GENERAL INFORMATION

The Univ. was founded by Charter, 1893. As the result of an enquiry held by a Royal Commission in 1916–18, a Supplemental Charter was granted to the Univ. in 1920, which introduced many changes, the most important being the establishment of a fourth constituent Coll. at Swansea, and the substitution of the Academic Bd., composed of representatives of all the Univ. Facs., for the former Univ. Senate which had been made up of all

the Hds. of the teaching depts. in the three constituent Colls. A further Supplemental Charter was granted in 1932 providing *inter alia* for the institution of the Welsh National School of Medicine as a School of the Univ., and for the recognition of Schools of Theology at the Collegiate centres. The teaching for initial degrees is undertaken by the constituent and associated Colleges and by the Welsh National School of Medicine, and matriculation in the Univ. is open only to students of those institutions; in the case of an associated Theological College, only to students who are graduates of an approved University. The Technical College, Cardiff, is associated for the purpose of providing courses of study for the degrees of B.Pharm. and B.Arch. The Univ. prescribes conditions under which it awards initial degrees to students of the Colleges and of the School of Med. and conducts the final examns. An Academic Advisory Committee deals with the conditions on which School-Leaving certificates are accepted by the Univ. for matriculation, and with other matters lying in the borderland between School and Univ.

GRANT INCOME (1952–53), £1,021,358 (Treasury 93·3 per cent.; County Councils and County Borough Councils, 6·7 per cent.).

FACULTIES. Arts and Science (consisting of the respective Coll. teaching Faculties of Arts and Science); Architecture; Education; Law; Music; Rural Science; Technology; Theology; Medicine (the Senate of the Welsh Natl. Sch. of Med.).

ADMISSION. *See* Appendix I.

DEGREES. B.A.; B.Sc.; B.Mus.; LL.B.; B.Pharm., M.B., B.Ch.; B.Arch. For the degree in Med., the period of qualification is 5 yrs. 2 terms, of which the last 3 yrs. may be spent in an approved School of Med. The period of qualification for the degree of B.Arch. is 6 yrs. The first year of study is pursued in one of the constituent Colleges of the University and the remainder in the Cardiff Technical College. For the other first degrees, 3 yrs. of study are required. Study for an Honours degree in Arts, Science, Music or Law ordinarily covers 3 yrs.

HIGHER DEGREES. M.A., D.Litt.; M.Sc., D.Sc.; M.Mus., D.Mus.; LL.M., LL.D.; M.D., M.Ch., M.Pharm.; B.D., D.D.; Ph.D. (in Arts, Science, Law, Medicine). For the degree of B.D. (3 yrs.' course), study is pursued in one of the Associated Theol. Colls. or at the Schools of Theol. of the University Coll. of N. Wales, Bangor, and the University Coll. of S. Wales and Monmouthshire, Cardiff. The M.A., M.Sc. and LL.M. may be awarded to graduates of other Univs. approved for this purpose who pursue a scheme of research for at least 2 yrs. in one of the constituent Colls. As regards Ph.D., *see* p. 24.

DIPLOMAS. Education, 1 yr. postgraduate; D.P.H., 12 mos., subsequent to qualification for C.P.H.; Tuberculous Diseases (T.D.D.), 2 yrs. subsequent to attainment of registrable qualification (including 12 mos.' resident appointment in Tuberculosis Hosp. and attendance at approved courses of instruction); Agricultural Science or Forestry, at least 1 yr. for graduates and others with equivalent qualifications; Theology, 3 yrs.

CERTIFICATE. Pub. Health (C.P.H.), full-time for one term, subsequent to attainment of registrable qualification.

FEES: Matricn., £3; examns. qualifying for Bachelor degree, from £6: 15s.; Master, £8; Ph.D., £12: higher Doctorates, £20. *See* separate Colleges for tuition fees.

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II. Details of other postgraduate awards are given in the Univ. *Calendar*.

The GUILD OF GRADUATES consists of the Graduates and Honorary Graduates of the University. Periodical meetings are held. Its officers are the Warden, the Clerk and the Treasurer. Address for communications: University Registry, Cathays Park, Cardiff.

The UNIVERSITY SCHOOL OF EDUCATION (University Registry, Cardiff; *Telephone*: Cardiff 22656), which is an area training organization, came into being in 1949 and superseded the University Board for Training Colleges. It is charged with the duty of surveying the general educational needs of Wales and Monmouthshire in regard to the education and professional training of teachers, and of co-ordinating developments and directing long-term policy, so as to formulate a comprehensive system for the training of teachers in the area. The organization comprises the University Education Board, the University Faculty of Education, and the four Collegiate Faculties of Education at Aberystwyth, Bangor, Cardiff and Swansea.

UNIVERSITY EXTENSION BOARD (University Registry, Cardiff; *Telephone*: Cardiff 22656) co-ordinates and reviews the extra-mural work of the constituent Colls. Details under Colls.

BOARD OF CELTIC STUDIES (University Registry, Cardiff; *Telephone*: Cardiff 22656) organizes, and publishes results of research into the hist., lang., lit., laws, customs, archæol., art and instns. of the Celtic peoples. Publications: *Bulletin* half-yearly; *Llen Cymru* (a journal of literary research) half-yearly.

The UNIVERSITY APPOINTMENTS BOARD (University Registry, Cardiff; *Telephone*: Cardiff 22656) is concerned with appointments of all kinds.

1952–53, 747 appointments (men, 577, women, 170), including: Educational, 237; Industrial, etc., 321; vacation posts, 189.

PUBLICATIONS. *Calendar* (Oct.), 10s. post free. Courses in Div. and in Mus., and Matricn. and Degree Regns., free. Degree Examn. Papers: Arts, 6s., Science, 5s., Medicine, 1s. 6d., Theology, 1s. 6d. *Bulletin* of Board of Celtic Studies, 7s. 6d. per part (5s. to subscribers). Publns. of the Council of Music. Accounts of the early history of the Univ. are found in *The University of Wales*, by W. Cadwaladr Davies and W. Lewis Jones (F. E. Robinson & Co., 1915), and *The University of Wales: A Historical Sketch*, by D. Emrys Evans (Univ. of Wales Press, 1953). The introduction to the Report of the Royal Commission on Univ. Education in Wales, 1918, 1s., contains a valuable summary of the history of the University up to 1918.

UNIVERSITY PRESS. Established by Charter, 1922. Main field of interest: books in Welsh and works of research relating to Wales. Offices: University Registry, Cathays Park, Cardiff; *Telephone*: Cardiff 22656.

THE YEAR 1952–53

NEW DEPARTMENTS AND POSTS. Approval given to establishment of Chairs of German and Music at U.C. of N. Wales, Bangor, in place of the existing Ind. Lectureships. First Dept. of Spanish in the Univ. set up at U.C., Cardiff, with a Prof. as its head. Detailed consideration given to the future of engin. studies in the Univ., one development being establishment of Chair of Elect. Engin. at Cardiff. Approval given for Chair of Obstet. and Gynæcol. at Welsh National Sch. of Med. to be converted from a pt.-time to a full-time appt.

HONORARY DEGREES. July 1953 Congregation: *M.A.*—R. E. Griffith; L. Webb. *D.Litt.*—J. V. Scholderer. *LL.D.*—Lord Aberdare; L. W.

Brockington ; G. Crawshay ; Sir Charles Woolley ; E. D. Adrian ; Sir W. Russell Brain ; Sir W. Wilson Jameson ; Prof. R. F. Loeb ; P. T. J. O'Farrell ; Prof. W. G. Penfield ; Sir Clement Price-Thomas ; Prof. A. Wallgren.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	3287	91
Women	1334	52
Total	4621	143

Postgraduate students, 226.

First-year admissions, 1180.

Students (full-time) from other countries, 164. (Countries from which largest numbers came : India, 27 ; Federation of Malaya, 13 ; Iraq, 12 ; Nigeria, 10, Kenya, 9 ; Gold Coast, 7.)

DEGREES. B.Arch., 3 ; B.A., 440 ; M.A., 40 ; D.Litt., 1 ; LL.B., 23 ; LL.M., nil ; B.Pharm., 20 ; M.Pharm., nil ; M.B., B.Ch., 55 ; M.D., nil ; M.Ch., 1 ; B.Mus., 7 ; M.Mus., nil ; D.Mus., nil ; B.Sc., 465 ; M.Sc., 29 ; D.Sc., 4 ; B.D., 6 ; D.D., 1 ; Ph.D., 48.

DIPLOMAS. Agric. Sci., 1 ; Educn., 352 ; Pub. Health, 4 ; Theol., 13 ; Tuberc. Dis., 16.

CERTIFICATES. Public Health, 3.

[*Information compiled as at* 1/6/54;
Staff list revised on 20/10/54.]

UNIVERSITY COLLEGE OF WALES, ABERYSTWYTH

Founded 1872

Telephone: Aberystwyth 346, 347, 348.

PRESIDENT OF THE COURT OF GOVERNORS AND OF THE COUNCIL—SIR DAVID HUGHES PARRY, M.A. Camb., D.C.L. McG., LL.D. Br. Col., New Br., Wales and W. Ont.

VICE-PRESIDENTS—The Rt. Hon. THE EARL OF LISBURNE, IVOR EVANS, M.A. Oxon.

TREASURER—JENKIN ALBAN DAVIES.

PRINCIPAL—GORONWY REES, M.A. Oxon.

REGISTRAR—T. MAELGWYN DAVIES, M.A.

LIBRARIAN—A. AP GWYNN, M.A.

TEACHING STAFF

Agriculture, v. *infra*

Anthropology, v. Geography

Arts and Crafts, v. Education

Botany

Newton, Mrs. Lily, D.Sc., Ph.D. Brist., F.L.S. Prof.
Carter, P. W., M.Sc. Sr. Lectr.
Wilson, Irene M., M.Sc., Ph.D. Lond. Sr. Lectr.
Chater, E. H., B.Sc. Lond., M.Sc., F.L.S. Lectr.
Jones, H., M.Sc., Ph.D. Lectr.

Chemistry

Davies, C. W., D.Sc., F.R.I.C. Prof.

Lecturers

Davies, M. M., Ph.D. Camb., M.Sc.
Bowen, J. B., B.Sc.
Monk, C., D.Sc., Ph.D. Lond.
Graham, S. H., B.Sc., Ph.D. Glas.
Morrison, G. A., M.A., D.Phil. Oxon. (Biochem.).
Williams, A. J. S., B.Sc.

Classics, v. Greek and Latin

Economics and Pol. Science, v. also Politics, International

Beacham, A., M.A. Liv., Ph.D. Belf., B.A. Prof.
George, P., M.A. Camb., M.Sc. (Stats. and Econometrics) Sr. Lectr.

Lecturers

Morris, J. H., M.Sc. (Econ.) Lond.
Guenault, P. H., M.A. Sheff.
Harbury, C. D., B.Com. Lond.
Nevin, E. T., Ph.D. Camb., M.A.
Hart, P. E., B.Sc. Lond.

Education (incl. Art and Crafts)

Jones, Idwal, M.A. Prof.
Jones, Gwenan, Ph.D. Minn., M.A. Sr. Lectr. and Mistress of Method.

Lecturers

Creed, Rachel M., M.A. Oxon.
Lewis, W. J., M.Sc. Lond.
Trott, A. L., M.Ed. Durh., M.A.
Morrison, J. R., M.A., B.Sc. Glas., B.Ed. Edin.
Clement, Mary M., M.A., Ph.D.

Saer, Hywela A., Ph.D. Lond., B.A.
(Advisory Officer in the Fac. of Educn.).
Gapper, R. L., B.Sc. (Art and Crafts)
Lectr. and Curator of Museum
Nisbet, S. Instr.
Davies, Miss Gwenhwyfar Pt.-time Asst.

English Lang. and Lit.

Jones, G., M.A. Rendel Prof.

Lecturers

Earnshaw, J., M.A. Manc.
Nosworthy, J. M., M.A. R'dg.
Price, C. J. L., M.A., Ph.D.
Slay, D., M.A. Oxon.
Kinlock, A. M., M.A. St. And. Asst. Lectr.

French Lang. and Lit. and Romance Philol.

Briggs, E. R., M.A., Ph.D. Camb. Prof.
Phillips, Eva M., D. de l'U. Paris, M.A. Sr. Lectr.
Williams, J. Killa, T.D., M.A. Lectr.
Taylor, O. R., M.A. Lectr.
Niord, Yvonne G. R., L. ès L. Paris, M.A. Asst. Lectr.

Geography and Anthropology

Bowen, E. G., M.A. Gregynog Prof.

Lecturers

Fogg, W., M.A. Manc.
Watson, E., M.A. Belf.
Thomas, J. G., M.A.
Howe, G. M., M.Sc.
Carter, H., M.A.
Yates, R. A., M.Sc. Brist.
Taylor, J. A., M.A. Liv.

Geology

Wood, A., D.Sc., Ph.D. Liv. Prof.

Senior Lecturers

Challinor, J., M.A. Camb.
Platt, J. I., M.Sc. Manc.
Kirk, Nancy H., B.A., Ph.D. Camb. Asst. Lectr.

German and Germanic Philol.

Magill, C. P., M.A. Camb., Ph.D. Lond. Prof.
Schlegelmilch, W. Lektor.
Robinson, A. R., B.A. Lond., Ph.D. Edin. Lectr.

Greek and Latin

Davies, W. H., M.A. Prof. of Classics.
Duff, A. M., M.A., B.Litt. Oxon. Sr. Lectr.

Lecturers

Hudson-Williams, A., M.Litt. Camb., B.A.
Wild, L. N., B.A. Oxon., M.A. Sheff.
Rees, B. R., M.A. Oxon.

History

Treharne, R. F., M.A., Ph.D. Manc. Prof.
Johnston, S. H. F., M.A., B.Litt. Oxon. Sr. Lectr.

Lecturers

Sanders, I. J., D.Phil. Oxon., M.A.
Davies, A., M.A.
Fryde, E. B., M.A., D.Phil. Oxon.
Conway, A. A., M.A. Lond.

History, Colonial, v. Politics, International

History, Welsh

Williams, D., A.M. Col., M.A. Sir John Williams Prof.
Pierce, T. J., M.A. Liv. Res. Prof. (Mediæval).

Law, English

Davies, D. J. Ll., M.A. Camb., LL.B. Prof.

Lecturers

Dunbar, N. C. H., LL.M. Sheff.
Wilson, J. F., M.A. Oxon.
Chloros, A. G., B.A. Oxon. Asst. Lectr.

Simmonds, K. R., B.A. Oxon. Asst. Lectr.

Logic and Philosophy

Aaron, R. I., D.Phil. Oxon., M.A. Prof.
Davies, D., Ph.D. Glas., M.A. Sr. Lectr.
Spilsbury, R. J., M.A. Oxon. Lectr.
Smart, R. N., B.A., B.Phil. Oxon. Asst. Lectr.

Mathematics, Applied

Kynch, G. J., B.Sc., Ph.D. Lond., A.R.C.S., D.I.C. Prof.
Easthope, C. E., Ph.D. Camb., M.Sc. Lectr.
Robinson, I., M.A. Camb. Lectr.

Mathematics, Pure

Morton, V. C., M.A. Oxon. Prof.
Meyler, Dorothy S., M.Sc. Lectr.
..... Asst. Lectr.

Music

Parrott, H. I., M.A., D.Mus. Oxon., F.T.C.L. Gregynog Prof.
Clements, C., B.Mus., F.R.C.O. Lectr.
Clapham, J., D.Mus. Lond. Lectr.

Executants and Teachers

Allen, W. R. (Singing).
Jeremy, R., F.R.A.M. (Viola).
Bor, E. (Violin).

Philosophy, v. Logic

Physics

Davies, R. M., Ph.D. Camb., D.Sc., F.I.P. Prof.
Jones, I. C., M.Sc., F.I.P. Sr. Lectr.

Lecturers

Richards, D. A., M.Sc. Lond., A.R.C.S., D.I.C.
Job, E. M., B.Sc.
Jones, W. M., D.Phil. Oxon., B.Sc.
Trevena, D. H., B.Sc., Ph.D. Asst. Lectr.

Politics, International

Reynolds, P. A., M.A. Oxon. Wilson Prof.
John, I. G., M.Sc. Lond., B.A. (I. Pol. and Col. Hist.) Lectr.

Welsh Lang. and Lit.

Jones, T., M.A. Prof.
Jones, D. J. Gwenallt, M.A. (Mod. Welsh Lit.) Sr. Lectr.
Hughes, G. H., M.A. Lectr.
Watkins, T. A., M.A. Asst. Lectr.
Bowen, D. J., M.A. Asst. Lectr.

Zoology

Stephenson, T. A., D.Sc., F.R.S. Prof.

Senior Lecturers

Watkin, E. E., D.Sc., Ph.D.
Rees, Florence G., D.Sc., Ph.D.

Lecturers

Jones, J. R. E., D.Sc., Ph.D.
Healey, E. G., Ph.D. Lond., Dr.phil. Munich.

Agriculture and Rural Economy

Agricultural Botany

Thomas, P. T., B.Sc., Ph.D. Prof.
Griffiths, E., M.Sc. Lectr.
Durrant, A., B.Sc. Durh., Ph.D. Birm. Asst. Lectr.

Agricultural Chemistry

Davies, R. O., M.Sc., F.R.I.C. Prof.
Ashton, W. M., B.Sc., Ph.D., F.R.I.C. Sr. Lectr.
Jenkins, W. Ll., M.Sc. Lectr.

Agricultural Economics

Nash, E. F., M.A. Oxon. Prof. and Adviser.
Attwood, E. A., B.A. Camb. Asst. Lectr.

Senior Agric. Economists

Phillips, J. R. E., M.A.
Jawetz, M. B., B.Comm. Vienna.
Evans, D. H., M.Sc. Nott., B.Sc.

Agricultural Economist
Jawetz, Mrs. M. B., B.Sc.

Asst. Agric. Economists
Jones, W. D., B.Sc.
Johnson, Eira, B.A. Lond.
Dummer, M. H., B.A.
Williams, E., B.A.

Agric. Zoology, v. Zool., *supra*

Agriculture (*Animal Husbandry*)
Nichols, J. E., M.Sc. Durh., Ph.D. Edin. Milford Prof.
Phillips, R., M.Sc. Asst. Dir. of Res.
Lees, J. L., B.Sc. R'dg. Asst. Lectr.

Agriculture (*Crop Husbandry*)
Ellison, W., B.Sc., Ph.D. Durh. Prof.
Henderson, J. L., B.Sc. Edin., Ph.D. Lectr.
Edwards, R. S., B.Sc. Asst. Lectr.

Dairying
Lewis, J., M.Sc. Dir. of Dairy.
Gregory, Margaret, B.Sc. R'dg. (Dairy Bacteriol.) Lectr.
Allison, Miss C. J. M., B.Sc. R'dg. Demr.

Welsh Plant-Breeding Station

Plas Gogerddan, Bow Street, Nr. Aberystwyth, Cards.

Jones, E. T., M.Sc. Dir.

Research Officers i/c Investigations
Evans, G., M.Sc.
Jones, Ll. I., B.Sc.
Beddows, A. R., M.Sc.
Griffiths, D. J., M.Sc.
Davies, W. E., B.Sc.

Research Officers
Milton, W. E. J., M.Sc.
Phillips, Ll., B.Sc.
Roberts, H. M., B.Sc.
Hughes, R., M.Sc.
Lewis, J., B.Sc.
Davies, I., B.Sc.
Jones, K., B.Sc.
Troughton, A., M.Sc. Durh.
Carr, A. J. H., B.Sc. Lond.
Evans, Alice M., B.Sc.
Holden, J. H. W., B.Sc.
Charles, A. H., B.Sc.
Cocks, Betty, B.Sc. Lond., Ph.D. Birm.
Borrill, M., B.Sc. Lond.
ap Griffith, G., B.Sc., Ph.D. Chemist.

University Extension

Rees, A. D., M.A.
Dir. of Extra-Mural Studies.

Staff Tutors
Lewis, D. H., B.A.
Thomas, B., M.A.

Residential Tutors
Anthony-Jones, W. J., M.A.
Davies, J., M.A.
Jenkins, D., M.Sc.
77 Tutors.

ADMINISTRATIVE AND OTHER STAFF

Lectr. and Coll. Adviser in Physical Trng.: H. Williams, B.A., Dip. in Physical Education Lond. Instructress in Physical Trng.: Hazel A. Berndt, B.A. Birm. Wardens of Halls of Residence: L. Powys Roberts, M.A. Oxon. (Alexandra Hall); Mrs. G. Morgan Jones, B.A. (Carpenter Hall); J. N. Ball, M.A., Ph.D. Camb. (Pantycelyn Hall); A. R. Robinson, B.A. Lond., Ph.D. Edin (Plynlymon Hall); H. A. Saer, Ph.D. Lond., B.A. (Ceredigion Hall). Appts. Officers: W. M. Ashton, B.Sc., Ph.D., F.R.I.C.; J. K. Williams, T. D., M.A. Supervisor of Men's Lodgings: J. I. Platt, M.Sc. Manc.

GENERAL INFORMATION

Founded in 1872, the College was incorporated by Royal Charter in 1889, and is a constituent College of the Univ. of Wales. Its main building and most Halls of Residence are on the sea front, facing Cardigan Bay. Pantycelyn Hall is situated on Penglais Hill, the future site of the Coll.

FACULTIES AND DEANS. *Arts*, S. H. F. Johnston (Hist.); *Education*, Prof. Idwal Jones; *Law*, Prof. D. J. Ll. Davies; *Music*, Prof. H. I! Parrott; *Science and Rural Science*, D. A. Richards (Phys.).

LIBRARIES. College, 115,000 vols. and 13,500 pamphlets. Access to the National Library of Wales; founded in 1907; since 1912 entitled, under the Copyright Act, to a copy of every book published in Gt. Britain and Ireland; contains over 1,000,000 printed works (books, pamphlets, newspapers, journals), 25,000 manuscript vols., and about 3,500,000 deeds and other documents, together with a very large collection of maps, prints and drawings. It has a general reference library which specializes also in printed books, manuscripts and graphic material relating to Wales and the other Celtic countries.

MUSEUMS AND LABORATORIES. Archæol., Bot., Chem., Ethnog., Geog., Geol., Zool., Gallery of Arts and Crafts. Agric. Expl. and Plant-Breeding Stations, College Farm and Botanical Gardens on Penglais.

ADMISSION. Those wishing to read in the College for a degree (awarded by the University of Wales) must satisfy the University admission requirements. *See* Appendix I.

DEGREE AND DIPLOMA COURSES. Courses in Arts, Science, Rural Sci., Law, Music, for Degrees of the Univ. of Wales and for University Diplomas in Agricultural Science and Education.

College Diploma courses: Anthropology, 2 yrs.; Bilingual Studies, 1 yr.; Dairying, 2 yrs.; Geography, 1 yr.; Biology, 1 yr.; Art, 2 yrs.; Handicraft, 2 yrs.

Courses in Science meet the requirements of the first year of Medical study, the examns. of the Pharmaceutical Society and other bodies.

POSTGRADUATE STUDY. Courses (1 yr.) for Teachers, in Agric., and in Dairying.

RESEARCH work for higher degrees of the Univ. is systematically carried on in all Depts. Special facilities in Internat. Politics, Agric., Animal Health, Biochem., Bilingual Educn. and Plant Breeding.

ANNUAL FEES for tuition in Arts, £30; Science, £35; Research students, 10 to 20 gs.; Registration, £1 : 1s.

UNIVERSITY EXTENSION. Extra-Mural classes in many subjects.

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II. *Travelling Grants* for visiting Continental institutions, total, £380. Grant varies according to expenses incurred.

APPOINTMENTS BOARD. *See* p. 528. There are two Appointments Officers (Arts and Science) in the College (for Officers *see* "Administrative and other Staff," p. 533).

OLD STUDENTS' ASSOCIATION. Open to graduate and non-graduate old students of the College.

RESIDENCE. (For Wardens *see* "Administrative and other Staff," p. 533.) Women: Alexandra Hall (*Telephone*: 415), Carpenter Hall (*Telephone*: 516) and Ceredigion Hall (*Telephone*: 7159), accommodating 170, 55 and 67 students respectively. Men: Pantycelyn Hall (*Telephone*: 642) and Plynlymon Hall

(*Telephone*: 7137), accommodating 122 and 71 students respectively. Fees: £115 per session. All enquiries should be addressed to the Registrar. Men students not residing in hall live in approved lodgings, list obtainable from Supervisor of Men's Lodgings.

AFFILIATION. The Coll. is recognized by Oxon. and Camb., and by Edin. and N.U.I., by certain of the medical examining bodies, by the Royal College of Veterinary Surgeons and by the Royal Institute of Chemistry.

STUDENT WELFARE. Every effort is made to foster the welfare of students by the encouragement of athletic and social activities. Playing fields with a running track, gymnasium and a swimming bath at Penglais, together with a club room and a refectory, are set apart for the use of students. A dining club has been organized for men students. The Coll. takes a full part in the Student Welfare Scheme of the Univ. of Wales (*see under* Welsh National School of Medicine, p. 555), and Med. Officers visit the Coll. each term. X-ray of the chest is compulsory for all students entering the Coll.

PUBLICATIONS. *Prospectus* (May); *Reports* (Oct.), 1s. 2d., post free; Students' Magazine, *The Dragon*; Inaugural Lectures.

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. Rt. Hon. Lord Milford, £1200 to Dept. of Agric. (Animal Husbandry); late W. J. Roberts, £2500 towards Scholp. Fund; Anon., £1000 for Geol. Studies.

NEW BUILDINGS. New Dormitory Wing of Pantycelyn Hall of Residence completed, providing accom. for an extra 50 men students.

EXTRA-MURAL WORK. Classes held at 142 centres (43 Tutorial Classes, 23 Sessional Classes, 49 Terminal Courses, 27 Short Courses, 3 One-day Schools, 3 Week-end Schools, 1 Four-day Conference).

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. H. S. Bennett, Emm. Coll., Camb., Gregynog Lectures (4) on "English Life and Literature in the Fifteenth Century"; the Very Rev. Principal J. Baillie, Edin., Sir D. Owen Evans Lectures (5) on "The Idea of Revelation in the Light of Recent Discussion"; Prof. J. H. Delargy, Dub., lectures on "Gaelic Storytellers and the Work of the Irish Folk-Lore Commission"; Prof. K. H. Jackson, Edin., "Some New Light on the Dark Ages in British History"; R. F. Harrod, Oxon., "Britain's Dollar Problem"; Dr. A. Roberts, Manc., "Arts and Science Graduates in Non-Technical Posts in Industry"; Prof. D. A. Binchy, Dub. Inst. for Advanced Studies, "The Archaic Element in Early Welsh Law".

RETIREMENT. A. Pinsent (Educn.).

RESIGNATIONS. R. D. A. Crafter (French); E. T. Nevin (Econ.); C. F. Hughes (Econ.); G. R. Evans (Phys.), apptd. to Edin. Univ.

DEATH. Dr. D. R. Williams (Sr. Lectr. in Pure Maths., 1928–53).

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	748	..
Women	323	2
Total	1071	2

Postgraduate students, 192.
First-year admissions, 334.
Students (full-time) from other countries, 30. (Countries from which largest numbers came : British E. Africa, 8 ; Federation of Malaya, 6.)
Extra-mural students, 2349 (1333 men ; 1016 women).

DEGREES AWARDED (by Univ. of Wales). B.A., 93 ; B.Sc., 72 ; B.Sc. (Rural Sci.), 27 ; LL.B., 22 ; M.A., 14 ; M.Sc., 7 ; Ph.D., 9 ; LL.M., 1.

DIPLOMAS. Art, 1 ; Educn., 115 ; Dairying, 14.

CERTIFICATES. Dairying, 6 ; Educn., 4 ; Bibl. Studies, 48.

[*Information compiled as at* 14/6/54 ;
Staff list revised on 8/10/54.]

UNIVERSITY COLLEGE OF NORTH WALES, BANGOR

Founded 1884

Telephone (Registrar) : Bangor 501.

PRESIDENT—The Rt. Hon. LORD KENYON, D.L.

CHAIRMAN OF THE COUNCIL—The Rt. Hon. LORD KENYON, D.L.

PRINCIPAL—Sir EMRYS EVANS, B.Litt. Oxon., M.A.

SECRETARY AND REGISTRAR—KENNETH LAWRENCE, B.Sc.

LIBRARIAN—E. G. JONES, M.A.

TEACHING STAFF

Agriculture, v. *infra*

Botany

Richards, P. W., M.A., Sc.D. Camb. Prof.
Thoday, D., M.A., Sc.D. Camb., F.R.S. Prof. Emeritus.
Woodhead, N., M.Sc. Manc. Sr. Lectr.

Lecturers

Jackson, G. A. D., B.Sc., Ph.D. Durh.
Lacey, W. S., B.Sc. R'dg.
Greig-Smith, P., M.A. Camb.
Tweed, R. D.
Hon. Keeper of Herbarium

Chemistry

Peat, S., D.Sc. Birm., F.R.S. Prof.
Angus, W. Rogie, M.A., D.Sc. Aberd., Ph.D. Lond., F.R.I.C. (Physical C.) Sr. Lectr.
Whelan, W. J., Ph.D. Birm. Sr. Lectr.

Lecturers

Holmes, F., B.Sc. Lond.
McKail, J. E., B.Sc., Ph.D. Edin.
Turton, Lilian M., B.Sc., Ph.D. Birm.
Turvey, J. R., B.Sc. Asst. Lectr.

Classics

Wycherley, R. E., M.A. Camb. (Gk.) Prof.
Clarke, M. L., M.A. Camb. (Lat.) Prof.
Hudson-Williams, T., M.A., D.Lit. Lond. (Gk.) Prof. Emeritus.
Thomson, H. J., M.A. Oxon., D.Litt. St. And. (Lat.) Prof. Emeritus.

Lecturers

Browne, R. A., Ph.D. Camb., M.A.
Pollard, J. R. T., M.A. Lond., B.Litt. Oxon.
Fitton-Brown, A. D., M.A. Camb.
Sealey, B. R. I., M.A. Oxon. Asst. Lectr.

Economics

Black, D., M.A., Ph.D. Glas. Prof.

Lecturers

Scammell, W. M., B.Com. Belf.
Gray, M., M.A. Aberd.
Jones, S., B.A.
Smith, G. P., B.A. Camb. Asst. Lectr.

Education

Jenkins, D. W. T., M.A. Oxon. Prof.

Rogers, J., Ph.D. Sr. Lectr.
Lewis, Mrs. Hywel D., M.A. Lectr. and Tutor of Women Students.
Alexander, Marjorie B. Lectr.
Williams, I., B.Sc. Lectr.
Clegg, F. E., M.A. Camb. Lectr.
Jones, W. R., M.A. Lectr.
Tibbitts, E. L., B.A. Lond. Lectr.
Jones, David Instr. in Rural Sci.
Glen, Margaret (Pt.-time) P.T. Instr. for Women.

English Lang. and Lit.

Danby, J. F., M.A. Camb. Prof.
King, R. W., M.A. Lond. Sr. Lectr.

Lecturers

Owen, W. J. B., M.A. N.Z. and Oxon.
Bradbrook, F. W., M.A. Camb.
Rigby, Marjorie M., M.A. Glas., B.Litt. Oxon. Asst. Lectr.

Forestry

Mobbs, E. C., O.B.E., M.A. Camb., B.Sc. Lond. Prof.
Thomson, T., M.Sc. Prof. Emeritus.
Dobbs, C. G., Ph.D. Lond. (Forest Bot.) Sr. Lectr.

Lecturers

Owen, T. H., B.Sc.
Sutherland, J. W. R., B.Sc. Edin.
Kinloch, D., B.Sc. Edin.
Huggard, E. R., B.A., B.A.I. Dub.

French and Romance Philology

Alexander, I. W., M.A., D.Litt. Edin. Prof.
Watkins, J. H., M.A. Sr. Lectr.

Lecturers

Barber, W. H., M.A., D.Phil. Oxon.
Grimsley, R., M.A., D.Phil. Oxon.
Cariou, Hélène Lectrice.

German and Teutonic Philology

Spalding, K., M.A., Ph.D. Birm. Prof.
Stuart, Mrs. Hannah S. M., B.A., Ph.D. Lond. Lectr.
Parry, I. F., M.A. Lectr.

Hebrew and Biblical History and Literature

Roberts, Rev. B. J., M.A., D.D. Prof.

Lecturers

Ap-Thomas, D. R., M.A. Oxon., B.D. Lond., B.A.
Buse, Rev. I., M.A., B.D.

Assistant Lecturers

Owen, Rev. H. P., M.A. Oxon.
Whitley, Rev. C. F., M.A., B.D., Ph.D. Dub.

History, v. also Theol.

Dodd, A. H., M.A. Oxon. Prof.
Thomas, J. Alun, Ph.D. Lond., M.A. Sr. Lectr.
Denholm-Young, N., M.A. Oxon. Sr. Lectr.

Lecturers

Cooke, M. E., M.A. Oxon., LL.B. Birm.
Lewis, R. A., B.A., Ph.D. Birm.
Usher, G. A., B.A.

History, Welsh

Roberts, G., M.A. Prof.
Jenkins, R. T., M.A., D.Litt. Camb., B.A., F.S.A. Prof. Emeritus.

Logic and Philosophy, v. also Theol.

Lewis, H. D., B.Litt. Oxon., M.A. Prof.

Lecturers

Jones, H. Morris, B.Litt. Oxon., B.A.
Thomas, L. E., M.A.
Miles, T. R., M.A. Oxon.
McPherson, T. H., M.A. N.Z., B.Phil. Oxon.

Mathematics

Littlewood, D. E., M.A. Camb. Prof.

Phillips, E. G., M.A. Camb., M.Sc. Manc. Sr. Lectr.
Newing, R. A., B.Sc., Ph.D. Lond. Sr. Lectr.
Barker, C. C. H., M.Sc. Lond. Lectr.
Chambers, L. G., M.Sc. Asst. Lectr.

Music

Williams, D. E. Parry, D.Mus., B.Sc. Prof.
Davies, E. T., F.R.C.O. Dir. Emeritus.
Smith, R. C., M.Mus. Lectr.
3 Executants and Teachers.

Philosophy, v. Logic and Theol.

Physics

Andrew, E. R., M.A., Ph.D. Camb. Prof. and Admin. Hd.
..... (Appl. Electricity) Prof.
Wright, P., Ph.D. Wales and Camb., F.I.P. (Phys.) Sr. Lectr.
Morris, D. G. O., B.Sc. (Appl. Electricity) Sr. Lectr.

Lecturers in Physics

Morris, D. P., B.Sc., Ph.D.
Parker, R., B.Sc. Brist., Ph.D. Nott.
Eades, R. G., Ph.D. St. And.

Lecturer in Appl. Electricity

Jones, D. C., B.Sc.

Theology, v. also Hebrew and Bibl. Hist. and Lit.

Special Lecturers

Jones, Rev. Prof. R. T., B.Phil. Oxon., B.A., B.D.
Ap-Thomas, D. R., M.A. Oxon., B.D. Lond., B.A. (Old Test. and Semitics).
Lewis, Prof. H. D., M.A., B.Litt. Oxon. (Theism and Philos. of Relig.).
Bowyer, Rev. Principal G., B.A., B.D. (Christian Doctrine).
Hughes, Rev. Princ. J. Williams, M.A., B.D. (New Test.).
Richards, T., M.A., D.Litt. (Church Hist.).
Jones, Rev. Prof. T. E., M.A., B.D. (Holy Scriptures).
Jenkins, Prof. R. T., M.A., D.Litt., F.S.A. (Church Hist.).
Gundry, Rev. D. W., M.Th. Lond. (Hist. of Religions).

Welsh

Williams, J. E. C., M.A., B.D. Prof.
Williams, Sir Ifor, M.A., D.Litt., F.B.A., F.S.A. Prof. Emeritus.
Roberts, Enid P., M.A. Lectr.
Rees, B., M.A. Lectr.
Jones, J. G., M.A. Lectr.

Zoology

Brambell, F. W. R, B.A., Ph.D. Dub., D.Sc. Lond., F.R.S. Prof.
Jackson, L. H., B.Sc. Lond. Sr. Lectr.
Reynoldson, T. B., D.Sc. Leeds Sr. Lectr.
Jones, C. Burdon, B.Sc., Ph.D. Lectr.
Jones, W. C., M.A., Ph.D. Camb. Lectr.
Hemmings, W. A., B.A. Oxon. Res. Asst.

Agriculture

Roberts, E. J., M.A. Camb., M.Sc. Prof.
Davies, G. M., B.Sc. Sr. Lectr.
Williams, G. L., B.Sc. Lectr.

Agric. Botany

Roberts, R. Alun, B.Sc., Ph.D. Prof.

Lecturers

Parry, D. W., M.Sc.
Mence, Margaret J., M.A. Camb.
Bradshaw, A., M.A. Camb.

Whitehead, T., O.B.E., M.Sc., Ph.D. Hon. Lectr.

Agric. Chemistry

Evans, W. C., Ph.D. Manc., M.Sc., F.R.I.C. Prof.

Lecturers

Evans, R. A., M.Sc.
Davies, R. I., M.Sc. Liv.
Smithson, F., D.Sc. Lond., F.G.S.
Thomas, A. J., M.A. Camb.

Agric. Zoology

Hobart, J., B.Sc. Lond. Lectr.
Ind, Marjorie D., Ph.D. Leeds Asst. Lectr.

Marine Biology

Crisp, D. J., M.A., Ph.D. Camb. Dir.
Jones, E. W. K., D.Phil. Oxon., B.Sc. Dep. Dir.
Spencer, C. P., B.Sc., Ph.D. Leeds Lectr.
Jones, W. E., B.Sc. Asst. Lectr.

Rowland Hughes Art Lecturer

1953–54 — Prof. N. Pevsner, C.B.E., Ph.D. Leipzig, M.A. Camb.
Subject—
Sir Christopher Wren.

Ballard Mathews Lecturer

1953–54—Prof. C. Day Lewis, C.B.E., M.A.
Subject—*The Pure Style.*

Kennedy Orton Lecturer

1953–54—Dr. D. Lack, F.R.S.
Subject—*Natural History of the Swift.*

Theology Lectures

1953–54—Prof. Dorothy Emmett, M.A.
Subject—*Religious Symbolism and Community.*

Rev. Canon V. A. Demant, B.Sc. Durh., M.A., D.Litt. Oxon.
Subject—*The New Testament Basis of Christian Ethics.*

University Extension

Director of Extra-Mural Studies: Williams, A. Ll., B.A.
Whole-time Lectrs.: Jones, E. J., M.A.; Rogers, E., M.A.; Jones, A. E., B.A.; Jenkins, E., B.A.; Jones, F. P., B.A.

ADMINISTRATIVE AND OTHER STAFF

Wardens of Halls of Residence: Rev. D. W. Gundry, M.Th. Lond. (Neuadd Reichel (Men)); Margaret T. Martin, Ph.D. Lond. (University Hall (Women)). Asst. Registrar: G. B. Owen, B.Com. Lond. Finance Sec.: R. G. Evans. Academic Sec.: A. S. Jeffreys, B.A., B.Litt. Oxon. Library Assts.: Margaret D. Jones, B A.; R. I. J. Tully, F.L.A. Housemistress: Marian Beaumont. Careers Adviser: L. E. Thomas, M.A. Lodgings Officer: G. A. D. Jackson. Clerk of Works: R. O. Williams.

GENERAL INFORMATION

This College, constituted by Royal Charter in 1884, was made a constituent College of the University in 1893.

LIBRARIES. General, 165,000 vols. (Theol. a strong feature). Welsh, 85,000, including the largest and best-equipped collection of Welsh periodicals in existence. MUSEUMS include: (*a*) a Museum of Welsh Antiquities; (*b*) a Zoological section comprising a large collection of vertebrate and invertebrate animals and a collection of human bones representative of the different races of mankind; (*c*) a collection of Welsh domestic and agricultural bygones together with Roman finds from Segontium and Capel Curig. FARM, 675 acres, chiefly sheep pasturage and dairy.

Special facilities are offered for research in Welsh Lang. and Lit., Political, Social, Econ., and Religious Hist. of Wales, and allied subjects.

FACULTIES AND DEANS. *Arts*, Prof. R. E. Wycherley (Gk.); *Educn.*, Prof. D. W. T. Jenkins (Educn.); *Science*, Prof. S. Peat (Chem.); *Theology*, Rev. Princ. J. Williams Hughes.

INCOME (1953–54). Total income, £240,445 (Univ. grant, 84 per cent.; endowments, 2 per cent.; fees, 13 per cent.).

ADMISSION. Those wishing to read in the College for a degree (awarded by the University of Wales) must satisfy the University admission requirements. *See* Appendix I.

Non-members of the Coll. may be admitted to classes at the discretion of the Deans of Facs.

COURSES. In addition to the normal courses in Arts, there are courses in Theol. for B.D. degree, in Music for B.Mus. degree, and full courses for the B.Sc. in Agric. and Rural Econ., Forestry, as well as in Pure Sci. There are Hons. degrees as well as Pass degrees in Arts and Science. Students who have reached a sufficiently high standard before entry can complete an Hons. degree course in 3 yrs. Other students will require 4 yrs. to complete an Hons. degree course, or they may complete a Pass degree course in 3 yrs. College *Diploma* courses in Theol. Other courses: 1st yr. of Med. study; 1st yr. Vet. Sci.; 1st yr. of B. Pharmacy course; 1st yr. of B.Arch.; 1-yr. postgrad. course for Teachers.

ACADEMIC YEAR. Oct. to June, with 3 terms of approx. 13 wks. each.

FEES. Registration, £1 : 1s. per session. Tuition, per session: Arts, £30; Sci., £35; Med., 1st yr. (including lab.), £35; Postgrad. courses, non-lab., £10; with lab., £20; Farm Practical Instruct., £5 (or £2 : 2s. a term). College societies (compulsory), £4.

SCHOLARSHIPS. 12 scholps., which may be supplemented by the Ministry of Education, are open for award to students entering the Coll. to read for a first degree.

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II.

APPOINTMENTS BOARD. *See under* Univ. of Wales, p. 528.

RESIDENCE. (For Wardens *see* "Administrative and other Staff," p. 540.) Neuadd Reichel (*Telephone*: Bangor 708) provides accomm. for 160 men (fee, £125 p.a.) and University Hall (*Telephone*: Bangor 633), with its annexes, for 145 women (fee, £120 p.a.). The Warden of Women Students is also Warden of University Hall.

UNIVERSITY EXTENSION, etc. Local lectures in Literature, Econ. and Agric.; small lending libraries; Tutorial and Preparatory Classes in six counties.

PRINCIPAL STUDENT ATHLETIC FACILITIES. The Coll. has extensive playing fields for rugby, soccer, hockey, tennis and net-ball. The Gymnasium has a ring for the use of the Boxing Club and provision is also made for fencing and badminton. In addition, there is a very well-equipped Rowing Club.

STUDENT HEALTH SERVICE. *See under* Welsh Nat. Sch. of Med., p. 559.

STUDENTS' UNIONS. In addition to the normal Union facilities in the Coll. itself, a large house has been converted into a Union.

PUBLICATIONS. *College Magazine*, one issue per term, 1s.; *Prospectus* free

THE YEAR 1952–53

BENEFACTIONS. Legacies and annual subscriptions amounting to £5594.

NEW BUILDINGS. Work on new Bot. For. bldg. is nearing completion. Work on adaptation of Agric. bldgs. and new Animal Houses proceeding satisfactorily. Work on first stage of Marine Biol. Station completed.

ADULT EDUCATION. 41 Tutorial Classes, 22 Univ. Sessional Courses, 4 Extension Lectures and 1 Terminal Class, with 1185 students (552 women), chiefly in Philos., Lit., Econ., Hist., Soc. and Polit. Studies, Music and Drama. The Bangor Summer Sch. under the auspices of a Cttee. representing the Jt. Tutorial Classes of the Univ. Coll. of North Wales and the Univ. of Manc., was held at Neuadd Reichel in July and Aug. 1953 for the 40th successive yr.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Prof. J. H. Delargy, "The Irish Story-Teller"; Prof. K. H. Jackson, "The Development of the British Language"; Prof. D. B. Quinn, "The Earliest British Survey of America, 1584–85"; Prof. L. J. Russell, "Science and Society"; Prof. J. A. Findlay, "The Justification of Attitudes"; Dr. S. G. Soul, "Modern Experiments in Telepathy"; Prof. B. R. Braithwaite, "Scientific Explanation"; Prof. J. Rotblatt, "Nuclear Energy States"; Dr. W. J. G. Beynon, "The Ionosphere"; Prof. J. Brough, "The Origin of Land Vertebrates"; Prof. T. A. Stephenson, "The Natural History of the Bermuda Islands"; Prof. R. J. Pumphrey, "Ears of Insects"; Prof. M. L. Anderson, "Forest Types and the classification of Tree Species".

RESIGNATION. Prof. E. Williams, apptd. Prof. of Electr. Engin., U.C., Cardiff.

RETIREMENTS. Prof. E. A. Owen; Prof. H. G. Wright; P. A. Mainstone.

DEATH. Emer. Prof. R. L. Archer.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	617	9
Women	244	6
Total	861	15

Postgraduate students, 121.

New admissions, 210.

Students (full-time) from other countries, 28. (Countries from which largest numbers came: Kenya, 5; Mauritius, 3; U.S.A., 3; Iraq, 2; Trinidad and Tobago, 2.)

DEGREES AWARDED (by Univ. of Wales). *Arts*: B.A., 88; M.A., 6. *Div.*: B.D., 1. *Sci.*: B.Sc., 91; M.Sc., 3; Ph.D., 15. *Total number of first degrees awarded*, 180.

DIPLOMAS AND CERTIFICATES. Univ. Dipl. in Educn., 51; Univ. Dipl. in Theol., 4.

[*Information compiled as at 27/5/54 ; Staff list revised on 13/10/54.*]

UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE, CARDIFF

Founded 1883

Telegrams: Coleg, Cardiff.
Telephone: Cardiff 20781.

PRESIDENT—The Rt. Hon. THE VISCOUNTESS RHONDDA.
TREASURER—D. W. VAUGHAN.
PRINCIPAL—ANTHONY STEEL, O.B.E., M.A. Oxon. and Camb.
REGISTRAR—E. R. EVANS, M.A. Oxon.
LIBRARIAN—R. J. BATES, M.A. Oxon.

TEACHING STAFF

Anatomy

Baxter, J. S., M.A. Camb., M Sc., B.Ch. Belf., M.D. Brist., F.R.C.S.I. Prof.
Hughes, H., B.A., M.B., Ch.B. Liv., M.Sc. Sr. Lectr.
Moffat, D. B., M.B., B.S. Lond., F.R.C.S. Sr. Lectr.
Jacoby, F., M.D. Berl., Ph.D. Birm. (Histol.) Sr. Lectr.
Irvine, G , M.B., Ch.B. Edin. Lectr.
Dark, A. J., M.B., B.Ch. Asst. Lectr.

Archæology

Nash-Williams, V. E., M.A., D.Litt., F.S.A. (Keeper of Dept. of A. in Nat. Museum) Sr. Lectr. and Indpt. Hd. of Dept.
Alcock, L., M.A. Oxon. Asst. Lectr.

Architecture

John, L., M.A., B.Arch. Liv., F.R.I.B.A. Lectr.

Botany

McLean, R. C., M.A. Camb., D.Sc. Lond., F.L.S. Prof.
Percival, Mary S., B.Sc. Edin., Ph.D. Sr. Lectr.

Lecturers

Benson-Evans, Kathryn, M.Sc.
Arney, S. E., B.A. Oxon. (Plant Physiol.).
Hyde, H. A., M.A. Camb., F.L.S. (Econ. Bot.) Hon. Lectr. and Keeper of Bot. in Nat. Museum.
Melville, T. H., B.Sc. (Agric.) Leeds, Dip.Bact. Manc. (Bacteriol.)

Assistant Lecturers (Bot.)

Lyon, A. G., B.Sc. St. And., Ph.D. Camb.
Harvey, R., B.Sc.
Hill, E. C., M.Sc. (Bacteriol.).
Daniels, Irene, B.Sc. Res. Demr.
1 Res. Asst. and Demr.

Chemistry

Evans, A. G., Ph.D., D.Sc. Manc. Prof.

Senior Lecturers

Bowden, S. T., D.Sc. Leiden, M.Sc. Mich., D.Sc., F.R.I.C.

Cullinane, N. M., D.Sc. N.U.I., M.Sc., F.R.I.C.

Lecturers

Chard, S. J. H., M.Sc., F.R.I.C.
Thorne, N., M.Sc.
Thomas, J. H., Ph.D. Liv.
Bayles, J. W., M.A., D.Phil. Oxon.
Phillips, G. O., Ph.D.
Whittle, E., Ph.D. Manc.

Classics

Richardson, L. J. D., M.A. Wales and Dub. (Greek) Prof.
Campbell, I. M., M.A. Glas. and Lond. (Latin) Prof.

Lecturers

Tetstall, R. G., M.A. Camb.
White, Sheila, B.A. Liv.
Moritz, L. A., M.A., D.Phil. Oxon.
Thomas, Elizabeth, M.A. Lond., B.A.
Rich, Audrey N. M., B.A. R'dg., M.A. Camb. Asst. Lectr.

Economics and Soc. Science

Thomas, B., M.A., Ph.D. Lond. Prof.

Lecturers

Parris, S. C., B.Sc. (Econ.) Lond.
Jones, L., M.A.
Lochhead, A. V. S., M.A. Oxon. (Soc. Sci.) (Lectr. and Organizing Tutor).
Maynard, G. W., B.Sc. (Econ.) Lond.
Crichton, Anne, M.A. Liv. (Soc. Sci.).
Jenkins, H. J. S., M.A., B.C.L. Oxon. (Law).
Magee, C. C., B.Com. Lond. (Accountancy).
Gibbs, J. M., M.A. Camb. and Lond. (Psychol.).

Assistant Lecturers

Pole, J. D., B.A. Camb. (Econ.).
Lewis, J. P., B.Sc. (Econ. Stats.).
1 Res. Asst.

Education

Evans, E., M.A. Oxon., B.A. Prof.

Lecturers

Amos, Rev. A. D., B.Sc. Lond., M.A. (and Master of Method).
Morris, Elizabeth M. D., M.A. Lond., B.A.
Mulrenan, B. W., B.A. Sheff.
Simpson, E. B., M.A., B.Sc. Lond.
Griffith, Mignon B.
Evans, L. Wynne, M.Ed. Durh., M.A., Ph.D.
Bull, Beryl M., B.A.
Williams, Ethel M.
Thomas, H., B.Mus.
Mathias, W. A., M.A.
Othen, C. W., M.Sc.
Pitts, R., M.Ed. Manc., B.A.

Education, Collegiate Fac. of

Evans, R. H., M.A. Oxon. Secretary and Lectr.

Lecturers and Research Officers

Evans, Kathleen M., M.A., B.Sc., Ph.D. Lond.
Jones, C., B.Sc.
1 Res. Asst.

Engineering

Gurney, H. C. H., M.A. Camb., D.Sc. Lond., F.I.P. (Civil & Mech.) Prof.
Williams, E., B.Eng., Ph.D. Liv. (Electr.) Prof.

Lecturers

Sheen, F. V., B.Sc.
Bannister, J. L., B.Sc.Tech. Manc., M.Sc.
Bray, R. O., B.Sc. Lond.
Davies, W., B.Sc.
Trigg, C., M.Sc.
Powell, W. H., B.Sc.
Ashwell, D. G., M.A. Camb.
Oliver, A. L., B.Sc. (Eng.) Lond.

English Lang. and Lit.

Llewellyn, E. C., M.A., B.Litt. Oxon., B.A. Prof.

Senior Lecturers
Bethell, S. L., M.A. Camb. and Wales, D. Litt.
Merchant, Rev. W. Moelwyn, M.A.
Thomas, R. G., M.A., Ph.D.
Lecturers
Williams, Kathleen M., M.A. Oxon.
Elliott, C., M.A.
Quinn, H. M., B.A.
Corless, Patricia, B.A. Oxon.

French and Romance Philology
Thomas, J. Heywood, M.A., D. de l'U. Paris Prof.
Senior Lecturers
Urwin, K., M.A. Sheff., D. de l'U. Paris (French).
Morse, B. J., M.A. (Italian).
Lecturers
Butler, P F., L. ès L. Lausanne.
Spencer, R. H., B.A. Leeds.
Morris, Thelma, B.A., D. de l'U. Paris.
Jones, F. J., M.A., B.Litt. Oxon., D. de l'U. Paris (Fr. with Ital.) Asst. Lectr.

Geology
Anderson, J. G. C., M.A., D.Sc., Ph.D. Glas., F.G.S. Prof.
Lecturers
Baker, J. W., B.Sc. Birm., F.G.S.
Blundell, R. C. K., B.Sc., F.G.S.
Assistant Lecturers
Lemon, G. G., B.Sc., F.G.S.
Appleby, M., M.Sc. Manc.

German
Williams, T. P., M.A. Prof.
Haas, V., M.A. Lectr.
Jones, Mrs. V. Isabel, M.A. Edin. Lectr.

History
Chrimes, S. B., M.A. Lond., Ph.D. Camb. Prof.
Whale, Gwendolyn B. M., B.Litt. Oxon., B.A. Sr. Lectr.
Marshall, Dorothy, M.A., Ph.D. Camb. Sr. Lectr.
Lecturers
Powell, I. B., B.A.
Roots, I. A., M.A. Oxon.
Loyn, H. R., M.A.
Edwards, E. W., M.A.

History of Wales
..... Prof.
Pierce, G. O., B.A. Lectr.
Lewis, C. W., B.A. Asst. Lectr.
1 Res. Asst.

Industrial Relations
Fogarty, M. P., M.A. Oxon. Prof.
Lecturers
Balfour, W. C., B.Sc. (Econ.) Lond.
Ross, N. S., M.A., Ph.D. Durh.
1 Res. Asst.

Italian
Morse, B. J., M.A. Lectr.

Law
Jenkins, H. J. S., M.A., B.C.L. Oxon.
Lectr. and Dir. of Legal Studies.

Mathematics
Cooper, J. L. B., B.Sc. Cape, M.A., D.Phil. Oxon. Prof.
Morris, Rosa M., Ph.D. Camb., B.Sc. Sr. Lectr.
Lecturers
Pope, A. H., M.Sc. Lond.
Rowland, E. N., M.A., Ph.D. Camb.
Morley, Hilda, M.A. Lond.
Hughes, N. J. S., M.A., Ph.D. Camb.
Gould, G. G., M.A. Camb., B.Sc. Lond.
Chisholm, J. S. R., M.A., Ph.D. Camb.

Metallurgy and Fuel Technology
Jones, W. R. D., D.Sc., F.I.M. Prof.
Evans, T., B.Sc. Wales and Lond., F.I.P. (Fuel Technol.) Sr. Lectr.

Lecturers
Carpenter, D. L., B.Sc. (Fuel Technol.).
Garwood, R. D., M.Sc.
Wilson, A. J. C., M.Sc. Dal., Ph.D. Camb. and M.I.T., F.I.P. (X-ray Metallography).
Rawlings, R., B.Sc.
1 Res Demr.

Mining
Sinclair, J., M.Eng., Ph.D. Sheff. Prof.

Lecturers
Probert, L., B.Sc.
Powell, W. H., B.Sc.
Brown, K., B.Sc.
Platt, J., B.Sc.

Music
Morgan, J., D.Mus., F.R.C.O. Prof.

Lecturers
Piggott, P.
Bruce, I. M., M.A., Mus.Bac. Edin.
Collier, D. G., M.Mus.
Bruce, R., D.F.C., Mus.Bac. Edin.

Teachers
Wang, A. (Violin).
Mutter, G. N. (Viola).
Isaac, G. ('Cello).
Popperwell, S., M.A. Camb. (Violinist).
And teachers of Singing, Pianoforte, Organ and all orchestral instruments.

Philosophy
de Selincourt, O., M.A. Oxon. Prof.

Lecturers
Evans, J. Ll., M.A., D.Phil. Oxon.
Brunton, J. A., M.A. Oxon.

Physics
Wilson, A. J. C., M.Sc. Dal., Ph.D. Camb. and M.I.T., F.I.P. Prof.
Hughes, J. W., Ph.D. Sr. Lectr.

Lecturers
Young, C. L., B.Sc., F.I.P. Lectr. and Dir. of Labs.
Harker, G. F. H., M.A. Camb.
Rowland, E. N., M.A., Ph.D. Camb. (Theoretical P.).
Wood, R. G., M.Sc. Manc., F.I.P. Hon. Lectr.
Rogers, D., Ph.D. Lond., F.I.P.
Howells, R. G., M.Sc.
Grant, D. F., Ph.D. Durh.

Physiology
Peterson, J. M., D.Sc. Aberd. Prof.
Pryde, J., B.Sc. St. And., D.Sc. Sr. Lectr. (Biochem.) and Lectr. (Physiol.).
Jordan, R. C., Ph.D., D.Sc. Lond. Sr. Lectr.
Waters, E. T., Ph.D., D.Sc. Sr. Lectr.
Stone, S. L., B.Sc., M.B., B.Ch. Lectr.
Dodgson, K. S., B.Sc., Ph.D. Liv. (Biochem.) Lectr.
Spencer, B., B.Sc., Ph.D. Liv. (Biochem.) Asst. Lectr.
Beswick, W. F., B.Sc., M.B., B.Ch. Asst. Lectr.

Semitic Languages
Johnson, A. R., Ph.D., Hon. D.D. Edin., F.B.A. Prof.
Rowlands, Rev. E. R., B.A. Camb., M.A. Lectr.
Ryder, Rev. E. T., M.A. Oxon., B.D. Lond. Lectr.

Spanish
Sarmiento, E., B.A., Ph.D. Lond. Prof.

Welsh
Williams, G. J., M.A. Prof.
Lewis, J. S., M.A. Liv. Sr. Lectr.
Jarman, A. O.H., M.A. Lectr.
Lewis, C. W., B.A. Asst. Lectr.

Zoology and Compar. Anat.
Brough, J., D.Sc. Manc. Prof.

Sheppard, Edith M., D.Sc. Sr. Lectr.
Jefferson, G. T., B.Sc. Lond. (Entomol.) Lectr.
Evans, W. A. L., B.Sc. Birm., M.Sc. Lectr.
Erasmus, D. A., B.Sc. Asst. Lectr.
John, B., B.Sc. Asst. Lectr.
Staddon, B. W., B.Sc., Ph.D. Durh. Asst. Lectr.

University Extension

..... Dir. of Extra-Mural Studies.

Organizing Tutors

I. Morgan, M.A. (Tutor-in-Charge); E. R. Lewis, M.A.; V. H. Jones, LL.B. Lond., B.A.; M. R. Hausheer, B.A.

Staff Tutor: E. Hodges.

40 Tutors.

ADMINISTRATIVE AND OTHER STAFF

Warden of Aberdare Hall: Miss E. Olwen Parry, M.A. College Appts. and Advisory Officer: W. H. Morgan, B.Sc. (Econ.) Lond., B.Sc.

ASSOCIATED INSTITUTION

CITY OF CARDIFF TECHNICAL COLLEGE, Cardiff (*Telephone*: Cardiff 31546). Principal—A. Harvey, Ph.D., B.Sc., F.I.P. This Institution houses the Welsh Schools of Architecture and Pharmacy. *See below under* "Degrees."

GENERAL INFORMATION

Opened in 1883 and incorporated by Royal Charter in 1884, this is now one of the constituent Colleges of the Univ. For early history, *see A Short History of the College*, A. H. Trow and D. J. A. Brown, 1933, 2s. 6d.

A Supplemental Charter was granted to the College on Jan. 21, 1931, and a Charter of Incorporation to the Welsh National School of Medicine on Feb. 5, 1931.

LIBRARY. Drapers' Company's, 131,000 vols.

MUSEUMS. Anat., Zool. The National Museum of Wales (Art, Archæol. Zool., Geol., Bot.) is located in an adjacent building.

LABORATORIES. Physical Research, with a comprehensive equipment for X-ray diffraction investigation, etc.; Engineering (including 100-ton testing machine); and usual science and medical research laboratories.

ADMISSION. Classes are open to both men and women students of not less than 17 yrs. on Oct. 1 of the session of admission. Those wishing to read in the College for a degree of the University of Wales must satisfy the University's admission requirements. *See* Appendix I.

FACULTIES AND DEANS. *Arts*, Prof. T. P. Williams (German); *Education*, Prof. E. Evans; *Science*, Prof. H. C. H. Gurney (Engin.); *Theology*, Prof. A. R. Johnson (Semitic Langs.).

DEGREES. Candidates are prepared for the following initial degrees of the University of Wales: B.A., B.Mus., B.Sc., and in part for the degrees of B.Arch. and B.Pharm. Postgraduate courses of study are provided for candidates for higher degrees of the University and other Universities. Medical students preparing for the degrees of M.B., B.Ch. of the Univ. pursue their preliminary medical studies at the College and their clinical studies at the Welsh National School of Medicine. The first part of the course for the degree of B.Arch. of the Univ., occupying 1 yr., can be pursued at the College, while

the second part, occupying 5 yrs., is pursued at the Welsh School of Architecture, City of Cardiff Technical College, Cathays Park, Cardiff. The Preliminary Part of the course for the degree of B.Pharm., extending over not less than 1 yr., can be taken at the College, while the Final Part, extending over 2 yrs., is taken at the Welsh School of Pharmacy, Cardiff.

COLLEGE DIPLOMAS, ETC. Engin., Metalliferous Mining, Metallurgy; Music; Social Science; Personnel Management. In the Applied Science subjects the qualifying scheme of study covers 3 yrs.; in the other subjects, 2 yrs. A Diploma in Palæography and Allied Subjects is awarded after a 1-yr. course. After graduation in certain subjects, suitably qualified students desirous of securing a Diploma in their special subject, may be awarded one without further study, while in other cases a graduate can be awarded such a Diploma after pursuing a modified course for 1 yr.

SCHOLARSHIPS. Numerous scholps. out of trust funds are awarded for competition at entrance, and after one or more years' residence other scholps. and prizes are awarded for meritorious work. (Details are contained in the College *Prospectuses* obtainable from the Registrar.)

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II.

FEES. Annual composition for tuition: Arts, £30; Science, £35; Music, £30; Applied Science, £35; Medical (first and second yrs. and for 2 terms of third yr.), £35 to £45; Postgraduate study and research, £10 to £20. Registration, £1 : 1s. p.a.

RESIDENCE. Hostel for women: Aberdare Hall, Cathays Park, Cardiff (*Telephone*: Cardiff 21877) (for Warden *see* "Administrative and other Staff," p. 547), accomm. for 134, fees £120. Hostels for men: St. Teilo's Hall, Waterloo Gardens, Cardiff (*Telephone*: Cardiff 45455) (The Rev. the Warden), accomm. for 33, fees £120; Llandaff House, Earl Road, Penarth, Glam. (*Telephone*: Penarth 995) (The Rev. the Warden), accomm. for 35, fees £120. Board and lodging in Cardiff can be obtained from £2 : 5s. per week.

STUDENT WELFARE. Students seeking advice on lodgings in Cardiff and on careers in their last year are advised to consult the College Appointments and Advisory Officer, 31 Corbett Road, Cathays Park, Cardiff (*Telephone*: Cardiff 29802) (*see* "Administrative and other Staff," p. 547). New students from overseas are especially advised to see him as soon as possible after their arrival in Cardiff.

STUDENT HEALTH SERVICE. *See under* Welsh Natl. Sch. of Med., p. 559.

STUDENT ATHLETIC FACILITIES. Playing grounds are provided for the pursuance of most field sports, as well as facilities for swimming and rowing. Grass tennis courts are sited at the College. A modern well-equipped gymnasium in its own building (49 Park Place, Cardiff) is also provided for the exclusive use of students. There is a Lecturer in Physical Training for men and one for women, who act as College Advisers in physical training and games.

STUDENTS' UNION. The Union building at 51 Park Place, Cardiff (*Telephone*: Cardiff 29846), provides amenities for developing and furthering the social and cultural life of the student body; it has a refectory which is sometimes used for dances, lounges and games rooms, and it houses the headquarters of the Students' Union Society. Every student is required to pay a Union amalgamation fee of £4 : 4s. (£5 : 1s. 6d. for medical students), which compounds for membership of the Students' Union Society and of all Student Clubs and Societies affiliated to it. (Student publications are the *Broadsheet* and *Cap and Gown*.)

ADULT EDUCATION. A number of resident tutors and a staff tutor, aided by a panel of suitably qualified part-time teachers, provide an educational service of a liberal character for the adult population of the College area, by means of classes and lectures. A section of the College Library is devoted to the service of the classes, providing them with multiple copies of selected text-books on as wide a range of topics as annual income apportionments permit. This branch of College work has its office at 31 Corbett Road, Cardiff (*Telephone*: Cardiff 26071). (*For list of staff—see* University Extension, *above.*)

PUBLICATIONS. *Admission of Students* (Terms of) (Oct.); *General Prospectus* (with syllabuses of study) (March); *Entrance Scholarships Prospectus* Oct.); *Calendar* (triennially); *A Short History of the College*, A. H. Trow and D. J. A. Brown, 1933, 2s. 6d.

THE YEAR 1952–53

BENEFACTIONS. For sp. purposes, prizes, etc., £7194.

ADULT EDUCATION. 112 classes were held as follows: Univ. Tutorial Classes, 38; Univ. Sessional Classes, Extension and Short Courses, 74. Total no. of students attending, 2114.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. The Rev. Prof. N. W. Porteous, 4 lectures on "History, Community and Revelation: an enquiry into Old Testament Theology"; Prof. Heinz Kindermann, "Das europäische Theater der Goethezeit."

RETIREMENT. Prof. W. Rees (Hist. of Wales and Actg. Hd. of Dept. of Hist.)

RESIGNATIONS. D. T. A. Rees (Mining); G. W. Williams (Classics).

DEATH. G. H. Poyser (Classics).

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	1054	38
Women	479	32
Total	1533	70

Postgraduate students, 45.

First-year admissions, 502.

Students (full-time) from other countries, 57. (Countries from which largest numbers came: India, 14; British W. Africa, 11; Iraq, 7; British W. Indies, 3.)

DEGREES AWARDED (by Univ. of Wales). *Archit.*: B.Arch., 3; *Arts*: B.A., 162; M.A., 11; *Div.*: B.D., 2; *Med. and Surg.*: M.B., B.Ch., 41; M.Ch., 1; *Music*: B.Mus., 7; *Pharmacy*: B.Pharm., 19; *Sci.*: B.Sc., 139; M.Sc., 3; Ph.D., 3.

DIPLOMAS AWARDED. Music, 5; Social Sci., 13; Palæography and Diplomatic, 1; Metalliferous Mining, 5; Teacher's Diploma in Educn., 110; Theol., 5.

[*Information compiled as at* 3/6/54 ;
Staff list revised on 6/10/54.]

UNIVERSITY COLLEGE OF SWANSEA

Founded 1920

Telephone : Swansea 57805.

PRESIDENT—Sir GEORGE BARSTOW, K.C.B., LL.D.

PRINCIPAL—JOHN S. FULTON, M.A. Oxon.

REGISTRAR—J. MCINTYRE, M.A. Glas.

LIBRARIAN—OLIVE M. BUSBY, M.A. Lond.

TREASURER—T. J. REES, C.B.E., B.A.

DEAN OF FACULTY OF ARTS—Professor E. V. MORGAN, M.A. Camb.

DEAN OF FACULTY OF SCIENCE—Professor R. WILSON, M.A. Oxon.

TEACHING STAFF

Botany

Street, H. E., Ph.D. Lond. Prof.
Isaac, I., Ph.D. Camb., B.Sc., F.L.S. (Bot.) Sr. Lectr.

Lecturers

Goodman, G. T., M.Sc. (Bot.)
Hayward, J., B.Sc., Ph.D. (Bot.)
1 Demr.

Chemistry

Shoppee, C. W., D.Phil. Basle, D.Sc., Ph.D. Lond., F.R.I.C. Prof.
Sykes, K. W., D.Phil. Oxon. Sr. Lectr.

Lecturers

Ayling, E. E., M.Sc. Lond., F.R.I.C.
Davies, R. H., M.Sc.
Gowenlock, B. G., Ph.D. Manc.
Hoare, D. E., M.A. Camb., Ph.D. Leeds

Classics

Farrington, B., B.A. Dub., M.A. N.U.I. Prof.

Senior Lecturers

Hill, H., M.A. Sheff.
Moorhouse, A. C., M.A. Camb.

Lecturers

Smyth, W. R., M.A. Dub.
Griffiths, J. Gwyn, D.Phil. Oxon., M.A. Liv., B.A.

Economics

Morgan, E. V., M.A. Camb. Dean, Fac. of Arts, Prof.

Lecturers

Bell, I. C., M.A.
Roberts, R. O., M.A.
Rees, G. L., M.A.
Cleary, E. J., B.A. Manc.

Education

Jones, E. J., M.A., D.Litt. Prof.

Lecturers

Stephens, D. J., M.Sc.
Jones, T. G. Jeffreys, M.Sc.
Owen, Annie, M.A., D. de l'U. Paris.
Dale, R. R., M.A. Liv., M.Ed. Leeds.
Lewis, Edith A., Ph.D.
Brown, A. (Speech Trg.).
Webster, J. R., M.A.

Engineering

Kastner, L. J., M.A. Camb. Prof. and Hd. of Dept.
Neal, B. G., M.A., Ph.D. Camb. (Civil E.) Prof.
Cass-Beggs, D. N., M.Sc. Manc. (Electr. E.) Asst. Prof.
Caswell, J. S., M.Sc. (Mech. E.) Sr. Lectr.

Lecturers

Daniels, T. C., M.Sc.
Evans, B. R., B.Sc. Durh.
Rockey, K. C., M.Sc. Lond.
Williams, T. J., M.Sc. Birm., Ph.D. Lond.
Ratcliff, G., M.Sc.

English

Kinsley, J., M.A. Oxon., M.A., Ph.D. Edin. Prof.

Lecturers

Westcott, Isabel M., B.A. Brist., B.Litt. Oxon.
Bartley, J. O., D.Litt. Belf.
Sims, D. L., B.A. Oxon.
Amis, K. W., M.A. Oxon.
Dawson, S. W., M.A. Manc.

French

Knight, R. C., M.A. Oxon., D. ès L. Prof.
Rees, G., D. de l'U. Paris, M.A., O.A. Sr. Lectr.

Lecturers

Pool, E. Millicent, M.A. Liv., O.A.
George, F. W. A., Ph.D. Lond.

Geography

Balchin, W. G. V., M.A. Camb., Ph.D. Lond. Prof.

Lecturers

Oliver, J., B.A. Brist.
Groom, Gillian E., B.Sc. Birm., F.G.S.
Emery, F. V., B.A. Oxon. Asst. Lectr.

Geology

Leitch, D., D.Sc. Glas., F.G.S. Prof.

Lecturers

Simpson, B., M.Sc. Liv., F.G.S.
Owen, T. R., M.Sc., F.G.S.
Walmsley, V. G., B.Sc. Manc., F.G.S.
Bowes, D. R., Ph.D. Lond., M.Sc. Adel.

German

Heller, E., Ph.D. Camb. Prof.
Marleyn, R., M.A. Oxon., Ph.D. Gött. Lectr.
Taylor, R. J., M.A. Lond. Lectr.

History

Quinn, D. B., B.A. Belf., Ph.D. Lond. Prof.
Gibbs, Marion E., M.A., B.Litt. Oxon. Sr. Lectr.
Williams, G., M.A. Sr. Lectr.

Lecturers

Masterman, N. C., M.A. Camb.
Walker, D. G., B.A. Brist.
Minchinton, W., B.Sc. Lond. (Soc. and Econ. H.)

Mathematics

Wilson, R., M.A. Oxon. Dean, Fac. of Sci., Prof. and Hd. of Dept.
Oldroyd, J. G., M.A., Ph.D. Camb. (Appl. M.) Prof.
Foulkes, H. O., D.Sc. (Pure M.) Sr. Lectr.

Lecturers

Godwin, H. J., M.A. Camb. (Pure M.).
Brennan, J. G., M.Sc. (Pure M.).
Perfect, Hazel, M.A. Lond. (Pure M.).
Evans, G. W., M.A. Camb. (Appl. M.).
Walters, T. S., M.Sc. (Appl. M.).

Assistant Lecturers

Keogh, F. R., B.Sc. Manc. (Pure M.).

Wilkinson, J., M.A. Camb. (Appl. M.).

Metallurgy

O'Neill, H., M.Met. Sheff., D.Sc. Manc., F.I.M. Prof.
Higgins, R., O.B.E., Ph.D. Glas., F.I.M. Asst. Prof.

Lecturers

Dennison, J. P., Ph.D. Leeds.
Greenough, A. P., M.A. Camb.
Davies, D. E., B.A. Camb., B.Sc. Asst. Lectr.

Philosophy

Jones, J. R., D.Phil. Oxon., M.A. Prof.
Rhees, R., M.A. Edin. Sr. Lectr.
Holland, R. F., M.A., B.Phil. Oxon. Lectr.
Winch, P. G., B.A., B.Phil. Oxon. Lectr.

Physics

Jones, F. Llewellyn, M.A., D.Phil. Oxon., F.I.P. Prof.
Davidson, P. M., B.A. Camb., Ph.D. Lond. Sr. Lectr.
Beynon, W. J. G., D.Sc., F.I.P. Sr. Lectr.
Wright, L., M.Sc. Sheff. Lectr.
Griffin, L. R., M.Sc. Lond. Lectr.
Brown, G. M., M.A. Camb., M.Sc. Lectr.
Dutton, J., Ph.D. Lectr.
1 Demr.

Political Theory and Government

Rees, J. C., M.A. Camb., B.Sc. (Econ.) Lond. Prof.
Stacey, F. A., M.A. Camb., B.Phil. Oxon. Lectr.

Social Science

Jones, R. H., B.Sc. (Econ.) Lond., M.A. Liv. Dir.
Walker, Muriel C., B.A. Manc. Tutor.
Matthews, Joan E., B.Sc. (Sociology) Lond. Temp. Asst.

Welsh

Williams, S. J., M.A., D.Litt. Prof.
Bevan, T. H., M.A. Sr. Lectr.
Evans, D. S., B.Litt. Oxon., M.A., B.D. Lectr.

Zoology

Little, P. A., B.Sc., Ph.D. Lectr.

University Extension

David, I., M.A., LL.B. Camb., LL.D. Dub., M.A. Sr. Staff Tutor.
Griffiths, T. Hughes, Dr.Pol.Sc. Giessen, M.A. Staff Tutor.
Jones, T. G., M.A., M.Sc. (Econ.) Lond. Staff Tutor.
Lewis, G. I., B.A. Staff Tutor.
Thomas, T. W., B.A. Staff Tutor.
Williams, C. R., M.A. Staff Tutor.

ADMINISTRATIVE AND OTHER STAFF

Warden of Beck Hall of Residence for Women Students: Elsie Griffiths, M.A. Camb. Appts. Adviser for Students: Mrs. D. Herbert Jones, B.A. Instr. in Physical Educn.: V. Jones, B.A. Asst. Librarian: Edith M. Owen, M.A. Sheff., F.L.A.

GENERAL INFORMATION

Incorporated by Royal Charter, dated Jan. 21, 1920, the College was made a constituent Coll. of the Univ. of Wales by a Supplemental Charter granted to the Univ. on Aug. 13, 1920. The admin. offices, assembly hall, some common rooms, and some of the Sci. depts., are accommodated in a mansion in Singleton Park, presented, together with about 46 acres of land surrounding it and 15 acres for playing fields, by the Corporation of Swansea, which also gave £50,000 towards the cost of Sci. bldgs. Extensive labs. have been erected in

the Park, on a site adjacent to the main Coll. bldg., for the depts. of Metall., Engin., Chem. and Physics, and also buildings to accommodate the Arts Depts., the Library, the Refectory and common rooms. A new Natural Sciences Bldg. is in course of erection.

All the Coll. labs. (Phys., Chem., Geol., Geog., Biol., Metall., Engin.) are well equipped and include fine experimental plant for instrucn. and res.

INCOME (1952–53). Total income, £219,981 (Univ. Grant, 83 per cent; Endowments, 1·5 per cent; Fees, 15 per cent.)

FACULTIES AND DEANS. *Arts*, Prof. E. V. Morgan (Econ.); *Science*, Prof. R. Wilson (Maths.).

DEPARTMENTS. Trng. of Teachers (men and women) for Elem. and Sec. Schools; training in Social Sci.; and training for Youth Leadership and Organization.

ADMISSION. All students entering the Coll. must be at least 17 years of age and have passed the Matricn. Examn. of the Univ. of Wales, or an approved equivalent examn. *See* Appendix I.

COURSES FOR DEGREES, ETC. Courses for the degrees of the Univ. in Pure and Appl. Sci. and Arts (3 yrs.); complete Prelim. Sci. Course for med. students and classes in Law for articled clerks. Engin. students are expected and, where necessary, helped to obtain practical experience in works during the greater part of the summer vacation. Afternoon visits to works are arranged frequently throughout the session. Occasional lectures are given by experts on the business admin. and managerial side of industrial undertakings.

HIGHER DEGREES. M.A., M.Sc., Ph.D., D.Sc., D.Litt.

COLLEGE DIPLOMAS. Social Science (2 yrs.—suitably qualified grads. may be allowed to complete the course in 1 yr.); Youth Leadership and Organization (1-yr. Course); Mathematical Physics (2 yrs.' Postgrad. Course); Mathematical Statistics and Computational Analysis (1-yr. Course).

RESEARCH. All Depts. of the Coll. are available for postgrad. and res. work, and the respective Profs. are always prepared to advise students wishing to undertake res.

FEES. For annual tuition in Pure or Appl. Sci., £35; Arts, £30; for Res., from £10 to £20 p.a.; Registration, £1 : 1s. p.a.

ACADEMIC YEAR. Oct. to June, 3 terms of 10½ weeks each.

The usual language of instruction is English.

ADULT EDUCATION. The College has an extensive scheme of Extra-Mural work.

AWARDS open to students entering the College to read for a first degree. A number of open scholps. of annual value of £40 each are offered for competition on results of an examn. held in Feb. each yr.

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II.

APPOINTMENTS BOARD. *See* p. 528.

OLD STUDENTS' ASSOCIATION. Secretary—J. N. Howard, B.A., 107 Harlech Crescent, Sketty, Swansea. London Branch Secretary—H. Linnard, B.Sc., 70 Dairsie Road, Eltham, London, S.E.9.

LIBRARY. In the College Library, books and pamphlets now number 114,000.

RESIDENCE. For Women: Beck Hall of Residence, Gwydr Gardens, Uplands, Swansea (*Telephone*: Swansea 56320), 80 students. Fee, £105 p.a. A list of Registered Lodgings is kept by the Registrar.

STUDENT HEALTH SERVICE. *See under* Welsh National School of Medicine, p. 559.

ATHLETIC FACILITIES. 15 acres for playing fields; swimming bath and squash rackets courts, and a gymnasium.

STUDENTS' UNION. "Maes-yr-Haf," 50 Sketty Road, Swansea. (*Telephone*: Swansea 56959).

PUBLICATIONS. College *Prospectuses*: General, Engin., Metall., Dept. of Educn., Dipl. Course in Social Sci., Beck Hall of Residence, Entrance Scholps. Examn., Mature Age Matricn. Examn.; Student publication *Dawn* (College Magazine) (Dec. and June).

THE YEAR 1952–53

BENEFACTIONS. Donation and annual subscriptions amounting to £6917.

NEW BUILDINGS. New study block for Fac. of Arts; addtnl. labs. and staff rooms for Dept. of Geog.

EXTRA-MURAL WORK. 35 Tutorial classes, 17 Sessional classes and 10 shorter courses with 998 students. A non-residential summer sch. was held during one wk. and a residential summer sch. during 3 wks.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. C. W. de Kiewiet, Rochester, U.S.A.; Dr. J. Williams, Victoria U.C., N.Z.

RESIGNATIONS. Dr. H. G. Eggleston (Maths.), apptd. to Trinity Coll., Camb.; Dr. D. G. Lewis (Chem.), apptd. to Bradford Tech. Coll.

OTHER DEVELOPMENTS. Chair of Appl. Maths. within Dept. of Maths.; Hons. courses in Geog. instituted in Facs. of Arts and Sci.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	685	29
Women	209	14
Total	894	43

Postgraduate students, 65.

New admissions, 240.

Students (full-time) from other countries, 25. (Countries from which largest numbers came: Gold Coast, 3; Iraq, 3; Nigeria, 3; Trinidad, 3.)

DEGREES AWARDED (by Univ. of Wales). B.A., 97; B.Sc., 121; M.A., 5; M.Sc., 9; Ph.D., 14; D.Litt., 1; D.Sc., 1.

DIPLOMAS AND CERTIFICATES AWARDED. Univ. of Wales Dipl. in Educn., 76; Ministry of Educn. Teacher's Cert., 4; Coll. Dipl. in Youth Leadership and Organization, 18; Coll. Dipl. in Soc. Sci., 13; Coll. Dipl. in Math. Statistics and Computational Analysis, 5.

[*Information compiled as at 25/6/54 ; Staff list revised on 25/10/54.*]

THE WELSH NATIONAL SCHOOL OF MEDICINE, CARDIFF

Incorporated by Royal Charter 1931

Postal Address : 34 Newport Road, Cardiff, Wales.
Telephone (Provost and Secretary) : Cardiff 28434.

PRESIDENT—The Right Hon. LORD ABERDARE, K.B.E., LL.D.

PROVOST—R. M. F. PICKEN, C.B.E., M.B., Ch.B., B.Sc. Glas., D.P.H. Camb.

VICE-PROVOST—J. GOUGH, B.Sc., M.D.

DEAN OF CLINICAL AND POSTGRADUATE STUDIES—A. G. WATKINS, M.D. Lond., B.Sc., F.R.C.P.

HON. TREASURER—Sir FREDERICK J. ALBAN, C.B.E.

SECRETARY—F. DODSWORTH, F.C.I.S.

LIBRARIAN—ELUNED L. JONES.

TEACHING STAFF

(For subjects of first 3 yrs.—Anat., etc., v. Univ. Coll., Cardiff)

Anæsthetics

Mushin, W. W., M.A. Oxon., M.B., B.S. Lond., F.F.A.R.C.S. Prof. and Dir.
Musgrove, A. H., F.F.A.R.C.S. (C.)*
Jones, I. R., F.F.A.R.C.S. (C.).
Rendell-Baker, L., M.B., B.S. Lond., F.F.A.R.C.S. (C.).
Roberts, Barbara C., B.Sc., M.B., B.Ch., F.F.A.R.C.S. (C.).
Picken, D. K. W., B.Sc., M.B., B.Ch., F.F.A.R.C.S. (C.).
Lake, R. H. N., M.B., B.A. Lond., F.F.A.R.C.S. (C.).
Pearson, F. Y., F.R.C.S.Ed. Clin. Tutor.

Child Health

Watkins, A. G., M.D. Lond., B.Sc., F.R.C.P. Prof.
Bray, P. T., B.Sc., M.B., B.Ch. Sr. Lectr.
Jacobs, J., M.D., B.S. Lond. Lectr.
Gray, O. P., M.B., Ch.B. Birm. Reg.

Dental Surgery

Murray, A. L., L.D.S. (C.).
Smith, J. I., L.D.S. (C.).
Brown, G. M. A., L.D.S. (C.).

Dermatology

Hodgson, G. A., M.B.E., M.A., D.M., B.Ch. Oxon. Lectr.
Waddington, E., M.D. Lond. (C.).

* (C.) = Clinical Teacher.

Forensic Medicine and Toxicology

James, W. R. L., B.Sc., M.B., B.Ch. (Forensic Med.) Lectr.
Graham, J. D. P., B.Sc., M.D. Edin., F.R.F.P.S. Glas. (Toxicol.) Lectr.

Hygiene and Public Health

Grundy, F., M.D., Ch.B. Leeds, D.P.H., D.P.M. (Preventive Med.) Mansel Talbot Prof.
Hitchens, R. A. N., M.B., B.Ch., D.P.H. Sr. Lectr.
Bevan, R. T., M.B., B.Ch., D.P.H. Lectr.
Lewis-Faning, E., D.Sc., Ph.D. Lond. Statistician.
Davies, Mary E. Health Visitor Tutor.

Infectious Diseases

Harries, G. E., M.B., B.S. Lond., D.P.H. Lectr.

Medicine

Scarborough, H., M.B., Ch.B., Ph.D. Edin., F.R.C.P.Ed. Prof. and Dir.
James, A. H., M.A., D.M. Oxon., M.D. Tor. Sr. Lectr., Asst. Dir.
Fourman, P., M.D., B.S. (Lond.).
Cohen, S. I., M.B., B.Ch.
Phillips, W., M.D., F.R.C.P. (C.).*
Howells, L. H., M.D. Lond., F.R.C.P. (C.).
Jones, I. G., M.D. Lond., B.Sc. (C.).
Williams, D. A., M.Sc., M.D., B.Ch. (C.).
Spillane, J. D., M.D., B.Sc., F.R.C.P. (Neurol.) Lectr.
Evans, B., M.D. Lond. (C.).
Thomas, A. J., B.Sc., M.D., B.Ch., D.P.H. (C.).
Gilson, J. C., O.B.E., M.A., M.B., B.Chir. Camb. Hon. Clin. Teacher.

Obstetrics and Gynæcology

Duncan, A. S., D.S.C., M.B., Ch.B. Edin., F.R.C.S.Ed. Prof.
Fisher, H. J., M.B., B.Ch., F.R.C.S.Ed. Sr. Lectr.
Maliphant, R. G., M.D. Lond., F.R.C.S., F.R.C.O.G. Lectr.
Evans, M. D. A., M.D., F.R.C.S. Ed., F.R.C.O.G. Asst. Lectr.
Foster, G. S., M.D., B.S. Lond., M.B., B.Ch. Asst. Lectr.
Webster, Helena J., B.Sc., M.B., B.Ch., D.P.H. Asst. Lectr.
Jones, J., B.Sc., M.B., B.Ch. Asst. Lectr.
Butler, Elizabeth B., M.B., B.Ch. Reg.

Ophthalmology

Thomas, J. W. T., M.B., M.S. Lond., M.D., LL.D., D.Sc., F.R.C.S. Lectr.
Parry, R. J., M.B., B.S. Lond., F.R.C.S.Ed. (C.).
Gluck, B., M.A., M.B., M.Ch. Dub., D.O.M.S., F.R.C.S.Ed. (C.).

Oto-Rhino-Laryngology

Owen, R. D., B.Sc., F.R.C.S. Eng. and Ed. Lectr.
Thomas, H. A., B.Sc., M.B., B.Ch., F.R.C.S.Ed. (C.).
Thomas, J. A. B., B.Sc., M.B., B.Ch., D.L.O., F.R.C.S. (C.).

Pathology

Gough, J., B.Sc., M.D. Prof. and Dir.
Heppleston, A. G., M.B., Ch.B. Manc. (Pathol.) Sr. Lectr.
Whiteley, H. J., B.Sc., M.D., Ch.B. Sheff. (Pathol.) Sr. Lectr.
Thomson, S., M.D., D.P.H. Edin. (Bacteriol.) Lectr.
Jenkins, W. J., B.Sc., M.B., B.Ch. Lectr. and Blood Trans. Officer.

* (C.) = Clinical Teacher.

Davies, D. G., M.B., Ch.B. Brist., Dip.Bact. Manc. (Clin. Bact.).
Withey, J. L., M.B., B.S. Lond. (Clin. Path.) Lectr.
James, W. R. L., B.Sc., M.B., B.Ch. (Medico-Legal) Lectr.
Leopold, J. G., B.Sc., M.B., B.Ch. Asst. Lectr.
Rees, W. H. R., M.B., B.S. Lond., D.T.M. & H. Lond. Asst. Lectr.
Watson, A. J., M.B., Ch.B. Aberd. Asst. Lectr.
Beales, S. J., M.B., B.S. Lond. Asst. Clin. Path.
Evans, A. R., M.B., B.Ch. Asst. Clin. Path.
Jones, J. H., M.B., B.Ch. Asst. Clin. Path.
Roberts, G. H., M.B., B.Ch. Asst. Clin. Path.
Strawbridge, W. G., M.B., B.Ch. Asst. Clin. Path.
Tighe, Anne G., B.Sc., M.B., B.Ch. Asst. Clin. Path.
Drummond, R. J. Hon. Clin. Teacher.
Keyser, J. W., M.Sc. Lond. Sr. Lectr. Chem. Path.
Nethercott, S. E., B.Sc. (Biochem.) Lectr.
Ahlquist, K. A., B.Sc. St. And. (Biochem.) Lectr.
Phillips, W. P., D.P.H. (Vaccination and Practice of Immunization) Instr.
Parry, T. E., M.B., Ch.B. Manc. (C.).*

Pharmacology

Landgrebe, F. W., D.Sc. Aberd. Prof.
Graham, J. D. P., B.Sc., M.D. Edin., F.R.F.P.S.Glas. Sr. Lectr.
James, Dinah M., M.Pharm., Ph.D. Lectr.
Mitchell, G. M., M.B., Ch.B. Aberd. Asst. Lectr.

Physical Medicine

Lloyd, K. N., M.B., B.S. Lond. Lectr.

Psychological Medicine

Hennelly, T. J., M.D., B.Ch. N.U.I., D.P.M. Lectr.
Spillane, J. P., B.Sc., M.D., B.Ch. (C.).
Richter, D., Ph.D., M.A., B.Sc., F.C.S. Hon. Lectr.

Radiology

Hanson, E. H., M.B., B.S. Durh., D.M.R.E. Lectr.
Hinde, G. de B. (C.).
Jones, A. M., B.Sc., M.B., B.Ch. (C.).
Williams, H. B. L. (C.).

Radiotherapy

Evans, G. C. D., B.Sc., M.B., B.Ch., D.M.R.E. Lectr.

Surgery

Rogers, L. C., M.D. Melb., M.Sc., F. R. C. S. Eng. and Ed. F.R.A.C.S., F.A.C.S. Prof. and Dir.
Aldis, A. S., B.Sc., M.B., B.S. Lond., F.R.C.S. Sr. Lectr. and Asst. Dir.
Lewis, C. W. D., B.Sc., M.B., M.Ch., F.R.C.S. Sr. Lectr.
Parker, A. O., M.D., C.M., F.R.C.S. (Orthopæd.) Lectr.
Ioan-Jones, D., B.Sc., M.B., B.Ch., F.R.C.S. (C.).
Lysaght, A. C., F.R.C.S. (C.).
Foster, D. B. E., B.Sc., M.B., B.Ch., F.R.C.S.Ed. (C.).
Wade, J. S. H., M.C., F.R.C.S. (C.).
Evans, D., M.B., B.Ch., F.R.C.S. Ed. (Fractures) (C.).
Mogg, R. A., B.Sc., M.B., B.Ch., F.R.C.S. (C.).
Lewis, E. E., F.R.C.S. (C.).
Morris, D. G., B.Sc., M.B., B.Ch., F.R.C.S.Ed. (C.).

* (C.) = Clinical Teacher.

Langmaid, C., M.B., B.S. Lond., B.Sc., M.B., B.Ch., F.R.C.S. (C.).*
Harley, H. R. S., M.B., M.S. Lond., F.R.C.S. (C.).
Thomas, D. M. E., F.R.C.S. (C.).
Jones, H. O., M.B., M.S. Lond., F.R.C.S. (C.).
Jenkins, D. H., B.Sc., M.B., M.S. Lond., M.B., B.Ch., F.R.C.S. (C.).
Wilson, J. N., M.B., Ch.M. Birm., F.R.C.S. (C.).
Vowles, K. D. J., M.B., Ch.B. Brist. Reg.

Tuberculosis

Heaf, F. R. G., M.A., M.D. Camb., F.R.C.P. David Davies Prof.
Graham, S. H., M.D., Ch.B., D.P.H. Edin., T.D.D. Lectr.
Foreman, H. M., M.B.E., M.B., Ch.B. N.Z. Hon. Lectr.
Jones, V. E., M.B., B.S. Lond., M.B., Ch.B. Liv., B.Sc. Hon. Lectr.
Marks, J., M.D., B.S. Lond., Dip. Bact. Hon. Lectr.
Seal, R. M. E., B.Sc., M.B., B.Ch. Hon. Lectr.
Thomas, D. M. E , F.R.C.S. (C.).
Harley, H. R. S., M.B., M.S. Lond., F.R.C.S. (C.).
Williams, N. V., M.B., Ch.B. Edin., D.P.H. Lond. (C.).

Venereal Diseases

Downing, C. C. R., M.A., M.D., B.Chir. Camb. Actg. Lectr.
Webster, Helena J., B.Sc., M.B., B.Ch., D.P.H. Asst. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Asst. Sec.: E. K. Downing; Univ. Student Health Officers—Sr. Student Health Officer: G. Grant, M.B., B.S. Lond.; Student Health Officers: R. A. N. Hitchens, M.B., B.Ch., D.P.H.; Edith McKnight, B.Sc., M.B., Ch.B. Glas., D.P.H. Glas.

GENERAL INFORMATION

The Welsh National School of Medicine originated in the institution of Depts. in Anat. and Physiol. at the Univ. Coll. of S. Wales and Monmouthshire, Cardiff, in 1893. The Dept. of Mat. Med. and Pharmacol. was instituted in 1898, and the Chair of Pathol. and Bacteriol. in 1910. The David Davies Chair of Tuberculosis and the Mansel Talbot Chair of Prev. Med. were endowed in 1921, and in that year Medical and Surgical Units and a Dept. of Obstet. and Gynæcol. were instituted. A Chair and Dept. of Child Health were established in 1950.

On Feb. 5, 1931, a Charter of Incorporation was granted to the School by H.M. the King in Council.

The location of the various Depts. of the School is as follows: Pharmacology, Preventive Medicine, Tuberculosis—Institute of Preventive Medicine, The Parade, Cardiff; Tuberculosis (postgraduate labs.)—4 Richmond Road, Cardiff; Medical Unit, Surgical Unit, Inst. of Pathology, Anæsthetics, Obstetrics and Gynæcology—The Royal Infirmary, Cardiff; Child Health—Llandough Hospital, nr. Penarth, Glam.

ADMISSION. Every candidate for admission to first-yr. courses in Physics, Chem. and Biology shall present a certificate showing that he has satisfied the requirements for matriculation in the Univ. of Wales. *See* Appendix I.

No candidate will normally be accepted for admission to the Depts. of the

* (C.) = Clinical Teacher.

second year of the Med. course unless he has completed, at one and the same time, an examn. leading to a Univ. degree in all the four first-yr. courses, Physics, Chem., Bot. and Zool. This regulation may be relaxed at the discretion of a Joint Academic Committee in certain cases where only *one* of the four first-yr. courses named above is outstanding.

Note.—Approved passes at the Advanced or Scholarship level in the G.C.E. may at present exempt, subject for subject, from the first-yr. or Intermediate examn. leading to a degree of the University.

LIBRARIES. The General Library, which is situated at the Institute of Preventive Medicine, The Parade, Cardiff, consists of a lending and reference Library, with seating accommodation for 82 readers. Bound periodicals, 1159; texts, 2325; pamphlets, 701. The Library of the Cardiff Medical Society is also housed there. Departmental Libraries are also maintained at the following Depts.: Anæsthetics, Child Health, Medical Unit, Obstetrics and Gynæcology, Pathology, Pharmacology, Preventive Medicine, Surgical Unit, Tuberculosis. Total stock of General and Departmental Libraries: Bound periodicals and texts, 9273; pamphlets, 2002; unbound periodicals, 4600. Special collection, the Lloyd-Roberts Collection of 17th- and 18th-century texts.

TEACHING HOSPITALS. United Cardiff Hospitals (Cardiff Royal Infirmary, Llandough Hospital and the Lord Pontypridd Hospital for Rheumatic Children, Cardiff). Other clinical institutions: St. David's Hospital; Cardiff City Mental Hospital; Cardiff City Isolation Hospital; Prince of Wales' (Orthopædic) Hospital, Cardiff; Cefn Mably, Glan Ely and Sully Tuberculosis Hospitals.

DEGREES AND DIPLOMAS. The School provides courses of study for the degrees of M.B., B.Ch., B.Pharm., and for the Tuberculous Dis. Dipl. and the Certif. and Dipl. in Public Health of the University of Wales (*see* p. 527).

While the courses of instruction are designed to meet the regulations for the degrees in Medicine and Surgery of the Univ. of Wales, they are also recognized as satisfying the regulations of the Univ. of London and of the Conjoint Board Examinations for the R.C.P. and R.C.S. and of other Examining Bodies.

HIGHER DEGREES (*see* University of Wales, p. 527).

FEES. Tuition: Annual Composition Fee, £35 for the first year and £45 for each of the following years; C.P.H. Composition Fee, £20; D.P.H. Composition Fee, £35; T.D.D. Composition Fee, £35. Registration, £1 : 1s., payable by all students. Examination: M.B., B.Ch., £26 : 16s.; M.D., £20; M.Ch., £20; C.P.H., £5 : 5s.; D.P.H., £10 : 10s.; T.D.D., £10 : 10s.

SCHOLARSHIPS, PRIZES AND MEDALS. Dr. Price Prize, £50; Isaac Roberts Scholarship, £50; Samuel Bros. Scholarship, £12-£15; Dr. Howell Rees Scholarship, £17 : 10s.; Alfred Sheen Prize, £5; The Cardiff Medical Society Prize, value £10 : 10s.; John Maclean Prize and Medal; Willie Seager Prizes and Medals; The David Hepburn Medal, and The Alfred Hughes Medal; Soc. of Med. Officers of Health (Welsh Branch) Prize in Hygiene; Elizabeth Pipe Prize.

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II.

REFECTORY AND RESIDENCE (Warden: F. Dodsworth, F.C.I.S.). The Refectory and Residence is combined. There is accommodation for about 45 residents—£110 p.a. (including vacation term).

STUDENT HEALTH SERVICE. The Univ. has established a Student Health Department which is accommodated in the Institute of Preventive Medicine.

The Medical Officers conduct examinations of all students of the University of Wales free of cost and are also available for free consultation and advice.

MEDICAL STUDENTS' CLUB. Medical students of all years, whether in the University College of South Wales and Monmouthshire, Cardiff, or in The Welsh National School of Medicine, become members of the Medical Students' Club and of the Students' Union Society of the University College, Cardiff.

The Student Organizations provide numerous social functions as well as facilities for Rugby and Association football, hockey, tennis, cricket, squash and swimming.

The Medical Students' Club includes a Scientific Society which arranges lectures, demonstrations and discussions on medical and cognate subjects.

TERMS. Sept. 30–Dec. 10, 1954; Jan. 11–Mar. 25; April 19–June 30, 1955.

PUBLICATIONS. *Prospectus* and *Regulations* (free). Students' Mag. *The Leech*, 2s., twice a yr.

THE YEAR 1952–53

NEW BUILDINGS. Work continued on new Maternity Dept. for United Cardiff Hosps., which includes accomm. for professorial unit and facilities for teaching and res.; provisional schedules of accomm. for new hosp. and med. sch. (including provision for dental sch. and hosp.) are still under consideration by Govt. depts. concerned.

NEW POSTS. Professorship of Obstet. and Gynæcol. made full-time appt.; negotiations completed with National Coal Bd. for establishment of res. Fellowship in Dermatol. for investigation of Dermatitis of miners.

RETIREMENTS. Prof. G. I. Strachan (Obstet. and Gynæcol.); J. B. Haycraft (Recog. Clin. Teacher, Surg.).

RESIGNATIONS. I. F. Barwell-Clarke (Surg.), apptd. to commission in Canadian Army; Dr. F. R. Magarey (Pathol.), apptd. to Syd. Univ.; Dr. O. G. Williams (Blood Transfusion Officer), apptd. Consultant Pathologist at Swansea; Dr. A. J. Rook (Dermatol.), apptd. to Addenbrooks Hosp., Camb.; Dr. H. A. Ross (Recog. Teacher in Tuberculosis), apptd. to Welsh Regional Hosp. Bd. (Tuberculosis Division); Dr. G. D. Powell (Pathol.), apptd. to City General and Middlewood Hosp., Sheff.; Dr. R. A. Parker (Pathol.), apptd. to Camb. Univ.; Dr. J. L. Dunscombe (Pathol.), apptd. to West Suffolk General Hosp.

DEATHS. Sir Leonard Twiston-Davies (Member of Sch. Council); G. F. Evans (Member of Sch. Council); Principal Ellen Evans (Member of Sch. Council); Emer. Prof. Sir Ewen J. Maclean (former Prof. of Obstet. and Gynæcol., Member of Sch. Council); Prof. W. J. Jones (Member of Sch. Senate); Dr. C. Williams (former Lectr. in Pub. Health).

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	183	57
Women	79	94
Total	262	151

Postgraduate students, 25.

New admissions, 97 (incl. 34 for B.Pharm. degree course).

Students (full-time) from other countries, 10. (Countries from which largest numbers came: British W. Indies, 3; Poland, 2; Czechoslovakia, 2; Nigeria, 2.)

DEGREES AWARDED (by Univ. of Wales) AND DIPLOMAS. M.Ch., 1, M.Pharm., 1; Ph.D., 3; M.B., B.Ch., 55; M.B., Ch.B. (Edin.), 1; B.Pharm.; 20; T.D.D., 16; L.R.C.P., M.R.C.S., 9; L.M.S.S.A., 1; C.P.H., 3; D.P.H., 4.

[*Information compiled as at* 15/6/54; *Staff list revised on* 18/10/54].

UNIVERSITY COLLEGE OF THE SOUTH WEST OF ENGLAND, EXETER*

Founded 1901

Telephone: Exeter 4141.

PRESIDENT—The Most Hon. THE MARQUESS OF SALISBURY, K.G.

DEPUTY PRESIDENT AND TREASURER—B. G. LAMPARD-VACHELL, M.A. Camb., LL.B. Lond.

PRINCIPAL—J. W. COOK, D.Sc., Ph.D. Lond., Sc.D. Dub., F.R.I.C., F.R.S.

VICE-PRINCIPAL—Professor H. B. GARLAND, M.A., Ph.D. Camb.

SECRETARY—RODERICK ROSS, M.A. (Admin.) Manc.

ACADEMIC REGISTRAR—ALAN G. BARTLETT, M.A. Camb.

LIBRARIAN—L. J. LLOYD, M.A. Camb.

SECRETARY OF THE INSTITUTE OF EDUCATION—A. MILTON, M.A. Camb.

TEACHING STAFF

Agriculture

Moore, H. I., M.Sc., Ph.D. Leeds, Dip. Agric. Camb. (Principal of Seale-Hayne Agric. Coll.) Prof.

Botany

Caldwell, J., D.Sc. Glas., Ph.D. Glas. and Camb. Prof.

Ainsworth, G. C., B.Sc., Ph.D. Lond., F.L.S. (Mycol.) Reader.

Wilkinson, J., Ph.D Durh., F.L.S. Lectr.

Gillham, Mary E., B.Sc., Ph.D. Wales Asst. Lectr.

Chemistry

Britton, H. T. S., D.Sc. Lond. and Brist., D.I.C., F.R.I.C. Prof.

Gregg, S. J., D.Sc., Ph.D. Lond., F.R.I.C. (Surface C.) Reader.

Lecturers

King, Ruth, M.Sc. Lond. (Org. C.).

Long, L. H., B.Sc., Ph.D. Lond., Ph.D. Camb., D.I.C.

Schofield, K., D.Sc., Ph.D. Durh., F.R.I.C.

Whitehurst, J. S., B.Sc., Ph.D. Lond.

Bishop, E., B.Sc. Glas.

Classics

Clayton, F. W., M.A. Camb. Prof.

Knight, W. F. J., M.A. Oxon., F.R.S.L. Reader.

Lecturers

Mathewson, I. R. D., B.A. Oxon.

Shefton, B. B., M.A. Oxon.

Stubbs, H. W., M.A. Oxon.

Economics

Sykes, J., M.A., Ph.D. Leeds, M.Com. Manc. Prof.

Lecturers

Burton, H., M.A. Oxon.

Burton, Mrs. Patricia, B.A. Wales.

* Associate Member of the Association of Universities of the British Commonwealth.

Meyer, F. V., B.Sc. (Econ.), Ph.D. Lond.
Rose, H., M.A. Oxon.
Steer, W. S., LL.B. Lond., D.P.A. (Pub. Admin.).
Dunsire, A., M.A. Edin. (Pub. Admin.)

Assistant Lecturers

Williams, A. H., B.Com. Birm.
Vile, M. J. C., B.Sc. (Econ.), Ph.D. Lond.

Education and Psychology

Curle, A. C. T. W., M.A., B.Sc., D.Phil. Oxon. Prof.

Lecturers

Barling, T. J., M.A. Birm.
Collins, D. C., M.A., Ph.D. Lond.
Topsfield, Sylvia C., M.A. Oxon., B.A. Lond.
Ross, Isabel G. T., M.A. Aberd.
Winter, H. J. J., D.Sc., Ph.D. Lond.
Hourd, Marjorie L., B.A. Brist, B.Litt. Oxon.
Harvey, Mrs. C. Clare, B.Sc. Lond. Pt.-time Lectr.
Staniland, A. C., B.A. Lond. (Visual Educn.)
Cumming, A. M. (Gardening) Asst.

Instructors

Fairclough, H. D. (Physical Educn.).
Goodwin, Doreen V. (Physical Educn.).

English

Horrox, W. L., M.A. Camb. Prof.

Lecturers

Cruttwell, M. J. P., B.A. Camb.
Dexter, Kathleen M., B.A. Lond.
Speirs, J. H., B.A. Camb., M.A. Aberd.
Suddaby, Elizabeth, M.A. Oxon.
Wright, Bertha D., M.A. Edin., Ph.D. Lond.

French

Niklaus, R., B.A., Ph.D. Lond., L. ès L. Lille Prof.

Lecturers

Duthie, Enid L., M.A. St. And., D. de l'U. Paris
Wilson, Aileen, M.A. Dub., D. de l'U. Paris.
Yarrow, P. J., M.A. Camb.
Fox, J. H., B.A. Lond., D. de l'U. Paris.

Part-time Lecturers

Fox, Jacqueline E., L. ès L. Paris
Jenne, T. G., M.C., B.A. Lond.

Geography

Davies, A., M.Sc. Wales Reardon Smith Prof.

Lecturers

Patterson, Mrs. Ethel J., M.A. Liv., Ph.D. Lond. (on leave).
Shorter, A. H., M.A. Manc., Ph.D. Lond., F.S.A.
Johns, E. M., M.A. Camb.
Ravenhill, W. L. D., M.A. Wales.
Waters, R. F., M.A. R'dg.

Geology

Stuart, A., M.Sc. Durh., F.G.S. Hd. of Dept.
Dineley, D. L., B.Sc., Ph.D. Birm., F.G.S. Lectr.
Bowen, R. N. C., B.Sc., Ph.D. Lond., F.G.S. Lectr.

German

Garland, H. B., M.A., Ph.D. Camb. Prof.
Swinburne, Hilda, M.A. Oxon. Lectr.
Garland, Mrs. Hertha M. L., B.A. Lond. Lectr.

History

Barlow, F., M.A., D.Phil. Oxon. Prof.
Handcock, W. D., M.A. Brist., B.Litt. Oxon. Sr. Lectr.

Lecturers

Greenaway, G. W., M.A. Camb.
Jacobs, D., M.A. Camb.
Wolfson, Freda, M.A. Rand, Ph.D. Lond.

Youings, Joyce, B.A., Ph.D. Lond.
Clapp, B. W., B.A. Lond.
Hennessy, C. A. M., B.A. Oxon. Asst. Lectr.
Fox, Lady Aileen, M.A. Camb., F.S.A. (British Archæol.) Sp. Lectr.
Coate, Mary, M.A. Oxon., F.S.A., F.R.Hist.S. (Local Hist.) Hon. Lectr.

Law

Morgan, J. G., M.A. Oxon., LL.B. Lond. Bracton Prof.
Hall, J. S., M.A., LL.B. Camb. Lectr.
Roberts, C. H., M.A. Oxon. Lectr.
Connelly, C. J., LL.B. Lond. Lectr.
Warde, J., M.A. Oxon. Pt.-time Lectr.

Mathematics

Brown, T. A., M.A. Camb., M.A., B.Sc. Edin., F.R.A.S. Prof.
Price, A. T., D.Sc. Manc., F.R.A.S. (Appl. M.) Prof.
Hayman, W. K., M.A. Camb. (Analysis) Reader.

Lecturers

Mallison, H. V., M.A. Camb., B.Sc. Lond.
Unthank, H. W., B.A. Camb., M.A., B.Sc. Lond., F.R.A.S.
Williams, J., M.Sc. Wales.
Button, Lilian G., M.Sc. Lond.
Halberstam, H., M.Sc., Ph.D. Lond.
Fletcher, G. C., B.Sc., Ph.D. Lond.

Music

Moore, R., B.Mus. Durh., F.R.C.O. Dir.

Philosophy

Levine, I., M.A., D.Litt. Glas. Prof.
Mitchell, G. D., M.B.E., B.Sc. (Econ.) Lond. (Sociol.) Lectr.
Callard, M. Pauline, B.Com. Lond. (Sociol.) Lectr.
Hewitt, Margaret, B.A., Ph.D. Lond. (Sociol.) Lectr.
Matthews, Gwynneth M., B.A. Oxon. Asst. Lectr.
Scott, Phyllis M., M.A. Edin. (Soc. Sci.) Tutor.
Jaspan, M. A., B.A. Natal, B.Sc. Oxon. (Sociol.) Res. Fellow.

Physics

Richardson, H. O. W., Ph.D. Camb., D.Sc. Edin. Prof.
Grew, K. E., Ph.D., D.Sc. Birm., Ph.D. Camb., F.I.P. Sr. Lectr.

Lecturers

Lothian, G. F., M.A. Oxon., F.I.P.
Portman, N. A., B.Sc. Lond.
Searle, V. H. L., M.Sc. Lond.

Theology

Carpenter, Rev. S. C., M.A., D.D. Camb. Hd. of Dept.
Jalland, Rev. T. G., M.A., D.D. Oxon. Lectr.

Zoology

Harvey, L. A., M.Sc. Lond., D.I.C. Prof.
Hawes, R. S. J., B.Sc., Ph.D. Lond. Lectr.
Vickers, G. G., M.Sc. Sheff. Lectr.
Linn, I. J., B.Sc. Edin. Lectr.

Extra-Mural Studies

Sellon, H. G. R., M.A. Oxon. (Internat. Pol.) Prof. and Hd. of Dept.

Resident Tutors

Angove, Phyllis M., B.A. Lond.
Hallowell, E., M.A. Oxon.
Harris, F. L., O.B.E., M.A. Oxon.
Hollander, H., D.Phil. (Mus.) Vienna.
Lewis, C. A., B.A. Manc.
Malbon, Gladys, M.A. Lond.
Pim, J. R., M.A. Oxon.

Todd, A. C., B.A. Lond.
Tudor, G. D. C., B.A. Oxon.
Walters, W. E., M.A. Wales.

Overseas Students

Salter, K. W., M.A. Brist. Tutor.
Parkinson, R. N., M.A. Camb. Lectr.
Lloyd, Mrs. Vera (Phonetics). Pt.-time Lectr.

Institute of Education

Milton, A., M.A. Camb. Sec.
Butler, C. D., M.A., M.Sc. (Eng.) Lond. Staff Tutor.
Lee, T. R., M.A., Ph.D. Camb. Res. Fellow.

ADMINISTRATIVE AND OTHER STAFF

OFFICE OF THE SECRETARY. Accountant: W. J. Kindell, F.C.I.S.

OFFICE OF THE ACADEMIC REGISTRAR. Assistant to Academic Registrar: Mrs. Nancy Dineley, M.A. Oxon.

LIBRARY. Sub-Librarians: A. A. Brockett, B.A. Lond, F.L.A.; Joyce Packer, B.A. Lond.

WARDENS OF HALLS OF RESIDENCE. Reed Hall (men), Prof. H. O. W. Richardson, Ph.D. Camb., D.Sc. Edin.; Mardon Hall (men), Prof. I. Levine, M.A., D.Litt. Glas.; Exeter Hall (men), J. H. Speirs, B.A. Camb., M.A. Aberd.; Crossmead Hall (men), H. Halberstam, M.Sc., Ph.D. Lond.; Hope Hall (women), Ruth King, M.Sc. Lond.; Lopes Hall (women), Isobel G. T. Ross, M.A. Aberd.; Thomas Hall (women), Margery H. Pairpoint, B.Sc. Lond.; Birks Grange (women), Lilian G. Button, M.Sc. Lond.; Barton Place (women), M. Pauline Callard, B.Com. Lond.

TUTOR TO BRADNINCH HALL (NON-RESIDENT) STUDENTS. D. Jacobs, M.A. Camb.

LAZENBY CHAPLAIN. Rev. R. J. H. Shutt, M.A., Ph.D. Durh.

NORMAN LOCKYER OBSERVATORY. Director: D. L. Edwards, D.I.C. F.R.A.S.

MEDICAL OFFICERS. R. F. Foulkes, M.B., B.S. Lond.; G. L. Stumbles; Mrs. Dorothy Stumbles, M.B., Ch.B. Birm.

APPOINTMENTS OFFICER. Roderick Ross, M.A. (Admin.) Manc.

GENERAL INFORMATION

Organized as a College, 1901. Incorporated under its present title, 1922.

CONSTITUTION. The supreme governing body of the College is the Court, and the chief executive body the Council. Academic matters are controlled by the Senate and by Boards of Faculties of Arts, Science and Social Studies.

FACULTIES AND CHAIRMEN. *Arts*, Prof. I. Levine (Philos.); *Science*, Prof. A. T. Price (Appl. Maths.); *Social Studies*, Prof. J. Sykes (Econ.).

LIBRARY. Roborough Library, opened in 1940, accommodates over 94,000 books, including some rare editions and early printed books.

OBSERVATORY. The Norman Lockyer Observatory, Sidmouth, became a constituent part of the University College in 1948.

INSTITUTE OF EDUCATION, Thornlea, New North Rd., Exeter (*Telephone*: Exeter 54402). Secretary: A. Milton, M.A. Constituent Colleges: Training

Dept. of the University College (Prof.—A. C. T. W. Curle, M.A., B.Sc., D.Phil. Oxon.); St. Luke's College, Exeter (Men) (Principal—J. L. Smeall, M.A.); Rolle College, Exmouth (Women) (Principal—Geraldine M. Croft, O.B.E., B.A.).

ADMISSION. For degree courses the minimum entry requirement is matriculation in the Univ. of London (*see* Appendix I); for certain Dipl. courses unmatriculated applicants may be considered. The minimum age for entry is 17 years, but candidates between 16 and 17 may be admitted by special resolution of the Senate.

DEGREE COURSES. Courses for the external Degrees of the Univ. of London in Arts, Science, Theology, Economics, Sociology, Law.

COLLEGE DIPLOMAS AND CERTIFICATES, ETC. Cert. and Dipl. of Inst. of Educn., Cert. in Visual Educn., Cert. in Educn. for Overseas Students, Testamur in Engl. Lang. and Lit. for Overseas Students, Testamur of Proficiency in the German Lang., Dipl. in Pub. Admin, and Dipl. in Soc. Admin. Courses for examns. of Law Society, Inst. of Physics, and Royal Inst. of Chemistry; the Cambridge Cert. in Religious Knowledge and the Univ. of London Dipl. in Theol.

POSTGRADUATE WORK. Provision for supervised research work in the several Faculties, whether as part of the course for a higher degree or otherwise.

AFFILIATION. The College is recognized as an associated Institution by the Univs. of Oxford and Cambridge.

FEES. Arts (Inter. and Final), £34 : 10s.; Science (Inter. and Final), £39 : 5s.; Economics (Prelim. and Final), £36 : 10s.; Sociology, £34 : 10s.; Law (Inter. and Final), £34 : 10s.; Education Certif., £53; Testamur in English for Overseas Students, £45; Certificate in Education for Overseas Students, £75; Visual Education Certif., £31 : 10s.; Diplomas in Public Admin. and Soc. Admin. (full-time) £36 : 10s., (pt.-time) £10 : 10s.; Registration, £2. *Note.*—Fees at reduced rate payable by students from Devon, Cornwall, Dorset, Exeter and Plymouth. Addl. fees for Field Work: For B.A. Hons. Geog., addl. £10; B.Sc. Spec. in Bot., Geog. and Zool., addl. £10; B.Sc. Spec. Gen. and Subsid. in Geol., addl. £10; B.Sc. Gen in Zool. and Inter. Sc. in Geol., addl. £3.

SUMMER SCHOOL. The Coll. organizes a Summer School in Engl. Studies for Overseas Students annually in the month of Aug.

ENTRANCE SCHOLARSHIPS. On the results of an annual Entrance Scholp. Examn. the Coll. awards open Scholps. (max. value £80), open Exhibitions (max. value £40) and various closed Scholps. Certain of these are recognized by the Ministry of Educn. as qualifying for supplementary State Scholps.

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II.

RESIDENCE. (For Wardens *see* "Administrative and other Staff," p. 565.) For Women (Fees: £110-£113): Hope Hall, Prince of Wales Rd., Exeter, 101 students; Lopes Hall, St. German's Rd., Exeter, 103 students; Thomas Hall, Cowley Rd., Exeter, 47 students; Birks Grange, New North Rd., Exeter, 20 students; Barton Place, Wreford's Lane, Exeter, 22 students. For Men: (Fees: £113-£118): Reed Hall, Streatham Dr., Exeter, 61 students; Exeter Hall, Pennsylvania Rd., Exeter, 82 students; Mardon Hall, Streatham Dr., Exeter, 83 students; Crossmead Hall, Dunsford Hill, Exeter,

57 students. All students not living at home must reside in one of the Halls of Residence, as far as accomm. permits.

EXTRA-MURAL DEPT. *Postal Address*: "Knightley," Streatham Drive, Exeter. *Telephone*: Exeter 55461-2.

PUBLICATIONS. College *Calendar*, 1s. 6d.; College *Prospectus* (free); College *Gazette* (free); *Prospectus of the Department of Education* (free); *Regulations for Entrance Scholarships* (free); *Annual Report* (free) in Jan.; Guild of Undergraduates' *Handbook*.

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. Late Col. R. Pickard, bequest of £400 for general purposes; Messrs. Albright & Wilson, Ltd., £250 to Dept. of Chem.; I.C.I., £250 for res. in Dept. of Chem.; Anglo-Saxon Petroleum Co., Ltd., £360 p.a. for 3 yrs. for a "Shell" Res. Studentship.

BUILDINGS. Hatherly Biol. Labs. officially opened on 23rd April, 1953, by Sir Edward Salisbury, Dir. of Royal Botanic Gardens, Kew.

PRINCIPALSHIP. On Sept. 1st, 1953, Prof. H. B. Garland was apptd. Acting Principal, following death of Sir Thomas Taylor on August 29th.

EXTRA-MURAL WORK. 160 courses held in Devon and Cornwall attended by 2402 students, and 25 week-end schools attended by 355 students. 760 attendances at other activities.

RESIGNATIONS. Prof. W. N. Medlicott (History), apptd. Stevenson Prof. of Internat. Hist., Lond.; P. B. Kennedy (Maths.), apptd. Asst. Lectr., U.C., Aberystwyth; A. R. Ilersic (Econ.), apptd. Lectr., Bedford Coll., Lond.

DEATHS. Sir Thomas Taylor (Principal); Col. R. Pickard (Vice-President); R. G. Saunders (Member of Council); Col. J. E. H. Balfour and H. T. Michelmore (Life Members of Coll.).

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	595	35
Women	385	15
Total	980	50

Postgraduate students: Research, 31; others, 96.

New admissions, 365.

Students (full-time) from other countries, 140. (Countries from which largest numbers came: Nigeria, 24; Egypt, 24; U.S.A., 16; Gold Coast, 9; Kenya, 8.)

161 students attended the Summer School for Overseas Students in August 1953. (Not included in figures above).

DEGREES (London External). Ph.D., 7; M.A., 1; M.Sc., 1; B.A., 80; B.Sc., 75; LL.B., 3; B.Sc. (Econ.), 21.

DIPLOMAS. Cert. of Inst. of Educn., 64; Dipl. in Publ. Admin., 16; Dipl. in Soc. Admin., 7; Dipl. in Engl. Studies for Egyptian Students, 9; Testamur in Engl. Lang. and Lit. for Overseas Students, 8; Testamur of Proficiency in the German Lang., 7.

[*Information compiled as at* 20/6/54
Staff list revised on 20/10/54.]

UNIVERSITY COLLEGE OF LEICESTER*

Founded 1918; Royal Charter 1950

Telegrams: University Leicester.
Telephone: Leicester 65211 (3 lines).

VISITOR—Professor GILBERT MURRAY, O.M., M.A., D.Litt., D.C.L. Oxon., Litt.D. Camb., LL.D. Glas., D.Litt. Birm., F.B.A., F.R.S.L.

CHAIRMAN OF COUNCIL—H. PERCY GEE, C.B.E., J.P.

PRINCIPAL—CHARLES H. WILSON, M.A. Glas. and Oxon.

REGISTRAR—H. B. MARTIN, B.Com. Lond., F.C.I.S.

LIBRARIAN—RHODA BENNETT, M.A. Lond., F.L.A.

TEACHING STAFF

Botany

Tutin, T. G., M.A. Camb., F.L.S. Prof.
Conolly, Ann P., M.A. Camb. Lectr.
Wangermann, Elisabeth, M.Sc., Ph.D. Manc. Lectr.
Tutin, Mrs. Winifred, B.Sc., Ph.D. R'dg. Pt.-time Lectr.
Boylen, Joyce B., M.A. Tor. Nuffield Res. Asst.

Chemistry

Hunter, L., D.Sc., Ph.D. Lond., F.R.I.C. Prof.
Eaborn, C., B.Sc., Ph.D. Wales. Reader.

Lecturers

Peeling, E. R. A., B.Sc., Ph.D. Lond.
Harvey, S. H., B.Sc., Ph.D. Lond.
Shaw, Florence R., B.Sc., Ph.D. Leeds, F.R.I.C.
Macleod, N., B.Sc., Ph.D. Lond.
Bott, R. W., B.Sc. Belf. Asst. Lectr.

Economics and Commerce

Pool, A. G., B.Sc. (Econ.), Ph.D. Lond. Dean, Prof.
Conway, Freda C., B.Sc. Lond., M.A. (Com.) Manc. Lectr.
Groves, P. S., B.Sc. (Econ.) Lond., Ph.D. Camb. Lectr.
Ford, A. G., B.A. Oxon. Asst. Lectr.
Mason, Rev. L., B.A., B.D. Manc. Pt.-time Lectr.
Llewellyn, G., M.A. Wales Res. Asst.

Education

Tibble, J. W., M.A., M.Ed. Leeds Dean, Prof.
Bantock, G. H., M.A. Camb. Reader.

Lecturers

Roberts, I. E., B.Sc. Wales.
Pedley, R., M.A., Ph.D. Durh.
Swainson, Beatrice M., M.A. Lond., D.Phil. Oxon.
Wight, R. M., B.L. Aberd.
Collins, Mrs. Mildred, B.Sc. Lond. and Birm.

* Associate Member of the Association of Universities of the British Commonwealth.

Flemming, W., M.Sc., M.A. Liv.
Simon, B., M.A. Camb.
Welford, M. F., B.A. Lond. Asst. Lectr.

Part-time Lecturers

Eaborn, Mrs. Joyce, B.A. Wales.
Hopkinson, Mrs. I., B.A. Lond.
Crammer, R. W., M.A. Camb.

English

Humphreys, A. R., M.A. Camb., A.M. Harv. Prof.

Senior Lecturers

Collins, A. S., M.A., Ph.D. Lond.
Horne, C. J., M.A. Melb., M.A., B.Litt. Oxon.

Lecturers

Jones, M. Monica B., M.A. Oxon.
Luttrell, C. A., B.A. Lond.
Craik, T. W., M.A., Ph.D. Camb. Asst. Lectr.

French

Sykes, L. C., M.A. Sheff., D.Phil. Oxon. Dean, Fac. of Arts, Prof.
Hemmings, F. W. J., M.A., D.Phil. Oxon. Reader.
Rasmussen, B. H., B.A. Lond. Sr. Lectr.

Lecturers

Favre, A. C., L. ès L. Toulouse.
Hampton, J., B.A. Sheff., D. de l'U. Paris.
Morin, Mlle S. M., L. ès L. Bordeaux Lectrice.

Genetics

Fincham, J. R. S., M.A., Ph.D. Camb. Reader.

Geography

Pye, N., B.A. Manc. Prof.

Lecturers

Millward, R., M.A. Camb.
Fisher, C. A., M.A. Camb.
Robinson, A. H. W., M.Sc. Lond.
Pitt, Margaret O., M.A. Camb. Asst. Lectr.

Geology

Whitaker, J. H. McD., M.A. Camb., B.Sc. Lond. Lectr.
Ford, T. D., B.Sc., Ph.D. Sheff. Lectr.

German

Powell, P. H., M.A. Wales, Ph.D. Rostock Hd. of Dept.
Willson, H. B., M.A. Camb. Lectr.
Thomas, C. R., M.A. Camb. Pt.-time Lectr.
Kitson, N. W., B.A. Lond. Pt.-time Lectr.
Just, K. G., Ph.D. Würzburg Lektor.

Government

Hookham, M., B.Sc. (Econ.) Lond. Lectr.

History

Simmons, J., M.A. Oxon., F.R.S.L. Prof.

Lecturers

Evans, Mrs. Anne K. B., B.A., Ph.D. Lond., F.R.Hist.S.
Evans, R. H., M.A. Oxon.
Scarfe, N., M.A. Oxon.
McKinley, R. A., M.A. Manc. Pt.-time Lectr.

History, Economic

Dyos, H. J., B.Sc. (Econ.), Ph.D. Lond. Lectr.
Martin, G. H., B.A. Oxon. Asst. Lectr.

History, English Local

Finberg, H. P. R., M.A. Oxon., F.R.Hist.S. Reader and Hd. of Dept.
Thirsk, Mrs. I. Joan, B.A., Ph.D. Lond. Sr. Res. Fellow.

Latin and Greek

Leon, P., M.A. Oxon. Prof.
Rushworth, E., M.A. Camb. Lectr.
Ewins, Ursula E., B.A. Oxon. Lectr.

Spire, Sheila G., B.A. Camb.
Asst. Lectr.

Mathematics

Goodstein, R. L., B.A., M.Sc. Camb., D.Lit., Ph.D. Lond.
Dean, Fac. of Sci., Prof.

Senior Lecturers

Whitfield, E. V., M.A. Camb., B.Sc. Manc.
Primrose, E. J. F., M.A. Oxon.

Lecturers

Buckley, R., B.Sc. Lond.
Dienes, Z. P., B.A., Ph.D. Lond.
Gandy, R. O., M.A., Ph.D. Camb.
Davies, R. O., M.A., Ph.D. Camb.
Owens, P. J., M.A. Camb.
Asst. Lectr.

Music

Burrows, B., Mus.D. Lond., F.R.C.O. Pt.-time Lectr.
Gray, G. C., B.Mus. Durh., F.R.C.O. Pt.-time Lectr.

Physics

Stewardson, E. A., M.Sc. Liv., Ph.D. Camb. Prof.
Haywood, C. A., B.Sc. Birm.
Sr. Lectr.

Lecturers

Hunter, A. N., B.Sc. Lond.
Wilson, J. E., M.A. Oxon.
Rogers, Mrs. Charmian, B.Sc., Ph.D. Lond.
Spear, W. E., B.Sc., Ph.D. Lond.
Russell, P. C., M.Sc. Lond.

Research Demonstrators

Chapman, K. R., B.Sc. Lond.
Stockting, J., B.Sc. Wales.

Social Studies

McKay, Sheila S., B.A. Manc. Dir.
Jones, H., B.Sc. (Econ.), Ph.D. Lond. Tutor.
Mounsey-Wood, Rosamund E., B.A. Oxon.
Pt.-time Tutor.

Sociology

Neustadt, I., Dr.Sc. (Econ.) Liége, Ph.D. Lond. Sr. Lectr.
Elias, N., M.B., D.Phil. Bres.
Lectr.

Zoology

Moon, H. P., M.A. Camb., F.L.S. Prof.

Lecturers

Moody, Joyce, B.Sc. Sheff.
Webb, Marjorie G., B.A. Camb., Ph.D. Liv.
Guthrie, D. M., B.Sc. Lond.
Asst. Lectr.

Institute of Education

Tibble, J. W., M.A., M.Ed. Leeds Dir.
Kean, A. M., M.A. Glas. Org. Sec.
Hughes, E. W., M.A., B.Sc. Birm. Res. Organizer.
Semple, S., M.A. Lond.
Staff Tutor.
Higson, Constance W. J., M.A., Ph.D. Camb., F.L.A.
Librarian.

Extra-Mural Adult Education

Allaway, A. J., M.A. Sheff. Prof.
Collins, P. A. W., M.A. Camb.
Warden, Vaughan Coll.
Barnes, R., M.A. Camb.
Staff Tutor.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar, J. Taylor, B.Sc. (Econ.) Lond. Asst. to Registrar, G. B. Pyrah, B.A., Ph.D. Leeds. Accountant, E. C. Goldspink. Asst. Accountant, F. C. Pope. Admin. Assts.: Dept. of Adult Educn., J. D. Gould, B.A. Lond., M.A. Brist., G. W. Fenn, B.A. Camb.; Inst. of Education, J. Boyers, B.A. Lond. Sub-Librarian, J. A. Barker, M.A. Edin. Sr. Asst Librarian, M. Ivory R. Buchan, M.A. Edin., F.L.A. Asst. Librarian, Maureen Bateman, M.A. Camb. Physical Educn. and Welfare Officer, R. M. Wight, B.L. Aberd. Medical Officer, Dr. W. E. Howell. Wardens: Men's Hall, R. I., Bishop;

Women's Hall, Dorothy M. Forster, M.A. Oxon. Caterer, Rosemary Kerr. Clerk of Works, W. L. Lower. Maintenance Officer, A. G. Mitchell. Gardens Suptd., A. J. Hopkins.

APPOINTMENTS. The Asst. Registrar.

GENERAL INFORMATION

University College was founded in 1918. The fine site and bldgs. on high ground only one mile from the centre of the city, were given by the late T. Fielding Johnson in 1919, and a substantial endowment fund was subscribed by leading citizens. Courses began in 1921. The Coll., since its inception, has been liberally supported by the City Council, and also receives an annual grant from the Leicestershire Educn. Cttee. In 1945 it was recognized by the Univ. Grants Cttee. and placed on the list of Univ. Institutions receiving grants from the Exchequer. In 1950 the Coll. received a Royal Charter of Incorporation as a Univ. Coll.

CONSTITUTION. Under the Charter the governing body of the College is the Court of Governors. The Council is responsible to the Court for the management of the whole of the College's affairs. The Senate, an academic body consisting entirely of members of staff, controls such matters as are committed to it by the Council. The Boards of the Faculties are responsible to Senate for the work of the respective Faculties.

FACULTIES AND DEANS. *Arts*, Prof. L. C. Sykes (Fr.); *Economics and Social Studies*, Prof. A. G. Pool; *Education*, Prof. J. W. Tibble; *Science*, Prof. R. L. Goodstein (Maths.).

LIBRARY. About 85,000 vols.; espec. notable for 2 collections: the Robjohn Collection of Bibles, the works of Bunyan and early printed books; and the Hatton Topographical Library. Sp. attention has been given to English Local Hist. A large extension to the Library has recently been completed.

DEGREE COURSES. Students are prepared for the first and higher external degrees of the Univ. of London in the Facs. of Arts, Sci. and Econ.

DIPLOMA AND CERTIFICATE COURSES. For the Grad. Cert. in Educn. (postgrad. 1-yr. course), Dipl. in Soc. Studies (2 yrs.), and London Dipl. in Geography (2 yrs.).

RESEARCH. Facilities are available in all Depts. for postgrad. study and res., and postgrad. scholps. are offered annually. The Research Bd. makes grants in aid of specific pieces of res. and towards cost of publication. Sp. facilities are available for res. in English Local Hist.

ADULT EDUCATION. The Extra-Mural Dept. covers Leicester, central and south Leicestershire, and its main centre at Vaughan College (Great Central Street, Leicester; *Telephone*: Granby 364) provides a wide range of courses in non-vocational subjects and full student amenities.

SOCIAL STUDIES. The School of Social Studies at 1 Salisbury Rd., Leicester (*Telephone*: Leicester 60420), provides lecture rooms, etc., for students taking the 2-yr. Dipl. Course.

INSTITUTE OF EDUCATION. The Inst. occupies separate premises at 328 London Rd., Leicester (*Telephone*: Leicester 78133), where it provides lecture rooms, reading rooms, library (12,000 vols.) and an information service for teachers. The Institute is an Area Training Organisation for the training of

teachers. It comprises the following constituent member institutions—the Univ. Coll. Dept. of Education; Leicester Coll. of Art; City of Leicester Training Coll.; Leicester Domestic Science Training Coll.

ADMISSION. For entry to full-time courses students should normally be at least 17. For degree courses, minimum entry requirement is matric. in Univ. of London (*see* Appendix I); and for entry to Fac. of Sci. students must also be exempt from or have passed the Inter. Examn.

FEES. Sessional tuition fees: First Degree in Arts, £34; in Sci., £40; in Econ., £34; Postgrad. Courses in Arts, £10; in Sci., £14; in Econ., £10; in Educn., £48; Dipl. Course in Soc. Studies, £32.

SCHOLARSHIPS. Open Scholps., value £40-£50 a yr., are awarded annually on a Scholps. Examn. held in Feb. or March. The Scholps. are recognized by the Ministry of Educn. for the award of State Scholarships. State Scholps. are tenable at the Coll. Mary Ager Studentships are available to enable students of Modern Langs. to spend a period abroad during their course.

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II.

VACATION COURSE FOR OVERSEAS STUDENTS. The College holds annually in July a three-week residential Vacation Course in English Language, Literature and Education for students from overseas. The Course is particularly suitable for foreign teachers of English.

RESIDENCE. (For Wardens *see* "Administrative and other Staff," p. 570.) For women (fees: £100 a session): College Hall, University Road (*Telephone*: Warden, Leicester 20978; Students, Leicester 214851); Latimer House and Herrick House, Carisbrooke Road (*Telephone*: Leicester 78868)—145 students. For men (fees: £110 a session): Beaumont Hall, Stoughton Drive South (*Telephones*: Warden, Leicester 77322, Senior Tutor, Leicester 74634, Dom. Bursar, Leicester 75502, Students, Leicester 753991); Digby House, Stoughton Drive South (*Telephone*: Oadby 897), Hastings House, Stoughton Drive South (*Telephone*: Oadby 888), Shirley House, Manor Road (*Telephone*: Oadby 881), Villiers House, Manor Road (*Telephone*: Oadby 992), Bredon, Manor Road (*Telephone*: Oadby 907), Stoughton Leys, Manor Road (*Telephone*: Oadby 254)—234 students.

APPOINTMENTS. An Appts. Service, under the direction of the Asst. Registrar, is provided for present and former students of the Coll.

STUDENTS' UNION. All full-time students are required to be full members of the Students' Union, which controls the 53 clubs and societies which organize its social, cultural and athletic activities.

ATHLETIC FACILITIES. Two athletic grounds and pavilions are available: one at Wigston Fields, with pitches for cricket, hockey and rugby, and hard tennis courts; the other at University Fields, Oadby (Fields House, Manor Road (*Telephone*: Oadby 864)), with a first-class cinder running track, hard tennis courts, and pitches for cricket, soccer and hockey. There are also Rowing, Fencing, Swimming and Badminton Clubs.

OLD STUDENTS' ASSOCIATION. There is an active Old Students' Assocn. which holds reunions at the Coll. at Easter and in Sept. each yr., and keeps members in touch with each other and with Coll. activities and developments by means of regular *News Letters*.

PUBLICATIONS. *Calendar* (annually), *Illustrated Prospectus* (annually), *Gazette* (terminally), *Report and Accounts* (annually), *Charter and Statutes*, *Inaugural Lectures*, Students' Union Magazine *The Luciad* (terminally).

THE YEAR 1952–53

BENEFACTIONS. Will of late R. Rowley, £3700 (making a total of £44,313); Mrs. W. A. Evans, £2000, and Miss D. Evans, £500; Nuffield Foundation, grant of £2500 for bio-chem. res. in Bot. Dept.

NEW BUILDINGS. Library Extension completed, providing new reading room and stackroom, with space for additional 75,000 books now and ultimately 150,000; preparatory work begun on first stage of new bldg. for Refectory and Students' Union.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Dr. W. G. V. Balchin, Lond.; Prof. G. E. Bentley, Prin.; Mrs. J. Bennett, Camb.; Dr. J. A. Chalmers, Durh.; Prof. C. A. Coulson, Oxon.; Prof. M. J. S. Dewar, Lond.; Prof. K. C. Edwards, Nott.; Prof. M. Ginsberg, Lond.; Prof. M. V. C. Jeffreys, Birm.; Prof. O. Kahn-Freund, Lond.; Dr. F. R. Leavis, Camb.; Dr. M. M. Lewis, Nott.; Prof. G. Manley, Lond.; Prof. T. H. Marshall, Lond.; Dr. K. Mendelssohn, Oxon.; Rev. N. Micklem, Oxon.; J. H. Paterson, Camb.; Prof. R. F. Peel, Leeds; Prof. R. H. Pitt, Nott.; Prof. R. A. Rankin, Birm.; Dr. S. G. Raybould, Leeds; Sir Robert Robinson, Oxon.; Prof. G. Ryle, Oxon.; Prof. L. J. Russell, Birm.; Dr. A. E. Sandström, Uppsala; Prof. W. A. C. Stewart, N. Staffs.; Prof. A. M. Taylor, So'ton.; Dr. H. W. Thompson, Oxon.; S. E. Toulmin, Oxon.; G. T. Warwick, Birm.; Prof. T. B. L. Webster, Lond.; Prof. J. G. Wilson, Leeds; Mrs. Barbara Wootton, Lond.; G. D. N. Worswick, Oxon.; Prof. J. Z. Young, Lond.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Dr. P. W. Bryan, N. Staffs.; C. A. Fisher, Sheff. and Oxon.; Prof. R. L. Goodstein, Birm.; Prof. A. R. Humphreys, Nott.; P. Leon, Pisa, Rome, and Genoa; Dr. I. Joan Thirsk, Oxon.; Prof. J. W. Tibble, Lond. and Leeds; Prof. T. G. Tutin, Lund and Copenhagen.

RESIGNATIONS. J. D. Irwin, apptd. Asst. Registrary, Camb.; Dr. E. Matsukawa, apptd. to res. post, Cavendish Lab., Camb.; F. M. Algate, apptd. Asst. to Registrar, Univ. Coll., Hull; G. F. A. Wilmot, apptd. Admin. Asst. Extra-Mural Dept., Lond.; Dr. Barbara J. Gray; Miss G. L. Bartley; H. J. Lacey.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	468	11
Women	255	1
Total	723	12

Postgraduate students, 148.

New admissions, 218.

Students (full-time) from other countries, 28. (Countries from which largest numbers came: Gold Coast, 9; Nigeria, 6; Persia, 2; Poland, 2; Sudan, 2.)

In addition 1713 students attended courses provided by Dept. of Adult Educn.

DEGREES (London External). B.A., 60; M.A., 1; B.Sc., 70; M.Sc., 1; Ph.D., 3; B.Sc. Econ., 24.

DIPLOMAS. Education, 107; Social Studies, 22.

[*Information compiled as at* 14/6/54 ;
Staff list revised on 5/10/54.]

UNIVERSITY COLLEGE OF NORTH STAFFORDSHIRE*

Founded 1949

Postal Address : Keele, Staffordshire, England.
Telephone : Keele Park 371.

PRESIDENT—The Rt. Hon. THE EARL OF HARROWBY.

VICE-PRESIDENTS—Alderman T. HORWOOD, B.A. Camb., Hon. M.A. Manc., Hon. B.A.; Alderman L. DAVIES, O.B.E., J.P.; Councillor Dr. N. J. COCHRAN, M.B.E.

PRINCIPAL—.....

ACTING PRINCIPAL—Professor J. W. BLAKE, M.A. Lond.

HONORARY TREASURER—A. P. WALKER.

HONORARY LEGAL ADVISER—H. TAYLOR.

HONORARY ARCHITECT—J. R. PIGGOTT, F.R.I.B.A.

REGISTRAR—J. F. N. HODGKINSON, M.A. Oxon.

FINANCE OFFICER—T. BALL.

LIBRARIAN—S. O. STEWART, M.A. Glas.

TEACHING STAFF

Biology

Gemmell, A. R., B.Sc., Ph.D. Glas., M.S. Minn. Prof.

Lecturers

Badcock, Ruth M., M.Sc. Liv., F.L.S.

Evans, R. G., M.Sc., Ph.D. Wales.

Plack, R. L., B.Sc. Nott.

Assistant Lecturers

Frankland, Helga M. T., B.Sc., Ph.D. St. And.

Chemistry

Springall, H. D., M.A., B.Sc., D.Phil. Oxon. Prof.

Lecturers

Plesch, P. H., M.A. Camb., Ph.D. Manc.

Millar, I. T., B.Sc. Lond., Ph.D. Camb.

Assistant Lecturers

Cass, R. C., B.Sc., Ph.D. Brist.

Nyburg, S. C., B.Sc. Lond., Ph.D. Leeds.

.....

Classics

Charlton, J. M. T., M.A. Manc., B.A. Camb. Prof.

Rayne, R. N., M.A. Oxon. Lectr.

Assistant Lecturers

Barton, I. M., B.A. Camb.

Hill, E. R., M.A. N.Z., B.A. Camb.

.....

* Associate member of the Association of Universities of the British Commonwealth.

Economics

Williams, B. R., B.A. Melb., M.A. Adel. Prof.
Lees, D. S., B.Sc. (Econ.) Lond., Ph.D. Nott. Lectr.
Corner, D. C., B.A., B.Phil. Oxon. Asst. Lectr.
Hunter, A., M.A. Glas. Asst. Lectr.
Mills, E. S., A.B. Brown Asst. Lectr.

Education

Stewart, W. A. C., M.A., Ph.D. Lond. Prof.

Lecturers

Charlton, K., M.A., Ed.B. Glas.
Halliwell, H. F., B.Sc. Lond.
Perrott, P. Elizabeth, M.Sc. Wales.
Wilson, Mary H., M.A. Glas., B.Sc. (Econ.) Lond.
Woodcock, A. C., M.A., Dip.Ed. Leeds.
Paffard, M. K., B.A. Brist. Asst. Lectr.

English Language and Literature

Lawlor, J. J., M.A. Oxon. Prof.
Elliott, R. W. V., M.A. St. And. Lectr.
Harvey, W. J., M.A. Oxon. Lectr.
Lloyd, M. W., B.A. Oxon. Lectr.
Killham, E. J., M.A. Lond. Asst. Lectr.

Geography

Beaver, S. H., M.A. Lond. Prof.
Cole, Monica M., B.Sc., Ph.D. Lond. Lectr.

Assistant Lecturers

Williams, W. M., M.A. Wales.
Walton, A., B.A. Lond., M.A. Wis.

Geology

Cope, F. W., D.Sc. Manc., F.G.S. Prof.
Miller, T. G., M.A. Camb. Lectr.

Assistant Lecturers

Burnaby, T. P., M.A., Ph.D. Camb.
Shelford, P. H., B.Sc. R'dg.
Stone, M., B.Sc. Liv. Asst. Lectr.

Historical Theology

Roberts, T. A., B.A. Wales and Oxon. Lectr.

History

Blake, J. W., M.A. Lond. Prof.
Coles, P. H., B.A. Camb. Lectr.
Deakin, W. T., M.A. Camb. Lectr.
Leech, H. R., M.A. Oxon. Lectr.
Rolo, P. J. V., M.A. Oxon. Lectr.
Hennock, E. P., B.A. Camb. Asst. Lectr.

Mathematics

Sneddon, I. N., M.A. Camb., D.Sc. Glas. Prof.

Lecturers

Noble, B., M.A. Camb., B.Sc. Aberd.
Wallace, A. H., M.A. Edin., Ph.D. St. And.
Clunie, J. G., B.Sc. St. And., Ph.D. Aberd. Asst. Lectr.

Modern Languages

Brooke, K., B.A. Birm. Prof.
North, R. J., M.A. Lond. Sr. Lectr.
Broome, J. H., B.A., Ph.D. Lond. Lectr.
McHaffie, Margaret A., M.A. Aberd. Lectr.

Assistant Lecturers

Knight, K. G., M.A., Ph.D. Camb.
Spence, N. C. W., B.A. Leeds.
Papst, E. E., M.A. Cape T.
Varty, E. K. C., B.A. Nott.

Moral and Political Philosophy

Teale, A. E., B.A. Leeds, B.Litt. Oxon. Prof.
Montefiore, A., M.A. Oxon. Lectr.

Philosophy

Flew, A. G. N., M.A. Oxon. Prof.
Day, J. P. de C., B.A., B.Phil. Oxon. Lectr.
Keene, G. B., B.A. Birm., B.Phil. Oxon. Asst. Lectr.

Physics

Vick, F. A., O.B.E., M.Sc., Ph.D. Birm., F.I.P. Prof.
Davies, D. E., B.Sc., Ph.D. Wales Lectr.

Assistant Lecturers

Harrison, R. D., B.Sc. Birm.
Holloway, D. G., B.Sc., Ph.D. Brist.

Political Institutions

Finer, S. E., M.A. Oxon. Prof.

Lecturers

Cairns, Mary B., LL.M. Brist., Ph.D. Lond.
Glover, Mary R., M.A. Oxon.
Rolo, P. J. V., M.A. Oxon.

Assistant Lecturers

Bealey, F. W., B.Sc. Lond.
Erös, J. S., Dr.Phil. Heidel., Ph.D. Manc.
Hennock, E. P., B.A. Camb.

Psychology

Iliffe, A. H., B.A. R'dg. Lectr.

Social Studies

Glover, Mary R., M.A. Oxon. Dir. of Soc. Service Trg.
Hunter, Elizabeth, B.A. Oxon. Pt.-time Tutor.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar (Estate and Buildings): E. J. Hughes, D.P.A. Asst. Librarian: Joan E. Friedman, B.A. Camb. Principal's Sec. and Admin. Asst.: Mrs. Joan M. Morton, M.B.E. Admin. Asst.: M. Elizabeth Gildart. Wardens of Halls of Residence: Mary H. Wilson, M.A. Glas., B.Sc. Lond. (Lindsay Hall); R. N. Rayne, B.A. Oxon., and P. J. V. Rolo, M.A. Oxon. (Horwood Hall). Dir. of Physical Educn.: H. W. B. Hayley, B.Sc. Lond. Appts. Officer: A. H. Iliffe, B.A. R'dg. Coll. Med. Officer (pt.-time): J. Scott, M.B., Ch.B. Edin. Domestic Bursar: Eileen M. F. Rolfe.

GENERAL INFORMATION

The Coll. was founded by Royal Charter in Aug. 1949, and was opened in Oct. 1950. Situated at Keele Hall, where there is an estate of 200 acres, it is about 2 miles due west of Newcastle under Lyme.

CONSTITUTION of the Coll. follows pattern of modern Univs. with one important deviation. There is a Court, a Council and a Senate with the usual division of powers and duties, but in addition an Academic Council, the majority of whose members are representatives of the Univs. of Oxford, Manchester and Birmingham, and whose approval is required on all matters of academic importance.

INCOME. Income and expenditure of the Coll. will rise each yr. with annual intake of 150 students, until 1954–55, when student nos. will be approx. 520. For 1953–54, with 480 students, income excluding residential fees was approx. £180,000. Approx. percentages from different sources: Govt., 72 per cent.; Local Authorities, 18 per cent.; Fees, 10 per cent.

BOARDS OF STUDIES. Humanities: Chairman, Prof. J. M. T. Charlton (Classics); Soc. Studies: Chairman, Prof. B. R. Williams (Econ.); Science: Chairman, Prof. A. R. Gemmell (Biol.).

LIBRARY. Library started at end of 1949. Contains over 65,000 vols.

LABORATORIES. New labs. in sep. bldgs. have been erected for Phys., Chem., Biol., Geol. and Geog. The first stages have been completed and practical classes were held in all from Oct. 1952.

DEGREE COURSES. The Charter empowers the Coll. to grant its own degree of B.A. The first yr. of the 4-yr. course consists of a compulsory course of lectures identical for all students but with tutorial work adjusted to individual needs. This course is concerned with the heritage of civilization, present-day activities and the methods and influence of the experimental sciences. During the last 3 yrs., students must select not less than 4 subjects, which must include at least 1 from the Humanities and Social Studies, and at least 1 from the Sciences; 2 of these 4 subjects must be studied at principal level throughout the whole of the 3 yrs. Subjects taken at subsidiary level are studied for either 1 or 2 yrs. The B.A. degree will be awarded with Hons. where sufficient merit is shown. During these last 3 yrs., an educational dipl. course may be taken concurrently with the B.A. studies. This dipl. is recognized by the Ministry of Educn. A Social Studies dipl. may also be taken with the normal B.A. studies.

Members of staff and postgrad. students of the Coll. may, under approved conditions, be accepted as candidates for the degrees of M.A., M.Sc. and Ph.D. of the Univs. of Birmingham and Manchester.

ADMISSION. Ordinarily, candidates must be over 17, possess the normal Univ. entrance qualifications required by other U.K. Univs. and produce a satisfactory testimonial from their headmaster. Provision is made for the admission of adult students. *See also* Appendix I. Arrangements are made for the admission of 150 first-yr. students each yr., of whom approx. two-thirds will be men.

FEES. There is an inclusive fee of £40 p.a. covering matriculation, registration, Students' Union, tuition and all examn. fees. Graduation fee: £5 : 5s.

APPOINTMENTS BOARD. A. H. Iliffe, B.A., became pt.-time Appts. Officer in Nov. 1953. An Appts. Bd. will be formed.

ASSOCIATION OF PAST STUDENTS. The Keele Society, an association of past students and other members of the College, is at present in process of formation.

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II.

RESIDENCE. (For Wardens *see* " Administrative and other Staff," p. 576.) The College is almost entirely residential and only under exceptional circumstances is permission given for residence outside. There are at present 2 Halls of Residence, Lindsay Hall (*Telephone*: Keele Park 319) (180 women students), and Horwood Hall (*Telephone*: Keele Park 384 (Mr. Rayne) and 383 (Mr. Rolo)) (228 men students). *Address* (of both halls): Univ. Coll. of N. Staffs., Keele, Staffs. Residential fees are £115 per session of 30 wks.

STAFF RESIDENCES. It is intended to build residences for all teaching and some other staff. A Principal's Residence, 55 new houses, 15 bungalows and 4 lodges are available.

STUDENT HEALTH SERVICE. All students examined after admission by Coll. Medical Officer. A bldg. is set apart as a Sick Bay. Resident matron-nurse.

STUDENTS' UNION. Sep. bldg. available for Students' Union purposes. All

students are members, the annual fee of £3 being included in the composite fee. 26 acres of playing fields laid out within the estate.

PUBLICATION. *Prospectus* published annually.

THE YEAR 1952–53

PRINCIPALSHIP. Sir John Lennard-Jones, apptd. Principal and took up office on 1st April 1953.

BUILDINGS. Second stages of Biol., Chem., Geog. and Phys. labs. completed. Thirty-five acres of additional land, adjoining the estate, purchased.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	271	..
Women	144	..
Total	415	..

Postgraduate students, 3.

New admissions, 140.

Students (full-time) from other countries, 8. (Countries from which largest numbers came: Trinidad and Tobago, 3; Germany, 2; U.S.A., 2.)

[*Information compiled as at* 11/5/54 ;
Staff list revised on 18/10/54.]

ST. DAVID'S COLLEGE, LAMPETER

Founded 1822

Postal Address : Lampeter, Cardiganshire, Wales.
Telephone : Lampeter 42.

VISITOR—THE LORD BISHOP OF ST. DAVID'S.

PRINCIPAL—Rev. J. R. LLOYD THOMAS, M.A. Oxon.

Profs.—*Classics*, H. A. Harris, M.A. Oxon. ; *Welsh*, Canon W. H. Harris, M.A., B.Litt. Oxon. ; *Hist.*, D. Dawson, B.A. Leeds, M.Litt. Camb. ; *Philosophy*, Rev. R. J. Tree, M.A. Wales, B.Litt. Oxon. ; *English*, S. C. Boorman, M.A. Lond. ; *Theology and Hebrew*, Rev. R. H. Fuller, M.A. Camb.

Lectrs.—Rev. F. J. T. David, M.A. Oxon. (*Hist. and Theol.*) ; F. R. Newte, M.A. Oxon. (*Classics*) ; Rev. T. A. Lewis, M.A. Oxon. (*Philos. and Theol.*) ; Rev. B. N. Y. Vaughan, M.A. Oxon. (*Theol.*) ; Rev. T. G. Davies, B.Sc., B.A. Wales (*Maths.*).

Incorporated by Royal Charter, the College is empowered to confer Degrees in Arts (B.A.) and Theology (B.D. and L.Th.). Originally founded to provide a residential University for men preparing for Holy Orders, its Arts Faculty was recognized by Royal Charter as open to all students without religious test. Completely residential, its inclusive fees are £54 a term. All examns. are conducted by examiners appointed by Oxford and Cambridge, and the passing of three examns. and nine terms' residence are required for the Hons. and Pass Degree courses.

POSTGRADUATE STUDY. There is a Theological Hall for the study of Theol. by graduates.

A Licence in Theol. (L.Th.) is granted to grads. of the Coll. or of any other Univ. who reside at least 2 yrs. and pass the necessary examns. The Licence is accepted as an alternative to the Genl. Ordination Examn. of the Church of England.

SCHOLARSHIPS. Scholps. to total annual value of £1000 are offered. Bursaries are granted to grads. proceeding with sr. status to Oxon. or Camb. under Affiliation regns.

ADMISSION. Candidates can be matriculated (1) on a certif. of any matricn. examn. of a Univ. recognized by the Association of Universities of the British Commonwealth ; (2) on the General Certif. of Educn. of any of the recognized British Examining Bodies, provided that the Certif. satisfies the conditions of the Coll. Matricn. Certif. ; (3) on passing the Coll. Matricn. examn. in a six-credit Matricn., incl. Engl. Language and either Latin or Maths. or Phys., plus four other credits, one of which must be a language other than English if Latin is not taken. Further particulars from the Principal.

STUDENTS (1953–54) : 130.

DEGREES (1953) : B.A., 39.

SCOTLAND

[*Information compiled as at* 28/5/54 ;
Staff list revised on 9/10/54.]

UNIVERSITY OF ABERDEEN*

Founded 1494

Postal Address: Aberdeen, Scotland.
Telegrams: Aberdeen University.
Telephone (Secretary's Office): Aberdeen 24367.

CHANCELLOR—The Rt. Hon. THOMAS JOHNSTON, C.H., LL.D.

VICE-CHANCELLOR AND PRINCIPAL—Sir THOMAS MURRAY TAYLOR, C.B.E., Q.C., D.D. Edin., LL.D. St. And., M.A., LL.B., F.E.I.S.

RECTOR—ADMIRAL OF THE FLEET SIR RHODERICK MCGRIGOR, G.C.B., D.S.O.

SECRETARY TO THE UNIVERSITY—WILLIAM STEPHENSON ANGUS, M.A. Oxon., LL.B. Liv.

LIBRARIAN, CLERK AND REGISTRAR OF GENERAL COUNCIL—WILLIAM DOUGLAS SIMPSON, O.B.E., M.A., D.Litt.

TEACHING STAFF

Accounting

Grant, J., M.C., M.A. Pt.-time Lectr.

Agriculture, v. *infra*

Anatomy

Lockhart, R. D., M.D. Birm., Ch.M. Reg. Prof.

Lecturers

Hamilton, G. F., B.Sc., M.B., Ch.B.
Fyfe, F. W., M.A., M.B., Ch.B.
McKenzie, J., M.B., Ch.B.
Duguid, I. M., M.B., Ch.B.
..... (Embryol.).

Assistants

Laurenson, R. D., M.B., Ch.B.
Clark, C. G., M.B., Ch.B.
Ruddiman, D., M.B., Ch.B.
Naylor, E. Radiol. Demr.

Astronomy

..... Lectr.

Biblical Study

Lillie, W., B.D. Glas., M.A., D.D. Lectr.
Davidson, R., M.A., B.D. St. And. Asst.

Biological Chemistry

Kermack, W. O., LL.D. St. And., M.A., D.Sc., F.R.S. Prof.
Long, C., M.A., B.Sc., D.Phil. Oxon. Lectr.
Lees, H., B.Sc. Liv., Ph.D. Lond. Lectr.

* Member of the Association of Universities of the British Commonwealth.

Porteous, J. W., B.Sc., Ph.D. Liv. Lectr.
Appleman, M. D., A.B., M.S., Ph.D. Ill. Sr. Res. Fellow.
Thomson, A. R., B.Sc. Asst.

Biology, v. Nat. Hist.

Botany

Matthews, J. R., M.A. Edin., F.L.S. Reg. Prof.
Downie, Dorothy G., B.Sc., B.Sc. (For.) Edin., Ph.D. Chic. Reader.

Lecturers

Gimingham, C. H., B.A. Camb., Ph.D.
Stirling, J., D.Sc. St. And.
Burns, D. W., B.Sc. St. And.

Assistants

Cusick, F., M.Sc., Ph.D. Manc.
Barkley, Sylvia Y., B.Sc. Lond.
Sommerville, Mrs. Alice H., M.A., B.Sc

Celtic and Comp. Philology

Macdonald, J., M.A. Reader.
Mackenzie, Annie M., M.A. Lectr.

Chemistry, v. also Agric., *infra*

..... Prof.
Strathdee, R. B., O.B.E., T.D., Ph.D. Camb., M.A., B.Sc., F.R.I.C. Reader.

Lecturers

Humphries, J. E., B.A. Lond. and Camb., M.Sc. Wales, Ph.D. Lond., D.Sc.
Thomson, R. H., B.Sc., Ph.D. Leeds, F.R.I.C.
Moser, W., B.Sc. Lond.
Meares, P., M.A., Ph.D. Camb.
Bentley, K. W., M.A., B.Sc., D.Phil. Oxon.
Taylor, H. F. W., B.Sc., Ph.D. Lond.
Ford, M. C., M.A., B.Sc., D.Phil. Oxon.
Kington, G. L., B.Sc., Ph.D. Brist.

Assistants

Garden, Linda A., B.Sc.
Proctor, G. R., B.Sc.
Aylett, B. J., B.A. Camb.
Dent, Lesley S., B.A. Camb.

Chemistry, Clinical, v. Medicine, *infra*

Classics : Greek

Cameron, A., M.A. Glas., B.A. Oxon. Reg. Prof.
Thomson, H., M.A. Oxon. (Mod. Gk.) Temp. Lectr.

Classics : Latin

Watt, W. S., M.A. Glas. and Oxon. Reg. Prof.

Lecturers

Raven, E. J. P., M.A. Camb.
Adam, J. W. L., M.A. St. And., B.A. Oxon.
Reece, D. W., M.A. Oxon.
Corbett, P. B., M.A. Sheff., Dr.Phil. et Lett. Louvain.

Assistants

Lawrence, G. A., M.A. Edin. Pt.-time Asst.

.....

Divinity, v. also Hebrew

Henderson, G. D., D.D., M.A., B.D., D.Litt. Glas. (Church Hist.) Prof.
Graham, J. M., M.A. Glas. (Systematic T.) Prof.
Macleod, J., M.A. Glas., D.D. (Christian Dogmatics) Prof.
Hunter, A. M., M.A., B.D., Ph.D., D.D. Glas., D.Phil. Oxon. (Bibl. Crit.) Prof.
Cairns, D., M.A. Oxon., D.D. Edin.
Edin. (Systematic T.) Pt.-time Lectr.

Economic History, v. Pol. Econ.

Economics, v. Pol. Econ.

Education

Walker, N. T., O.B.E., M.A., Ed.B., Ph.D. Glas., F.B.Ps.S., F.E.I.S. Reader.
Nisbet, J. D., M.A., B.Ed. Edin., Ph.D. Lectr.

Engineering

Allen, J., D.Sc. Manc. Jackson Prof.
Grassie, J. C., B.Sc. (Eng.) Glas., D.Sc. (Civil and Forest E.) Reader.

Lecturers

Taylor, G. A., M.A., B.Sc. (Eng.), Ph.D. (Civil E.).
Brebner, A., B.Sc. (Eng.), Ph.D.
Prentis, J. M., M.Sc. (Eng.) Lond.
Fair, E. J., B.Sc. Glas.

Part-time Lecturers

Wilkinson, E., B.Eng., Ph.D. Liv. (Elect. E.).
Edmond, A. D., B.Sc. (Eng.) Lond. (Mech. E.).
Hardie, A. M., M.A., B.Sc. (Eng.) (Elect. E.).

Part-time Assistants

Chisholm, J. A. (Mech. E.).
Colmar, G. C., B.Sc. (Eng.) Glas. (Elect. E.).
Hendrie, R. A., B.Sc. (Eng.) Lond. (Mech. E.).
Dorward, L. F., B.Sc. (Eng.) Lond. (Elect. E.).
Corry, J. M., B.Sc. (Eng.) Lond. (Mech. E.).
Hackney, C., B.Sc. (Eng.) Lond. (Elect. E.).

English

Duthie, G. I., M.A., Ph.D., D.Litt. Edin. Reg. (Chalmers) Prof.
Robertson, A. Jane, M.A. St. And., Ph.D. Camb. (E. Lang.) Reader.

Lecturers

Lothian, J. M., M.A. Glas. and Sask.
Walker, R. S., M.A. Aberd. and Camb. (E. Lit.).
Keir, W. A. S., B.Litt. Oxon., M.A.
Michie, J. A., B.A. Oxon., M.A.
Evans, M., B.A., Ph.D. Camb.
Murison, D. D., B.A. Camb., M.A. (Scot. Lang.) (Part-time).

Assistants

Barron, W. R. J., M.A., B.Phil. St. And.
Forsyth, R.A., M.A. Natal.

Fisheries and Oceanography

Lucas, C. E., D.Sc. Lond. Hon. Res. Lectr.

Fish Technology

Reay, G. A., O.B.E., Ph.D. Camb., M.A., B.Sc., F.R.I.C. Hon. Res. Lectr.

Forestry, v. also Engin.

Steven, H. M., M.A. Oxon., B.Sc., Ph.D. Edin. Prof.
Laing, E. V., M.A., D.Sc. Reader.
McNeill, W. M., M.B.E., T.D., M.A., Dip. For. Oxon., M.S. Yale Lectr.
Davis, P. W., M.C., B.A., Dip. For. Camb. Lectr.
Richardson, S. D., M.A., B.Sc. Oxon. Lectr.
Black, T. M., B.Sc. Tor. Asst
Carlisle, A., B.Sc.For., B.Sc. Wales, Ph.D. Jr. Res. Fellow

French

Roe, F. C., Chev. Lég. d'H., M.A. Birm., L. ès L. Lyon, D. de l'U. Paris, Rennes, Clermont-Ferrand Prof.

Lecturers

Stoker, J. T., M.A. Leeds, D. de l'U. Paris
Abrioux, O. M., L. ès L. Paris, Ph.D.
Brown, A. W., M.A. Edin. Asst.
2 Pt.-time Assts.

Geography

O'Dell, A. C., M.Sc. Lond. Prof.
Walton, K., M.A. Edin., Ph.D. Lectr.
Kirk, W., B.A. Lond. Lectr.
MacPherson, A., M.A. Edin. Lectr.
Baird, P. D., M.A. Camb. Sr. Res. Fellow.
Clarke, J. I., M.A. Asst.
Synge, F. M., B.A., M.Sc. Dub. (Cartographer) Asst.

Geology

Phemister, T. C., D.Sc. Glas., Ph.D. Camb., M.Sc. Chic., D. de l'U. Rennes Kilgour Prof.

Lecturers

Pringle, A. K., B.Sc. Glas.
Fraser, W. E., M.A., B.Sc.
Bennison, G. M., B.Sc. Durh.
Tocher, F. E., B.Sc.
Munro, M., B.Sc. St. And.

German

Witte, W., M.A. Lond., Dr. rer. pol. Bres., Ph.D. Prof.
Barber, C. C., M.A. Oxon., D.Phil. Giessen Lectr.
Kenworthy, B. J., B.A. Brist., Ph.D. Lectr.
Brebner, Lilias W., M.A. Asst.

Hebrew and Semitic Langs.

Kennedy, Rev. A. C., M.A., D.D. Edin. Prof.
Gray, J., M.A., B.D., Ph.D. Edin. Lectr.

History

Sayles, G. O., M.A., D.Litt. Glas., F.R.Hist.S. Burnett-Fletcher Prof.

Lecturers

Henderson, J. M., T.D., M.A. Edin., F.R.Hist.S. (Brit. H.).
Edwards, Kathleen, M.A. Lond., Ph.D. Manc. (Med. H.).
Thornton, A. P., M.A. Glas., D.Phil. Oxon. (Br. Col. and Dom. H.).
Humphries, W. R., M.A. (Scottish H.).
Hargreaves, J. D., M.A. Manc.
Milne, Doreen J., M.A. Glas., Ph.D. Lond.

Assistant

Macfarlane, L. J., B.A. Lond.

History and Philosophy of Science

Wightman, W. P. D., M.Sc., Ph.D. Lond. Lectr.

Italian

Chandler, S. B., B.A., Ph.D. Lond. Lectr.

Law

Smith, T. B., M.A. Oxon. (Scots L.) Prof.
MacRitchie, F., M.A., LL.B. (Conveyancing) McLennan Prof.
Daube, D., Ph.D. Camb., Dr. jur. Gott. (Jurisprud.) Prof.
Smith, Joan, M.A., LL.B., Ph.D. Edin. Lectr.
Anton, A. E., M.A., LL.B. (Internat. Law) Lectr.
Stein, P. G., M.A., LL.B. Camb. Lectr.
Yaron, R., M.A. Jerusalem (Jurisprud.) Sr. Res. Fellow.
Hay, A. L., M.A., LL.B. (Evidence, Pleading and Procedure) Pt.-time Clark Lectr.
Milne, A., O.B.E., T.D., B.L. Pt.-time Lectr.
Ramsay, F., B.L. Glas. Pt.-time Asst.
Brown, W., B.L. Pt.-time Asst.

Logic

Cross, R. C., M.A. Glas. and Oxon. Reg. Prof.
Bednarowski, W., D.Phil. Cracow Lectr.
Stoop, Annette C., B.Phil. Oxon. Asst.

Mathematics

Wright, E. M., B.A. Lond., M.A., D.Phil. Oxon. Prof.

Lecturers

Macintyre, A. J., B.A., Ph.D. Camb.
Potter, H. S. A., M.A., D.Phil. Oxon.
Goddard, L. S., B.Sc. Syd., Ph.D. Camb.
Bowen, N. A., B.Sc. Lond., M.Sc. Wales, Ph.D.
Ponting, F. W., M.A. Oxon., Ph.D.
Macintyre, Mrs. Sheila, M.A. Edin., B.A. Camb., Ph.D.
Cockcroft, W. H., M.A., D.Phil. Oxon. (On leave, 1954–55.)

Assistant

Popova, Helen, B.Sc., Ph.D. Edin.

Sr. Research Fellow

.....

Medicine, v. *infra*

Music

Swainson, W., M.A., F.R.C.O. Reader.
Barrett-Ayres, R., B.Mus. Edin. Lectr.
Clark, Muriel, B.A., Mus.B. Camb. Asst.

Natural History

Wynne-Edwards, V. C., M.A. Oxon., F.R.S.C. Reg. Prof.
Neill, R. M., M.C., M.A. Glas., D.Sc. (Zool.) Reader.

Lecturers

Begg, C. M. M., Ph.D. Birm., M.A., B.Sc.
Orkin, P. A., B.Sc. McG., Ph.D.
Symmons, Saida, B.Sc. Leeds, Ph.D.

Assistants

Goodbody, I. M., B.A. Dub., Ph.D.
Forman, B., B.Sc.
Potts, W. T. W., Ph.D. Camb.
Watson, A., B.Sc.

Oceanography, v. Fisheries

Philology, Compar., v. Celtic

Philosophy, Moral

MacKinnon, D. M., M.A. Oxon. Reg. Prof.
Duthie, G. D., B.Phil. Oxon. Lectr.
Hepburn, R. W., M.A. Asst.

Philosophy, Natural

Jones, R. V., C.B., C.B.E., M.M. (U.S.A.), M.A., D.Phil. Oxon., F.I.P., F.R.A S. Prof.
Geddes, A. E. M., O.B.E., M.A., D.Sc. Reader.

Lecturers

Griffith, H. D., B.A. Camb.
Strachan, C., Ph.D. Camb., M.A. Aberd. and Camb. (Math. Phys.).
Holbourn, A. H. S., M.A. Edin., D.Phil. Oxon.
Stevenson, R. W. H., B.A. Oxon., Ph.D.
Landsberg, P. T., M.Sc., Ph.D. Lond. (Theor. Phys. and Appl. Maths.).
Duncanson, A., B.Sc. Edin. (Exper. Phys.).
Richards, J. C. S., B.Sc., Ph.D. (Electronics).
Jones, D. A., B.Sc. Wales, Ph.D.
Lindsay, D. D., M.A. Oxon.
Ansbacher, F., B.Sc., Ph.D. Lond.
McCombie, C. W., M.A., Ph.D.
Finlayson, D. M., B.Sc., Ph.D. St. And.

Temporary Lecturers

Sewell, G. L., M.A. Oxon., Ph.D. Lond.
Elcock, E. W., B.Sc., Ph.D. Leeds.

Part-time Lecturer

Stewart, J. D., M.A., Ph.D.

Junior Research Fellow

Smith, T., B.Sc., Ph.D. Leeds.

Assistant
Burfoot, J. C., M.A., Ph.D. Camb.

Physiology
Cruickshank, E. W. H., D.Sc. Lond., Ph.D. Camb., M.D. Reg. Prof.

Lecturers
Kosterlitz, H. W., M.D. Berl., Ph.D., D.Sc. (Human and Exper.).
Cuthbertson, D. P., M.D., D.Sc. Glas. (P. of Nutrition) Hon. Res. Lectr.
Innes, I. R., M.B., Ch.B.
Pirenne, M. H. L., Dr. ès Sc. Liége, Ph.D. Camb. (Sp. Senses).
Denton, E. J., B.A. Camb., B.Sc. Lond., Ph.D. (Bio-phys.). (On leave, 1954–55.)
Taylor, D. W., M.B., Ch.B.
Robinson, Judith A., B.A. Camb. Jr. Res. Fellow.

Political Economy
Hamilton, H., M.A., D.Litt. Glas. Jaffrey Prof.

Lecturers
Macdonald, Annie, M.A.
Hampson, Ethel M. H., M.A. Liv., Ph.D. Camb., Dip. Ed. Liv., F.R.Hist.S. (Econ. Hist.)
Noble, T. A. F., M.B.E., M.A.
Munby, D. L., M.A. Oxon.

Assistants
Campbell, R. H., M.A. Glas.
Macpherson, W. J., M.A.

Junior Research Fellow
Flinn, M. W., M.A. Manc.

Politics
Burns, J. H., M.A. Edin., Ph.D. (Pol. Theory) Lectr.
Frankel, J., M.L. Lwow, LL.M. W.Aust., Ph.D. Lond. (Internat. Relns.) Lectr.

Psychology
Knight, A. R., B.A. Syd., M.A. Camb. Anderson Prof.
McKellar, T. P. H., M.A. N.Z., Ph.D. Lond. Lectr.
Berlyne, D. E., M.A. Camb., Ph.D. Yale Lectr.
Knight, Mrs. Margaret, M.A. Camb. Pt.-time Lectr.
Fraser, Elizabeth D., M.A., Ed.B. (Social Psychol.) Lectr.
Simpson, Mrs. Lorna M., M.A. Asst.
King, J. W., M.A. Glas. Jr. Res. Fellow.

Soil Science
McArthur, D. N., C.B.E., D.Sc., Ph.D. Glas., F.R.I.C. Hon. Res. Lectr.
Williamson, W. T. H., Ph.D. Edin., B.Sc., F.R.I.C. Lectr.
Coutts, J. R. H., M.Sc. Lond., D.Sc. Natal, F.I.P. Lectr.
Fitzpatrick, E. A., Ph.D. Asst.
Pringle, Joyce, B.Sc. (Agr.), Ph.D. Jr. Res. Fellow.

Spanish
May, T. E., M.A. Manc. Lectr.
Dunn, P. N., M.A. Lond. Lectr.
Montero, A. Pt.-time Asst.

Statistics
Finney, D. J., M.A. Oxon., Sc.D. Camb. Reader.
3 Assts.

Swedish
Frykman, E., Fil. lic. Uppsala Lectr.

Theology, v. Divinity, *supra*

Zoology, v. Nat. Hist.

Agriculture

(v. also Engin., and, *infra*, North of Scotland Coll. of Agr.)

Stewart, A. B., M.A., B.Sc., Ph.D., F.R.I.C. Strathcona-Fordyce Prof.

Tincker, M. A. H., M.A. Camb., D.Sc. Lond., F.L.S. Hon. Res. Lectr.

Lecturers

Fraser, A. H. H., D.Sc., M.D. (Animal and Dairy Husb.).
Barnett, A. J. G., B.Sc., Ph.D. Edin. (Agr. Biochem.).
Smith, J. H., M.Sc. Wales (Agr. Econ.).
Dempster, D. G., B.Sc., B.Sc. (Agr.) (Supervision of Univ. Farms).
..... (Principles of Agric.).
Short, J. R. T., B.Sc. W.Aust., D.Phil. Oxon. (Agr. Zool.).
..... (Agr. Bacteriol.).
Faulks, P. J., M.A. Camb. (Agric. Bot.).
Donald, G., B.Sc. (Agr.) Pt.-time Lectr.

Assistants

Young, J. F., B.Sc. (Agr.). (On Natl. Service.)
Reid, R. L., B.Sc., B.Agr. Belf. (Agr. Biochem.).

Part-time Assistants

Bain, R., B.Sc. (Agr.) Glas. Temp.
Dodsworth, T. L., B.Sc. (Agr.) Leeds, Ph D.
Shiach, J. G., B.Sc. Agr., B.Sc. Eng.
Anderson, Mrs. Jeanette L., B.Sc., Ph.D. Edin. Jr. Res. Fellow.

Veterinary Hygiene

Grant, J. C. Pt.-time Lectr.

Medicine

(for subjects of the first 2 yrs.—Anat., etc., v. *supra*)

Anæsthetics

Wilson, H. B., M.B., Ch.B., D.P.H. Pt.-time Lectr.

Bacteriology

Macdonald, A., M.A., M.D. Prof.

Lecturers

Menzies, R. F., M.B., Ch.B.
Fraser, K. B., M.C., M.D.
Stuart, Jean E., M.B., Ch.B.
Hamilton, W., M.B., Ch.B., Dip. Bact.

Chemistry, Clinical

Lyall, A., M.A., M.D., F.R.C.P. Pt.-time Lectr.
Bowman, W., M.A., B.Sc., M.B., Ch.B. Lectr.
Fraser, G. P., B.Sc., Ph.D. Lectr.
Auld, W. H. R., M.B., Ch.B. Lectr.
Bett, Isobel M., B.Sc. Edin. Asst.

Child Health

Craig, J., M.B., Ch.B., F.R.C.P.Ed. Prof.
Clark, N. S., B.Sc., M.B., Ch.B., D.C.H. Lectr.
Fraser, M. S., M.B., Ch.B. Lectr.
Dobbie, Hazel, B.Sc., Ph.D. Asst.
Galloway, W. H., M.B., Ch.B. Edin., F.R.C.P.Ed., D.C.H. Pt.-time Asst.

Children, Surgical Diseases of

Part-time Lecturers

Bruce, G. G., M.B., Ch.B., F.R.C.S.
Davidson, S. G., M.A., M.B., Ch.B., F.R.C.S.
Logie, N. J., M.B., Ch.B., F.R.C.S.

Dental Surgery

Crombie, H. M., M.B., Ch.B., L.D.S. Pt.-time Lectr.

Ear, Nose and Throat, Diseases of

Collins, E. G., M.B., Ch.B., F.R.C.S.Ed. Pt.-time Lectr.

Part-time Assistants

McNaughtan, I. P. J., M.B., Ch.B., F.R.C.S.Ed.
Thomson, I. S. D., M.B., Ch.B., F.R.C.S.Ed.
Weir, C. D., M.C., M.B., Ch.B., F.R.C.S. Ed.

Forensic Med. (incl. Med. Ethics)

Richards, R., M.A., M.D., D.P.H., F.R.C.S.Ed. Pt.-time Lectr.

Rice, J. I., M.B.E., M.B., Ch.B. Pt.-time Asst.

Materia Medica

Campbell, Sir David, M.C., M.A., B.Sc., M.D., LL.D. Glas., F.R.F.P.S. Glas. Reg. Prof.

Morgan, T. N., M.D., F.R.C.P. Lectr.

Thomson, W. H. S., B.Sc., Ph.D., M.B., Ch.B. Glas. Georgina McRobert Res. Fellow.

Medical Ethics, v. Forensic Medicine, *supra*

Medicine

Fullerton, H. W., M.A., M.D., F.R.C.P. Reg. Prof.

Lecturers

Macleod, M., M.B., Ch.B.

Palmer, K. N. V., M.A., M.D. Camb.

Manson, Doris I., M.B., Ch.B.

Begg, T. B., M.B., Ch.B. Glas.

Part-time Lecturers

Duthie, R. J., M.D. (Clin. Med.).

Gordon, I., O.B.E., B.Sc., M.B., Ch.B., F.R.C.P. (Clin. Med.).

Part-time Assistants

Gauld, W. R., T.D., M.D. (Clin. Med.).

Needham, C. D., M.D. Lond. (Clin. Med.).

Innes, G., M.B., Ch.B. Sr. Res. Fellow.

Mental Health

Millar, W. M., M.D., Dip.Psych. Edin. Crombie-Ross Prof.

Valentine, M. G., M.D. Lectr.

Swinney, G. E., M.A., M.B., Ch.B., D.P.M. Lectr.

Wyllie, A. M., B.Sc., M.D. Glas., Dip.Psych. Edin. Pt.-time Lectr.

Milne, A., M.B.E., M.B., Ch.B. Pt.-time Lectr.

Bursill, A. E., M.A. R'dg. Asst.

Part-time Assistants

Raitt, W. J., M.B., Ch.B., Dip. Psych. Edin.

Rowland, Mrs. Helen C. S., M.B., Ch.B., Dip. Psych. Edin.

Midwifery

Baird, D., B.Sc., M.D., D.P.H. Glas., F.R.C.O.G. Reg. Prof.

Walker, J., B.Sc., M.B., Ch.B. Glas. Lectr.

Thomson, A. M., B.Sc., M.B., Ch.B. Glas., D.P.H. Lond. (Infant Mortality) Lectr.

Lawson, J. G., M.B., Ch.B. St. And.

Milne, G. P., M.B., Ch.B., F.R.C.O.G. Pt.-time Lectr.

Wyper, J. F. B., B.Sc., M.B., Ch.B. Glas. (Clin. Gynæcol.) Pt.-time Asst.

Bernard, R. M., M.B., Ch.B. Pt.-time Asst.

Ophthalmology

Law, Beatrix B., M.A., M.D., D.O. Pt.-time Lectr.

Part-time Assistants

Cockburn, C., M.A., M.B., Ch.B., F.R.C.S.Ed.

Milne, W. S., M.B., Ch.B., D.O. Oxon.

Pathology

Young, J. S., M.C., M.A., B.Sc., M.D. Glas. Reg. (Wilson) Prof.

Lecturers

Nairn, R. C., M.D., Ph.D. Liv.

Williams, A. W., M.D. Edin., D.C.P. Lond.

Stalker, A. L., M.B., Ch.B.

Shivas, A. A., M.B., Ch.B., D.P.H.

Richmond, H. G., M.B., Ch.B.

Duguid, Helen L. D., M.D.

Macpherson, R. T., M.B., Ch.B.

Public Health and Infectious Diseases

Berry, D. W., M.C., M.D., D.P.H. Reader.

Richardson, I. M., M.D. Edin., D.P.H. Glas. Lectr.

Part-time Lecturers

MacQueen, I. A. G., M.A., M.D., D.P.H. Edin.

Mitchell, Mabel E., B.Sc., B.L., M.D., D.P.H. Glas. (Mother and Child Welfare).

Smith, J., D.Sc., M.D., D.P.H, F.R.C.P.

Doig, A. T., M.D., D.P.H. St. And. (Factory Hyg.).

Part-time Assistant

Chambers, W., M.D. Glas. (Infect. Dis.).

Radio-Diagnostics

Levack, D. P., C.B.E., T.D., M.B., Ch.B., D.M.R. & E. Pt.-time Lectr.

Skin, Diseases of

Anderson, T. E., M.D. Pt.-time Lectr.

Surgery

Wilson, W. C., M.B., Ch.B., F.R.C.S.Ed. Reg. Prof.

Wilkinson, A. W., Ch.M., F.R.C.S.Ed.

Burnett, W., M.B., Ch.B., F.R.C.S.

Part-time Lecturers

Gowar, F. J. S., M.B., B.S., F.R.C.S. (Thoracic S.).

Rennie, A. M., M.B., Ch.B., F.R.C.S. (Orthopædic S.).

Nichols, W. M., M.B.E., M.B., Ch.B. Glas., M.Sc. McG., F.R.F.P.S. Glas. (Neuro-S.).

Fowler, A., M.B., Ch.B., F.R.C.S. Ed. (Clin. Surg.).

Michie, W., M.B., Ch.B., F.R.C.S. Ed. (Clin. Surg.) Pt.-time Asst.

Philip, J. F., Ch.M., F.R.C.S.Ed. (Clin. Surg.) Pt.-time Asst.

Tuberculosis

Bell, D., M.D. Edin., D.P.H. Pt.-time Lectr.

Part-time Assistants

Mason, Anna T., M.B., Ch.B. Glas.

Fraser, R., M.D., D.P.H.

Venereal Diseases

Bowie, F. J. T., M.B., Ch.B., D.P.H. Pt.-time Lectr.

Caldwell, I. W., M.B., Ch.B. Pt.-time Asst.

Gifford Lecturer in Nat. Theol.

.....

ADMINISTRATIVE AND OTHER STAFF

Asst. Secs.: J. George, M.A. Camb.; F. G. Burnett. Asst. Sec. and Treasurer: W. J. A. Nelson. Jr. Asst. Sec.: G. R. Anderson, M.A. Med. Officer (Students' Health Service): A. H. Macklin, O.B.E., M.C., M.D. Manc. Chaplain: Rev. I. Pitt-Watson, M.A., B.D. Edin. Dir. of Physical Educn.: Lt.-Col. A. W. Brocks, M.B.E., M.C., M.A. Asst. to Dir. of Physical Educn.: Adele F. Mackinnon. Adviser to Women Students: Mrs. Ian Clarke. Matron of Medical Hall of Residence: Jean McAnish.

ASSOCIATED COLLEGES

North of Scotland College of Agriculture, 41½ Union Street, Aberdeen (*Telegrams*: Nosca, Aberdeen; *Telephone*: Aberdeen 27205). Principal—M. A. H. Tincker, M.A. Camb., D.Sc. Lond., F.L.S. Sec.: H. Munro. Dir. of Studies: G. Donald, B.Sc. (Agr.). Central Teaching Staff: *Agric.* G. Donald, B.Sc. (Agr.); *Animal Health*, J. C. Grant; *Bot.*, D. Clouston, M.A., B.Sc.

(Agr.), D.Sc. ; *Chem.*, W. Moore, B.Sc. (Agr.), D.Sc. ; *Engin.*, G. Murray, B.Sc. (Agr.) ; *Zool.*, D. Robertson, B.Sc. (Agr.), Ph.D., D.Sc. ; *Sch. of Rural Domestic Econ.*, Jean W. Ferguson ; *Cert. Course in Agric.*, ... ; *Craibstone Farm*, J. Ravell, B.Sc. ; *Bacteriol.*, D. A. McKenzie, B.Sc. (Agr.) ; *Bee-keeping*, A. S. C. Deans, F.R.E.S. ; *Econ. and Book-keeping*, A. D. Imper, M.B.E., B.Sc. (Agr.), M.Sc. (Econ.), Ph.D. ; *Farm Buildings*, D. S. Soutar ; *Hortic.*, J. S. Panton, M.A., B.Sc. (Agr.) ; *Trop. Hyg.*, A. Dawson, O.B.E., M.B., Ch.B. Assisting in the above Depts. are 21 Assts. Specialist Advisory Staff in Agric., Bacteriol., Agric. Econ., Entomol., Farm Bldgs., Grassland Husb., Mycol., Animal Husb., Crop Husb., Poultry Husb., Vet. Investigation, Bee-keeping Res. County Advisory Staff : 2 Regional Dirs., 2 Sr. Advisers in Dairying and Poultry-keeping, 16 Agric. Advisers, 10 Asst. Agric. Advisers, 3 Crofting Advisers, 17 Advisers in Dairying and Poultry-keeping, 7 Machinery Instrs., 7 Hort. Advisers, 4 Bee-keeping Advisers.

Students (1954–55) : Dipl. courses, 70 ; Planters' Certif. course, 6 ; Certif. course in Agric., 14 ; Course in Crofting Agric., 6 ; Craibstone Sch. of Rural Domestic Economy, 28. All students reading for non-Univ. qualificns.

ROBERT GORDON'S TECHNICAL COLLEGE, Schoolhill, Aberdeen (*Telephone* : Aberdeen 29384). Under the Aberdeen Educational Endowments Scheme, 1934, the Governors, in continuation and development of the Coll., provide, maintain, furnish, equip, administer and conduct schools of Engin., Maths. and Phys., Chem., Pharmacy, Navigation, Art (including Drawing, Painting, Des., Sculpture, Archit., Bldg. and Surveying), Dom. Sci., Comm., and such other subjects connected with educn. in sci., art and technol. as they think fit. The School of Art is known as Gray's School of Art. The Court of the Univ. and the Governors of the Coll. co-operate in the provision of day courses leading to the degree of B.Sc. (Eng.) of the Univ. and to the Dipl. of Associateship of the Coll. in Engin.—Civ., Mech. and Electr. The courses in Naval, Mech. and Elect. Engin. are recognized under the schemes for the award of National Diplomas. Courses for Marine Engineers are provided in preparation for the examns. of the several grades of Certifs. of competency issued by the Ministry of Transport, including that for Extra-First Class. Evening courses in the higher branches of Civ., Mech., Electr., Automobile Engin., Naval Archit., Maths., Phys., Chem. and in Papermaking.

Fees. All fees for degree courses payable at the Univ. (v. p. 591). For Engineering Associateship and National Diploma (Higher), 1st, 2nd and 3rd yrs., each £30 (plus matricn. fee, 2nd and 3rd yrs., £2 12s. 6d.).

Staff.—Dir., A. C. West, B.Sc. St. And., Ph.D. Lond. *Archit.*, Hd. of School, E. F. Davies, B.Arch. Liv., F.R.I.B.A., F.R.I.A.S. ; 5 Asst. Teachers. *Art*, Hd. of School, I. Fleming ; 2 Principal Teachers, 9 Asst. Teachers, 1 Attdt. *Chemistry*, Hd. of School, M. B. Watson, B.Sc. Aberd., Ph.D. R'dg. ; Lectrs. : G. W. Youngson, B.Sc., Ph.D. Aberd. ; A. Hunter, B.Sc. ; J. Fowler ; 1 Lab. Attdt. ; 1 Asst. *Domestic Science*, Hd. of School, Annette G. Kelly ; 3 Hds. of Depts. ; 17 others ; 1 Lab. Attdt. *Civil Engin.*, ... *Electr. Engin.*, Hd. of Dept., E. Wilkinson, B.Eng., Ph.D. Liv. ; Lectrs. : G. C. Colmar, B.Sc. (Eng.) Lond., L. F. Dorward, B.Sc. (Electr.) Lond., C. Hackney, B.Sc. (Eng.) Lond. ; A. M. Hardie, M.A., B.Sc. (Eng.) Aberd. ; 2 Lab. Mechanics ; 1 Asst. *Mech. Engin.*, Hd. of Dept., A. D. Edmond, B.Sc. (Eng.) Lond., F.R.S.A. ; Lectrs. : J. A. Chisholm, R. A. Hendrie, B.Sc. (Eng.) Lond., J. M. Corry, B.Sc. (Eng.) Lond. ; R. Hosie, B.Sc. (Eng.) Aberd. ; 2 Lab. Mechanics, 1 Asst. *Marine Engin.*, Lectrs. : C. Hay (in charge) ; E. T. Morgan, B.Sc. Wales ; C. L. Robertson. *Maths. and Phys.*, Hd. of School, J. D. Stewart, M.A., Ph.D. Aberd. ; Lectrs. : J. S. Morgan, M.A. Aberd., R. C. Angus, M.A. Aberd., E. Fanthorpe, B.Sc.

Sheff.; 1 Lab. Mechanic; 1 Asst. *Naval Archit.*, H. J. Miller, B.Sc. *Navigation*, Hd. of School, C. R. Cameron, D.Sc.; Lectrs. D. F. McKay, F. W. Gardiner, George P. Insh; Lectr. in Ambulance Work, A. G. Beattie, M.B., Ch.B. Aberd. *Pharmacy*, Hd. of School, J. E. Bowen, B.Sc. Wales, F.R.I.C.; Lectrs.: G. R. Page, B.Sc., Nancy M. Rose, M.A., B.Sc. Aberd., W. R. L. Brown, B.Pharm. Lond., A. MacDonald, Sheila Wilson; 1 Lab. Attendant; 1 Asst.; Organizer of pt.-time classes, W. M. Templeton Mason, M.A., B.Sc.; Clerk and Treasurer, W. R. Murdoch.

Students (1953–54), 1855 (full-time, 693, including 43 reading for Univ. qualifications; pt.-time, 1162).

GENERAL INFORMATION

The "University and King's College of Aberdeen," founded under a Papal Bull in 1494, and the "Marischal College," founded in 1593 by George Keith, Earl Marischal, were reconstituted in 1860 as "The University of Aberdeen." Certain of the original bldgs. remain, notably the Chapel (A.D. 1500). The Univ. is incorporated under the Universities (Scotland) Act, 1889.

The Depts. accommodated within King's College, Old Aberdeen, belong to the Facs. of Arts and Div. The classes in the Fac. of Law, and the Depts. of Psychol., Geog. and Educn., are accommodated within the reconstructed St. Mary's Church, Old Aberdeen. The Bot. and Forestry Depts. occupy adjacent bldgs. also in Old Aberdeen. On a separate site is the New Chemistry Building in which are accommodated the Depts. of Chem., Agric. Biochem., Soil Sci. and the Students' Health Service. In Marischal College, the Depts. accommodated belong mainly to the Facs. of Sci. and Med. (1st-, 2nd- and 3rd-yr. subjects). At Foresterhill Joint Hospitals Site, in close proximity to Aberdeen Royal Infirmary, the Maternity Hosp. and the Royal Aberdeen Hosp. for Sick Children, are the Univ. Medical Bldgs. in which are accommodated all classes from the 4th yr. onwards.

The LIBRARY, founded in 1494, has 345,640 vols. and over 200 incunabula, some unique. It is especially rich in Celtic lit., and bks. bearing on the hist., topog. and antiquities of the Scottish Highlands, and Classical Archæol. It also contains the McBean Jacobite collection, reputed to be the largest in the world outside the British Museum. Annual budget more than £15,000.

MUSEUMS. Marischal Coll.: Anatomical Museum (Human and Comparative); also Anthropological Museum containing Ethnographical and Archaeological (mainly Egyptian) items, as well as Local Antiquities; large numismatic collection. Nat. Hist. Dept.: Museum, principal display being teaching collection of Systematic Zool.; also exhibit of British Birds, and cabinet collections of Bird and Mammal Skins, Birds' Eggs, Insects and Molluscs. Foresterhill: Pathological Museum containing more than 1000 specimens.

INCOME (1952–53). Total income £630,754 (Govt. Grants, 76 per cent.; fees, 10 per cent.; endowments, 4 per cent.; other sources, 10 per cent.).

RESEARCH. Besides the usual labs. there is the Rowett Institute of Research in Animal Nutrition, Bankhead, nr. Aberdeen (*Telephone*: Bucksburn 7), with depts. of Physiol., Biochem., Bacteriol., and Pathol., and attached Animal Husb. section for practical experiments in feeding, etc. It is under the management of a jt. cttee. of the Univ. and the N. of Scotland Coll. of Agric. There is also the Macaulay Institute for Soil Research, Craigiebuckler, Aberdeen (*Telephone*: Aberdeen 33223).

TEACHING HOSPITALS. Hosps. available for clinics: Infirmary, 550 beds; Woodend Hosp., 340; Children's, 150; Fever, 300; Mental Hosp., 900; Maternity Hosp., 111; Ophthalmic Institution, average 7000 out-patients annually.

FACULTIES AND DEANS. *Arts*, Prof. H. Hamilton (Pol. Econ.); *Divinity*, Prof. G. D. Henderson (Church Hist.); *Law*, Prof. F. MacRitchie (Conv.); *Medicine*, Prof. Sir David Campbell (Mat. Med.); *Science*, Prof. V. C. Wynne-Edwards (Nat. Hist.).

ACADEMIC YEAR. Three terms, each of 10 wks.: Winter (Oct.-Dec.), Spring (Jan.-Mar.) and Summer (April-June).

ADMISSION. *See* Appendix I. Persons wishing to attend classes as private (non-graduating) students may do so only with the approval of the appropriate Departmental hd., and on payment of the necessary class and matric. fees.

DEGREES, ETC. M.A. Ord., B.Sc. Ord. (Pure Science), B.Sc. Ord. in Agric., in Engin., B.Sc. in Forestry, B.L., 3 yrs.; M.A. Hons., B.Sc. Hons., B.Sc. Hons. in Agric., in For. and in Engin., 4 yrs.; M.B., Ch.B., 6 yrs.; Ed.B., 2 yrs. after 1st degree; B.D., 3 yrs. after 1st degree; LL.B., 3 yrs. after 1st degree, which must be Arts degree.

Higher degrees: Ph.D., normally 3 yrs., which may be reduced to 2 yrs. if previous training and experience of candidate warrant it; D.Litt., 5 yrs. after M.A. Hons.; D.Sc., 5 yrs. after graduation; M.D. or Ch.M., 1 yr. after M.B., Ch.B., candidate must be at least 24 yrs. old. The D.D. and LL.D. are honorary only.

A Diploma is conferred in Public Health (D.P.H.).

STUDY LEAVE. No regular practice, but applications by members of the staff for leave of absence dealt with by Univ. Court on their individual merits.

ENTRANCE BURSARIES AND SCHOLARSHIPS. At annual Entrance Bursary Competition Bursaries and Scholarships valued up to £70 p.a. are available for award in the Facs. of Arts, Sci. and Med.

FEES. Matricn., 2½ gs. p.a. Class (Tuition) fees: M.A. (with Hons. in Maths. and Nat. Philos.), 90 gs.; M.A. (with Hons. in groups other than Maths. and Nat. Philos.), 76 gs.; M.A. (Ord.), 57 gs.; Ed.B., 46 gs.; B.Sc. (Pure Sci., Agric., For. and Engin.), 114 gs.; B.Sc. (with Hons. in Maths.), 90 gs., (with Hons in subjects other than Maths.), 127 gs.; B.Sc. Agr. (Hons.), B.Sc. (For.) (Hons.), and B.Sc. Eng. (Hons.), 127 gs.; B.D., 51 gs.; LL.B., 52 gs.; B.L., 42 gs.; M.B., Ch.B., 225 gs. The total cost of the whole med. curriculum, including class, matricn. and degree fees, is usually about £300. Degree: M.A., 11½ gs.; Ed.B., 13 gs.; B.Sc., 13 gs.; B.D., 11½ gs.; B.L., 11½ gs.; LL.B., 13 gs.; M.B., Ch.B., 37 gs.; Doctorates from 15 to 20 gs. The class and examn. fees for the D.P.H. are £67 : 4s.

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II.

RESIDENCE. List of lodgings published by Students' Representative Council. Lodgings cost from £2 : 10s. upwards per wk. There is a Hall of Residence for Med. Students in which residence is compulsory for 16 wks. during the final yr. of study. A fee—at present £48—is payable in respect of the compulsory period of residence.

APPOINTMENTS. There is no Appts. Cttee., but advice is given by a member of the Admin. Staff as to preparation for entrance to various Govt. Services and other appts. All communications to be addressed to *The Secretary to the University*.

PHYSICAL WELFARE OF STUDENTS. There is a Dir. of Phys. Educn., with a woman Asst. for women students.

STUDENT HEALTH SERVICE. There is a Medical Officer for the voluntary examn. of all students in Facs. other than Med., where examn. is compulsory.

ADVISER TO WOMEN STUDENTS. Mrs. Ian Clarke.

ADULT EDUCATION AND VACATION COURSES. Adult Educn. Classes under the Adult Education (Scotland) Regulations, 1934, are conducted in Marischal Coll. in conjunction with the Educn. Cttee. of Aberdeen Town Council. Classes under the regulns. for the Kilgour (Mechanics Institution) Lectures are conducted under similar auspices. No Vacation Courses are held within the Univ.

ALUMNUS ASSOCIATION. All Grads. and Alumni of the Univ. are eligible for membership of the Aberdeen University Alumnus Association. Particulars may be had from the Sec., L. J. Smith, M.A., LL.B., 9 Bonaccord Square, Aberdeen.

UNIVERSITY MILITARY AND AIR FORCE FORMATIONS. There is a contingent of the Univ. Training Corps (T.A.) attached to the Univ. (C.O., Lt.-Col. T. B. Smith); the contingent has Infantry, Engineer, Medical and Signals sections with a Perm. Staff of officer and other rank Instrs. A Sub-Unit of the W.R.A.C. is attached. There is also a Squadron of the Royal Auxiliary Air Force attached to the Univ. (C.O., Sqn. Ldr. J. R. Forsythe, D.F.C.). H.Q. of both Formations is situated at Powis Gardens, Old Aberdeen; membership is voluntary, and is confined to Matriculated Students of the Univ.

ATHLETIC ACTIVITIES. There are playing-fields at King's Coll. of approx. 22 acres. Membership of Aberdeen Univ. Athletic Assocn. is open to all Matriculated Students on payment of a fee, as is membership of the affiliated clubs (football, cricket, swimming, etc.). At King's Coll. there is a modern well-equipped swimming pool, and squash courts, etc.

STUDENTS' UNION. All students on Matricn. become members of the Students' Union without further fee. The Union has a large hall (with stage and full stage equipment), billiards room, music room, reading rooms and spray baths, as well as snack bars and dining-rooms.

PUBLICATIONS. *Calendar* (Oct.), 10s. 9d.; *Univ. Review*, 7s. 6d. p.a. (3 issues); *Students' Handbook and Diary* (Nov.), 2s.; *Alma Mater* (organ of S.R.C.).

UNIVERSITY PRESS. Aberdeen University Press, Ltd., 6 Upperkirkgate, Aberdeen. (Joint Managing Directors: D. C. Duncan and H. M. R. Watt, M.A.)

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. Carnegie Trust, Edinburgh, £47,554, for various purposes; late Dr. J. W. Myers, £7000, further instalment of bequest for support of Fac. of Med.; Nuffield Foundation, £4000, first instalment of grant for res. on Physiol. of Vision; late George Watson, £3000, bequest to found George Watson Scholp. in foreign languages; I.C.I. Ltd., £2500, fourth instalment of donation towards cost of foundation of lectureship in Hist. and Philos. of Sci.; late Margaret Skinner, £1000, bequest to found Skinner Prize in Agric.; late Miss C. J. Neil, £1000, bequest to found Prizes in Latin and Greek Lang. and Lit.

CHANGES IN REGULATIONS. *Degree of M.A.*: English-Swedish added to list of Groups in which Hons. may be taken. *Degree of B.Sc.*: Psychol. added to list of subjects in which Hons. may be taken. *Degree of B.Sc. (For.)*: Ordinance revising the regulations under which the Degree of B.Sc. (For.) is conferred, and providing for the award of a Degree of B.Sc. (For.) (Hons.), approved by Order in Council.

VISITS BY MEMBERS OF STAFF OF OTHER UNIVERSITIES. Dr. F. M. R. Walshe, Lond., "The Progress and Present Aspects of Medical Science"; Prof. M. Polanyi, Manc., course of 10 (Gifford) lectures, "Personal Knowledge"; Prof. D. Stromback, Uppsala, "Scandinavian Ballads"; Prof. H. C. Rumke, Utrecht, "Some Problems of Mental Health"; Prof. H. L. A. Hart, Oxon., "Definition in Jurisprudence"; Rev. A. M. Farrer, Oxon., "Some Trinitarian Patterns in New Testament Thought"; Prof. H. Dingle, Lond., "The Origin of Modern Science"; Prof. J. N. Bakhuizen Van Den Brink, Leiden, "Some Post-war Trends in the Dutch Reformed Church"; Prof. A. P. D'Entrèves, Oxon., "Alfieri and the Idea of Patriotism."

RETIREMENTS. Prof. J. B. Black (Hist., 1930–53); Prof. A. S. Ferguson (Logic, 1927–53).

RESIGNATIONS. M. F. A. Woodruff (Surg.), apptd. to Chair of Surg., Otago U.; Dr. H. N. Robson (Med.), apptd. to Chair of Med., Adel. U.; Dr. W. Neil (Bibl. Study), apptd. Warden of Hugh-Stewart Hall, Nott. U.; Dr. R. M. Bernard (Midwif.), apptd. to Nat. Health Service; Dr. H. H. Lucas (French), apptd. Warden of Wortley Hall., Nott. U.; A. A. Parker (Spanish), apptd. to Cervantes Chair of Spanish Lit., Lond. U.; Rev. A. D. Alexander (Hebrew), took up a civil charge in Church of Scotland; Prof. T. L. Bywater (Agric.), apptd. to Chair of Agric., Leeds U.; J. J. Gow (Int. Law), apptd. to civil legal post in Australia.

HONORARY DEGREES. *D.D.*—Dr. M. Buber, Emer. Prof. of Soc. Philos., Hebrew Univ. of Jerusalem, since 1938; Rev. L. L. L. Cameron, Dir., Soc. Service Comm. of Church of Scotland; Dr. R. von Thadden-Trieglaff, Chairman, Ecumenical Institute, Bossey. *LL.D.*—Prof. F. De Zulueta, Regius Prof. of Civil Law, Oxon. U. 1919–48; Rt. Rev. P. J. Nicholson, President, St. Francis Xavier Univ.; Miss B. M. Rose, Headmistress, Aberdeen High School for Girls since 1929; Dr. S. E. Smith, President, Tor. U.; D. M. Sutherland, Principal, Gray's School of Art, Aberdeen, 1933–48; Sir W. R. Tennant, Sec., Scottish Univs. Entrance Board, 1948–53.

STUDENT NUMBERS.*

	Full-Time	*Part-Time*
Men	1234	91
Women	523	12
Total	1757	103

Postgraduate students, 142 (112 men; 30 women).

New admissions, 404 (262 men, 142 women).

Students (full-time) from other countries, 59. (Countries from which largest numbers came: Jamaica, 5; U.S.A., 5; British Guiana, 4; Trinidad, 4; Canada, 4; Sudan, 4; Kenya, 3; Egypt, 3.)

* These figures relate to *matriculated* students only.

DEGREES CONFERRED. *Arts*: D.Litt., 1; Ph.D., 3; M.A. Hons., 54; M.A. Ord., 105; Ed. B. Hons., 7; *Div.*: B.D. Ord., 4; *Law*: LL.B. Ord., 12; B.L. Ord., 1; *Med.*: Ch.M., 0; M.D. Hons., 0; M.D. Comm., 1; M.D. Ord., 2; M.B., Ch.B. Hons., 0; M.B., Ch.B. Comm., 4; M.B., Ch.B. Ord., 64; *Sci.*: D.Sc., 1; Ph.D., 19; B.Sc. (Pure) Hons., 35; B.Sc. (Pure) Ord., 26; B.Sc. (Agr.) Hons., 1; B.Sc. (Agr.) Ord., 17; B.Sc. (For.) Ord., 13; B.Sc. (Eng.) Hons., 6 (Civil 2, Mech. 3, Elect. 1); B.Sc. (Eng.) Ord., 25 (Civil 14, Mech. 5, Elect. 6).

DIPLOMAS CONFERRED. Dip. in Ed., 10; D.P.H., 7.

[*Information compiled as at* 10/7/54 ;
Staff list revised on 9/11/54.]

UNIVERSITY OF EDINBURGH*

Founded 1583

Telephone: Edinburgh 41001.

CHANCELLOR—H.R.H. THE DUKE OF EDINBURGH, K.G., K.T., LL.D. Edin. and Wales, F.R.S.

VICE-CHANCELLOR AND PRINCIPAL—Sir EDWARD V. APPLETON, G.B.E., K.C.B., M.A., Hon. Sc.D. Camb., Hon. D.Sc. Oxon., Brussels, Leeds and Syd., Hon. LL D. Aberd , Birm., St. And., Lond., Glas. and Liv., D.Sc., F.R.S.

RECTOR—SIR SYDNEY SMITH, C.B.E., M.D., D.P.H. Edin. and Glas., F.R.C.P. Ed.

SECRETARY TO THE UNIVERSITY—CHARLES H. STEWART, J.P., M.A., LL.B. Glas.

SECRETARY TO THE GENERAL COUNCIL—INNES SMITH, M.A.

REGISTRAR TO THE GENERAL COUNCIL—CHARLES H. STEWART, J.P., M.A., LL.B. Glas.

LIBRARIAN—L. W. SHARP, Ph.D. Camb., M.A.

ACCOUNTANT—R. O. CURLE.

TEACHING STAFF

Accounting and Business Method
Murray, A. G., M.A. Prof.
Taylor, R. Lectr.
Ritchie, J. M. Lectr.

Actuarial Science
Lecturers
Hume, J. S., M.A., F.F.A.
Wake, C. J., F.F.A.

Agriculture, v. *infra*

Anatomy
Romanes, G. J., B.A., Ph.D. Camb., M.B., Ch.B. Prof.
Inkster, R. G., M.A. Dub., M.D. Reader.
Wells, L. H., M.B., B.Ch. Rand, D.Sc. Reader.
Lecturers
Craig, R. C., M.B., Ch.B., F.R.C.S.Ed.
Taylor, H. W. Y., M.A., B.Sc., M.B., Ch.B.
Barrett, Helen S., M.B., Ch.B.
Robertson, D., M.B., Ch.B., F.R.C.S.Ed.
King, J., M.D., F.R.C.P.
Kerr, A. W. B., M.B., Ch.B.
Muir, A. R., M.D.
8 Assts. (Appl. A.).

Anatomy, Comparative (Veterinary)
Grahame, T., F.R.C.V.S. Reader.

Anthropology
Little, K. L., M.A. Camb., Ph.D. Lond. (Social A.) Reader.
Littlejohn, J., Dip. Anth. Lectr.
Collins, S. F., M.A., Ph.D. Lectr.
6 Assts.

* Member of the Association of Universities of the British Commonwealth.

Arabic

Watt, W. M., M.A., M.Litt. Oxon., M.A., Ph.D. Reader.
Cachia, P. J. E., B.A. Ames, Ph.D. Lectr.

Archæology, Classical

Gough, M., M.A. Camb. Lectr.

Archæology, Prehistoric

Piggott, S., B.Litt. Oxon., F.B.A. Abercromby Prof.
Atkinson, R. J. C., M.A., F.S.A. Lectr.
1 Asst.

Architecture

Matthew, R. H., C.B.E., M.A. Prof.
Cowan, R. Lectr.

Art (Fine Art)

Rice, D. T., M.A., B.Sc., D.Litt. Oxon. Watson Gordon Prof.
Robertson, G. H., M.A. Oxon. Lectr.

Astronomy

Greaves, W. M. H., M.A. Camb., F.R.S. Reg. Prof.
Reddish, V. C., B.Sc. Lectr.

Banking

Lockie, J. H., B.L. Glas. Bruce Lectr.

Biblical Studies

Stalker, Rev. D. M. G., M.A., B.D. Lectr.

Bibliography

Sharp, L. W., Ph.D. Camb., M.A. Lectr.

Biology, v. Nat. Hist.

Botany, v. also Forestry

Smith, Sir W. Wright, D. ès Sc. Toulouse, LL.D. Aberd., M.A., F.R.S., F.L.S. Reg. Prof.
Nelson, A., B.Sc. Glas., Ph.D., D.Sc. Reader.
Anthony, J., M.C., M.A., B.Sc. (For. B.) Sr. Lectr.

Lecturers

Lyall, C. A., B.Sc.
Roberts, J., B.Sc.
Davis, P. H., B.Sc., F.L.S.
Dodds, J. G., B.Sc.

Celtic Languages, etc.

Jackson, K. H., M.A. Camb., A.M. Harv., Litt. D. Camb. Prof.
Matheson, Rev. W., M.A. Lectr.

Chemistry

Kendall, J. P., M.A., D.Sc., F.R.S. Prof.
Ritchie, M., D.Sc., Ph.D., F.R.I.C. Reader.
Campbell, N., D.Sc., Ph.D. Reader.
Miller, Christina C., D.Sc., Ph.D. Sr. Lectr.
Bolam, T. R., M.Sc. Brist, D.Sc. Sr. Lectr.

Lecturers

Beevers, C. A., D.Sc. Liv., F.I.P.
Taylor, D., B.Sc., Ph.D.
Aspinall, G. O., B.Sc. Brist.
Magee, R. J., M.Sc. Belf.
Percival, Mrs. E. E., B.Sc. Birm., Ph.D.
Haynes, L. J., B.Sc., Ph.D.
Manners, D. J., B.A., Ph.D.
Stafford, W. H., B.Sc., Ph.D.
Greenwood, C. T., B.Sc., Ph.D.
Knox, J. H., B.Sc., Ph.D.
Trotman-Dickenson, A. F., M.A., B.Sc., Ph.D.
6 Assts.

Chemistry in relation to Medicine

Marrian, G. F., D.Sc. Lond., F.R.S., F.R.I.C. Prof.

Readers

Stewart, C. P., M.Sc. Durh., Ph.D.
Stedman, E., B.Sc. Lond., Ph.D., F.R.S.
Illingworth, R. E., B.Sc., Ph.D., F.R.I.C. Sr. Lectr.

Lecturers

Grant, J. K., B.Sc., Ph.D.
Ramsay, W. N. M., B.Sc., Ph.D.
Minnis, J. W., B.Sc., Ph.D.
Roy, A., B.Sc., Ph.D.

Cruft, H. J.
11 Assistants.

Chemistry, Organic

Hirst, E. L., M.A., B.Sc., Ph.D. St. And., D.Sc. Birm., M.Sc. Manc., F.R.I.C., F.R.S. Prof.

Chemistry, Technical

Wilson, D. M., B.Sc., Ph.D. Glas. Lectr.

Classics : Greek

Beattie, A. J., M.A. Aberd. Prof.
Coxon, A. H., M.A. Oxon. Lectr.
Dunbar, Nan V., B.A. Camb., M.A. Lectr.

Classics : Latin

Grant, M., O.B.E., M.A. Camb. Prof.

Lecturers

Potter, K. R., M.C., M.A. Oxon.
Smith, W. K., M.A. Camb.
Wellesley, K., M.A. Camb.
Bishop, J. H., M.A. Camb.

Commerce, and Organization of Industry, v. also Acc., Banking

Hunt, N. C., B.Com. Lond., Ph.D. Prof.
Redfern, J., B.Com. Lectr.
1 Asst.

Commercial and Polit. Econ. and Merc. Law, v. also Law

Gray, Sir Alexander, C.B.E., M.A. Prof.

Lecturers

Birnie, A., M.A. (Econ. Hist.) Sr. Lectr.
Marwick, W. H., M.A. (Econ. Hist.).
Smith, I., M.A.
Wright, L. C., B.A. Wales, Ph.D.
Heughan, Hazel, M.A.
Thompson, A. C., M.A., Ph.D.
2 Assts.

Cytology, v. Nat. Hist.

Divinity, v. also New College, p. 609

Baillie, Very Rev. J., LL.D. Muhlenberg, D.D. Yale and Prin., S.T.D. Dickinson, M.A., D.Litt., D.D. Prof.
Burleigh, Rev. J. H. S., B.Litt. Oxon., D.D. Aberd., M.A., B.D. (Eccl. Hist.) Prof.
..... (Biblical Criticism and Bibl. Antiq.) Prof.
Torrance, Rev. T. F., M.B.E., D.D. McG. and Presbyt. Coll., Montr., D.Theol. Basle, M.A., B.D. (Christian Dogmatics) Prof.
Stewart, Rev. J. S., M.A., D.D. St. And. (N.T. Lang. and Lit.) Prof.
Tindal, Rev. W. S., O.B.E., M.A. Glas., D.D. (Christian Ethics and Practical Theol.) Prof.
Duthie, Rev. C. S., M.A., B.D. Aberd. Lectr.
Smith, Rev. J. W. D., M.A., Ed.B. Glas., B.D. Lectr.
1 Asst.

Economics, v. Comm. and Pol. Econ.

Education

Pilley, J. G., M.A. Prof.

Lecturers

Mowat, G., M.A., B.Ed.
Inglis, W. B., M.A., Ed.B., Ph.D. Glas.
Fulton, A. S., M.A.
Pilliner, A. E. G., B.Sc. Birm.
Wolstencroft, H. P., M.C., B.A.
Walsh, W., M.A.
Renshaw, T., B.Sc., B.Ed.
9 Assts.

Engineering

Arnold, R. N., M.S. Ill., D.Sc. Glas., Ph.D., D.Eng. Sheff. Reg. Prof.

Senior Lecturers
Stewart, D. S., B.Sc. Lond., Ph.D.
Davidson, M., B.Sc., Ph.D. (Heat Engines).
Lecturers
Patterson, C.
Dudgeon, W., B.Sc.
Warburton, G. B., M.A. Camb., Ph.D.
Farvis, W. E. J., B.Sc. Lond.
Hunter, W. B., B.Sc.
Zienkiewicz, O. C., B.Sc., Ph.D. Lond.
Fishwick, W., M.A., Ph.D. Camb.
Robson, J. D., M.A. Oxon.
Melvin, H. M., M.A. Oxon.
MacLean, T. S. M., B.Sc.
Patten, T. D., B.Sc.
Vincent, C. H., M.Sc.
3 Assts.

English Language and General Linguistics
McIntosh, A., M.A. Oxon., A.M. Harv. Prof.
Schram, O. K., M.A. Wales, Ph.D. Camb. Sr. Lectr.
Lecturers
Samuels, M. L., M.A. Oxon.
Palsson, H., B.A. Dub. (Scandinavian).
1 Asst.

English Lit. and Rhetoric
Renwick, W. L., M.A., D.Litt. Glas., B.Litt. Oxon., D. ès L. Bordeaux, F.B.A. Reg. Prof
Clark, A. M., D.Phil. Oxon., M.A., D.Litt. Reader.
Lecturers
Paxton, K. D., M.A.
Maynard, Winifred A., B.A. Durh., B.Litt. Oxon.
Prudhoe, J., M.A. Camb.
Butter, P. H., M.A.
Corke, H., M.A.
6 Assts.

Entomology, v. *infra*, Agric.

Forestry, v. *infra*, Agric.

French and Romance Philol.
Orr, J., M.A., B.Litt. Oxon., D.Litt. Manc., L. ès L. Paris, F.B.A. Prof.
Legge, M. Dominica, M.A., B.Litt. Oxon. Reader.
Lecturers
Steele, A. J., M.A.
Clark, J. G., D. de l'U Paris.
Barnwell, H. T., D. de l'U. Montpellier, M.A.
McMillan, D., B.A., Ph.D. Lond. (Romance Philol.).
17 Assts.

French Literature
Green, F. C., M.C., M.A., D.Phil., D. ès L. Paris and Rennes Prof.

Geography
Watson, J. W., Ph.D. Tor., M.A., F.R.S.C. Prof.
Lecturers
Geddes, A., D. ès L. Montpellier, Ph.D.
Snodgrass, Catherine P., M.A., Ph.D.
Robertson, C. J., Ph.D. Lond., M.A., B.Sc.
Macgregor, D. R., M.A. Aberd.
6 Assts.

Geology
Holmes, A., D.Sc. Lond., F.R.S. Reg. Prof.
Lecturers
Cockburn, A. M., B.Sc., Ph.D.
Craig, G. Y., B.Sc. Glas.
Black, G. P., B.Sc., Ph.D. (Petrol.)
Walton, E. K., B.Sc., Ph.D.
Duff, P. McL., B.Sc.
1 Asst.

German and Teutonic Philol.
Mason, E. C., B.A. Oxon., M.A. Camb., Ph.D. Leipzig Prof.
Silber, Kathe, Ph.D. Berl. Lectr.
Wardale, W. L., M.A. Liv. Lectr.
George, E. F., M.A. Oxon. Lectr.
2 Assts.

Hebrew and Semitic Langs.

Porteous, Rev. N. W., M.A. Oxon., D.D. St. And., M.A., B.D. Prof.

1 Asst.

Hispanic Studies

Walton, L. B., B.A. Lond., M.A., B.Litt. Oxon. Reader.

Crosland, Margaret, B.A. Camb. Lectr.

1 Asst.

History, v. also Comm. and Pol. Econ.

Horn, D. B., M.A., D.Litt. Prof.

Lecturers

Shepperson, G. A., M.A. Camb.

Kiernan, V. G., M.A. Camb.

Duncan, A. M. M., M.A.

3 Assts.

History, Ancient (Gk. and Roman)

Cadoux, T. J., M.A., D.Phil. Oxon. Lectr.

History, Ancient, and Palæog.

Dickinson, W. C., M.C., M.A., Ph.D. St. And., D.Lit. Lond. Prof.

Donaldson, G., Ph.D. Lond., M.A. Lectr.

1 Asst.

History, Const., and Const. Law

Mitchell, J. D. B., LL.B., Ph.D. Prof.

Keith, E. J., M.A., LL.B. Lectr.

Stewart, E. G. F., M.A., LL.B. Asst.

History, Mediæval

Hay, D., M.A. Oxon. Prof.

Italian

Rossi, M. M., M.A. Florence, Lib.Doc. Rome Lectr.

1 Asst.

Law, v. *infra*

Mathematics

Aitken, A. C., M.A. N.Z., D.Sc., F.R.S. Prof.

Edge, W. L., M.A., Sc.D. Camb. Reader.

Etherington, I. M. H., B.A. Oxon., D.Sc. Sr. Lectr.

Lecturers

Cossar, J., B.A., Ph.D. Camb., M.A.

Mott, J. L., M.A. Oxon.

Palmer, D. G., M.A. Camb.

Brown, L. M., M.Sc. Brist., Ph.D. St. And. (Tech. Maths.).

Mackenzie, G., B.Sc. St. And. and Lond. (Tech. Maths.).

Lawley, D. N., M.A. Camb., D.Sc. (Statistics).

Fulton, J., M A., Ph.D. Glas

Heywood, P., M.A., D.Phil.

Mathematics, Applied

Lecturers

Schlapp, R., Ph.D. Camb., M.A.

Nisbet, A., M.A.

Pursey, D. L., B.Sc., Ph.D.

Medicine and Surgery, v. *infra*

Mining

McAdam, R., B.Sc., Ph.D. Hood Prof.

Music

Newman, S. T. M., M.A. Oxon., Mus.D. Durh., F.R.C.O., F.T.C.L. Reid Prof.

Lecturers

Grierson, Mary, Mus.Doc.

Gál, H., Mus.Dr. Vienna.

Fairbairn, J., Mus.Doc.

Natural History and Zoology

Swann, M. M., M.A., Ph.D. Prof.

Friend, G. F., M.A. Oxon., B.Sc. Brist. (Cytology and Exp. Zool.). Sr. Lectr.

Lecturers

..... (Helminthol.).

Steven, D. M., M.A., D.Phil. Oxon., A.M. Harv.

Jones, B. M., B.Sc. Wales.

Tuft, P. H., M.A., Ph.D. Camb.

Hale, L. J., B.Sc., Ph.D. Lond.
Kettle, D. S., D.Sc. Lond.
Kille, R. A., B.Sc.
Rayski, C., B.Sc.
Warwick, T., M.Sc.
Mitchison, J. M.
5 Assts.

Persian

Elwell-Sutton, L. P., B.A. Lectr.

Petrology, v. Geology

Philosophy

Ritchie, A. D., M.A. St. And. and Camb. Prof.
Allan, D. J., M.A. Oxon., F.B.A. (Ancient P.) Reader.

Lecturers

Sinclair, W. A., O.B.E., M.A.
Fairweather, A. M., S.T.M. N.Y., M.A.
2 Assts.

Philosophy, Moral, v. also Psych.

Macmurray, J., M.C., LL.D., M.A. Glas., M.A. Oxon. Prof.

Lecturers

Bedford, E., B.A. Lond.
Heath, P., B.A. Oxon.
Broadie, F., M.A., Ph.D.
4 Assts.

Philosophy, Natural

Feather, N., B.A., Ph.D. Camb., B.Sc. Lond., F.R.S. Prof.
Kemmer, N., M.A., Ph.D. Tait Prof.
Paton, J., M.A., B.Sc. Reader.

Senior Lecturers

Evans, G. R., M.Sc., Ph.D.
Dainty, J., M.A. Camb.
Miller, N., B.Sc., Ph.D. Lond.

Lecturers

Childs, C. B., Ph.D. Birm.
Ross, Marion A. S., M.A., Ph.D.
Kyles, J., M.A.
Sillitto, R. M., B.Sc.
Connor, R. D., B.Sc., Ph.D.
Brown, A. F., M.A., Ph.D.
McInally, M., B.Sc.
Hughes, J., B.Sc., Ph.D.
4 Assts.

Phonetics

Abercrombie, D., B.A. Leeds. Sr. Lectr.
Uldall, Elizabeth T., B.A. Col., M.A. Lond. Lectr.

Physiology

Whitteridge, D., B.Sc., D.M. Oxon., F.R.S. Prof.
Pickford, Mary, M.Sc. Lond. Reader.

Senior Lecturers

Passmore, R., M.A., D.M. Oxon.
Draper, M. H., M.B., B.S. Adel.

Lecturers

Dewar, A. D., B.Sc., Ph.D. Lond.
Watt, J. A., B.A. Oxon., M.B., Ch.B.
Walsh, E. G., M.A., B.M., B.Ch., B.Sc. Oxon., M.D. Harv.
Iggo, A., B.Sc., Ph.D.
Swan, A. A. B., B.Sc., M.B., Ch.B.

Pol. Econ., v. Commercial and Pol. Econ.

Political Science

Nobbs, D., M.A. Camb. Lectr.

Psychology

Drever, J., M.A. Prof.

Senior Lecturers

Collins, Mary, M.A., B.Ed., Ph.D., F.B.Ps.S.
McMahon, D., M.A. Durh.

Lecturers

Semeonoff, B., M.A., B.Ed., Ph.D., F.B.Ps.S.
McKenzie, R. M., M.A.
Cookson, Joyce, M.A.
6 Assts.

Rhetoric, v. English Lit.

Russian

Ward, D., B.A. Camb. Lectr.
1 Asst.

Sanskrit and Comp. Philol.
..... Reg. Prof.
Allan, J., M.A., LL.D., F.B.A., F.S.A. Lectr.

Semitic Langs., v. Hebrew

Social Study
Senior Lecturers
Brown, Marjorie A., M.A.
Burns, T., B.A. Brist.
Lecturers
Gregor, Mary J. F., B.Sc., Ph.D.
Browne, Margaret, B.A. Lond.
Richmond, A. H., M.A., B.Sc.
2 Assts.

Statistics, v. Mathematics

Theology, v. Divinity

Turkish
Walsh, J. R., B.A. Lectr.

Urdu
Lokhandwalla, S. T., D.Phil. Oxon., M.A., LL.B.

Veterinary Studies, v. *infra*

Zoology, v. Nat. Hist.

Agriculture and Forestry
(v. also Bot., Engin.)

Agricultural Bacteriology
Gibson, T., D.Sc. Lectr.

Agricultural Chemistry
Smith, A. M., Ph.D., D.Sc., F.R.I.C. Lectr.

Agriculture and Forest Entomol.
Lecturers
McHardy, J. W., B.Sc.
Guild, W. J., Ph.D. Lond., B.Sc.

Agriculture and Rural Economy
Watson, S. J., D.Sc. Durh., F.R.I.C. Prof.
Gordon, J. E., B.Sc. Aberd., Ph.D. Sr. Lectr.
Lecturers
Cunningham, J. M. M., B.Sc.
Hayes, S. F., B.Sc.
Holmes, J. C., B.Sc.
Knox, M. A., B.Sc.
McIver, R. M., B.Sc.
Runcie, K. V., B.Sc.
Herriot, Mrs. Catherine, M.A.
Harkins, J., B.Sc., M.A.
1 Asst.

Animal Genetics
Waddington, C. H., M.A., Sc.D. Camb., F.R.S. Prof.
Senior Lecturers
Beale, G. H., M.B.E., B.Sc., Ph.D. Lond.
Woolf, B., M.A., Ph.D. Camb.
Lecturers
Auerbach, Charlotte, Ph.D., D.Sc.
Clayton, Ruth M., B.A. Oxon.
Maule, J. P., M.A. Camb.
3 Assts.

Forestry
Anderson, M. L., M.C., M.A. Oxon., D.Sc. Prof.
Fergusson, D. C., M.C., B.Sc. Sr. Lectr.
Lecturers
Harrison, J. L.
Fairbairn, W., D.Sc.
Mutch, W. S., B.Sc., Ph.D.

Dentistry

Dental Anatomy and Histology
Kemball, C. H., D.D.S. Pennsylvania, H.D.D., L.D.S. Sr. Lectr.
Paterson, J. K., L.D.S. Asst.

Dental Mechanics and Prosthetics
Watt, D. M., H.D.D., L.D.S. Sr. Lectr.
MacGregor, A. R. Lectr.
Geddes, M. Lectr.

Dental Surgery
Hutchison, A. C. W., D.D.S. Rand, L.D.S. Manc. Prof.

Dental Surgery and Pathology and Dental Radiology
Bradshaw, A. R., L.D.S. Lectr.

Extractions under General Anæsthesia
Dyce, P. J. B., L.D.S. Sr. Lectr.
Rose, G. M., L.D.S. Sr. Lectr.

Local Anæsthetics
Duvall, A. E., H.D.D., L.D.S. Lectr.

Operative Dental Surgery
Baxendine, W. P., O.B.E., L.D.S. Sr. Lectr.
Beagrie, G. S., L.D.S. Lectr.
Waterston, W., L.D.S. Lectr.

Orthodontics
Hopkin, G. B., H.D.D., L.D.S. Sr. Lectr.
McEwan, J. D., D.D.O., L.D.S. Lectr.

Periodontal Diseases
Galloway, J. W., T.D., L.D.S.

Preventive Dentistry
Wallis, C. P., B.Sc., L.D.S. Lectr.

Law

Administrative Law
M'Larty, M. R., M.A. Camb. Lectr.
3 Assts.

Civil Law
Fisher, M. G., C.B.E., Q.C., M.A., LL.B. Prof.
1 Asst.

Constitutional Law, v. Hist.

Conveyancing
Monteath, H. H., B.A. Oxon., LL.D. Prof.
1 Asst.

English Law
..... Reader.

Evidence and Pleading
Dickson, W. F., M.A., LL.B. Lectr.

Industrial Law
McDonald, R. H., M.C., M.A., LL.B. Glas. Lectr.

International Private Law
.....

International Relations
Macartney, C. A., M.A. Oxon., D.Litt. Prof.

Public Law
Campbell, A. H., M.A., B.C.L. Oxon., LL.M. Birm., M.A. Reg. Prof.

Scots Law
Montgomery, G. A., Q.C., M.A., LL.B. Glas. Prof.

Lecturers
Maxwell, D., M.A., LL.B.
Taylor, R. R., M.A., LL.B., Ph.D. Glas.
Anderson, D. C., B.A. Oxon., LL.B.
4 Assts.

Medicine

(for subjects of the first 2 yrs.—Anat., etc., v. *supra*)

Bacteriology
Mackie, T. J., C.B.E., M.D., LL.D. Glas., D.P.H. Oxon. R. Irvine Prof.

Senior Lecturers
Swain, R. H. A., M.A., M.D. Camb.
Wright, Helen A., M.B., Ch.B., D.P.H.
Bowie, J. H., M.B., Ch.B.

Lecturers
Duguid, J. P., B.Sc., M.D., Ch.B.
MacCabe, A. F., M.D., Ch.B., D.P.H.
Wallace, A. T., M.D., Ch.B.
Coghlan, Mrs. Joyce D., B.Sc.
Wilkinson, J. F., B.A., Ph.D. Camb.
Edmunds, P. N., B.Sc., M.B., Ch.B.
Gould, J. C., B.Sc., M.B., Ch.B.
Tulloch, Nina A. B., M.B., Ch.B.
Durie, T. B. M., M.B., Ch.B.
Tonkin, R. W., M.B., Ch.B.
Gillies, R. R., M.B., Ch.B., D.P.H.

Lawson, A. W. B., M.B., Ch.B.
Allan, W. S. A., M.B., Ch.B., F.R.C.P.Ed.
Constable, F. L., B.Sc., M.B., B.S. Durh.

Chemistry, Clinical
Stewart, C. P., M.Sc. Durh., Ph.D. Reader.
Tompsett, S. L., B.Sc. Lond., Ph.D., D.Sc. Glas., F.R.I.C. Sr. Lectr.

Lecturers
Crombie, J. D., B.Sc., M.B., Ch.B.
Kapeller-Adler, Regina, Ph.D. Vienna, D.Sc.
Easson, L. H., B.Sc., Ph.D.
Gilchrist, Elizabeth, M.A., B.Sc., Ph.D.
Owen, J. A., B.Sc., M.B., Ch.B.
1 Asst.

Child Life and Health, v. also *infra*, Clin. Teaching Staff
Ellis, R. W. B., M.A., M.D. Camb., F.R.C.P. Prof.
McGregor, Agnes R., M.B., Ch.B., M.D. Reader.
Tait, H. P., M.D., F.R.C.P.Ed. (Preventive Pædiatrics) Sr. Lectr.

Lecturers
Thomson, J., M.B., Ch.B., M.D., D.P.H., D.C.H.
Methven, Margaret, M.B., Ch.B., M.A.
Dott, E. F., M.B., Ch.B., F.R.C.P.Ed.
Nicholson, D. N., M.B., Ch.B.
Farquhar, J. W., M.B., Ch.B.

Dental Diseases
.....

Dermatology
Percival, G. H., M.D., F.R.C.P.Ed. Prof.
Hannay, P. W., M.B., Ch.B. Lectr.

Eye, Diseases of the, v. *infra*, Clin. Teaching Staff

Forensic Medicine
Kerr, D. J. A., M.D., F.R.C.P. Prof.
Ogilvie, R. F., M.D., F.R.C.P.Ed. Reader.
Fiddes, F. S., O.B.E., M.D. Sr. Lectr.

General Practice Teaching Unit
Scott, R., M.D., D.P.H. Sr. Lectr.
Dempster, C. M., M.B., Ch.B. Lectr.

Gynæcology, v. Obstetrics and Gynæcology, *infra*, Clin. Teaching Staff

History of Medicine
Guthrie, D., M.D., F.R.C.S. Lectr.

Infectious Diseases
Joe, A., D.Sc., M.D., D.P.H. Lectr.

Laryng., Otol. and Rhinology, v. *infra*, Clin. Teaching Staff

Materia Medica
Gaddum, J. H., M.A., Sc.D. Camb., F.R.S. Prof.
Vogt, Martha, Dr.Med., Dr.Phil. Berl., Ph.D. Camb., F.R.S. Reader.
Adam, H., M.B., Ch.B. Sr. Lectr.

Lecturers
Crawford, T. B. B., B.Sc., Ph.D.
Stephenson, R. P., B.Sc. Birm. and Oxon.

Medicine, v. also *infra*, Clin. Teaching Staff
Davidson, L. S. P., B.A. Camb., M.D., F.R.C.P.Ed. Prof.

Readers
Gilchrist, A. R., M.D., F.R.C.P. (Clin. Cardiol.).
Card, W. I., M.D. Lond., F.R.C.P.

Senior Lecturers
Turner, R. W. D., M.A., M.D. Camb.
Meiklejohn, A. P., M.A., B.Sc., D.M. Oxon. (Nutrition).

Duthie, J. J. R., M.B., Ch.B. Aberd. (Rheumatology).
French, E. B., B.A., M.B., B.Chir. Camb.
Strong, J. A., M.B.E., B.A., M.B., Ch.B.
Girdwood, R. H., M.D., Ph.D., F.R.C.P.Ed.

Lecturers

Innes, J., M.D., F.R.C.P.Ed.
MacLeod, J. G., M.B., Ch.B., F.R.C.P.Ed.
Sinclair, R. J. G.
2 Assts.

Medicine, Clinical, v. *infra*, Clin. Teaching Staff

Mental Diseases, v. Psychiatry

Neurological Surgery

Dott, N. M., M.B., Ch.B., F.R.C.S.Ed. Prof.
Gillingham, F. J., M.B., B.S., F.R.C.S. Sr. Lectr.
Marshall, J., M.D. Lectr.

Neurology, Clinical

Slater, J. K., O.B.E., M.D., F.R.C.P.Ed. Lectr.

Obstetrics and Gynæcology, v. also *infra*, Clin. Teaching Staff

Kellar, R. J., M.B.E., M.B., Ch.B., F.R.C.S.Ed., F.R.C.P.Ed., F.R.C.O.G. Prof.

Senior Lecturers

Haultain, W. F. T., O.B.E., M.C., B.A., M.B., B.Chir. Camb., F.R.C.P.Ed., F.R.C.S.Ed., F.R.C.O.G.
Matthew, G. D., M.B., Ch.B., F.R.C.S.Ed.

Lecturers

Anderson, A. F., B.Sc., M.B., F.R.C.S.
MacGregor, T. N., M.D., F.R.C.S.Ed. (Gynæcol. Endocrinol.).
Scandrett, F. J., B.Sc , Ph.D.

Assistant

Liston, W. A., M.B., Ch.B., F.R.C.S.Ed., F.R.C.O.G.

Orthopædic Surgery

Mercer, W., M.B., Ch.B., F.R.C.S.Ed. Prof.

Pathology, v. also Anat. and Bacteriol.

Montgomery, G. L., T.D., Ph.D. St. And., M.D. Glas., F.R.F.P.S.Glas. Prof.
Ogilvie, R. F., M.D., F.R.C.P.Ed. Reader.
MacGregor, Agnes R., M.D., F.R.C.P.Ed. Reader.

Lecturers

Maloney, A. F. J., B.Sc., M.B., Ch B.
Davidson, J., M.B., Ch.B., F.R.C.P.Ed.
Maclean, N., M.B., Ch.B.
MacDonald, Mary K., M.B., Ch.B.
Bain, A., M.B., Ch.B.
Cruikshank, B., M.B., Ch.B.
Lees, T. W., M.D.
Le Roux, Anne E., B.Sc., M.B., Ch.B. Cape T.
McGregor, J. D., M.B., Ch.B.
Peden, A. S. C., M.B., Ch.B.
MacFarlane, A., B.Sc., M.B., Ch.B.
Robb, Patricia M., M.B., Ch.B.
Barrett, J. S., M.C., M.B., Ch.B.
Drennan, A. J. M., M.B., Ch.B., F.R.C.P.Ed.
Park, J. N., M.A., M.B., Ch.B.

Psychiatry

..... Prof.

Lecturers

Batchelor, I. R. C., M.B., Ch.B.
Robertson, Elizabeth, M.B., Ch.B.
Magill, Betty, M.B., Ch.B., D.P.H.

Public Health and Social Medicine

Crew, F. A. E., M.D., D.Sc., Ph.D., F.R.S., F.R.C.P.Ed. Prof.

Seiler, H. E., M.D. Glas. Sr. Lectr.
Douglas, J. W. B., B.A., B.Sc., B.M., B.Ch.Oxon. Sr. Lectr.

Lecturers

Woolf, B., M.A., Ph.D. Camb. (Medical Statistics).
Gammie, J. L., M.B., D.P.H. Aberd.
Hobson, B. M., B.Sc. Aberd.
Mansbridge, J. N., H.D.D.
Stein, Lilli, B.A. Camb.
Gordon, C., M.Sc. Cape T., Ph.D. Lond.
Cameron, D., M.B., Ch.B., D.P.H.
Sklaroff, S. A., B.Sc.
Brown, P. E., M.B., Ch.B., D.P.H.
Simpson, J., M.D., D.P.H.

Radiology

McWhirter, R., M.B., Ch.B. Glas., F.R.C.S.Ed. Prof.
Shearer, W. S., M.D., D.R., F.R.C.S.Ed. (Radio - Diagnosis) Sr. Lectr.

Lecturer

Murison, C. A., M.A. Aberd., Ph.D. Lond. (Physics).

Surgery, v. also *infra*, Clin. Teaching Staff

Learmonth, Sir J. R., K.C.V.O., C.B.E., M.B., Ch.M. Glas., M.D. Oslo, F.R.C.S.Ed. (Surgery and Clin. S.) Prof.
Gillies, J., M.B., F.R.C.S.Ed. (Anæsthetics) Reader.
Band, D., M.B., Ch.B., F.R.C.S.Ed. (Urological S.) Reader.
Wallace, A. B., M.Sc. McG., M.B., Ch.B., F.R.C.S.Ed. (Plastic S.) Reader.
Delorme, E. J., M.D., F.R.C.S. Can. Sr. Lectr.
Sinclair, I. S. R., M.B., Ch.B., F.R.C.S.Ed. Sr. Lectr.
Macpherson, A. I. S., M.B., Ch.M., F.R.C.S.Ed. Sr. Lectr.

Lecturers

Brown, J. J. M., M.B., Ch.B., F.R.C.S.Ed. (Pædiatric S.).
Logan, A., M.B., Ch.B. St. And., F.R.C.S.Ed. and Eng. (Thoracic S.).
Bruce, J., C.B.E., M.B., Ch.B., F.R.C.S.Ed.
Barker, Audrey N., B.Sc., Ph.D.
Millar, T. McW., M.B., Ch.B., F.R.C.S.Ed.
Milton, G. W., M.B., B.S., F.R.C.S., F.R.A.C.S. (Surg.) Lectr.

Therapeutics

Dunlop, D. M., B.A. Oxon., M.D. Prof.
MacGregor, A. G., B.Sc., M.B., Ch.B., F.R.F.P.S. Glas. Sr. Lectr.

Lecturers

Rolland, C. F., B.A. Camb., M.B., Ch.B.
Kinnear. T. W. G., M.B.E., M.B., Ch.B.

Tropical Climates, Diseases of

Wright, F. J., M.A., M.D., D.T.M. & H. Sr. Lectr.

Tropical Hygiene

Wright, F. J., M.A., M.D., D.T.M. & H. Sr. Lectr.

Tuberculosis

Crofton, J. W., M.D., B.Chir., M.A. Camb. Prof.

Lecturers

Horne, N. W., M.B., Ch.B.
Ross, J. D., M.B., Ch.B., F.R.C.P.

2 Assts.

Venereal Diseases

Lees, R., M.A., F.R.C.P.Ed. Lectr.
Murrell, Marjory, M.B., B.S. Lond. Asst.

Clinical Teaching Staff

ROYAL INFIRMARY—

Clinical Surgery

Surgeons-in-Charge

Learmonth, Prof. Sir J. R., K.C.V.O., C.B.E., M.B., Ch.M. Glas., M.D. Oslo, F.R.C.S.Ed.

Mercer, W., M.B., Ch.B., F.R.C.S.Ed.
Brown, K. P., M.B., Ch.B., F.R.C.S.Ed.
Stewart, R. L., M.B., Ch.B., F.R.C.S.Ed.
Millar, T. McW., M.B., Ch.B., F.R.C.S.Ed.
Adamson, W. A. D., M.B., Ch.B., F.R.C.S.Ed.

Surgeons

Cameron, J. R., F.R.C.S.Ed.
Farquharson, E. L., M.D., F.R.C.S.Ed. and Eng.
Jeffrey, J. S., M.A., M.D., F.R.C.S.Ed.
Wilson, T. I., M.B., Ch.B., F.R.C.S.Ed.
Porter, H. W., M.B., Ch.B.
Ross, J. A., O.B.E., M.B., Ch.B., F.R.C.S.Ed.
Sinclair, I. S. R., M.B., Ch.B., F.R.C.S.Ed.
McIntosh, D. M., M.D., F.R.C.S. Eng. and Ed.
Macpherson, A. I. S., M.B., Ch.M., F.R.C.S.Ed.

Senior Registrar

Roemelle, P. M., M.B., Ch.B., F.R.C.S.Ed.

Clinical Medicine

Physicians-in-Charge

Alexander, W. A., M.B., Ch.B., F.R.C.P.Ed.
Dunlop, Prof. D. M., B.A., M.D., F.R.C.P.Ed.
Davidson, Prof. L. S. P., B.A., M.D., F.R.C.P.Ed. and Eng.
Gilchrist, A. R., M.B., Ch.B., F.R.C.P.Ed.
Todd, T. R. R., M.D., F.R.C.P.Ed.
Slater, J. K., C.B.E., M.D., F.R.C.P.Ed.
Cameron, J. D. S., M.D., F.R.C.P.Ed.

Physicians

Lyon, R. M. M., M.D., F.R.C.P.Ed.
Lamb, W. L., M.B., Ch.B., F.R.C.P Ed.
Hamilton, J. G. M., M.B., Ch.B., F.R.C.P.Ed.
Croom, J. H., B.A., M.B., Ch.B., F.R.C.P.Ed.
Robertson, C. K., M.D., F.R.C.P.Ed., D.P.H.
Batty, D. M. F., M.B., Ch.B., F.R.C.P.Ed.
Innes, J., M.D., F.R.C.P.Ed.
Matthew, H. J. S., M.B., Ch.B., F.R.C.P.Ed.
Girdwood, R. H., M.D., Ph.D., F.R.C.P.Ed.
Assoc. Physician.

Clinical Obstetrics and Clin. Gynæcology

Obstetricians and Gynæcologists-in-Charge

Kellar, Prof. R. J., M.B.E., M.B., Ch.B., F.R.C.S.Ed., F.R.C.O.G.
Miller, D. A., M.D., F.R.C.S.Ed., F.R.C.P.Ed., F.R.C.O.G.
Fahmy, E C., M.B., F.R.C.S.Ed., F.R.C.O.G.

Obstetricians and Gynæcologists

Sturrock, J., M.B., F.R.C.S.Ed., F.R.C.O.G.
Kennedy, C. D., M.B., F.R.C.S.Ed., F.R.C.O.G.
Liston, W. A., M.B., Ch.B., F.R.C.S.Ed.
Matthew, G. D., M.B., Ch.B., F.R.C.S.Ed.
Callam, W. D. A., M.B., Ch.B., F.R.C.S.Ed.
Irvine, D. J. N., M.B., Ch.B.
Adamson, T. C., M.B., Ch.B.
Sr. Registrar.

Ophthalmology

Surgeons-in-Charge

Scott, Prof. G. I., M.B., Ch.B., F.R.C.S.Ed.

Paterson, J. R., M.B., Ch.B, F.R.C.S.Ed.

Surgeons

Macaskill, J., M.B., Ch.B., F.R.C.S.Ed.

Jackson, C. R. S., M.A., B.M., B.Ch., F.R.C.S.Ed.

Senior Registrars

Eadie, S. P., B.Sc, M.B., Ch.B., F.R.C.S.Ed.

Stokol, N. L., M.B., Ch.B., F.R.C.S.Ed.

Ear, Nose, Throat

Surgeons-in-Charge

Hall, I. S., M.B., Ch.B., F.R.C.S.Ed.

Stewart, J. P., M.D., F.R.C.S.Ed.

Surgeons

Smith, A. B., M.D., F.R.C.S.Ed.

Farquharson, I. M., M.B., Ch.B., F.R.C.S.Ed.

Lumsden, R. B., M.B., Ch.B., F.R.C.S.Ed.

McDowall, G. D., M.B., Ch.B., F.R.C.S.Ed.

Dermatology

Physicians-in-Charge

Peterkin, G. A. G., M.B., Ch.B., F.R.C.P.Ed.

Percival, Prof. G. H., M.D., Ph.D., F.R.C.P.Ed., D.P.H.

Physicians

Hannay, P. W., M.B., Ch.B.

Lyell, A., M.B., Ch.B. Sr. Registrar.

ROYAL HOSPITAL FOR SICK CHILDREN—

Pædiatricians-in-Charge

Ellis, Prof. R. W. B., M.A., M.D., F.R.C.P.Ed.

Nicholson, D. N., M.B., Ch.B., F.R.C.P.Ed.

Dott, E. F., M.B., Ch.B., F.R.C.P.Ed.

Pædiatricians

Miller, R. A., M.A., M.D., F.R.C.P.Ed.

Douglas, D. M., M.D. Lond.

Senior Registrar

Lewis, I. C., M.B., Ch.B., D.Ch.

Surgeon-in-Charge

Brown, J. J. M., O.B.E., M.B., Ch.B., F.R.C.S.Ed.

Surgeons

Mackay, Rosamund M. I., M.B., Ch.B., F.R.C.S.Ed.

Robarts, F. H., M.B., Ch.B., F.R.C.S.Ed.

Ear, Nose and Throat

Surgeon-in-Charge

Scott, C. E., M.B., Ch.B., F.R.C.S.Ed.

Surgeon

Birrell, J. F., M.D., F.R.C.S.Ed.

Plastic Surgery

Wallace, A. B., M.B., Ch.B., M.Sc., F.R.C.S.Ed. Surgeon.

WESTERN, NORTHERN AND EASTERN GENERAL HOSPITALS

Medical Unit

Physicians-in-Charge

Turner, R. W. D., M.A., M.D.

Card, W. I., M.D., F.R.C.P.

Duthie, J. J. R., M.B., Ch.B.

Marshall, J., M.D., D.P.M.

Physicians

Sclater, J. G., B.Sc., M.B., Ch.B., F.R.C.P.Ed.

Strong, J. A., M.B.E., B.A., M.B., B.Ch., B.A.O. Dub.

MacLeod, J. G., M.B., Ch.B., F.R.C.P.Ed.

Sinclair, R. J. G.

French, E. B., B.A., M.B., B.Chir. Camb.
Fraser, H. R. L., M.B., Ch.B. Sr. Registrar.

Surgical Unit

Surgeons-in-Charge

Bruce, J., C.B.E., M.B., Ch.B., F.R.C.S.Ed.
Band, D., M.B., Ch.B., F.R.C.S.Ed.
Logan, A., F.R.C.S.Ed.

Surgeons

Tulloch, W. S., M.B., Ch.B., F.R.C.S.Ed.
Wade, J. D., M.B., Ch.B., F.R.C.S.
Falconer, C. W. A., M.B., Ch.B., F.R.C.S.Ed.

Senior Registrars

Walbaum, P. R., M.B., Ch.B., F.R.C.S.Ed.
McCormack, R. J. M., M.B., Ch.B., F.R.C.S.Ed.

Obstetrics and Gynæcology Unit

Obstetricians and Gynæcologists-in-Charge

Haultain, W. F. T., O.B.E., M.C., B.A., M.B., B.Chir. Camb., F.R.C.P.Ed., F.R.C.S.Ed., F.R.C.O.G.
Liston, W. A., M.B., Ch.B., F.R.C.S.Ed.
Matthew, G. D., M.B., Ch.B., F.R.C.S.Ed., F.R.C.O.G.
McGregor, T. N., M.D., F.R.C.S.Ed.

Gynæcologist

Anderson, A. F., B.Sc., M.B., Ch.B., F.R.C.S.Ed.

Pædiatrics

Pædiatrician-in-Charge

Forfar, J. O., M.C., B.Sc., M.B., Ch.B.

Senior Registrar

Balf, C. L., M.A., B.M., B.Ch. Oxon.

Royal (Dick) School of Veterinary Studies

Veterinary Surgery

Mitchell, W. M., M.C., T.D., M.B., Ch.B., B.Sc. Prof.
Burgess, J. W. Sr. Lectr.

Veterinary Anatomy

Grahame, T., T.D., F.R.C.V.S. Reader.
Taylor, J. A. Sr. Lectr.
Morris, P. G. D., M.A. Lectr.
Speed, J. G. Lectr.
Hare, W. C. D., B.Sc., Ph.D. Lectr.

Veterinary Bacteriology

Taylor, A. W., Ph.D. Sr. Lectr.
Phillips, J. E., B.Sc. Lectr.
Burrows, R., B.Sc. Lectr.

Veterinary Biology

Warwick, T., M.Sc. Lectr.

Veterinary Hygiene

Robertson, A., M.A., B.Sc., Ph.D., F.R.I.C. Prof.
Grunsell, C. S. Sr. Lectr.

Lecturers

Ferguson, G. S., B.Sc., D.V.S.M.
Paver, H., B.Sc., Ph.D.
Stewart, T.

Veterinary Jurisprudence

Mackenzie-Stuart, A. J., B.A., LL.B. Lectr.

Veterinary Medicine

Boddie, G. F., B.Sc. Prof.
Gregor, W. W. Lectr.
McPherson, E. A. Lectr.
Davidson, C. B. (Clin.) Lectr.

Veterinary Pathology

Beattie, I. S., B.Sc. Lectr.
Head, K. W., B.Sc. Lectr.

Veterinary Pharmacology

Alexander, F. Sr. Lectr.

Veterinary Physiology
Elliot, F. J., M.Sc., Ph.D., F.R.I.C. Sr. Lectr.

Gifford Lecturer in Nat. Theol.
Prof. Emer. R. Buttmann.

Romanes Lecturer
.....

Sharpey-Schafer Memorial Lecturer (Physiology), biennial
Prof. R. A. McCance, M.D., F.R.C.P.

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICE. Deputy Sec., T. A. Joynt, M.A. Asst. Secs., L. D. Macmillan, B.L. ; J. Macpherson, D.F.C., M.A., LL.B. ; R. Taubman, M.A.

SR. ADMINISTRATIVE OFFICERS. Fac. of Sci., A. H. W. Weir, B.Sc. ; Fac. of Med., D. Wood, M.A.

UNIVERSITY LIBRARY. Dep. Librarian, J. C. Corson, M.A., Ph.D. ; Keeper of Manuscripts, C. P. Finlayson, M.A.

UNIVERSITY CHAPLAIN. Rev. D. H. C. Read, M.A., B.D.

DIRECTOR OF EXTRA-MURAL STUDIES. J. Hossack, M.A., B.Com.

DIRECTOR OF STUDENT ACCOMMODATION AND WELFARE OFFICE : Diana C. Matchett.

DIRECTOR OF PHYSICAL EDUCATION : Col. C. M. Usher, D.S.O., O.B.E.

UNIVERSITY ORGANIST. H. Bunney, B.Mus., F.R.C.O.

MASTER OF WORKS. J. Hamilton.

WARDENS OF HOSTELS. Cowan House, C. A. Lyall, B.Sc. ; Salisbury Green, Mrs. Charlotte L. Lindsay ; Masson Hall, Mrs. Janet Veitch, M.A., Ph.D. ; Muir Hall, Dorothy G. Jackson, B.A. ; St. Leonard's House, Mrs. Margaret Macdonald ; University Settlement, F. J. Elphick, B.A. ; Craigmillar Park Hostels, E. Elizabeth Looker, O.B.E., B.A.

CONSTITUENT COLLEGE

NEW COLLEGE, The Mound, Edinburgh. *Telephone* : Caledonian 4272. Founded in 1846 by the Free Church of Scotland : from 1900 a Divinity Hall of the United Free Church of Scotland, and from 1929 of the reunited Church of Scotland in union with the Divinity Hall of the Church of Scotland as previously constituted by the University Faculty of Divinity ; the seat of the Faculty of Divinity in the University as enlarged after 1929, owned and maintained by the Church of Scotland, and accommodating the ordinary and the postgraduate courses in Theology. Principal and Dean of Faculty, Very Rev. Prof. J. Baillie, M.A., D.Litt., D.D., LL.D., S.T.D. Sec., Rev. Prof. N. W. Porteous, M.A., D.D. *Staff* : The Profs. and Lectrs., v. p. 597. *Librarian* : Rev. J. A. Lamb, Ph.D. (over 100,000 vols. in the collection). *Christian Sociol.*: Rev. W. S. Tindal, M.A., Warden of New College Settlement. *Elocution*, Rev. F. Philip.

AFFILIATED COLLEGE

HERIOT-WATT COLLEGE, Chambers St., Edinburgh, 1 (*Telephone* : Central 7121-2-3). Founded as School of Arts, 1821 ; present title adopted 1885. Affiliated to the Univ. of Edinburgh, Feb. 7, 1933. Chairman of Governors, The Lord Provost of Edinburgh. *Principal*, H. B. Nisbet, Ph.D., D.Sc. Edin., F.R.I.C. The College provides instruction in Day and Evening Classes for

those following or proposing to follow technical careers in Mech. Eng., Electr. Eng., Mining Eng., Applied Chem., Brewing, Pharmacy, Optics, Building and Printing. Evening Courses are also provided in Commerce and Langs. Special courses arranged for research students. Degree courses for B.Sc. of Edinburgh Univ. in Mech., Electr. and Mining Engineering and in Tech. Chem. Associateships for full-time day study in Civil Eng., Mech. Eng., Electr. Eng., Mining Eng., Applied Chem., Brewing and Distilling. Diploma course in Building. Certificate courses in Brewing, Optics, Pharmacy and Printing. Mine Rescue Station available for instruction of day students. The Coll. is authorized by the Home Office to grant Certifs. to mine firemen, examns. being arranged at various centres in the Lothians, Fife and Clackmannan.

Entrance examinations in June and Sept. Exemption granted to students who hold the Senior Leaving Certif. of the Scottish Educn. Dept., or have passed the Scottish Univs. Prelim. Examn., or satisfy the Principal as to the adequacy of their general education.

Students holding a degree in Pure or Applied Science of a recognized University or the Heriot-Watt College Associateship or a similar qualification of another Technical College may be admitted for special study for the College Fellowship.

Fees: Entrance examn., £1 : 1s., remitted on passing and joining the Coll. Admission direct to Second or Third Yr. Courses, 30s. Matricn. fee for each session, Degree, £2 : 12s. 6d.; Diploma and Certificate, £1 : 10s. for full-time students; others, 10s. Tuition fees for Degree courses: Engineering, Mech., Civil or Elec. Engin., £30 p.a.; Mining Engin., £30 p.a.; Applied Chem., £30 p.a.; Applied Pharm., £30 p.a.; Applied Phys., £30 p.a.; Brewing, £21 p.a.; Building, £26 : 5s. p.a. Tuition fees for Certificate courses: Optics, £26 : 5s. p.a.; Pharmacy, £30 p.a.; Brewing, £18 : 18s. p.a.; Printing, £26 : 5s. p.a.; Mine Surveying, £10 p.a.

Staff: *Chem.*, Prof. F. Bell, Ph.D., D.Sc. Lond., F.R.I.C.; Asst. Prof. J. Sandilands, Ph.D. Edin., F.R.I.C.; 1 Sr. Lectr., 5 Lectrs. *Brewing and Industrial Fermentation*, Prof. I. A. Preece, Ph.D., D.Sc. Birm., F.R.I.C.; 1 Lectr. *Engin., Electr.*, Prof. M. G. Say, Ph.D., M.Sc. Lond., D.I.C.; Asst. Prof. E. O. Taylor, B.Sc. Lond., D.I.C.; 4 Lectrs. *Engin., Mech.*, Prof. W. G. Green, B.Sc., Ph.D. Lond.; 1 Asst. Prof., 4 Sr. Lectrs., 6 Lectrs. *Engin., Mining*, Prof. R. McAdam, B.Sc., Ph.D.; 1 Sr. Lectr., 2 Lectrs. *Maths.*, R. Smart, M.A. St. And.; 3 Lectrs. *Phys.*, Prof. W. H. J. Childs, D.Sc. Lond., F.I.P.; Asst. Prof. J. Milne, B.Sc. Lond.; 2 Lectrs. *Building*, N. C. Sidwell, B.Sc. Lond.; 2 Lectrs. *Pharmacy*, H. H. Campbell, B.Sc. Edin., F.R.I.C.; 5 Lectrs. *Printing*, F. P. Restall; 5 Lectrs. In addition, 110 visiting lecturers and instructors.

Students (1953–54): 442 full-time day students, 633 pt.-time day students, and 3013 evening students, of whom 21 were reading for Univ. qualifications.

ASSOCIATED COLLEGE, in which Univ. courses are provided.

THE EDINBURGH SCHOOL OF AGRICULTURE: EDINBURGH UNIVERSITY AND THE EDINBURGH AND EAST OF SCOTLAND COLLEGE OF AGRICULTURE, 13 George Square, Edinburgh, 8 (*Telegrams*: Rural, Edinburgh; *Telephone*: Edinburgh 42017). Principal: Prof. S. J. Watson, D.Sc., F.R.I.C.; Deputy Principal and Director of Studies: J. E. Gordon, B.Sc. (Agric.), B.Sc. (For.), Ph.D. *Agric. and Rural Econ.*, Prof. S. J. Watson; Sr. Lectr., J. E. Gordon; Lectrs., M. A. Knox, B.Sc., Agric. Dip. Oxon., S. F. Hayes, B.Sc. (Hortic. Crops), J. M. M. Cunningham, B.Sc., K. V. Runcie, B.Sc., J. C. Holmes, B.Sc., R. M. MacIver, B.Sc. *Agric. Econ. and Farm Accounting*, Hd. of Dept.,

I. Smith, M.A.; Lectr., M. A. Knox, B.Sc.; Asst. Lectr., ... *Agric. Engin., Surveying and Bldg. Construction*, Lectr., L. M. Walker, B.Sc.; Asst. Lectrs., A. Hardie, B.Sc., ... *Bacteriol.*, Hd. of Dept., T. Gibson, D.Sc., Asst. Lectr., R. M. Keddie, B.Sc. *Bee-keeping*, Lectr., J. Cunningham. *Botany*, Hd. of Dept., ...; Lectr., N. R. Lee, B.Sc.; Asst. Lectr., P. C. Harper, B.Sc. *Chem.*, Hd. of Dept., A. M. Smith, Ph.D., D.Sc., F.R.I.C.; Lectrs., A. Comrie, B.Sc., Ph.D., H. Tod, B.Sc., Ph.D., P. McDonald, M.Sc., R. A. Edwards, B.Sc. *Forestry*, Prof. M. L. Anderson, M.C., M.A., D.Sc., and Lectrs. *Hortic.*, Sr. Lectr., J. Bruce; Lectr., S. F. Hayes, B.Sc.; Demr., P. N. Linton. *Vet. Science*, Lectrs., Prof. A. Robertson, M.A., B.Sc., Ph.D., F.R.I.C., and Assts. *Zoology*, Lectrs. E. Dunn, B.Sc. and Assts. 9 Specialist Advisory Officer Depts. (Bot. and Mycol., Bacteriol., Entomol., Economics, Chem., Vet. Science, Farm Buildings, Statistics, Bee-keeping), with graduate staff of 29. Extension Staff: Regional Directors, G. A. Catto, B.Sc., A. K. M. Meiklejohn, B.Sc.; and 48 Assts.

Students (1953–54): 219, of whom 110 were reading for Univ. qualifcns.

GENERAL INFORMATION

Originally the "Town's College," founded in 1583 by the Town Council under general powers granted by Royal Charter, April 14, 1582. The Old College on the site of "Kirk o' Field," the scene of the murder of Lord Darnley, was designed by Robert Adam and William Playfair, and completed in 1828. Newer buildings include the Medical Buildings (1883) and the McEwan Hall (1888–97), which holds 2600 and has a great electric organ; and The King's Buildings for Chemistry and other Science Depts. The Medical School of this Univ. has been famous for over two centuries; specially ample provision exists also for instruction and research in Theology (postgrad. school instituted 1919), Agric., For., Engin., Mining and Vet. Sc.

Royal (Dick) Veterinary College, Summerhall, Edinburgh, 9 (*Telephone*: 41087/8; *Telegrams*: Veter, Edinburgh). Founded 1823; became sch. of vet. studies within the Univ., 1951 (*see* p. 608).

CONSTITUTION. By the Universities (Scotland) Act, 1889, the Univ. Court was constituted a body corporate; it administers the whole Univ. property. The Senatus Academicus regulates teaching and discipline; the General Council is empowered to make representations to the Court on all questions affecting the Univ.'s prosperity. The Chancellor, elected by the General Council for life, is Pres. of the General Council and nominates an Assessor in the Univ. Court. The Vice-Chancellor is nominated by the Chancellor. The Principal, elected by the Curators for life, is Pres. of Senatus; in the absence of the Rector he presides at meetings of Univ. Court, and in the Chancellor's and Rector's absence, at statutory meetings of General Council. The Rector, elected by matriculated students for 3 yrs., is Pres. of Univ. Court, and appts. an Assessor to it. The Court comprises Rector, Principal, Lord Provost of Edin., Assessor nominated by Chancellor, by Rector and by Town Council; by Senatus and by General Council. The Senatus comprises Principal, Profs., and certain Readers and Lectrs. The General Council consists of Chancellor, members of Court, Profs. and grads. of Univ., as well as Readers and Lectrs. of at least 1 yr.'s standing.

LIBRARY, founded in 1580, about 550,000 vols., 4000 MSS. and 3000 Charters. The MSS. include the Laing MSS. (Scottish and miscellaneous), Laing Charters, 854–1837 (chiefly Scottish), Arabic and Persian MSS. The

chief special book collections are the Drummond of Hawthornden (16th-cent. literature), Halliwell-Phillipps (Shakespeare), Lord Abercromby (Archæology, Ethnology), Blackie (Modern Greek), Bruce (Oceanography), Cameron, Mackinnon and Carmichael-Watson (Celtic), Hodgson (Economics), Berriedale Keith (Indian history and literature, and the Constitution of the British Empire). There is a good medical collection and the valuable Reid Music Library. There are published catalogues of *Printed Books* (3 vols., 1918–23), *Laing Charters* (1899), *Western Mediaeval MSS.* (1916), *Arabic and Persian MSS.* (1925) and *Music* (1941). MUSEUMS: Nat. Philos., Fine Art, Geol., Nat. Hist., Chem., Forestry, Agric., Entom. and Forest Zool. (Waterhouse collection of Coleoptera), Anat. (founded with the Monro collection in 1800; numerous specimens of Cetacea and human crania), Physiol., Mat. Med. (notable collections of medicinal and food substances, including those of Duncan and Christison), Forensic Med., Practice of Physic. Surg., Obst. (Simpson collection), Music and Musical Instruments. The Prof. of Botany is Regius Keeper of the *Royal Botanic Garden*; the Prof. of Astronomy is Astronomer Royal for Scotland and gives practical courses at the *Royal Observatory*. The LABORATORIES are especially well equipped for research in Anatomy, Anthropology, Bacteriology, Chemistry (the Labs. at King's Buildings, completed 1924, have accommodation for about 400 students), Zool., Mining, Engin. (notably Hydrs., Strength of Materials, Elec. Engin.), Mat. Med., Path., Physics, Physiol., Psychol., Pub. Health. The Jane Findlay Thomson Commercial Laboratory facilitates the training of B.Com. students in practical business methods. The Univ. has a table at the Millport Marine Station. HOSPITALS: the Royal Infirmary adjoining the Univ. provides over 1000 beds for clinical teaching, in addition to the Children's, Maternity and Fever Hospls., the Royal Mental Hospl., the Royal Victoria Hospl. for Tuberculosis and the Municipal Hospls.

FACULTIES AND DEANS. *Arts*, Prof. J. Orr (French); *Divinity*, Very Rev. Prof. J. Baillie; *Law*, Prof. M. G. Fisher (Civil L.); *Medicine*, Prof. T. J. Mackie (Bacteriol.); *Music*, Prof. S. T. M. Newman; *Science*, Prof. J. P. Kendall (Chem.).

There are 9 Directors of Studies in the Faculty of Arts, 8 in the Faculty of Science and 1 for those combining studies in the Faculties of Science and Medicine.

ADMISSION. *See* Appendix I.

DEGREES. M.A. (Ord. and Hons.), 3 yrs. and 4 yrs.; B.D., B.Sc. (Ord. and Hons.), LL.B., 3 yrs. and 4 yrs.; B.L., 3 yrs.; B.Com., 3 yrs.; B.Ed., 2 yrs.; M.B., Ch.B., B.D.S., B.V.M.S., 6 yrs.; Mus.Bac., 3 yrs.; M.D.; M.Sc.; Ch.M., M.D.S., D.V.M.S., 5 yrs.; Mus.Doc., Ph.D., D.Sc., D.Litt., 3 yrs.

HONORARY DEGREES. M.A.; LL.D.; D.D.

DIPLOMAS AND CERTIFICATES. Actuarial Mathematics, 2 yrs.—open to persons previously admitted as students of the Faculty of Actuaries. Agricultural Science, 1 yr.—open to Hons. grads. in Sci. or Econ., or Ordinary grads. in Agric. of this or any other approved Univ. Education—open to persons who have attended a course of Professional training or have had at least 3 yrs.' experience as a teacher, and have completed a graduation course in Arts or Sci. The diploma is granted on completion of Univ. courses (1 yr.) and passing examns. in Psychol., Theory and Hist. of Educn., and modern Educnl. Systems and Problems. Administrative Law and Practice—open to grads. of a British Univ. or other recognized Univ. and to those who have reached a similar standard. English Studies—open to grads. of the Univ. and to those who have reached a similar standard. Linguistics—open to grads of the Univ. and to those who have reached a similar standard. Phonetics—open to grads. of the

Univ. and to those who have reached a similar standard. Islamic Studies—open to grads. of the Univ. and to those who have reached a similar standard. Public Health, Industrial Medicine (each 1 acad. yr.), Radio-diagnosis (18 mos.), Radiotherapy (2 yrs.), Trop. Med. and Hygiene (6 mos.)—open to grads. in Med. of the Univ. and others holding corresponding degrees or registrable qualifications. Psychiatry—the course is in abeyance at present. New regulations are under consideration. Technical Chemistry (1 yr.)—open to grads. of British or other approved Univs. who have taken a Science degree with Hons. in Chemistry. Social Study (1 yr.)—open to grads. of British or other approved Univs. with certain restrictions as to subjects taken for degree. A Certificate (2 yrs.) is granted to those whose education is equivalent to Univ. Entrance standard. A Health Visitor's Certificate is also granted (6 mos.) to registered nurses, who must hold the Central Midwives' Board certif. or sign an undertaking that they are willing to obtain this. Certificate in Physical Training—open to matriculated students studying for a degree or diploma or engaged in postgraduate research who follow a prescribed course of training. A Sister Tutor's Certificate is granted. Enquiries should be addressed to the Secretary, Royal College of Nursing, Scottish Board, 40 Melville Street, Edinburgh.

POSTGRADUATE TEACHING for Medical graduates is organized by the Edinburgh Postgraduate Board for Medicine. Particulars of courses, etc., may be obtained from the Director of Postgraduate Studies in Medicine, Surgeons' Hall, Nicolson St., Edinburgh, 8. The Postgraduate School of Theology issues a detailed list of courses. Graduates contemplating research should apply to the Deans.

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II.

FEES. Matriculation, 2½ gs. p.a. Inclusive tuition fees for M.A., Ord., 57 gs., Hons., 76 gs.; LL.B., 54 gs.; B.L., 42 gs.; B.Sc. Engin., 114 gs.; Agr., Ord., 114 gs., Hons., 152 gs.; Mining, 129 gs.; Forestry, 129 gs.; Technical Chemistry, 127 gs.; Pure Sci., Ord., 114 gs., Hons., 152 gs.; B.D., 51 gs.; M.B., Ch.B., approx. 225 gs.; B.V.M.S., £240; B.D.S., £240. Combined M.A. and B.Sc. in Pure Sci., 150 gs.; M.A. and B.Sc. in Agr. or Engin. or For., 145 gs.; M.A. and B.Com. or LL.B., 90 gs.; M.A. and B.L., 80 gs.; B.Sc. in Agr. and in For., 170 gs. Examination: M.A., 11½ gs.; B.D. 11½ gs.; LL.B., 13 gs.; B.L., 11½ gs.; Mus.Bac., 19 gs.; Mus.Doc., 15 gs.; Ph.D., 15 gs.; B.Sc., 13 gs.; D.Sc., 15 gs.; M.B., 37 gs.; M.D., 20 gs.; Ch.M., 20 gs.

HALLS OF RESIDENCE, ETC. (For Wardens *see* "Administrative and other Staff," p. 609.) For men: Cowan House, George Square, accommodation for about 100 students, terms, £29 to £34 per term; Norway House, 37 Inverleith Place, accommodation for 26 students, terms, £3 : 9s. to £3 : 15s. per week; Salisbury Green, Dalkeith Road, accommodation for 43 students, terms, £2 : 5s. per week; University residence for Midwifery Students, Chalmers Street, terms, £2 : 15s. to £3 per week. For women: five hostels at Craigmillar Park, East Suffolk Road, £75 for the three terms; Masson Hall, 31 and 32 George Square and Annexes; Muir Hall, 12 George Square, £90 for the three terms; St. Leonard's House, Park Road, accommodation for about 43 students, terms, £2 : 5s. per week. The University Settlement has study-bedrooms for 10 students (5 men and 5 women) at Cameron House, Prestonfield, terms, £2 : 5s. per week. Six months' notice generally necessary.

There is a Franco-Scottish Society for advising and assisting French students in Scotland and Scottish students in France. It has local centres at Glas., Aberd. and Dundee.

EDINBURGH UNIV. CLUB OF LONDON. Secretary: Dr. Bruce Williamson, 40 Queen Anne Street, W.1.

APPOINTMENTS COMMITTEE. Secretary, A. G. Acaster, M.A., 44 George Sq. (*Telephone*: 46207). The Cttee. includes reps. from the Univ., industry, commerce and industrial liaison organizations. Between six and seven hundred students are assisted each yr. to find suitable employment.

UNIV. EXTENSION, ETC. There is an Adult Education Committee which arranges courses of lectures in the south-east of Scotland. The Univ. is now represented on the Advisory Committees for the management of the Tutorial Classes for adults instituted by the Edin. Educational Authority, in co-operation with the Edinburgh W.E.A. Summer Classes (4 weeks) for Teachers are held during vacation, the lecturers being drawn mainly from the Univ. staff. Certificates gained at the courses qualify for endorsement on teachers' certificates.

EXTRA-MURAL WORK. Classes conducted by the Edinburgh Workers' Educational Association meet in the University Buildings. A University Extra-Mural Committee organizes Courses of Lectures in the south-east area of Scotland.

UNIVERSITY TRAINING CORPS. The University Training Corps is organized in six Sub-units of the following arms: Artillery; Engineers; Electrical Engineers; Signallers; Intelligence; and Infantry. The primary object of the training is to develop leadership qualities in undergraduates whose military service has been deferred. Students are trained for direct commissions in the Regular Army as well as for commissioned rank in the Territorial Army and Reserve. The Contingent is fully equipped with arms and transport. There is also a thriving unit of the Women's Royal Army Corps with a similar object of enabling graduates to obtain commissions.

UNIVERSITY HEALTH SERVICE. The University provides facilities for routine medical examinations for each first-year student, and radiological examinations of chest for all students annually. It also provides a consultative and domiciliary medical service with special hospital facilities for the treatment of sick students. This dept. works in the closest liaison with the Student Accommodation and Welfare Office and the Physical Education Department.

UNIVERSITY ATHLETIC FACILITIES. Facilities exist for the playing of most games. All sections of the Athletic Club, of which Shinty is the oldest, are run by student committees. Separate Athletic Clubs for men and women. Up-to-date Dept. of Physical Educn.

UNIVERSITY UNION. Open to all male matriculated students, graduates of the Univ., members of Senatus and Court, and members of staff. Debating hall, dining room, library, reading and writing room, etc. The UNIVERSITY WOMEN'S UNION, 53 George Sq., provides a dining hall, library, study rooms and temp. overnight accomm.

UNIVERSITY COMMON ROOMS. The Jr. Common Rm., Old College, provides a convenient meeting place and snack-bar service for undergrads. The King's Buildings Common Rm. provides club and recreation facilities, incl. gymnasium, badminton and squash courts.

OFFICIAL PUBLICATIONS. *Calendar* (Sept.), 12s. 6d.; *Gazette*; *Prelim. and Degree Examn. Papers* (May and July), 5d. to 2s. a set (James Thin, 55 South Bridge). *Students' Handbook* issued by the Students' Representative Council. *Facilities for advanced Study and Research* free, on application.

HISTORIES OF THE UNIV. (all o.p.): A. Bower, chiefly compiled from original papers and records never before published, 3 vols., Edin., 1817–30;

A. Dalzel (ed. by D. Laing), with a Memoir of the Author (by C. Innes), 2 vols., Edin., 1862 ; Sir Alexr. Grant, the *Story of the Univ. during its first 300 years*, 2 vols., London, 1884 ; by various contributors, edited by Turner, A. Logan, 1883–1933, Edin., 1933. *General Council Register*, from 1952 (Thin, 1952, 10s.).

UNIVERSITY PRESS. The University Press was instituted by the Univ. Court in 1945 and is administered by a combined Committee of Court and Senatus which control the general policy and select MSS. for publication. Its main object, rendered possible by bequests applied for the purpose, is the publication, in the best traditions of Scottish typography and book-production, of works of academic merit which cannot be produced on a commercial basis owing to their restricted appeal and may incur a loss ; but the Committee are prepared to publish works of wider appeal, though still of literary merit, which will help to offset any such loss. Books published are advertised and sold by Messrs. Thomas Nelson and Sons, Ltd., the sole agent for the Press.

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. Rockefeller Foundation, up to £25,000 (£5000 p.a.) for development of General Practice Teaching Unit, £2500 for res. in Cytol. ; Sir Donald Pollock 1936 Trust, £20,000 for provision of playing fields at Peffermill ; Nuffield Foundation, £3200 over 4 yrs. for res. by Dr. P. H. Tuft ; Anglo-Iranian Oil Co., £500 for res. in Dept. of Chem.

HONORARY DEGREES. *D.D.*—Rev. D. Cairns, Prof. of Practical Theol., Christ's Coll., Aberd. ; Rev. J. Lamb, H.M.'s Domestic Chaplain in Scotland ; E. Schlink, Prof. Ordinarius in Fac. of Theol., Univ. of Heidel. ; Rev. O. S. Tomkins, Warden, Lincoln Theol. Coll. *LL.D.*—Hon. Lord Carmont, Senator of Coll. of Justice ; Dr. Mary L. Cartwright, Mistress of Girton Coll., Camb. ; Joyce Carey, author ; Dr. H. W. Garrod, Fellow of Merton Coll., Oxon. ; Dr. C. McNeil, Prof. Emer. of Child Life and Health in Univ. of Edin. ; Dr. S. L. A. Manuwa, Inspector-General of Med. Services, Nigeria ; Sir Richard Snedden, General Manager of Shipping Fed. and member of governing body of Internat. Labour Organization ; Sir Geoffrey Taylor, Yarrow Res. Prof. of the Royal Society. *M.A.*—W. M. Parker, author.

STUDENT NUMBERS.*

	Ordinary	*Termly*
Men	3882	435
Women	1456	77
Total	5338	512

Students (full-time) from other countries, 561. (Countries from which largest numbers came : U.S.A., 102 ; India, 84 ; Union of South Africa, 30 ; Canada, 25 ; Egypt, 19 ; New Zealand, 18 ; Poland, 17.)

DEGREES (1951–52). B.D., 12 (m.), 1 (w.) ; LL.B., 38 (m.), 1 (w.) ; B.L., 19 (m.), 5 (w.) ; M.B., Ch.B., 150 (m.), 40 (w.) ; M.A. (Ord.), 122 (m.), 144 (w.) ; M.A. (Hons.), 122 (m.), 52 (w.) ; B.Com., 23 (m.), 7 (w.) ; B.Sc. Pure (Ord.), 55 (m.), 21 (w.) ; (Hons.), 49 (m.), 9 (w.) ; B.Sc. Engin. (Ord.), 27 (m.) ; (Hons.), 17 (m.) ; B.Sc. Mining (Ord.), 1 (m.) ; (Hons.), 6 (m.) ; B.Sc. Agric.

* These figures relate to *matriculated* students only. In addition, 34 non-matriculated students were admitted to certain classes.

(Ord.), 12 (m.), 2 (w.); (Hons.), 4 (m.); B.Sc. Forestry, 16 (m.); B.Sc. Vet. Sc., 17 (m.), 3 (w.); B.Sc.Tech. Chem. (Ord.), 2 (m.); (Hons.), 7 (m.); Mus.Bac., 4 (m.), 3 (w.); D.Litt., 1 (m.); D.Sc. Pure, 2 (m.); D.Sc. Vet. Sc., 1 (m.); Mus.Doc., 1 (m.); M.D., 13 (m.), 2 (w.); Ph.D. Div., 26 (m.); Ph.D. Law, 1 (m.); Ph.D. Med., 6 (m.), 1 (w.); Ph.D. Arts, 17 (m.), 2 (w.); Ph.D. Sci., 30 (m.), 7 (w.); B.Ed., 5 (m.), 1 (w.).

Diplomas (1951–52). Sister Tutor's Cert., 5 (m.), 29 (w.); Cert. in Med. Illustration, 1 (w.); Dip. in Actuarial Maths., 2 (m.); Cert. in Social Study, 2 (m.), 28 (w.); Cert. in Psychiatric Social Work, 3 (m.), 7 (w.); Cert. in Pub. Admin., 3 (m.), 1 (w.); Cert. in Physical Proficiency, 26 (m.), 10 (w.); Dip. in Admin. Law and Practice, 2 (m.); Dip. in Public Health, 14 (m.), 3 (w.); Dip. in Trop. Med. and Hyg., 8 (m.); Dip. in Med. Radio-diagnosis, 3 (m.); Dip. in Med. Radiotherapy, 1 (m.); Dip. in Psychiatry, 1 (m.), 1 (w.); Dip. in Educn., 49 (m.), 39 (w.); Dip. in English Studies, 1 (m.), 1 (w.); Dip. in Social Study, 3 (m.), 6 (w.); Dip. in Phonetics, 2 (m.); Dip. in Animal Genetics, 7 (m.); Dip. in Electronics and Radio, 6 (m.); Dip. in Geophysical Surveying, 1 (m.); Dip. in Rural Sc., 6 (m.); Dip. in Tech. Chem., 1 (m.).

[*Information compiled as at* 17/6/54 ;
Staff list revised on 30/9/54.]

UNIVERSITY OF GLASGOW*

Founded 1451

Postal Address : Glasgow, W.2, Scotland.
Telephone: Glasgow, Kelvin 2231.

CHANCELLOR—The Rt. Hon. LORD BOYD ORR OF BRECHIN, D.S.O., M.C., M.A., M.D., D.Sc., LL.D., F.R.S.

VICE-CHANCELLOR AND PRINCIPAL—Sir HECTOR HETHERINGTON, K.B.E., D.L., LL.D. Glas., Liv., St. And., Prin., Camb., Sheff., Wales, Lond., Edin., Belf., D.Litt. McG., D. ès L. Laval, M.A.

RECTOR—T. J. HONEYMAN, J.P., M.B., F.R.F.P.S. Glas.

DEAN OF FACULTIES—Emeritus Professor W. B. STEVENSON, M.A., D.Litt. Edin., D.D. Edin. and Wales, LL.D.

SECRETARY OF THE UNIV. COURT AND REGISTRAR—R. T. HUTCHESON, J.P., M.A., Ph.D.

CLERK OF SENATE—Professor C. J. FORDYCE, M.A. Glas. and Oxon.

LIBRARIAN AND KEEPER OF HUNTERIAN BOOKS AND MSS.—R. O. MACKENNA, M.A.

CLERK OF THE GENERAL COUNCIL—T. R. MACNAUGHTAN, M.A., LL.B.

TEACHING STAFF

Accountancy

Browning, R., M.A., LL.B. Prof.
Paton, A. D. Lectr.
Flint, D., M.A., B.L. Asst.
Begg, H. M., M.A. Asst.
McCubbin, T. M. Tutor.
MacLaurin, A. D., B.L. Tutor.
Willoughby, G. Tutor.

African Studies

Price, T., M.A., Ed.B. Lectr.

Agriculture (v. also p. 631)

Hendrie, D. S., B.Sc. (Agr.) Prof.

Anatomy

Wyburn, G. M., M.B., D.Sc. Reg. Prof.
Bacsich, P., M.D. Szeged, D.Sc. (Embryol.) Reader.
Scothorne, R. J., B.Sc., M.B. Leeds Sr. Lectr.

Lecturers

Young, A., M.A. Camb., M.B.
Mitchell, R., M.A., M.B.
Warbrick, J. G., M.B. Liv.
Hutchison, J., M.B. Hon. Lectr.

Assistants

Livingston, R. M., M.B.
Craigmyle, M. B. L., M.B.
Brodie, W., M.B.
Davidson, C. M., M.B.
Gibson, J. A., M.B.
Walker, F. C., M.B.
Dick, D. A. T., M.B.
Brown, W. C., M.B.
Hally, A. D., M.B.
Frame, J., M.B.
Farrington, I. E., M.B.

Medical Artist

Henning, Dorothy V., B.A., M.Sc. Dub.

* Member of the Association of Universities of the British Commonwealth.

Ancient History

Burn, A. R., M.A. Oxon. Sr. Lectr.

Arabic

Bishop, Rev. E. F. F., M.A. Camb. Sr. Lectr.

Trimingham, J. S., M.A. (Islamic) Lectr.

Astronomy

Smart, W. M., M.A. Glas. and Camb., D.Sc., F.R.A.S. Reg. Prof.

Lecturers

Tannahill, T. R., M.A., B.Sc., Ph.D.

Ovenden, M. W., M.A. Camb.

Biblical Studies

Craig, Rev. A. C., M.C., M.A., D.D. Edin. Lectr.

Assistant

Gourlay, Rev. D., M.A., B.D.

Biochemistry

Davidson, J. N., M.D., D.Sc. Edin. (Physiol. Chem.) Gardiner Prof.

Senior Lecturers

Munro, H. N., B.Sc., M.B.

Mills, G. T., B.Sc., Ph.D. Liv.

Lecturers

Smith, J. A. B., D.Sc. Lond., Ph.D. Birm. Hon. Lectr.

Hutchison, W. C., B.Sc., Ph.D. Edin.

Leaf, G., M.Sc., Ph.D. Manc.

Dawes, E. A., B.Sc., Ph.D. Leeds.

Frazer, S. C., B.Sc., M.B.

Smellie, R. M. S., B.Sc. St. And., Ph.D.

Paul, J., M.B., Ph.D. (Temp.).

Assistants

McIndoe, W. M., B.Sc.

Holms, W. H., B.Sc. St. And.

.....

Thomson, R. Y., B.Sc.

Douglas, T. A.

Logan, R.

Botany

Walton, J., M.A., Sc.D. Camb., D.Sc. Manc., LL.D. McM. Reg. Prof.

Senior Lecturers

Williams, S., D.Sc. Manc., Ph.D.

Bond, G., Ph.D., D.Sc.

Lecturers

Case, Isobel M., M.A., B.Sc., Ph.D.

Hutchinson, S. A., B.Sc., Ph.D. Brist.

Conway, Elsie, B.Sc., Ph.D. Liv.

Crundwell, A. C., B.A. Oxon.

Spence, D. H. N., B.Sc. Edin.

Ribbons, B. W., B.Sc. Lond.

Berrie, A. M. M., B.Sc., Ph.D.

Celtic

Matheson, A., M.A. Edin. Sr. Lectr.

Thomson, D. S., B.A. Camb., M.A. Aberd. Lectr.

Chemistry, v. also Biochem.

..... Reg. Prof.

Robertson, J. M., M.A., Ph.D., D.Sc., F.R.S. Gardiner Prof.

Senior Lecturers

Bell, J., Ph.D., D.Sc., F.R.I.C. Asst. Dir. of Chem. Labs.

Tucker, S. H., M.A. Oxon., D.Sc., Ph.D. Lond., F.R.I.C. (Org. Chem.).

Gibson, D. T., M.Sc. Belf., Ph.D. Lond., D.Sc. (Med. Students).

Mitchell, S. T. R. S., D.Sc., Ph.D. (Phys. Chem.).

Speakman, J. C., M.Sc., Ph.D. Sheff.

Loudon, J. D., Ph.D., D.Sc.

Moon, F. E., M.Sc., Ph.D. (Agric. Chem.).

Lecturers

Mair, J. A., B.Sc., Ph.D. (Anal. Chem.).

Chisholm, D., B.Sc., Ph.D.

Dawson, I. M., B.Sc., Ph.D.
McCulloch, W. P., B.Sc.
Goodwin, T. H., B.Sc., Ph.D. Birm.
Lewin, Christina T., B.Sc.
Gunstone, F. D., B.Sc., Ph.D. Liv.
Reed, R. I., B.Sc., Ph.D. Lond.
Buchanan, C., B.Sc., Ph.D.
Brand, J. C. D., M.Sc., Ph.D. Lond.
Kent, A., M.A., B.Sc., Ph.D.
Storrie, F. R., B.Sc., Ph.D.
Robertson, J., B.Sc.
M'Alpine, Irene M., B.Sc., Ph.D.
Thomson, G., B.Sc., Ph.D.
Payne, D. S., B.Sc. Lond., Ph.D. Camb.
Buchanan, G. L., B.Sc.
Clar, E., Dr. Ing. Dresden.
Hemingway, R. G., B.Sc. Leeds.
Nancollas, G. H., B.Sc., Ph.D. Wales.
Eglinton, G., B.Sc., Ph.D.
Forbes, E. J., M.A., B.Sc. Oxon.
Jeffreys, J. A. D., B.A. Oxon.

Assistants

Brown, Christine M., B.Sc.
Boyd, Charlotte A., B.Sc.
Macintyre, W. M., B.Sc.
Thornley, Margaret B., B.Sc.
Watson, D. H., B.Sc.

Chemistry, Metallurgical

Hay, R., B.Sc., Ph.D. Lectr.

Classics : Greek

Gomme, A. W., M.A. Camb., F.B.A. Prof.

Lecturers

Carnegie, J., M.A. Aberd. and Camb.
Chalk, H. H. O., M.A. Oxon.
Wasserstein, A., B.A., Ph.D. Lond.

Classics : Latin

Fordyce, C. J., M.A. Glas. and Oxon. (Humanity) Prof.

Lecturers

Way, J. A. H., M.A. Oxon.
McGlynn, P., M.A., D.Litt.
Dilke, O. A. W., M.A. Camb.
Treloar, A., M.A. Melb., B.A. Oxon.
Knott, Betty I., M.A. Lond.

Assistants

MacQueen, Mrs. Winifred W., B.A. Camb., M.A.
Kinsey, T. E., B.A. Oxon.
Adkins, A. W. H., B.A. Oxon.

Constitutional History

Brown, A. L., M.A. Temp. Lectr.

Dentistry, v. Medicine, *infra*

Divinity, v. also Hebrew

Riddell, Rev. J. G., M.A., D.D. Edin. Primarius Prof.
Macgregor, Rev. G. H. C., M.A., B.D. Camb., D.D. Edin., D.Litt. (Bib. Crit.) Prof.
Foster, Rev. J., M.A. Birm., D.D. Aberd. (Church Hist.) Prof.
Henderson, Rev. I., M.A., D.D. Edin. (Systematic Theol.) Prof.
Barclay, Rev. W., M.A., B.D. (New Testament) Lectr.
Mechie, Rev. S., M.A. (Church Hist.) Lectr.
Macquarrie, Rev. J., M.A., B.D. (Systematic Theol.) Lectr.

Economics, v. Pol. Econ. and Soc. & Econ. Res.

Education

Nisbet, S. D., M.A., B.Ed. Edin. Prof.
Richmond, W. K., M.A., M.Ed. Durh. Lectr.

Embryology, v. Anat.

Engineering, v. *infra*

English Language and Literature

Alexander, P., M.A., F.B.A. Reg. Prof.
Davis, N., M.B.E., M.A. Oxon. and N.Z. (Engl. Lang.) Prof.

Purser, J. W. R., B.A. Dub. Sr. Lectr.

Lecturers

Livingstone, T. C., M.A.
Bryce, J. C., M.A.
Arnott, J. F., B.Litt. Oxon., M.A.
Buchan, Hannah A., B.Litt. Oxon., M.A.
Farish, J., M.A.
Morgan, E. G., M.A.
Rillie, J. A. M., M.A.
Blakeley, L., M.A. Birm., Ph.D.
Salter, C. H., M.A. Oxon.
Drew, K. P. A., B.A. Oxon.
Harlow, C. G., B.A. Oxon.

Assistants

Honigmann, E. A. J., B.Litt. Oxon., M.A.
Davies, Sarah, M.A. Wales, Ph.D. Lond. Pt.-time Asst.

French

Boase, A. M., M.A. Oxon., Ph.D. Camb. Prof.
Anderson, N. C., L. ès L. Nancy, M.A. Sr. Lectr.
Scarfe, F. H., M.Litt. Camb., M.A. Durh. Sr. Lectr.

Lecturers

Haggis, D. R., B.A., Ph.D. Lond.
Classe, A., L. ès L. Paris, D.Litt.
Jones, S., M.A. Wales, Ph.D. Camb.
Carr, J. L., B.A. Leeds, L. ès L. Paris.
Krailsheimer, A. J., M.A. Oxon., Ph.D.
Saunders, H. R., M.A.
Barbier, C. P., B.A. Leeds.
Whitaker, S. F., B.A. Oxon.
Leakey, F. W., B.A., Ph.D.

Assistants

Sutherland, G. M., D. de l'U. Paris.
Jackson, A. B., B.A.
Charpentier, A.-A.
Morgan, E. J., B.A. Oxon.

Genetics

Pontecorvo, G., Dr.Agr. Pisa, Ph.D. Edin. Reader.

Lecturer

Roper, J. A., B.Sc., Ph.D. Sheff.

Assistants

Acton, A. B., M.A. Oxon.
Sharpe, H. S., B.Sc. Birm.

Geography

Miller, R., M.A., Ph.D. Edin. Prof.
Fairhurst, H., M.A. Liv., Ph.D. Sr. Lectr.

Lecturers

Halstead, C. A., B.Sc. Lond.
Hinchliffe, O., B.A. Leeds.
Moisley, H. A., M.Sc. Leeds.
Common, R., B.Sc. Durh., Ph.D. Edin.
Jelly, J. S. O., M.A. Camb.

Assistants

Hogg, A. A. M., M.A.
Soons, Jane M., M.A.

Geology

George, T. N., D.Sc. Wales, Ph.D. Camb. Prof.

Senior Lecturers

Weir, J., M.A., Ph.D., D.Sc.
King, B. C., Ph.D. Lond., D.Sc.

Lecturers

Currie, Ethel D., Ph.D., D.Sc.
Holgate, N., M.Sc., Ph.D. Manc.
Williams, A., B.Sc., Ph.D. Wales.
Boyd, D. M., B.Sc.
Cummings, R. H., B.Sc., Ph.D.
Bassett, D. A., B.Sc.
Tremlett, W. E., B.Sc. Lond.

Hon. Research Fellow

Tyrrell, G. W., Ph.D., D.Sc.

Assistants

Latham, Mary H., M.A.
Bloxam, T. W., B.Sc. Edin.
Walton, E. K., B.Sc. Durh.
Pantin, H., B.Sc.

German

Chambers, W. W., M.B.E., Ph.D. Munich, L. ès L. Paris and Lille, M.A. William Jacks Prof.

Lecturers

Betteridge, H. T., M.A. Birm., Ph.D. Lond.
Guder, G., Ph.D. Edin.
Rodger, Gillian B. B., M.A., Ph.D.
Gardner, W. R. W., M.A.

Assistants

Willox, Winifred M., M.A. Edin.
Iser, W.

Hebrew and Semitic Langs.

Mullo Weir, Rev. C. J., M.A., B.D. Edin., D.Phil. Oxon. Prof.
Mauchline, Rev. J., D.D. Edin., M.A. (O.T. Lang. and Lit.) Prof.
M'Kane, Rev. W., B.D. Asst.

History, v. also Div., Law, Pol. Econ.

Browning, A., M.A. Glas. and Oxon., D.Litt. Prof.
Mackie, J. D., C.B.E., M.C., M.A. Oxon., LL.D. St. And. (Scottish H.) Prof.
Pryde, G. S., M.A., Ph.D. St. And. (Scottish H.) Reader.

Senior Lecturers

Stones, E. L. G., M.A. Glas. and Oxon., Ph.D.
Mosse, W. E. E., M.A., Ph.D. Camb.
Wright, E., B.A. Durh., M.A. Virginia.

Lecturers

Corlett, J. F. R., B.A. Liv.
James, R. I., M.A. Oxon.
Chandaman, C. D., B.A. Lond.
Tumelty, J. J., B.A. Durh.
.....

Assistants

Ramsey, P. H., B.A. Oxon.
.....
Parsons, F. V., B.A. Lond.
Scott, Ella J. W., M.A.
Stevenson, Anne H., M.A.
Holmes, G. S., M.A., B.Litt. Oxon.

History of Fine Art

Young, A. M. Lectr.
Miles, H., M.A. Asst.

History of Scots Law

Paton, G. C. H., M.A., LL.B. Lectr.
Smith, J. I., LL.B. Asst.

Humanity, v. Classics

Italian

Meiklejohn, M. F. M., M.A. Oxon. Stevenson Prof.
MacKinven, A. D., M.A. Lectr.

Assistants

Mitchell, Mrs. Miranda.
Horne, P. R., B.A.

Law, v. *infra*

Logic and Rhetoric

Campbell, C. A., D.Lit. Belf., M.A. Prof.

Senior Lecturer

Brown, G., T.D., M.A. Edin.

Lecturers

Levett, Margaret J., M.A. Oxon.
Hirst, R. J., M.A. Oxon.
Russell, J. J., M.A.
Toms, E., B.Sc. Lond., B.A., B.Phil. Oxon.
Leclerc, I., B.A. S.A., M.A. Cape T., Ph.D. Lond.

Assistant

.....

Mathematics

Rankin, R. A., M.A., Ph.D. Camb. Prof.

Senior Lecturers
Arthur, W., M.C., M.A. (Engin. Students).
Robb, R. A., M.S. Mich., M.A., D.Sc., F.R.A.S.
Gillespie, R. P., Ph.D. Camb., M.A., B.Sc.
Graham, T. S., Ph.D. Camb., M.A.

Lecturers
Martin, D., M.A., B.Sc., Ph.D.
McHarg, Elizabeth A., Ph.D. Camb., M.A.
Silvey, S. D., M.A.
Donaldson, W. A., B.A. Camb., M.A.
Hunter, J., B.A. Camb., M.A.
Robertson, A. P., B.A. Camb., M.A.
Fairbairn, W. M., M.A.
Geddes, A., B.A. Camb., B.Sc.

Assistants
Robertson, A. D., M.A.
Dixon, Mrs. Elizabeth, B.Sc.
Garven, Mary S., B.Sc.
Geddes, Winifred E., M.A.

Medicine and Surgery, v. *infra*

Metallurgy, etc., v. *infra*, Royal Tech. Coll., p. 639

Mining
Hibberd, G., Ph.D. Dixon Prof.

Music
..... Gardiner Prof.

Lecturers
Rimmer, F. W., Mus.Bac. Durh., B.A. Camb. Cramb Lectr.
Loughlin, G. F., D.Mus.
Deane, B., B.A., B.Mus. Belf.

Naval Archit., including Marine Engin., v. also *infra*, Royal Tech. Coll., p. 639
Robb, A. M., D.Sc. John Elder Prof.
Livingstone, M. Lectr.

Norse Studies
Rogers, A. L., B.A. Oxon. Lectr.

Philology, Romance
..... Lectr.
Holland, M. C. J., B.A. Lond. Asst.

Philosophy, Moral, v. also Logic and Psychol.
Maclagan, W. G., M.A. Oxon., Ph.D. Edin. Prof.

Senior Lecturers
Phillips, I. W., M.A.
Raphael, D. D., M.A., D.Phil. Oxon.

Lecturers
Cassirer, H. W., Ph.D. Heidel.
Dickie, J. S., M.A., B.Sc.
Dawson, J. G., B.A. Oxon., Ph.L., S.T.B. Rome.
Leclerc, I., B.A. S.A., M.A. Cape T., Ph.D. Lond.
Lamont, W. D., D.Phil. Oxon., M.A.

Philosophy, Natural
Dee, P. I., C.B.E., M.A. Camb., F.I.P., F.R.S. Prof.
Gunn, J. C., M.A. Glas. and Camb. Cargill Prof.

Senior Lecturers
M'Farlane, W., M.A., D.Sc., F.I.P.
Curran, S. C., Ph.D. Glas. and Camb., M.A., D.Sc., F.R.S.
Atkinson, J. R., M.A. Camb.

Lecturers
Cochrane, C., M.A., B.Sc.
Rhoderick, E. H., M.A. Oxon., Ph.D. Camb.
Lewis, G. M., M.Sc. Lond.
McNeill, J., M.A.
Reid, J. M., M.A.
Giles, R., B.Sc. (on leave).
Grant, P. J., M.A., Ph.D. Camb.
Muirhead, W. R. H. F., B.Sc. Brist.

Wyllie, G. A. P., Ph.D. Brist., B.Sc.
Burton, W. K., M.Sc.Tech. Manc., Ph.D. Brist.
Moorhouse, R. G., M.A., Ph.D.
Bellamy, E. H., M.A. Camb.
Cockroft, A. L., M.A. Camb.
Rutherglen, J. G., B.Sc. Lond., Ph.D.
McNeill, K. G., M.A., D.Phil. Oxon.
Guggenheimer, K. M., Dr.Phil.
Hutchinson, G. W., M.A., Ph.D.
Wilson, H. W., B.Sc.

Assistants

Dixon, D., B.Sc.
Brown, G., B.Sc.
M'Clements, Margaret B., B.Sc.
Morrison, G., B.Sc.

Physiology

Garry, R. C., M.B., D.Sc., F.R.C.P. Reg. Prof.
Wishart, G. M., M.D., B.Sc., F.R.F.P.S.Glas. (Appl. P.) Prof.

Reader

Garven, H. S. D., B.Sc., M.D.

Senior Lecturers

Weir, J. B. de V., M.A., B.Sc., M.B.
Sloan, A. W., B.Sc., M.B.

Lecturers

Roberts, T. D. M., B.Sc. Lond., Ph.D. Edin.
Morrison, S. D., B.Sc. St. And.
Ferguson, I. D., M.B.
Durnin, J. V. G. A., M.A., M.B. Aberd.
Hale, A. J., M.B.
Stewart, Group Capt. W. K., A.F.C., B.Sc., M.B. (Aviation P.). Hon. Lectr.

Assistants

Gairns, F. W.
Cumming, Mary C., B.Sc., M.B.
McNaught, Ann B., M.B.
Gillespie, J. G.

Political Economy

Macfie, A. L., LL.B., D.Litt. Adam Smith Prof.

Senior Lecturer

Campbell, A. D., M.A.

Lecturers

Buyers, J. A., M.A. (Econ. Hist.).
. . . . . .
Meek, R. L., LL.M. N.Z., Ph.D. Camb.
Orr, Mrs. Sarah C., M.A.
Sleeman, J. F., M.A. St. And. and Manc.
Houston, G. F. B., M.A. Edin.
Robertson, D. J., M.A.
Gaskin, M., D.F.C., B.A. Liv.

Assistants

Wright, A. L., M.A., B.Com.
. . . . . .

Political Science

Lecturers

Warrender, J. H., M.A. Oxon.
Stevenson, H. N. C., O.B.E., B.Litt. Oxon. (Soc. Anthrop.).
Moodie, G. C., M.A.

Assistant

Marshall, G., M.A.

Psychology

Pickford, R. W., M.A., Ph.D. Camb., D.Litt. Sr. Lectr.

Lecturers

Gardner, P. A. D., M.A., B.Sc., Ed.B., LL.B.
Barbu, Z., Ph.D. Cluj.

Assistants

Weir, A. J., M.A. (on leave).
McIntyre, Sarah S., M.A., Ph.D., B.Ed. Edin.
McKennell, A. C., M.A. Manc. (Temp.).

Psychology, Industrial

Oakley, C. A., B.Sc., Ed.B. Lectr.

Russian

Holttum, V. E. J., B.A. Lond. Sr. Lectr.

Borras, F. M., B.A. Oxon. Lectr.

Assistants
Birkett, Natalia Y.
Caird, Shiena N.

Scottish Literature
Scott, A. M., M.C., M.A. Aberd. Lectr.

Slavonic and Eastern European Languages

Lecturers
Soukup, L., Th.B. Prague, Ph.D. Edin. (Czechoslovakian).
Westfal, S. S., M.A. Warsaw, Ph.D. (Polish).

Social and Economic Institutions, Soviet

Lecturers
Miller, J., M.A. Sheff.
Schlesinger, R. J. A., Dr. rer. pol. Vienna, Ph.D. Lond.

Assistants
Gottlieb, W. W., Dr. jur. Riga.
Meek, Mrs. Dorothea L., B.A. Oxon.

Social and Economic Research
Cairncross, A. K., C.M.G., Ph.D. Camb., M.A. (Appl. Econ.) Prof.

Lecturers
Leser, C. E. V., D.Phil. Zür., M.Sc. Lond.
Paterson, T. T., B.Sc. Edin., M.A., Ph.D. Camb.
Baird, R., M.A., LL.B.
Highet, J., D.Phil. Oxon., M.A.
Parkinson, J. R., B.Com.

Assistants
Weber, B., B.Sc. Lond.
Kahn, Hilda R., B.Sc. Lond.

Social Study
Phillips, I. W., M.A. Dir.
Cleveland, Agnes R., B.A. Lond. Tutor.

Spanish
Atkinson, W. C., M.A. Belf. Stevenson Prof.
M'Clelland, Ivy L., M.A. Liv. Sr. Lectr.
Metford, J. C. J., M.A. Liv. Lectr.
Pérez, J. B., Ph.D. Asst.

Statistics
Robb, R. A., M.A., D.Sc. Mitchell Lectr.

Theology, v. Divinity

Veterinary Medicine, v. *infra*

Zoology
Yonge, C. M., C.B.E., Ph.D., D.Sc. Edin., F.R.S. Reg. Prof.

Senior Lecturers
Slack, H. D., B.Sc. Lond., Ph.D. Edin.
Robertson, J. D., Ph.D. Camb., B.Sc.

Lecturers
Miller, Agnes E., M.A.
Crowson, R. A., B.Sc. Lond.
Steedman, H. F., B.Sc., Ph.D. Brist.
Barnett, S. A., M.A. Oxon.
Hill, A. R., B.Sc., Ph.D. St. And. (Agric.).
Hopkins, C. A., B.Sc. Leeds, Ph.D. Dub. (Vet.).
Hunter, W. R., B.Sc.
Hoyle, G., B.Sc. Lond.
Smith, I. C., B.Sc. R'dg.
Owen, G., B.Sc. Wales.
Lawson, J. W. H., B.Sc., Ph.D.
Fraser, A., B.Sc.

Assistants
Manly, Brenda M., B.Sc.
Wood, D. W., B.Sc.
Hamilton, J. D., B.Sc.
Fortune, Pamela Y., B.Sc., Ph.D.
Becker, P., B.Sc.
Boyd, J. M., B.Sc.
Beedham, G. E., B.Sc. Hull.
Allen, Pamela, B.Sc. Belf.

Engineering

v. also Naval Archit., Mining

Engineering, Aeronautical

Duncan, W. J., C.B.E., D.Sc. Lond., F.R.S. Mechan Prof.

Lecturers

Thom, A. S., B.Sc., Ph.D.
Babister, A. W., M.A. Oxon.
Cain, T. H., B.Sc. Lond.

Engineering, Civil

Marshall, W. T., B.Sc., Ph.D. Lond. Reg. Prof.

Senior Lecturer

Sutherland, H. B., S.M. Harv.

Lecturers

Gibson, J. E., M.Sc., Ph.D. Durh.
Garven, A. B., B.Sc.

Assistants

Hughes, J., B.Sc.
Jenkins, W. M., B.Sc.

Engineering, Electrical

Hague, B., D.Sc. Lond., Ph.D. James Watt Prof.

Senior Lecturer

Small, A. J., B.Sc., Ph.D.

Lecturers

Gordon, D. S., B.Sc. Edin.
Foord, T. R., B.Sc., Ph.D.
Shankland, J. H., B.Sc.
Thomas, P. A. V., B.Sc.

Engineering, Mechanical

Small, J., D.Sc. Lond., Ph.D. James Watt Prof.

Senior Lecturers

Geyer, E. W., B.Sc., Ph.D.
Keown, J. E., B.Sc., Ph.D.
Orr, J., B.Sc., Ph.D.
Morrison, J. C., B.Sc., Ph.D.

Lecturers

Paling, V. R., B.Sc.
Cameron, E. R., B.Sc.
Bruges, E. A., B.Sc.
Barr, J., B.Sc.
Donaldson, R., M.Sc.Tech. Manc.
Goudie, G. O., B.Sc. Edin.
Corry, J. S., B.Sc. Lond.
Weir, C. D., B.Sc., Ph.D.
Decker, B. E. L., M.Sc.
Mackie, W. W., B.Sc.
Taylor, W. L., B.Sc.
Ross, W., B.Sc.

Assistants

.....
Maccallum, N. R. L., B.Sc.
Woo, D. M., M.Sc.

Engineering Production

Loudon, J. Lectr.

Law

Gibb, A. D., M.B.E., Q.C., LL.B. Reg. Prof.
Baird-Smith, J. H., B.A. Oxon., LL.B. Lectr.
France, K. R., M.B.E., T.D., B.A. Camb., LL.B. Asst.

Administrative Law

Miller, J. B., LL.B. Lectr.

Civil Law

Thomas, J. A. C., M.A., LL.B. Camb. Sr. Lectr.
..... Asst.

Constitutional Law

Murdoch, J. D., T.D., LL.B. Asst.

Conveyancing

McLeish, D. A. S., LL.B. Prof.

Assistants

Aitken, A., LL.B.
Donaldson, A. K., B.L.

Evidence and Procedure

MacDonald, R., B.L. Edin. Lectr.
MacRae, W., LL.B. Asst.

International Law, Public

Neil, J. C., LL.B. Lectr.

Macdonald, Mrs. Isabel L., M.A., B.L. Asst.

International Private Law

Donaldson, A., LL.B. Lectr.
Bain, N. B., B.L. Asst.

Jurisprudence

Walker, D. M., LL.B., Ph.D. Prof.

Mercantile Law

Boyd, J., M.A. St. And., LL.B. Prof.

Assistants

Carruthers, J. D., M.A. St. And., LL.B.
Wright, T. G., M.C., LL.B.

Tutors

Campbell, R. M., LL.B.
Leckie, T. K., B.L.

Medicine

(for subjects of first 2 yrs.—Anat., etc., v. *supra*)

Wishart, Prof. G. M., M.D., B.Sc. Dean.

Anæsthetics

Honorary Lecturers

Tindal, A., M.B.
Pinkerton, H. H., M.B.
Keir-Fisher, D., L.D.S.

Bacteriology

Howie, J. W., M.D. Aberd. Gardiner Prof.

Senior Lecturers

Lominski, I. R. W., M.D. Cracow.
Ives, J. C. J., M.B. Edin.
Kyles, W. B., M.B.

Lecturers

O'Hea, A. J., M.B.
Goudie, J. G., M.B.
Morrison, R. B., B.Sc.
Grist, N. R., B.Sc., M.B. (also Infectious Dis.).
Harper, Elizabeth M., B.Sc.
Tinne, J. E., B.Sc., M.B., D.P.H.
Bruce, L. G., M.B. Hon. Lectr.
Smith, D. D., M.B. (Temp.).
Gentles, J. C., B.Sc.

Assistant

Fairman, Marion, B.Sc.

Dentistry

Aitchison, J., B.Sc., L.D.S. Prof. and Dir.

Lecturers

Gibson, W. M., M.B. St. And., L.D.S.
Ireland, J., L.D.S.
McNeil, C. K., Ph.D., L.D.S.
Masterton, J. B., B.D.S., H.D.D. Durh.
Thomson, J. C., L.D.S.
Drummond, F. A. B., L.D.S.
Findlay, J., L.D.S.
Noble, H. W., L.D.S.
McDougall, J. C., L.D.S.
MacGilvray, D.
Carmichael, A. F., L.D.S.
Nixon, G. S., L.D.S.

Honorary Lecturers

Campbell, J., L.D.S.
Orr, J. A., L.D.S.
White, T. C., L.D.S.

Dermatology

Honorary Lecturers

Sommerville, J., M.B.
Harvey, G., M.B.
Smith, Mary S., M.D.

Ear, Throat and Nose, Diseases of

Honorary Lecturers

Young, G., M.C., M.B.
Young, S., M.B.
Connal, E. A. M., M.B.
Watson, R. J., M.C., M.B.
Strang, A., M.B.
Land, F. T., M.B.

Eye, Diseases of the

Riddell, W. J. B., M.D., F.R.F.P.S. Glas. Tennent Prof.

Honorary Lecturers

Marshall, J., M.C., T.D., M.B.

Steel, Janet F., M.B.
Tennant, J. N., B.Sc. Lond., M.B.
White, J. P., M.B.

Assistant

Wilson, Alison E., M.B., D.P.H.

Forensic Medicine and Medical Jurisprudence

Glaister, J., J.P., D.Sc., M.D., F.R.F.P.S.Glas. Reg. Prof.

Lecturers

Imrie, J. A., M.D., F.R.C.S.Ed.
Rentoul, E., M.B.E., M.B., M.A., LL.B.

Infancy and Childhood, Dis. of

Graham, S. G., M.D. Tor., F.R.F.P.S.Glas., F.R.C.P.Ed. Samson Gemmell Prof.
Wattie, Nora I., M.B. Aberd. Hon. Lectr.
Hutchison, J. H., O.B.E., M.D., F.R.F.P.S.Glas., F.R.C.P. Gow Lectr.
Riley, I. D., B.Sc., M.D. Hon. Lectr.
Arneil, G. C., M.D. Lectr.
Dennison, W. M., M.D. Barclay Lectr.
Laird, A. P., M.B. Hon. Lectr.
Galloway, J. P., B.Sc., M.B. Hon. Lectr.
Giles, Margaret D., M.D. Asst.

Infectious Diseases

Anderson, T., M.D., F.R.F.P.S. Glas. Reader.

Lecturers

Landsman, Joan B., M.B., F.R.F.P.S.Glas.
Grist, N. R., B.Sc., M.B. (also Bacteriol.).

Honorary Lecturers

Lawson, J. H., M.D.
Rankin, A. L. K., M.D.

Materia Medica, v. also Med., Clin.

Alstead, S., M.D. Liv., F.R.C.P. Reg. Prof.
..... Sr. Lectr.

Lecturers

Slessor, A., M.B., F.R.F.P.S.Glas.
Lazarus, S., M.D., F.R.F.P.S.Glas.
Macarthur, J. G., M.C., M.B. Aberd.
Lewis, J. J., M.Sc. Manc.
Fulton, W. F. H., M.B.
Anderson, W. F., M.D. Hon. Lectr.

Assistants

Knox, J., M.B.
Isaacs, B., M.B.
Thomson, T. J., M.B.
Gillis, C. N., B.Sc.

Medical Radiology

Honorary Lecturers

Walker, J. Z., M.B.
Park, S. D. S., M.B.

Medicine

Davis, L. J., M.D. Edin., F.R.C.P. Lond. and Edin., F.R.F.P.S. Glas. Muirhead Prof.
Brown, A., M.D., F.R.F.P.S.Glas., F.R.C.P.Ed. Sr. Lectr.

Lecturers

McGirr, E. M., B.Sc., M.B., F.R.F.P.S.Glas.
Douglas, A. S., B.Sc., M.B.

Assistants

Renfrew, S., B.Sc., M.B.
M'Ewan, V. R. D., M.D.

Medicine, Clinical

Honorary Lecturers

Cruickshank, J. N., M.C., D.Sc., M.D., F.R.F.P.S.Glas., F.R.C.P.
Adams, D. K., M.A., B.Sc., M.D., F.R.F.P.S.Glas., F.R.C.P.
Snodgrass, W. R., M.A., B.Sc., M.D., F.R.F.P.S.Glas.

Smith, D., M.D., F.R.F.P.S.Glas.
Glen, A., M.C., M.D.
Scott, A. M., M.D.
Oastler, E. G., T.D., M.A. Oxon., M.B., F.R.F.P.S.Glas., F.R.C.P.
Macfarlane, J. W., M.C., M.D., F.R.F.P.S.Glas.
Wright, J. H., M.D., F.R.F.P.S. Glas.
McCluskie, J. A. W., M.B., F.R.F.P.S.Glas.
Rennie, J. B., M.D., F.R.F.P.S. Glas.
Scott, L. D. W., M.D., F.R.F.P.S. Glas.
Graham, J. G., M.D.

Medicine, Practice of

Wayne, E. J., M.Sc., M.D., Ph.D. Leeds, F.R.C.P. Reg. Prof.
Richards, R. L., M.D. Aberd. Sr. Lectr.

Lecturers

Simpson, J. A., M.B. (on leave).
Reid, J., M.D. (Part-time).
McPherson, Joan, M.B. (Temp.).

Honorary Lecturer

Gaylor, J. B., M.A., B.Sc., M.B., F.R.F.P.S.Glas.

Assistant

Fraser, T. N., M.D., F.R.F.P.S. Glas.

Obstetrics and Gynæcology

Anderson, D. F., M.D., F.R.F.P.S.Glas., F.R.C.O.G. Muirhead Prof.
Donald, I., M.B.E., B.A. Cape T., M.D. Lond. (Midwifery) Reg. Prof.

Lecturers

Hewitt, J., M.B., F.R.F.P.S.Glas., F.R.C.O.G. (Clin. G.).
Macaskill, Sarah, M.B. Lectr.

Honorary Lecturers

McLennan, H. R., M.D., F.R.F.P.S.Glas., F.R.C.O.G.
Clement, W., M.B., F.R.F.P.S. Glas., F.R.C.O.G. (Clin. G.).
M'Intyre, D., M.B.E., M.D., F.R.C.S.Ed., F.R.F.P.S.Glas., F.R.C.O.G. Samaritan Lectr.
Sutherland, A. M., M.D.

Orthopædics

Barnes, R., B.Sc., M.B. Manc, F.R.C.S., F.R.F.P.S.Glas. Reader.

Pathological Biochemistry

Lecturers

Eaton, J. C., B.Sc., M.B.
Wilson, H. E. C., D.Sc., M.B., F.R.F.P.S.Glas.
Chambers, J. W., B.Sc., M.B.
Hendry, E. B., B.Sc., Ph.D., M.B. Edin.
M'Donald, Rachael Asst.

Pathology

Cappell, D. F., M.D., F.R.F.P.S. Glas. Prof.
Symington, T., B.Sc., M.D. St. Mungo Notman Prof.

Senior Lecturers

Dick, J. C., M.D.
Hutchison, H. E., M.D.

Lecturers

Anderson, J. R., B.Sc., M.B. St. And.
Marshall, Alice J., M.B.
Taylor, W. A., B.Sc., M.B.
Currie, A. R., B.Sc., M.B.
Stewart, A. E., M.B.
Gibson, J. B., M.B.
Curran, R. C., M.B.
Sandison, A. T., B.Sc., M.B. St. And.
Roberts, G. B. S., B.Sc., M.B.
Patrick, R. S., M.B.
Johnstone, J. M., M.D.

Honorary Lecturers

Davis, W. B., B.Sc., M.D.
Govan, A. D. T., M.B., Ph.D.
Peacock, P. R., M.B., B.S. Lond., F.R.F.P.S. Glas.
Milne, J. A., M.B.

Pathology of Diseases of Infancy and Childhood

MacDonald, A. M., M.D. Edin., F.R.C.P.Ed. Gardiner Lectr.

Psychiatry (Mental Diseases)

Honorary Lecturers

MacNiven, A., M.B., D.P.M. Lond., F.R.C.P.Ed.
Sclare, I. M. Mackintosh Lectr.
Milne, J., B.Sc., M.B., D.P.M. Lond.
Gillies, H., M.D.
Mowbray, R. M., M.A.

Psychological Medicine

Rodger, T. F., B.Sc., M.B., D.P.M. Lond., F.R.C.P.Ed. Prof.

Lecturers

Sclare, A. B.
Swann, Margaret B., B.Com. Edin.
Freeman, T., M.D.
Andrew, A. M., B.Sc. Asst.

Public Health

Ferguson, T., C.B.E., M.D., D.Sc., D.P.H. Edin., F.R.C.P.Ed. Henry Mechan Prof.
Meiklejohn, A., M.D., D.P.H. (Indust. Health) Sr. Lectr.

Lecturers

Laidlaw, S. I. A., J.P., B.Sc., B.L., M.D., D.P.H., D.P.A.
Mearns, A. G., B.Sc., M.D., D.P.H.
MacPhail, A. N., M.C., M.B., D.P.H.
Horne, W. A., M.D., D.P.H.
Hunter, W., M.B. Edin.

Surgery

Illingworth, C. F. W., C.B.E., M.D., Ch.M. Edin., F.R.C.S. Ed. Reg. Prof.
Mackey, W. A., T.D., M.B., F.R.C.S.Ed., F.R.F.P.S. Glas. St. Mungo Prof.
Jamieson, R. A., M.B. Edin., F.R.C.S.Ed. Sr. Lectr.
Mowat, G. T., M.B. Edin., F.R.C.S.Ed., F.R.F.P.S. Glas. Hon. Lectr.

Lecturers

Murray, A. M., M.B., F.R.C.S.Ed.
Short, D. W., B.Sc., M.B.

Assistants

Kay, A. W., M.D., Ch.M., F.R.C.S. Ed.
Goodall, A. L., M.D., D.P.H., F.R.C.S.Ed., F.R.F.P.S.Glas.

Surgery, Clinical

Honorary Lecturers

Fleming, J. P., M.B., F.R.F.P.S. Glas.
Newton, T. M., M.B., F.R.F.P.S. Glas.
Robertson, J. H., M.B., F.R.C.S. Ed., F.R.F.P.S.Glas.
Dunbar, J., M.B., F.R.F.P.S.Glas.
Stevenson, G. H., O.B.E., M.C., M.B. Edin., F.R.C.S.Ed., F.R.F.P.S.Glas.
Mowat, G. T., M.B. Edin., F.R.C.S.Ed., F.R.F.P.S.Glas.
Burdon, I. M., M.B., F.R.C.S.Ed.
Gerstenberg, E. G., T.D., M.B., F.R.C.S.Ed.
Kerr, A. B., O.B.E., T.D., B.Sc., M.B., F.R.C.S.Ed., F.R.F.P.S. Glas.
Mailer, R., M.D. Edin., M.S. Minn., F.R.C.S.Ed., F.R.F.P.S.Glas.
Patrick, W., M.B., F.R.C.S.Ed., F.R.F.P.S.Glas.

Surgery, Specialist

Smith, G., M.B. Sr. Lectr.

Honorary Lecturers

Dick, B. M., M.B. Edin., F.R.C.S. Ed. (Thoracic).
Tough, J. S., M.B. Edin., F.R.C.S. Ed. (Plastic).
Paterson, J. E., M.B., F.R.F.P.S. Glas. (Neuro-).
Robertson, J. S. M., B.Sc., M.B., F.R.C.S. (Neuro-).

Tuberculosis, Clinical

Honorary Lecturers

Foulis, M. A., M.D.
Barclay, R. S., M.D.
Baxter, H., T.D., M.D.

Borthwick, W. M., M.B., Ch.M.
Dale, A., M.B.
M'Intyre, J. P., M.D.

Venereal Diseases

..... Hon. Lectr.

Veterinary Medicine

Animal Husbandry and Preventive Medicine

Inglis, J. S. S., B.Sc.(Agric.) Edin. Sr. Lectr.
Nicolson, N. Lectr.
Pearce, P. J., B.Sc. Asst.
Weipers, Mary, M.A. Asst.

Veterinary Anatomy

Lecturers

Smith, Helen J.
McCallum, F. J.
MacDonald, Flora E. F.

Veterinary Biochemistry

Mulligan, W., M.Sc. Belf., Ph.D. Lond. Sr. Lectr.
Jennings, F. W., B.Sc., M.Agric. Belf. Lectr.

Veterinary Histology and Embryology

Aitken, R. N. C. Sr. Lectr.
Hadek, R., Dr. Med. Vet. Vienna Lectr.

Veterinary Medicine

McCance, C. M. Lectr.
Marr, A., B.Sc., Ph.D. Edin. Lectr.

Veterinary Obstetrics and Infertility

Hignett, P. G. Lectr.

Veterinary Pathology

Emslie, J. W., B.Sc.(Agric.) Aberd. Prof.

Lecturers

O'Sullivan, J. G.
Urquhart, G. M.
Campbell, R. S. F.
Michna, S. W., V.S. Lwow.
Grindlay, M.
Jarrett, W. F. H.

Assistant

Mackay, J. M. R.

Veterinary Physiology

Black, J. W., M.B. St. And. Sr. Lectr.
Fisher, E. W., B.Sc. Asst.

Veterinary Studies

Weipers, W. L., B.Sc., D.V.S.M. Prof. of Vet. Surg. and Dir. of Vet. Educn.
McIntyre, W. I. M. Sr. Lectr.

Lecturers

Abbott, S. G., M.B.E., D.V.S.M.
Thomson, A.
Lauder, I. M.
Martin, W. B.

Assistants

Cunningham, M
Campbell, J.
M'Laren, A. P.
M'Nish, W.

Veterinary Surgery [Prof.

Weipers, W. L., B.Sc., D.V.S.M.
Jennings, S. Sr. Lectr.
Lawson, D. D. Lectr.

Cramb Music Lecturer

1954—H. K. Andrews, M.A., D.Mus. Oxon., Organist and Fellow of New College, Oxford.

Dalrymple Lecturer (Archæology)

Anne S. Robertson, M.A.

1952–53—W. D. Simpson, M.A., D.Litt. Aberd.

Frazer Lecturer (Social Anthropology — Oxford, Cambridge, Glasgow, Liverpool, in rotation)

1952—Prof. H. M. Gluckman, B.A. Rand, M.A. Manc., M.A., D.Phil. Oxon.

Gibson Lecturer (History of Mathematics)

1953—Prof. C. A. Coulson, M.A. Oxon., M.A., Ph.D. Camb., D.Sc. St. And., F.R.S.

Gifford Lecturer in Nat. Theol. (held for 2 to 6 yrs.)

1955—Rev. Prof. L. Hodgson, D.C.L. Bishop's, S.T.D. Theol. Sem. N.Y., D.D. Edin. and Oxon.

Hastie Lecturer (Encouragement of Theology—held for 3 yrs.)

1952–53—Rev. A. D. Galloway, B.D., Ph.D.

W. P. Ker Lecturer

1955—B. Ifor Evans, M.A., D.Lit. Lond.

Sir William MacEwen Memorial Lecturer (biennial)

1954—Prof. R. Dos Santos.

1955—Sir James Learmonth, K.C.V.O., C.B.E., M.D. Oslo, M.B., Ch.M., F.R.C.S.Ed.

David Murray Lecturer

1955—Prof. J. G. Edwards, M.A. Oxon. and Manc., D.Litt. Wales and R'dg., F.B.A.

Alexander Robertson Lecturer (Defence of the Christian Religion—not oftener than once in every 2 yrs.)

1952—Prof. J. S. Thomson, M.A., D.D., LL.D.

Stevenson Lecturer (Citizenship)

1953–58—J. A. Mack, M.A.

Extra-Mural Education

Trump, H. J., M.A. Camb. Dir.
Nicol, W. B. de B., M.A. Aberd. Tutor-Organizer.

Tutors

Lloyd, W. E., B.A. Wales.
Shearer, J. G. S., M.A.
Gillanders, F., M.A.
Williams, R. A., M.A. Wales.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar and Asst. Sec. of Court, G. P. Richardson, M.A.; Finance Officer and Asst. Sec. of Court, L. G. Watt, F.C.I.S.; Asst. Sec. of Court (Works), J. W. C. Wingate, D.A., D.P.A.; Asst. Sec. of Court, J. B. Neilson, M.C., M.A. Glas. and Oxon.; Sr. Admin. Asst., G. Bradley; Clerk of the Fac. of Medicine, J. O. Westwater; Clerk of Senate's Asst. and Clerk of Facs. of Arts, Div. and Law, C. S. Rankine; Clerk of Senate's Asst. and Clerk of Facs. of Sci. and Engin., J. McCargow, M.A.; Sec. Appts. Cttee. (Men), G. H. G. Harris, B.A. Camb.; General Adviser to Women Students, Barbara L. Napier, M.A.; Warden Maclay and Strain Halls, Capt. (S) C. H. Law; Warden MacBrayne Hall, I. C. Smith, B.Sc.; Warden Kelvin Lodge, F. H. Scarfe, M.Litt. Camb., M.A. Durh.; Warden Horslethill House, D. M. Boyd, B.Sc.; Warden Queen Margaret Hall, Mrs. Elsie Conway, B.Sc., Ph.D.; Chaplain, H. McIntosh, M.C., B.D.; Medical Officer (Student Health Service), A. S. Henderson, M.B.; Dir. of Physical Educn., G. Niven.

ASSOCIATED COLLEGES, in which University courses are provided at Glasgow.

The Royal Technical College: *see* p. 637.

West of Scotland Agricultural College, 6 Blythswood Square, Glasgow, C.2 (*Telephone*: Douglas 2241-3). Principal, D. S. Hendrie, B.Sc. (Agr.) Glas.; *Agric.*, D. S. Hendrie, B.Sc. (Agr.) Glas.; A. B. Smart, B.Sc.

(Agr.) Glas.; W. D. Carr, B.Sc. Wales; *Agric. Econ.*, J. A. Gilchrist, B.Sc. Glas.; *Agric. Engin. and Surveying*, C. J. Swan, B.Sc. Glas.; *Agric. Zool.*, D. S. Maclagan, B.Sc. (Agr.), Ph.D., D.Sc. Edin.; *Bacteriol.*, J. F. Malcolm, D.Sc., Ph.D. Lond.; *Bee-keeping*, J. Savage; *Bot.*, Prof. W. W. Fletcher, B.Sc.; *Chem.*, H. Nicol, M.Sc., Ph.D. Lond., F.R.I.C.

STUDENTS (1953–54), 267, of whom 63 were reading for University qualifications.

GENERAL INFORMATION

Founded by a Papal Bull in 1451, after the model of Bologna, the Univ. was reconstituted by a Charter of King James VI of Scotland in 1577.

CONSTITUTION. By the Universities (Scotland) Act of 1858, as modified by the Act of 1889, the Univ. Court, upon which Senate and General Council have representation, controls the finance, properties and general administration of the Univ. The Senate superintends teaching and discipline. The General Council consists of the Chancellor, the members of the Univ. Court and the Profs. of the University, all *ex officio*; graduates of the Univ. who have paid the registration fee; and (during their term of office) Readers and Lectrs. of more than one year's standing. The Chancellor is elected for life by the General Council. The Rector is elected by the matriculated students, is President of the Univ. Court, and holds office for three years. The office of Principal is in the patronage of the Crown.

The LIBRARY, founded in 15th century, contains more than 400,000 vols., including 300 bks. printed before A.D. 1500. Among its important collections are the Ewing, distinguished for the value and variety of its Bibles; the Hamilton, rich in philosophical works; and the Ferguson, containing rare bks. on the hist. of chem. READING ROOM, founded 1939. There are also 67 class and deptl. libraries, the most important of which are those attached to the Veterinary Sch. and the Dept. of Soviet Institutions. The HUNTERIAN MUSEUM, founded in 1783, contains most valuable MSS., early printed bks., pictures, important collections of coins, anatomical preparations, zoological and mineral specimens, etc. Large new depts. with spacious LABORATORIES have been erected for Engin., Bot., Nat. Philos., Chem., Physiol., Anat., Pathol., Mat. Med., Forensic Med., Pub. Health and Zool. There are BOTANICAL GARDENS and an OBSERVATORY. As Glasgow stands at the centre of the Shipbldg., Engin., Mining and Industrial area of Scotland, it offers unique opportunities for technical training. 5 large general HOSPITALS (the Western, Royal, and Victoria Infirmaries and the Southern General and Stobhill Hospitals) are available for clinics, besides special institutions (including Consumption Sanatoria).

FACULTIES AND DEANS. *Arts*, Prof. P. Alexander (Engl.); *Divinity*, Rev. Prof. I. Henderson (Systematic Theol.); *Engineering*, Prof. B. Hague (Elect. Engin.); *Law*, Prof. R. Browning (Accountancy); *Medicine*, Prof. G. M. Wishart; *Science*, Prof. T. N. George (Geol.).

ADMISSION. *See* Appendix I.

DEGREES. M.A. (Ord.) 3 yrs., (Hons.) 4 yrs.; B.Mus., 3 yrs.; B.L., 4 yrs.; B.Sc. in Agric. (Ord.) 3 yrs., (Hons.) 4 yrs.; B.Sc. (Appl. Chem.) Ord. and Hons., 4 yrs.; B.Sc. (Archit.) Ord. and Hons., 4 yrs.; B.Sc. (Aero. Engin., Chem. Engin., Civ. Engin., Elect. Engin., Mech. Engin., Mining, Naval Archit.) Ord and Hons., 4 yrs.; B.Sc. (Pharm.) Ord. and Hons., 4 yrs.; B.Sc. (Pure Sci.) (Ord.) 3 yrs., (Hons.) 4 yrs.; M.B., Ch.B., 6 yrs.; B.D.S., 5 yrs.;

B.V.M.S., 5 yrs. Open only to graduates: B.Litt., Ed.B., 2 yrs.; B.D., LL.B., 3 yrs.

Applications from overseas students for remission of part of course for B.Sc. in branches other than Engineering will be considered sympathetically.

HIGHER DEGREES. M.D. (Thesis; open only to graduates, M.B., Ch.B., of Glasgow); Ch.M. (as for M.D.); M.V.S., D.V.M. (regulations not yet drawn up); M.D.S. (thesis); D.Litt., D.Sc., D.Sc. (Public Health), grads. of other Univs., 2 yrs. (no period stipulated for Glasgow grads.); D.Mus., grads. of other Univs., 3 yrs. (no period stipulated for Glasgow grads.); Ph.D. (in all Facs.), 3 yrs.

HONORARY DEGREES. D.D., LL.D.

DIPLOMAS. Education, for graduates, 1 yr. (first yr. of Ed.B. course); Public Administration, 3 yrs.; Biblical Studies, 2 yrs.; Dramatic Studies (regulns. not yet drawn up); D.P.H., 1 yr.

Course in Industrial Health: covers ground required for admission to examn. of Royal Fac. of Physicians and Surgeons, Glasgow, and to examn. for Dipl. in Industrial Health (D.I.H.) of Jt. Examining Bd. in England.

CERTIFICATES. Certs. of Proficiency in Engin. Sci. and in Mining Engin. (3 yrs., of which 1st yr. may be taken in Royal Technical Coll.); no prelim. examn. Certs. also awarded in Social Study (2 yrs.; 1 yr. for grads.), Social Welfare (3 yrs.), and Dramatic Studies (3 yrs.).

For detailed information regarding POSTGRADUATE study and research in any Fac., application should be made to the Dean.

FEES. Matriculation, 2½ gs. p.a. Inclusive tuition fees for M.A. (Ord.), 57 gs., (Hons.), 76 gs.; B.D., 51 gs.; LL.B., 52 gs.; B.L., 56 gs.; B.Sc. (Ord. Pure Sci.), 114 gs., (Hons. Pure Sci., or Appl. Sci.), 127 gs.; M.B., Ch.B., 225 gs. for 5 yrs. Combined M.A. and B.Sc., 150 gs. Examn.: M.A., 11½ gs.; B.D., 11½ gs.; LL.B., 13 gs.; B.L., 11½ gs.; B.Sc., 13 gs.; M.B., Ch.B., 37 gs.; Doctorates, 15 to 20 gs.

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II.

APPOINTMENTS COMMITTEE. Sec. for men's appts.: G. H. G. Harris, D.F.C., B.A. Camb. *Postal Address*: The University, W.2. *Telephone*: Kelvin 2231. Sec. for women's appts.: Barbara L. Napier, M.A. *Postal Address*: The University, W.2. *Telephone*: Kelvin 2231.

RESIDENCE. (For Wardens *see* "Administrative and other Staff," p. 631.) For women: Queen Margaret Hall, Bute Gdns., Glasgow, W.2 (*Telephone*: Western 1622), 90 students; Southpark House, 64 Southpark Avenue, Glasgow, W.2 (*Telephone*: Western 4473), 34 students: this House is controlled by the Student Christian Movement. For men: Maclay Hall and Strain Hall, 16-18 Park Terrace, Glasgow, C.3 (*Telephone*: Douglas 5056), 114 students; MacBrayne Hall, 9-13 Park Circus Place, Glasgow, C.3 (*Telephone*: Douglas 5626), 56 students; Kelvin Lodge, 7-8 Park Circus, Glasgow, C.3 (*Telephone*: Douglas 5360), 30 students; Horslethill House, 7 Horslethill Rd., Glasgow, W.2 (*Telephone*: Kelvin 2732), 21 students.

LODGINGS. Lists of lodgings for men and women students are kept by the Lodgings Officer, 4 University Gdns., Glasgow, W.2 (*Telephone*: Kelvin 2231).

UNIVERSITY TRAINING CORPS (TERRITORIAL ARMY). Formed 1909 as Sr. Div. O.T.C.; reorganized 1948. C.O.: Lt.-Col. A. Treloar, M.A.; W.R.A.C. Commander: Capt. M. Taylor Jones, M.B.E.; Units: Artillery, Engineers,

Signals, Infantry, Medical, R.E.M.E., W.R.A.C. *Postal Address*: University Avenue, Glasgow, W.2. *Telephone*: Western 6611.

UNIVERSITY AIR SQUADRON. Syllabus: Full Elem. Flying Trng., both ground and air, being 90 hrs.' flying and 110 hrs.' lectures, spread over 3 yrs. C.O.: Wing Commander M. Bunce. H.Q.: 11 Bute Gdns., Glasgow, W.2. *Telephone*: Western 6460.

UNIVERSITY ATHLETIC CLUB. Facilities: Athletics, badminton, basket-ball, boats, boxing, cricket, fencing, fives, golf, hares and hounds, hockey (Men), hockey (Women), judo, rugby, shinty, swimming, tennis. Grounds: Westerlands and Garscadden. *Telephone*: Western 1029, Scotstoun 2759. Hon. Pres.: R. O. MacKenna, M.A.; Hon. Treasurer: G. Bradley; Dir. of Phys. Trng.: G. Niven.

STUDENTS' UNIONS. Glasgow University Union, established 1885; present bldgs. opened 1931. Membership open to matriculated men students and former men students of the Univ., to members of the Univ. Court, the Senatus Academicus and the teaching staff. Annual subscription: 2 gs. Pres.: G. Parker. *Postal Address*: University Avenue, Glasgow, W.2. *Telephone*: Western 8697. Queen Margaret Union, founded 1890. Membership open to matriculated women students and women graduates. Annual subscription, £1: 15s. Pres.: Jean Livingston. *Postal Address*: University Avenue, Glasgow, W.2. *Telephone*: Kelvin 1025.

SOCIETIES. Graduates Assocn.. Hon. Sec.—D. G. Steen, LL.B., 77 St. Vincent St., Glasgow, C.2. Glasgow Univ. Club, London: Hon. Secs.—H. L. P. Myles, LL.B., 43 Parliament St., Westminster, London, S.W.1; L. G. Scoular, M.D., 48 Wimpole St., London, W.1. Glasgow Univ. Women Graduates' London Assocn.: Hon. Sec.—Mary Downie, M.A., 33B Crobham Rd., S. Croydon, Surrey. Glasgow Univ. Club, Aberdeen, Hon. Sec., Dr. A. P. Thornton, The University, Aberdeen. Yorkshire Assocn. of Graduates of the Univ. of Glasgow, Hon. Sec., Dr. J. Wishart, 33 Manor Row, Bradford. Glasgow Univ. Club, Manchester, Interim Pres., J. A. K. Young, M.B., Kersley, Manchester.

UNIVERSITY EXTENSION. An Extra-Mural Educn. Cttee., equally representative of the Univ. and working-class organizations, is prepared to supply classes, short courses, and single lectures to groups of students in Glasgow and the West of Scotland, so far as its resources will permit; a compendium of classes and lectures for the session is obtainable from the Organizing Sec., W.E.A., 91 Oakfield Ave., Glasgow, W.2. Fortnightly and occasional free public lectures by profs. and others during the winter session.

PUBLICATIONS. *Calendar*; *Glasgow Univ. Gazette*, each term; *College Courant* (Journal of Graduates Assocn.), bi-annually; *Glasgow Univ. Magazine* (Students), weekly during winter session; *Examn. Papers*, Prelim. and Degree; *Annual Handbook* for matriculated students; *Handbook* for Overseas students and graduates; *Archivum Linguisticum* (Journal of Comparative Philology and General Linguistics); *Soviet Studies* (quarterly); *History of the Universsity of Glasgow* by J. Coutts (MacLehose, 1901); *Roll of Graduates* (1727–1897) (Addison); *Matriculation Albums* (1728–1858) (Addison); *The University of Glasgow 1451 to 1951*, by Prof. J. D. Mackie (Jackson, 1954).

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. J. C. Ewing, £1000 for prizes in Natural Philos. and Scottish Hist.; Squibb Inst. for Med. Res., £5000, and Rockefeller

Foundation, $9400 (both towards cost of spectrophotometer); Nuffield Foundation, £2000 for 3 yrs., in first place for expansion of work (under Dr. Pontecorvo) on genetics of micro-organisms; Gas Council, 5 res. scholps.; I.C.I. Nobel Division, 2 fellowships of £600 each for 1 yr. for res. work on Industrial Relations.

NEW BUILDINGS, ETC. The following were completed: reconditioning of Subjects and Tank Room accomm. in Anat. Dept.; Mech. Engin. Dept.'s Res. Annexe at Spencer St.; Mining and Airflow Res. accomm. in Mine under Univ.

ADULT EDUCATION WORK. Total no. of classes: 141 (of which 30 were 3-yr. Tutorial Classes). Total enrolment for all classes: 2573.

RESIGNATIONS. Dr. B. Touschek (Natural Philos.); Dr. F. W. Campbell (Physiol.); M. V. Brian (Zool.); Dr. A. C. Tait (Psychological Med.); Dr. F. J. Hebbert (Mat. Med.); J. A. Downes (Zool.); Dr. I. McKenzie (Psychiatry and Mental Dis.); J. H. McBeath (Venereal Dis.); Dr. S. B. Chrimes (Constitutional Hist.); Dr. S. Ullmann (Romance Philol.); Dr. A. J. O. Cruickshank (Electr. Engin.); Dr. J. A. Milne (Pathol.); A. C. Cheyne (Hist.); J. B. Masterton (Operative Dent. Surg.); Dr. D. Greene (Natural Philos.).

DEATHS. Dr. W. K. Connell (Lectr. in Anat.); J. Dunlop Anderson (General Council Assessor on Univ. Ct.); Sir Victor Warren (Member of Ct. during term of his Lord Provostship); A. J. Younger (Lectr. in Natural Philos.); Dr. W. S. Evans (Dir. of Extra-Mural Studies); Emer. Prof. A. W. Harrington (Muirhead Chair of Med., 1934–45); J. C. Ballantyne (formerly Clerk of Facs.); Dr. A. Maclennan (First Barclay Lectr. in Surg. and Orthop. in relation to Infancy and Childhood, 1919–38).

HONORARY DEGREES. *D.D.*—Rev. A. Barr, Prof. of N.T. Lang., Lit. and Exegesis in the Theological Coll. of United Free Church of Scotland; Rev. J. A. McCardel, Minister of New Kilpatrick; Rev. W. MacNicol, Minister of Longforgan, Principal Clerk of General Assembly of Church of Scotland; Rev. G. von Rad, Prof. of O.T. Lit., Heidel. Univ.; Rev. R. G. Ramsay, Minister of Hillhead Baptist Church. *LL.D.*—F. Blatt, Prof. of Classical Philol., Aarhus Univ.; J. Cunnison, formerly Lectr. in Social Econ., Glas. Univ., and Dir. of Sch. of Social Studies; N. W. Duthie, Glasgow accountant; Hon. Sir Harold G. Nicolson, author and critic; A. P. Oppé, art historian; W. L. Renwick, Prof. of Rhetoric and English Lit., Edin. Univ.; J. Brown, Educn. Officer, L.C.C.; A. Fleck, Dep. Chairman of I.C.I., Ltd.; Sir Harold P. Himsworth, Sec., Med. Res. Council; D. M. Hutchison, formerly Clerk of General Council, Glas. Univ.; J. Ørskov, Dir. of State Serum Inst., Copenhagen; Monica Taylor (Sister Monica), formerly Principal Lectr. in Sci., Notre-Dame Trg. Coll., Glasgow; Sir Harold E. Yarrow, shipbuilder in Glasgow; T. Alty, Vice-Chancellor and Principal, Rhodes Univ.; F. C. James, Principal and Vice-Chancellor, McGill Univ.; G. W. Paton, Vice-Chancellor, Melb. Univ.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	3785	522
Women	1180	97
Total	4965	619

Postgraduate students, 159.

New admissions, 1130.

Students (full-time) from other countries, 210. (Countries from which largest numbers came: India, 76; Norway, 39; British W. Africa, 28; Pakistan, 12.)

DEGREES. B.Sc. (Agric.), 17; M.A., 349; Ph.D. (Arts), 4; B.Litt., 1; D.Litt., 1; B.Mus., 1; B.D., 8; Ph.D. (Div.), 2; Ed.B., 21; B.Sc. (Chem.), 12; B.Sc. (Civ.), 48; B.Sc. (Elect.), 30; B.Sc. (Mech.), 45; B.Sc. (Min.), 7; B.Sc. (Naval Arch.), 8; Ph.D. (Eng.), 1; B.L., 58; LL.B., 27; Ph.D. (Law), 0; M.B., 190; M.D., 10; Ch.M., 1; Ph.D. (Med.), 1; B.Sc. (App. Chem.), 48; B.Sc. (Arch.), 5; B.Sc. (Pharm.), 17; B.Sc. (Pure), 135; D.Sc., 2; Ph.D. (Science), 34; B.D.S., 31.

[*Information compiled as at 5/6/54 ; Staff list revised in Oct. 1954.*]

THE ROYAL TECHNICAL COLLEGE, GLASGOW *

Founded 1796 ; affiliated to the University of Glasgow, 1913

Postal Address : George St., Glasgow, C.1., Scotland.
Telephone : Glasgow, Bell 4400–9.

CHAIRMAN OF THE BOARD OF GOVERNORS—Sir ANDREW MCCANCE, D.L., D.Sc. Lond., LL.D. Glas., F.R.S.

DIRECTOR—DAVID S. ANDERSON, B.Sc., Ph.D. Glas.

SECRETARY-TREASURER—GEORGE H. THOMSON, B.Com. Lond.

REGISTRAR—W. RUSSELL.

ASSISTANT SECRETARY-TREASURER—CHARLES STEWART.

LIBRARIAN—CHARLES G. WOOD, F.L.A.

TEACHING STAFF

Architecture and Building

Smith, W. J., M.C., F.S.A., F.R.I.B.A.
Prof. and Dir. of Arch. Studies.

Senior Lecturers

MacLean, A., B.A. Manc.

Paterson, D. S., D.A. Glas.

Lyon, T. F., D.A. Glas.

Lecturers

Murray, J. E., D.A. Glas.

Brodie, Margaret B., B.Sc., D.A. Glas.

Ramsay, W. N. W., D.A. Glas.

Selby, F., Dipl. Ing. Arch. Berl.

Cordiner, A. D.

Morrison, R. S.

Morris, E. N.

Kendrick, J. D., B.Sc. (Tech.) Manc. Asst. Lectr.

Bakery, School of

Todd, J. P., Ph.D. Glas., F.R.I.C. Supdt.

Leitch, J. M., B.Sc. Glas., F.R.I.C. Sr. Lectr.

Hawthorn, J., B.Sc., Ph.D. Glas. Lectr.

McKenzie, A. Lectr.

Brown, J. M. Lectr.

Cameron, Mary D., B.Sc. Glas. Asst. Lectr.

Styles, E. C. C., B.Sc. Aberd. Asst. Lectr.

McLachlan, D. F. Demr.

Henry, T. Demr.

Chemistry

Spring, F. S., Ph.D. Liv., D.Sc. Manc., F.R.S. Freeland Prof.

Cranston, J. A., D.Sc. Glas., F.R.I.C. Principal Lectr.

Senior Lecturers

Hopper, I. V., B.Sc. Lond., Ph.D. Glas., F.R.I.C.

* Additional Member of the Association of Universities of the British Commonwealth.

Crawford, A. B., B.Sc., Ph.D. Glas., F.R.I.C.
M'Lean, J., B.Sc., Ph.D. Glas., F.R.I.C.

Lecturers

Anderson, H. G. A., B.Sc. Glas., F.R.I.C.
Good, W., D.Sc. Zür.
Alexander, W. A., B.Sc. Lond., F.R.I.C.
Syme, A. C., B.Sc., Ph.D. Glas.
Sharp, W., B.Sc., Ph.D. Glas., F.R.I.C.
Hart, A. B., B.Sc., Ph.D. Lond.
Newbold, G. T., M.Sc., Ph.D. Manc.
Munro, D. C., M.A. Oxon., D.Phil.
Stevenson, R., B.Sc., Ph.D. Glas.
Wood, H. C. S., B.Sc., Ph.D. St. And.
6 Student Demrs., 1 Res. Asst

Chemistry, Technical

Ritchie, P. D., B.Sc., Ph.D. St. And., F.R.I.C. Young Prof.
Rumford, F., B.Sc. Lond., Ph.D. Glas., F.R.I.C. Principal Lectr.

Lecturers

Mitchell, T. J., Ph.D. Glas., F.R.I.C.
Gordon, M., M.Sc., Ph.D. Lond., F.R.I.C.
Gibb, W., B.Sc., Ph.D. Glas.
Houghton, G., B.Sc., Ph.D. Lond., M.Sc. Ohio.
Gardner, R. G., B.Sc., Ph.D. Glas.

Colour Chemistry and Dyeing

Giles, C. H., B.Sc., Ph.D. Leeds, F.R.I.C. Sr. Lectr.
3 Student Demrs., 2 Res. Assts.

Engineering, Civil and Mechanical

Thomson, A. S. T., D.Sc., Ph.D. Glas. Prof.

Associate Professors

Orkney, J. C., B.Sc. Glas.
Scott, A. W., B.Sc., Ph.D. Glas.

Lecturers in charge

Hunter, W., B.Sc. Lond., Ph.D. (Civil E.) Glas.
Sneeden, O., B.Sc., Ph.D. (Mech. E.) Glas.

Senior Lecturers and Research Leaders

M'Broom, H. L., B.Sc., Ph.D. Glas.
Moir, C. M., B.Sc. Lond., Ph.D. Glas.
Ferguson, W., B.Sc. Lond.
Laird, A. M., B.Sc. Glas.

Senior Lecturers

Garrick, J. A., B.Sc. Durh.
Kenedi, R. M., B.Sc., Ph.D. Glas.
McHutchinson, W. B., B.Sc. Lond.
Frazer, W., B.Sc. Glas.
Stabler, G. V., B.Sc. Durh.
Baxter, A. M., M.Sc. Camb., B.Sc. Glas.
Hendry, R., B.Sc. Glas.
Swinbanks, D. B., B.Sc. Lond., D.I.C.
MacLaren, J. F. T., B.Sc. Glas.

Lecturers

Russell, R.
Brown, J., B.Sc. Lond.
McWee, D.
Tudhope, R. G., B.Sc. Glas.
McKinlay, D. G., B.Sc. Glas.
Neilson, J. H., B.Sc. Glas.
Blair, M., B.Sc. Glas.
Allan, T., B.Sc. Lond.
Rachman, D., B.Sc. Glas.
Joss, E. J., B.Sc. Glas.
Lauder, W., B.Sc. Glas.
Easton, I. C., B.Sc. Glas.
Holmes, W. T., B.Sc. Glas.
Dykes, A. R., B.Sc. Glas.
Webster, J. T., B.Sc. Lond.
Webb, R. W., B.Sc. Lond.
Crawford, R. A., B.Sc. Glas.
Paul, J. P., B.Sc. Glas.
Wooldridge, D.
Ross, D. S.
Young, J., B.Sc. Glas., M.S. Ill.
Beggs, G. C., B.Sc. Belf.
Dick, J. A., B.Sc. Glas.

Kerr, S. V., B.Sc. Glas.
Jackson, R. W., B.Sc. Lond.
Lough, A. L., B.Sc. Glas.
Tooth, A. S., M.Sc. Manc.

Engineering, Electrical

Bruce, F. M., M.Sc., Ph.D. Durh. Prof.

Senior Lecturers

Shearer, G., B.Sc. Glas.
Fairley, E. S., B.Sc., Ph.D. Glas.
Jelonek, Z. J., Dip.Ing. Warsaw.

Lecturers

Martin, W. H., B.Sc. Glas.
Pender, J. T., B.Sc. Glas.
Wood, W. S., B.Sc. Edin.
Potok, M. H. N., B.Sc. Glas.
Matthews, J. E., B.Sc. Lond.
Alston, L. L., B.Sc. Lond.
Langhorne, T. B., B.Sc. Lond.
Harley, E. L., M.Sc. Lond.

Engineering, Mining

Hibberd, G., Ph.D. Glas. Prof.

Senior Lecturers

Flett, W. R., B.Sc. Glas., F.G.S.
Stewart, A. W. K., B.Sc. Glas.

Lecturers

Currie, J., B.Sc. St. And.
Burnett, W. R., B.Sc., Ph.D. Edin.
Clark, D. H. N., B.Sc. Glas.
Bryce, M. W., B.Sc. Glas.

Industrial Administration

Shone, K., M.A. Camb. Head of Dept.

Lecturers

Hanika, F. de P.
Loudon, J.
Costain, G. D., B.Com. Liv.
Gay, W. A., B.Sc. Glas.
Mackenzie, D., M.A. Glas.
Glen, E.

Mathematics

Pack, D. C., M.A. Oxon., D.Sc. St. And. Prof.
Lord, R. D., M.Sc. Lond. Sr. Lectr.

Lecturers

Williams, W. D., B.Sc. Wales.
Eaton, J. C., M.A. Glas.
Martyn, W., M.Sc. Lond.
Lennox, S. C., B.Sc. Durh.
Bartlett, C. C., M.Sc. Durh.

Metallurgy

Hay, R., B.Sc., Ph.D. Glas., F.R.I.C., F.I.M. Prof.

Senior Lecturers

Howat, D. D., B.Sc., Ph.D. Glas., F.R.I.C., F.I.M.
Taylor, J., M.Sc., Ph.D. Durh., F.I.M.

Lecturers

Carter, P. T., B.Sc., Ph.D. Durh.
McLeod, J. M., B.Sc., Ph.D. Glas.
Bell, H. B., B.Sc. Glas.
Cooper, A. H., B.Sc. Glas.
2 Res. Assts.

Natural Philosophy

Rankin, J. S., B.Sc., Ph.D. Glas., F.I.P. Freeland Prof.
Sharpe, J. W., M.A. Glas., F.I.P. Sr. Lectr.

Lecturers

Symon, F. J., B.Sc., Ph.D. Glas.
Milne, E. R. M., M.A. Edin.
MacNeill, A. C. M., M.A., B.Sc. Glas.
Bagnall, L., M.A. Glas.
McLaren, A. S., B.Sc. Glas.
Wylie, T. S.
Weaver, C., B.Sc. Lond.
McKenzie, A. S. V., B.Sc. Edin.
Luffman, D., M.A. Camb., B.Sc. Wales.
Cole, J. F. I., M.Sc. Belf.

Assistant Lecturers

Cownie, A. R., B.Sc. Wales.
Rossmann, M. G., M.Sc. Lond.

Naval Architecture

Bridge, I. C., B.Sc. Glas. Hd. of Dept.
Hughes, J. H. Lectr.

Navigation, School of

Corse, Capt. J. R. Supdt.
Hunter, Capt. A. Sr. Lectr.

Lecturers

Hill, Capt. R. T. W.
Baldwin, Capt. G. D.
Brown, Capt. H. H., D.S.C.
Blezard, Capt. W. C.
Kennedy, Capt. D. M.
Warden, Capt. A. M. B.
Callender, Capt. A.
Watkinson, Capt. D.
Whigham, J. E.

Pharmacy

Todd, J. P., Ph.D. Glas., F.R.I.C. Prof.
Rattray, G. (Pharmacognosy) Sr. Lectr. and Chief Asst.

Senior Lecturers

Lloyd, Blodwen, M.Sc. Wales, Ph.D. Glas. (Biol. and Microbiol.).
Gemmell, D. H. O., B.L. Glas.
Stenlake, J. B., B.Sc., Ph.D. Lond.
Campbell, J. G. C., B.Sc. W.Aust., Dip.Bact. Lond.

Lecturers

Hawthorn, J., B.Sc., Ph.D. Glas.
Fish, F., B.Pharm. Lond.
McIntosh, A. F., B.Sc. Glas.
Comrie, A. M., B.Sc. Glas.
Provan, Margaret, B.Sc. Glas.
Chilton, J., M.Pharm. Lond.
Paterson, J. L., B.Sc. Glas.
Williams, W. D., B.Pharm. Lond.
Blain, J. A., B.Sc. Glas.
Edwards, D., B.Sc. Glas.
Hutchison, W. M., B.Sc. Glas.
Dawson, Mary.
Bell, N. D. S., B.Sc. Glas.
Shaw, J. A. M., M.Sc. Belf.

Assistant Lecturers

Floodgate, G. D., B.A. Camb.
Nelson, P. F., B.Sc. Glas.
Black, Jessie D., B.Sc. Glas.
McCallum, Ada H., B.Sc., Glas.
Dunachie, J. F., B.Sc. Glas.

Textile Technology

Taylor, E. G., B.Sc.Tech. Manc. Supdt. and Lectr.

Lecturers

Marvin, A. W.
Elder, H. M.
Knapp, P. E., B.Sc. Lond.
Grosicki, Z.

1 Demr., 1 Res. Asst.

OTHER STAFF

Physical Trg. Instr. : D. Matheson.

GENERAL INFORMATION

Founded in 1796 under the will of Prof. John Anderson, Anderson's College was, in 1886, joined with the College of Science and Arts (1823), the first "Mechanics Institution," itself an offshoot of the original Anderson's College, and with the Atkinson Institution (1861) in the Glasgow and West of Scotland Technical College. In 1912 the Governors received Royal authority for the title, Royal Technical College, Glasgow. The Coll. was affiliated with the Univ. of Glasgow in March 1913.

The Coll. operates under the City of Glasgow Royal Technical College Scheme, 1935, of the Educational Endowments Commission, and has a Bd. of Governors (30), half of whom are apptd. by the Bd. and the others are representative of Faculties, Institutions and public bodies.

The present Coll. bldg., completed in 1910, has a floor space of over 7 acres, and the Governors have approved an Extension Scheme on an adjoining site

to add approx. one-third more accomm. and to make extensive provision for Civil, Mech. and Mining Engin.

Under the affiliation ordinances, the Coll. provides full qualifying courses for degrees of the Univ. of Glasgow in Engin., Appl. Chem., Pharmacy and Archit. For the Associateship of the Coll. (A.R.T.C.), courses of 4 yrs. are provided in Civ., Mech., Electr., Chem. and Mining Engin., Naval Archit., Chem. and Technical Chem., Metall., Appl. Maths., Appl. Phys., Pharm., Food Sci., Micro-biol., Bldg. and Textile Technol. Entrance qualificns. for the Associateship Courses are given in the *Prospectus* of Day Classes.

Courses for Postgrad. Dipl. in Advanced Studies are available in most departments.

The Glasgow School of Architecture is constituted by the Coll. and the Glasgow School of Art under a Jt. Cttee. of Governors, and issues Dipls. in Archit. (5 yrs.) and Postgrad. Dipls. in Town Planning (5 terms). With the Glasgow and West of Scotland Commercial College, the Coll. forms the Glasgow School of Management Studies and makes jt. provision of courses in Personnel Management (1 yr.), Works Management (1 yr.) and Dipl. in Management Studies (4 yrs. pt-time).

In Pt.-time Classes the Coll. offers a very wide range of technological training at advanced and postgrad. level. Under the scheme of the W. of Scotland Jt. Cttee on Classes in Sci. and Technol., the Coll. classes form the apex of an educn. pyramid, and pt.-time students from all parts of the W. of Scotland complete their courses at the Royal Technical College. The Courses below advanced level are conducted by the various Educn. Authorities.

The Coll. pursues an active policy in res., strengthened by close co-operation with res. assocns. and industry. This is a special feature of Coll. policy, which adds greatly to its res. resources and makes possible work on problems of current interest, sometimes on pilot plant and even larger scale.

LABORATORIES. Ample facilities are available for undergrad. work and postgrad. work of the highest standard.

ADMISSION. Admission to degree courses is conditional upon obtaining an Attestation of Fitness from the Scottish Univs.' Entrance Bd. (*See* App. I.) The conditions for admission to associateship courses are broadly similar, except that a pass in a foreign lang. is not essential.

LIBRARIES. The Andersonian Library, commemorating the Founder of the Coll., houses an extensive range of technical and scientific publicns. (over 30,000), including many of historical interest, the Founder's library and the James Young collection of early alchemical, metallurgical and chem. bks. There are also deptl. libraries.

RESIDENCE. Lochview Hall, 1085 Gt. Western Rd., Glasgow (*Telephone*: Kelvin 3262), with accomm. for 25 male students. Preference is given to postgrad. students.

FORMER STUDENTS' ASSOCIATION. Formed in 1936. Copies of the *Annual Report* of the Coll. are circulated to all members and social functions arranged regularly. A live register of members is kept by the Hon. Sec. at the Coll. and members going overseas have valued the introductions provided by the Association. Branches of the Assocn. are active in Glasgow, London and S. Africa. Life membership is available to qualified applicants at a fee of £1 : 1s.

The student body acts through the Students' Representative Council and joins with others in the Scottish Union of Students. Facilities for football, rugby, hockey, yachting, dramatics, photog., debating, table tennis, basket-ball are well used and the Students' Representative Council maintains sports

grounds at Cambuslang and, under the supervision of a physical trg. instr. and coach, a mod. gymnasium at the College. Accomm. at the Coll. includes the Union, S.R.C. Offices, Study Rooms and the Muirhead Room for Women Students.

TUITION FEES. Degree Courses—Engin., 114 gs.; Appl. Chem., Pharmacy and Archit., 127 gs.; Associateship Courses, and other Non-degree Courses—£30 p.a.; Res. Fee—21 gs. p.a.; Postgrad. courses, £50 p.a. Fees for Courses in Admin. and for pt.-time Classes are shown in the relevant prospectuses.

PUBLICATIONS. *Prospectus of Day Classes*; *Guide to Evening Classes*; *Bursaries, Scholarships and Prizes*; *Prospectuses* for the following: School of Architecture, School of Navigation, School of Pharmacy, Scottish School of Bakery; *Education for Management*; *Town and Country Planning*; *The Annual Report*; *Report on Research.*

THE YEAR 1952–53

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	1101	3920
Women	110	122
Total	1211	4042

Postgraduate students, 83.

Full-time students reading for a first degree, 551.

First-year admissions to full-time courses, 342.

Students (full-time) from other countries, 172. (Countries from which largest numbers came: India, 61; Norway, 35; Egypt, 11; Iraq, 7; Pakistan, 5.)

DEGREES AWARDED. Ph.D. (Glas.), 8; B.Sc. in Applied Science (Glas.), 141; B.Sc. (Lond.), 6.

COLLEGE AWARDS. Associateships in Engineering: Civil, 21; Mechanical, 35; Electrical, 15; Mining, 10; Chem., 4; Metallurgy, 14; Pharmacy, 4; Building, 2; Tech. Chem., 33; Chemical, 11; Appl. Physics, 2; Textile Technol., 4; Food Science, 1; Microbiol., 1; Bakery, 2: Total, 159. Postgrad. Diplomas in Technical Chemistry, 2; Mechanical, 2; Mining, 2; Pharmacy, 1.

[*Information compiled as at* 10/6/54 ;
Staff list revised on 29/10/54.]

UNIVERSITY OF ST. ANDREWS ‡

Founded 1411

Telephone (University Offices) :
St. Andrews—St. Andrews 1211 ;
Queen's College, Dundee—Dundee 3131.

CHANCELLOR AND PRESIDENT OF THE GENERAL COUNCIL—His Grace THE DUKE OF HAMILTON, K.T., G.C.V.O., A.F.C., LL.D., D.L.

PRINCIPAL AND VICE-CHANCELLOR—THOMAS MALCOLM KNOX, M.A. Oxon., LL.D. Edin.

RECTOR AND PRESIDENT OF THE UNIVERSITY COURT—The Rt. Hon. the EARL OF CRAWFORD AND BALCARRES, G.B.E., Litt.D. Manc., D.C.L. Oxon., LL.D., F.R.I.B.A.

MASTER OF ST. SALVATOR'S COLLEGE—Professor EDWARD THOMAS COPSON, M.A. Oxon., D.Sc. Edin.

MASTER OF QUEEN'S COLLEGE—Professor DAVID RUTHERFORD DOW, M.D., D.P.H., F.R.C.P. Ed.

PRINCIPAL OF ST. MARY'S COLLEGE—Rev. MATTHEW BLACK, M.A., D.D., D.Litt. Glas., Ph.D. Bonn.

SECRETARY AND REGISTRAR—DAVID J. B. RITCHIE, B.L. Edin.

QUÆSTOR AND FACTOR—JAMES DUNCAN.

LIBRARIAN—GEORGE H. BUSHNELL, F.L.A.

TEACHING STAFF

Anatomy

Walmsley, R., M.D. Edin. Bute Prof.
Mulligan, J. H., M.B., Ch.B. Aberd. (Neurol. and Histol.) Lectr.
Smith, J. W., M.D. (Regional Anat.) Lectr.
Mutch, J., M.B., B.S. Lond. Lectr.
Dow, D. R., M.D., D.P.H., F.R.C.P.Ed. Prof.*
MacDougall, J. D. B., M.D. Lectr.*
Pearce, G. W. Lectr.*
Silver, J. H. F., M.B., Ch.B. Lectr.*
Wilson, Mrs. Susan H., M.B., Ch.B. Lectr.*
Mair, W. F., M.D. Edin. Asst.
Lyons, M. J., M.B., Ch.B. Belf. Tutor.

Astronomy

Freundlich, E F., Dr.Phil. Gött., M.A. (Dir. of Univ. Observatory) Napier Prof.
Slebarski, T., M.A. Lectr.
Jarrett, A. H., B.Sc. Leeds, M.Sc. Manc., Ph.D. Lectr.
Middlehurst, Barbara M., M.A. Camb. Observer.

* At Dundee.

‡ Member of the Association of Universities of the British Commonwealth.

Biochemistry, v. Physiology

Botany

..... Keeper of Botanic Garden, Prof.†
Macdonald, J. A., B.Sc., Ph.D. Edin., D.Sc. Lectr.
Blackler, Margaret C. H., B.Sc., Ph.D. Liv., F.L.S. Lectr.
Poel, L. W., B.Sc., Ph.D. Liv., F.L.S. Lectr.
Dunn, Mary D., B.Sc., Ph.D. Lectr.
Smith, Edith P., B.A. Oxon., Ph.D., D.Sc. Edin. Lectr.*
Taylor, R. A., B.Sc., Ph.D., D.Sc. Lectr.*
Acheson, Mollie E., B.Sc. Birm., Ph.D. Nott. Asst.*

Chemistry

Read, J., M.A., Sc.D. Camb., Ph.D. Zür., F.R.S. (Dir. of Chem. Res. Lab.) Prof.
Steele, Ettie S., M.A., B.Sc., Ph.D. Lectr.
Macdonald, J. Y., M.A. Oxon., Ph.D. Lond. Lectr.
Lloyd, D. M. G., B.Sc. Brist. Lectr.
Horrex, C., M.Sc., Ph.D. Manc. Lectr.
Reid, D. H., B.Sc., Ph.D. Edin. Lectr.
Walsh, A. D., M.A., Ph.D. Camb. Prof.*
Ross, J. D. M'B., M.B.E., M.A., D.Sc. Edin. (Phys. C.) James White Lectr.*
Roger, R., B.Sc., Ph.D. Lectr.*
Smith, Isobel A., M.A., B.Sc., Ph.D., D.Sc. Lectr.
Copp, J. L., B.Sc., M.A. Oxon., Ph.D. Lectr.*
Watson, Mrs. Kathleen M., B.Sc., Ph.D. Edin. Lectr.*
Parsons, R., B.Sc., Ph.D. Lond. (Edward A. Deeds Fellow) Lectr.*
Dollimore, D., B.Sc., Ph.D. Lond. Asst.*
Macleod, J. W., B.Sc. Aberd. Asst.*

Classics

Lorimer, W. L., M.A. Oxon. (Gk.) Prof.
Wright, T. E., M.A. Glas. and Oxon. (Latin) Prof.
Mitford, T. B., M.A. Oxon. (Latin and Class. Archæol.) Lectr.
Young, D. C. C., M.A. (Latin) Lectr.*
Davidson, J., M.A. (Latin) Lectr.
Kidd, I. G., B.A. Oxon., M.A. (Gk.) Lectr.
Simon, J. H., M.A. Oxon. (Latin) Lectr.
Mackenzie, F. R., M.A. Asst.

Dentistry, v. *infra*

Divinity

Black, M., M.A., D.D., D.Litt. Glas., Ph.D. Bonn. (Bibl. Crit.) Prof.
Baxter, J. H., M.A., D.D. Glas., B.D. Aberd., D.Litt. (Eccles. Hist.) Prof.
Dickie, E. P., M.C., B.A. Oxon., M.A., B.D. Edin., D.D. Prof.
Baillie, D. M., M.A. Edin., D.D. (Systematic Theol.). Prof.
Forrester, W. R., M.C., M.A., D.D. Edin. (Practical Theol. and Christian Ethics) Prof.

Economics

Nisbet, J. W., M.A., LL.B. Glas. Prof.
Cole, A. V., M.A. Lectr.
Harris, R., B.A. Camb. Lectr.
Savage, C. I., M.Com. Birm. Lectr.

Education

..... Bell Prof.†
McFarland, H. S. N., M.A. Aberd., B.Ed. Edin. Lectr.†
Young, Margaret, M.A., B.Ed. Edin. Asst.†

* At Dundee.

† At St. Andrews and Dundee.

*Engineering, Civil and Mechanical**

Dick, J., B.Sc. Glas., M.A. Oxon., Ph.D. Sheff. Prof.*
Steel, G. S., B.Sc. Lond., Ph.D. (Civ. E. and Struct. Design) Lectr.*
Hall, A. P., B.Sc., Ph.D. Lectr.*
McNicoll, W., B.Sc. Lectr.*
Stewart, W., B.Sc. Lectr.*
Gibb, A., B.Sc. Lectr.*
Arthur, P. D., B.Sc. Glas. Lectr.*

*Engineering, Electrical**

Cullwick, E. G., O.B.E., M.A. Camb., D.Sc., F.R.S.C. Watson Watt Prof.*
Mackay, W. M., M.C., T.D., B.Sc. Glas. Lectr.*
Ballantine, J. R., B.Sc. Lectr.*
Sutcliffe, H., M.A. Camb. Lectr.*
Cruickshank, A. J. O., Ph.D. Glas., B.Sc. Lectr.*
Bennet, J. A., B.Sc. Edin., Ph.D. Aberd. Lectr.*

English Language and Literature

Webster, A. Blyth, M.A. Edin., LL.D. Calif. (E. Lit.) Berry Prof.
Oakden, J. P., M.A., Ph.D. Manc., D.Litt. Lectr.
Logan, R. M., M.A. Edin. Lectr.
Ladd, C. A., M.A. Oxon. Lectr.
Falconer, A. F., M.A. Glas., B.A., B.Litt. Oxon. Lectr.*
Walker, W. A., M.A. Edin. and Camb. Lectr.*
Beck, R. J., M.A. Oxon., Ph.D. Lectr.*

French Language and Literature

Johnston, R. C., M.A. Oxon. and Lond., D. de l'U. Stras. Prof.
Wilson, R. A., M.A., Ph.D. Lectr.
Brumfitt, J. H., M.A., D.Phil. Oxon. Lectr.
Owen, D. D. R., M.A. Camb. Lectr.
Hackett, Winifred M., M.A. Oxon. and Manc., D.Phil. Oxon. Lectr.*
Ouston, P. A., B.A. Lond. Lectr.*
Beaujour, M., L. ès L. Paris Lecteur.
Magnet, J. M.-V., L. ès L. Paris Lecteur.

Geography

Cumming, G. A., B.Sc., Ph.D. Lectr.
MacIver, Kathleen M., M.A. Oxon., Ph.D. Edin. Lectr.
Jones, S. J., M.A. Wales Lectr.*
Turner, W. H. K., B.A. Wales Lectr.*
Butler, A. J., B.Sc. Lond. Asst.*
Macpherson, A. G., M.A. Edin. Asst.

Geology

..... Prof.†
Drever, H. I., B.Sc. Edin., Ph.D. Camb. Lectr.
Attridge, J., B.Sc. Lond., M.Sc. Calif. Lectr.
Charlesworth, H. A. K., B.A. Camb. Lectr.
Scott, J. F., B.Sc., Ph.D. Glas. Lectr.*
Harry, W. T., B.Sc. Leeds Lectr.*
Richey, J. E., B.A., B.A.I., Sc.D. Dub., F.R.S. Lectr.*

German

Carr, C. T., M.A. Manc., D.Litt. Prof.
Hayens, K. C., M.A., D.Litt. Glas. Reader.*
Brill, E. V. K., M.A. Lectr.
Harvey, Ruth C., M.A. Oxon. Lectr.
Lindsay, J. M., M.A., Ph.D. Aberd. Lectr.
Strachan, T., M.A. Lectr.*
Robertson, A. G., M.A. Lectr.*
Himmel, A., Dr.Phil. Bonn. Lektor.
Buhl, Anneliese W. K. Demr.*

* At Dundee.

† At St. Andrews and Dundee.

Hebrew and Oriental Langs.
Honeyman, A. M., B.D., Ph.D. Edin., M.A., B.Litt. Prof.
Dobbie, R., M.A. Glas., B.D., M.Th. Lond. Lectr.
Ullendorff, E., M.A. Jerusalem, D.Phil. Oxon. Lectr.

History, Ancient
Staveley, E. S., M.A., D.Phil. Oxon. Lectr.

History, American and Colonial
Seed, G., M.A. Durh., A.M. Mich., Ph.D. Lectr.

History, Economic
Carstairs, A. M., M.A., B.Phil. Lectr.

History, Mediæval
Adam, R. J., B.A. Oxon. Lectr.
Watt, D. E. R., M.A. Aberd. Lectr.
Rae, T. I., M.A. Asst.

History, Modern
Williams, J. W., M.A., B.Litt. Oxon. Prof.
Ogilvie, Sir Charles M. G., C.S.I., C.B.E., M.A. Oxon. and Camb. Lectr.
Ketelbey, Caroline D. M., M.A. Manc. Lectr.
Wainwright, F. T., B.A., Ph.D. R'dg. Lectr.*
Menzies, Elizabeth A., M.A., Ph.D. Lectr.*
Furley, O. W., M.A. Asst.

History, Scottish
Cant, R. G., M.A. St. And. and Oxon. Lectr.

*Law, Civil**
Hird, T. L., M.A., LL.B. Edin. Lectr.*

*Law, Conveyancing**
Carlton, H. J., LL.B. Edin., M.A. Lectr.*
Coupar, A. J. W. R., D.F.M., B.L. Asst.*

*Law, Evidence and Procedure**
Tudhope, Mrs. Christian J., LL.B Edin., M.A. Lectr.*

*Law, Forensic Medicine**
Dorward, W. F., B.Sc., M.B., Ch.B. Lectr.*

*Law, Jurisprudence**
Bowman, B. C., LL.B. Edin., M.A. Lectr.*

*Law, Public International**
Matheson, Prof. A. A., M.A., LL.B. Edin. Lectr.*

*Law, Scots**
Matheson, A. A., M.A., LL.B. Edin. Prof.*
Gillan, A. W., B.L. Aberd. Lectr.*

Mathematics, Pure and Applied
Copson, E. T., M.A. Oxon., D.Sc. Edin. Reg. Prof.
Rutherford, D. E., Dr.Math. Amst., M.A., D.Sc. (M. and Applied M.) Reader.
Mitchell, A. R., B.Sc., Ph.D. Lectr.
Gray, J. R., B.Sc. Edin. (Statistics) Lectr.
Borwein, D., B.Sc. Rand, Ph.D. Lond. Lectr.
Read, A. H., M.A. Camb., Ph.D. Harv. Lectr.
Patterson, E. M., B.Sc., Ph.D. Leeds Lectr.
Deas, H. D., M.Sc., Ph.D. Belf. Lectr.
Macbeath, A. M., B.A. Belf., M.A. Camb., Ph.D. Prin. Prof.*
Jackson, J. M., B.Sc. Lond., Ph.D. Camb. Lectr.*
Faulkner, T. E., M.A., Ph.D. Camb. (Statistics) Lectr.*

* At Dundee.

Vosper, A. G., M.A. Oxon. Lectr.*
Jack, H., M.A. Edin., B.A. Camb. Lectr.*
Anderson, H. G., M.A., Ph.D. Edin. Lectr.*
Pearce, R. P., B.Sc. Lond. Lectr.*

Medicine and Surgery, v. *infra*

Music

Davie, C. T., O.B.E. Lectr. and Master of Music.

Philosophy

Wright, J. N., M.A. Durh. (Logic and Metaphysics) Prof.
Henderson, G. P., B.A. Oxon., M.A. Lectr.
Lloyd, A. C., M.A. Oxon. Lectr.
Smith, R. N. W., M.A. Oxon. and Glas. Lectr.
Goddard, L., M.A. Asst.
Mundle, C. W. K., B.A. Oxon., M.A. Lectr.*
Cohen, L. J., M.A. Oxon. Lectr.*

Philosophy, Moral

Woozley, A. D., M.A. Oxon. Prof.
Wernham, A. G., M.A. Aberd., B.A. Oxon. Lectr.
Kemp, J., M.A. Oxon. Lectr.

Physics

Allen, J. F., M.A. Tor. and Camb., Ph.D. Tor., F.R.S. Prof.
Jack, D., M.A., B.Sc. Edin., Ph.D., F.I.P. Reader.
Woolley, R. L., M.A. Camb. Lectr.
Barkla, H. M., M.A. Camb., B.Sc. Edin. Lectr.
M'Call, D. M., B.Sc. Lectr
Adamson, J., M.Sc. Manc. Lectr.
Rushworth, F. A., B.Sc. Lond., Ph.D. Lectr.
Osborne, D. V., M.A., Ph.D. Camb. Lectr.
ter Haar, D., D.Sc. Leiden, M.A. Lectr.
Preston, G. D., M.A., Sc.D. Camb., F.I.P. Harris Prof.*
Smith, Winifred J., B.Sc., Ph.D. Lectr.*
Baranowski, D., Ing. des Mines St. Etienne Lectr.*
Macdonald, S. G. G., M.A., Ph.D. Edin. Lectr.*
Iball, J., Ph.D., D.Sc. Wales, F.I.P. Lectr.*
Clark, Mrs. Sheena M., B.Sc. Edin. Lectr.*
Walton, G. F., M.A., D.Phil. Oxon. Lectr.*
Hutchinson, W. C. A., B.Sc., Ph.D. Durh. Lectr.*
McKie, J., B.Sc. Durh. (Med. Phys.) Lectr.*

Physiology

Ritchie, A. E., M.A., B.Sc. Aberd., M.D. Edin. Chandos Prof.
Bayne, S., B.Sc., M.B., Ch.B. (Biochem.) Lectr.
Tristram, G. R., B.Sc., Ph.D. Liv. (Biochem.) Lectr.
Taylor, J. H., M.B., Ch.B. Edin., D.P.H. Lectr.
Crossland, J., M.A. Oxon., Ph.D. Wales Lectr.
Lenman, J. A. R., M.B., Ch.B. Edin. Asst.
Doyle, J., B.Sc. (Biochem.) Asst.
Bell, G. H., B.Sc., M.D. Glas., F.R.F.P.S.Glas. Prof.*
Cook, R. P., B.Sc. Melb., Ph.D., D.Sc., M.B., B.Chir. Camb. (Biochem.) Lectr.*
Dutton, G. J. F., B.Sc., Ph.D. Edin. (Biochem.) Lectr.*
Andrew, B. L., B.Sc. Lond. Lectr.*
MacQueen, A. T., M.B., Ch.B. Edin. Lectr.*
Howe, A., B.Sc. Lond. Lectr.
Johnstone, J. H., B.Sc. Asst.*

Polish [Lectr.
Seliga, S., M.A., Ph.D. Warsaw

* At Dundee.

Political Science

Coatman, J., C.I.E., M.A. Oxon. Lectr.

Psychology

Ferguson, H. H., M.A. Lectr.
Flook, A. J., B.A. Lond. Lectr.
Ramsay, S. G., B.Sc. Edin. Lectr.

Scottish Language

Murison, D. D., B.A. Camb., M.A. Aberd. Lectr.

Spanish

Woodward, L. J., M.A. Camb. Lectr.
Gifford, D. J., M.A. Oxon. Lectr.
Cummins, J. S., B.A. Lond. Asst.

Zoology

Callan, H. G., M.A. Oxon., D.Sc. Edin. Prof.
Sutherland, Christina H., M.A., B.Sc. Aberd. Lectr.
Burt, D. R. R., B.Sc., F.L.S. Lectr.
Dodd, J. M., B.Sc. Liv., Ph.D. Lectr.
Dodd, Mrs. Margaret H. I., B.Sc. Aberd., Ph.D. Harv. Lectr.
..... Asst.
Morris, Lydia, B.Sc. Birm. Asst.
Peacock, A. D., D.Sc. Durh. Prof.*
Waterhouse, F. L., M.Sc. Manc., Ph.D. Lectr.*
Sanderson, Ann R., B.Sc., Ph.D. Lectr.*
Sudd, J. H., B.A. Camb., Ph.D. Lond. Asst.*

Dentistry*

*Dental Anatomy**

Symons, N. B. B., B.D.S., B.Sc. Belf. Lectr.*

*Dental Anæsthetics**

Emmerson, J., M.B., Ch.B. Glas. Lectr.*
Ferguson, J. G., M.B., Ch.B. Asst.*
Nelson, N., M.B., Ch.B. Asst.*

*Dental Jurisprudence**

Tattersall, W. R., L.D.S., H.D.D. Lectr.*

*Dental Mechanics and Prosthetics**

Anderson, J. N., B.D.S. Sheff. Lectr.*
Hutcheson, J. Tech. Instr.*
Elder, R. Tech. Instr.*
Lyon, F. F. Tech. Instr.*

*Dental Metallurgy**

Whyte, R., L.D.S., D.P.D., Ph.D. Lectr.*

*Dental Surgery**

Hitchin, A. D., L.D.S., M.D.S. Durh., F.D.S. Prof.*
Black, E. N., L.D.S. Asst.*
Conacher, F., L.D.S. Asst.*
Crighton, J. T., L.D.S. Asst.*
Milne, J. L., B.D.S. Asst.*
Davie, A. S., M.B., Ch.B. Asst.*
Mason, D. K., B.D.S. Asst.

*Operative Dental Surgery**

Fairley, J. M., B.D S. Lectr.*
Hatt, S. D., B.D.S. Lectr.*

*Orthodontics**

Munro, D., L.D.S. Glas. (Orth. and D. Dis. of Children) Lectr.*
Whyte, R., L.D.S., D.P.D., Ph.D. (Dental Diagnosis) Asst.*
Pettigrew, G. W., L.D.S. Asst.*

*Parodontal Diseases and Preventive Dentistry**

Bradford, E. W., M.D.S. Sheff. Lectr.*

*Public Dentistry**

Finlayson, D. A., L.D.S. Edin. Asst.*

Medicine*

(for pre-clinical subjects—Anat., etc., v. *supra*)

*Anæsthetics**

Shearer, W. M., B.Sc., M.D., F.F.A.R.C.S. Lectr.*

* At Dundee.

Muir, Margaret C., M.B., Ch.B. Asst.*
Soutar, Mrs. Margaret E., M.B., Ch.B. Asst.*
Emmerson, J., M.B., Ch.B. Glas. Asst.*
Buchanan, W. E. A., M.B., Ch.B. Asst.*
Attwood, Mrs. Isobel J. D., M.B., Ch.B. Glas. Asst.*

*Bacteriology**
Tulloch, W. J., O.B.E., M.D. Prof.*
Brodie, J., M.D., D.P.H. Lectr.*
Shepherd, W., M.B., Ch.B. Lectr.*
Dunbar, J. M., B.Sc., M.D. Lectr.*
Green, D. M., M.B., Ch.B. Lectr.*
Sommerville, T., M.D. Edin. Lectr.*
Chawla, G. S., M.D. Asst.*
Christison, Mrs. Janette N., B.Sc. Glas. Asst.*
Simmons, D. A. R., M.B., Ch.B. Asst.*

*Child Health**
Henderson, J. L., M.D. Edin., F.R.C.P.Ed. James Mackenzie Prof.*
Thomson, J., M.B., Ch.B. Edin., F.R.C.P.Ed. Lectr.*
Mitchell, R. G., M.D. Edin. Lectr.*
Rhaney, K., M.B., Ch.B. Edin. Lectr.*

*Dietetics**
Doig, Mary Asst.*

*Diseases, Infectious**
Jamieson, W. M., M.D., D.P.H. (Fevers) Lectr.*
Proudfoot, Mary E., M.B., Ch.B. Asst.*

*Diseases, Mental**
Bell, A. A., M.B., Ch.B. Glas., F.R.F.P.S.Glas., D.P.M. Lectr.*

*Diseases, Skin**
Kinnear, J., O.B.E., T.D., D.L., M.D., F.R.C.P.Ed. Lectr.*
Buchanan, T. K., M.B., Ch.B. Lectr.*
Rogers, J., B.Sc., M.B., Ch.B. Glas. Lectr.*
Finn, O. A., M.D. Glas. Clin. Tutor.*

*Diseases, Throat, Nose and Ear**
Gibson, M. J., M.B., Ch.B. Edin., F.R.C.S.Ed. Lectr.*
Gibb, A. G., M.B., Ch.B. Aberd. Lectr.*
Mowat, J., M.B., Ch.B. Aberd., F.R.C.S.Ed. Lectr.*
Mitchell, J. F. O., M.D. Edin., D.L.O., F.R.C.S.Ed. Lectr.*

*Forensic Medicine**
Dorward, W. F., B.Sc, M.B., Ch.B. Lectr.*
Turnbull, Priscilla E., M.B., Ch.B. Edin. Asst.*

*Genetics**
Smith, Edith P., B.A. Oxon., Ph.D. Edin. Instr.*

*Gynæcology and Midwifery**
Fairlie, Margaret, M.B., Ch.B., F.R.C.O.G. Prof.*
Herring, Jean, B.Sc., M.B., Ch.B., F.R.C.S.Ed., F.R.C.O.G. Lectr.*
Buchan, A., M.B., Ch.B. Aberd., F.R.C.S.Ed. Lectr.*
Fraser, I. T., M.B., Ch.B. Edin., F.R.C.S.Ed. Lectr.*
Reid, S. M., M.A., M.B., Ch.B. Aberd. Lectr.*

Materia Medica, v. Pharmacology

*Medicine**
Hill, I. G. W., C.B.E., T.D., M.B., Ch.B. Edin., F.R.C.P.Ed. Prof.*
Lowe, K. G., M.D. Lectr.*
Stowers, J. M., M.A., M.D., B.Chir. Camb. Lectr.*

* At Dundee.

Adamson, D. G., M.D. Lectr.*
Semple, R., M.D. Aberd. Lectr.*

*Medicine, Clinical**
Hunter, Prof. R. B. (v. Mat. Med.) Lectr.*
Hill, Prof. I. G. W. (v. Med.) Lectr.*
Clark, J. G., M.D. Lectr.*
Kirkland, A. A., M.D. Glas., F.R.F.P.S. Glas. Lectr.*
Easton, I. D., O.B.E., M.B., Ch.B. Edin., F.R.C.P.Ed. Lectr.*
M'Gillivray, D. M., M.D., D.P.H. Lectr.*
Gibson, R., M.D. Glas., D.P.M. Lond. (Mental Deficiency) Lectr.*
Fraser-Steele, G. D., M.B., Ch.B. Edin., F.R.C.P.Ed. Lectr.*
Brown, O. T., M.B., Ch.B. Glas., F.R.F.P.S. Glas. Lectr.*

*Medicine, History of**
Patrick, Emer. Prof. A., M.A., M.D. Glas., LL.D. Glas. and St. And., F.R.F.P.S. Glas., F.R.C.P. Eng. and Ed. Lectr.*

Midwifery, v. Gynæcology, *supra*

*Ophthalmology**
Tulloch, A. K., M.B., Ch.B. Lectr.*
Mathers, R. M., M.B., Ch.B. Lectr.*
Douglas, A. A., B.Sc., M.D., Ch.M., F.R.C.S.Ed. Lectr.*

*Orthopædics**
Smillie, I. S., O.B.E., M.B., Ch.M. Edin., F.R.C.S.Ed., F.R.F.P.S. Glas. Lectr.*
Muckart, R. D., M.B., Ch.B. Glas., F.R.C.S.Ed., F.R.F.P.S. Glas. Lectr.*
Hutchison, J., M.B., Ch.B. Glas., F.R.C.S.Ed. Asst.*
Sutherland, I. D., M.D. Edin., F.R.C.S.Ed. Asst.*
Murdoch, G., M.B., Ch.B., F.R.C.S.Ed. Asst.*

*Pathology**
Lendrum, A. C., M.A., B.Sc., M.D. Glas. Prof.*
Tudhope, G. R., M.B., Ch.B., M.D., Ph.D , D.P.H. Lectr.*
Goodall, H. B., M.B., Ch.B. Lectr.*
Morgan, H. G., B.Sc., M.B., Ch.B. Lectr.*
Bird, T., M.B., B.S. Durh. Lectr.*
Park, W. W., M.B., Ch.B. Edin. Lectr.*
Smith, G. H., M.D. Lectr.*
Prain, J. H., M.D. Lectr.*
Mackay, Katharine M., B.Sc. Edin. Asst.*
Stewart, W. K., M.B., Ch.B. Asst.*
Scott, D. G., M.B., Ch.B. Edin. Asst.*
Haslock, Margaret R., B.Sc. Asst.*
Robertson, M. H., M.B., Ch.B. Asst.*
Cameron, H. M., M.B., B.Ch., D.Path. Belf. Asst.*
Attwood, H. D., M.B., Ch.B. Asst.*
Gordon, T., M.B., B.Ch. Belf. Asst.*
Guthrie, W., M.B., Ch.B. Asst.*
Graham, Mrs. Frances S., M.A., M.B., Ch.B. Aberd. Demr.*
Cameron, C., M.B., Ch.B. Glas. Demr.*

*Pharmacology and Therapeutics**
Hunter, R. B., M.B., Ch.B. Edin. Prof. of Materia Medica.*
Frew, J. S., B.Sc., M.B. Ch.B., Glas. (Therapeutics) Lectr.*
Walker, W., M.A., M.B., Ch.B. (Therapeutics) Lectr.*

* At Dundee.

West, G. B., Ph.D., B.Pharm. Lond. (Pharmacol.) Lectr.*
Shepherd, D. M., B.Sc., Ph.D. (Pharmacol.) Lectr.*
Taylor, N. R. W., M.B., Ch.B. Edin. (Pharmacol.) Lectr.*
Mackenzie, J. M., M.B., Ch.B. (Therapeutics) Asst.*

*Psychology, Medical**
Uytman, J. D., M.B., Ch.B. Glas., D.P.M. Lectr.*

*Public Health and Social Medicine**
Mair, A., M.D., D.P.H. Aberd. James Mackenzie Prof.*
Wilson, W. A., M.D., D.P.H. Lond. Lectr.*
Fyfe, G. M., M.B., Ch.B., D.P.H. Aberd. (Pub. Hlth.) Lectr.*
Graham, H. A., B.Sc., M.D., F.R.C.S.Ed. Lectr.*
Weir, I. B. L., B.Sc., M.B., Ch.B., D.P.H. Glas. (Pub. Hlth.) Lectr.*
Dorward, W. F., B.Sc., M.B., Ch.B. (Community Immunization) Asst.*
Fulton, Annie A., M.D., D.P.H. (Child Welfare) Asst.*
Gerrard, Dora W., M.B., Ch.B. Edin., D.P.H. (Child Welfare) Asst.*
Dow, Agnes W., M.A., M.B., Ch.B. (Physical Educn.) Asst.*
Needham, J., F.R.I.B.A. (Town Planning) Asst.*
Harris, R., B.A. Camb. (Soc. Security) Asst.*
Machell, R. K., M.B., Ch.B., D.P.H. (Pub. Hlth.) Asst.*

*Radiology and Radiotherapy**
Grant, G. M., M.B., Ch.B. Lectr.*
Sprunt, T., M.B., Ch.B. Edin., D.M.R., F.R.C.S.Ed. Lectr.*
Swanson, W. C., M.B., Ch.B. Glas., D.M.R. Lectr.*
Riley, J. F., M.D., F.R.C.S. Ed. Lectr.*
Pickard, C., B.Sc., M.B., Ch.B. Leeds, D.M.R. Lectr.*

*Surgery**
Douglas, D. M., M.B.E., M.S. Minn., M.B., Ch.M., F.R.C.S. Eng. and Ed. Prof.*
Grieve, J., B.Sc., M.B., Ch.B., F.R.C.S.Ed. Lectr.*
Ritchie, H. D., M.A. Camb., M.B., Ch.B. Edin., F.R.C.S.Ed. Lectr.*

*Surgery, Clinical**
Douglas, Prof. D. M. Lectr.*
Brown, F. R., O.B.E., M.B., Ch.B. Edin., F.R.C.S.Ed. Lectr.*
Campbell, W. G., M.B., Ch.M., L.D.S., F.R.C.S. Lectr.*
Sturrock, G. M., M.B., Ch.B. Edin., F.R.C.S.Ed. Lectr.*
Soutar, S. F., M.B., Ch.B., F.R C.S.Ed. Lectr.*
Charleson, C., B.A., B.M., B.Ch. Oxon., F.R.C.S.Ed. Lectr.*
Kirkpatrick, E. R. G., M.B., Ch.M. Syd., F.R.C.S.Ed. Lectr.*
Kinnear, J. S., M.B., Ch.B., F.R.C.S.Ed. Lectr.*

*Tuberculosis**
McIntosh, D. G., M.B., Ch.B., D.P.H. Lectr.*
Smith, D. H., M.D. Lectr.*

*Venereal Diseases**
Keay, D. M., M.B., Ch.B., D.P.H. Lectr.*
Finnigan, Mrs. Jeannie P., M.B., Ch.B., D.P.H. Asst.*

Andrew Lang Lecturer

1954–55 — Sir Maurice Bowra, LL.D. Dub., M.A., D.Litt. Oxon., F.B.A.

Gifford Lecturer in Nat. Theol.

1954–55—Prof. C. A. Campbell, M.A. Glas., D.Lit. Belf.

* At Dundee.

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICES—*St. Andrews*: D. M. Devine, M.A. Glas., LL.B. Lond., W. W. Tweedie, B.L. Glas., G. C. Taylor, W. B. Borthwick, LL.B. Glas., M.A., Univ. Solicitor. *Dundee*: P. Cumming, M.A., LL.B. Aberd., G. N. Fraser, D. Douglas, D.S.O.

LIBRARY—*St. Andrews*: Sub-Librarian, D. MacArthur, M.A., B.Sc. Glas., F.L.A. *Dundee*: Librarian of Queen's Coll., W. M. Dickie, M.A., Ph.D. Aberd., F.L.A.; Sub-Librarian, D. W. Doughty, M.A. Camb.

APPOINTMENTS BOARD—Sec., A. Smith, M.A.

MEDICAL OFFICERS, STUDENT HEALTH SERVICE—*St. Andrews*—W. F. Mair, M.D. Edin.; *Dundee*—.....

PHYSICAL TRAINING INSTRUCTORS—*St. Andrews*—Margaret Haydock, ...; *Dundee*—Mrs. Agnes Muir, J. A. Qusklay.

ADVISERS OF STUDENTS—*St. Andrews*: in Arts, Prof. T. E. Wright, Caroline D. M. Ketelbey, A. G. Wernham, R. M. Logan; in Sci., Dr. D. Jack; Dr. J. Y. Macdonald, Dr. J. A. Macdonald; in Med., Prof. R. Walmsley. *Dundee*: in Arts, Dr. K. C. Hayens; in Sci., Prof. G. D. Preston; in Med., Prof. G. H. Bell; in Engineering, Prof. E. G. Cullwick; in Dentistry, Prof. A. D. Hitchin; in Law, B. C. Bowman.

WARDENS OF RESIDENCES—*St. Andrews*....., University Hall, Mrs. Johanna M. Graham, B.Sc.; MacIntosh Hall, Ettie S. Steele, B.Sc., Ph.D.; *Dundee*: University College Hall, G. R. Tudhope, M.D., Ph.D.; West Park Hall, Winifred M. Hackett, M.A., D.Phil. Oxon.; William Low Residence, H. Jack, M.A.

KEEPER OF MUNIMENTS—J. B. Salmond, M.A., LL.D.

GENERAL INFORMATION

The University, founded in 1411, is the oldest in Scotland. St. Salvator's College was founded in 1450 and St. Leonard's College in 1512. The third St. Andrews College, St. Mary's, founded in 1537, has, since 1579, been restricted to the teaching of Theology. In 1747 the Colleges of St. Salvator and St. Leonard were amalgamated to form the United College of St. Salvator and St. Leonard. University College, Dundee, founded in 1881, was in 1897 affiliated to the University of St. Andrews, and at the same time the Conjoint Medical School was established in Dundee. Under the University of St. Andrews Act, 1953, University College, Dundee, and the Conjoint Medical School were merged into a new College of the University subsequently named Queen's College.

CONSTITUTION. Under the University of St. Andrews Act, 1953, the University comprises three colleges, being unincorporated societies of teachers and students. The University Court is a body corporate with perpetual succession and a common seal, and all the property belonging to the University is vested in the University Court. The above Act also set up the Council of the United College of St. Salvator and St. Leonard and St. Mary's College, and the Council of Queen's College, and empowers the University Court to delegate various functions to these Councils.

LIBRARY. Approx. 400,000 printed vols. (some of 15th and 16th centuries). MSS. include fine Persian specimens and large folio Antiphonarium. College Library at Dundee. MUSEUMS at St. Andrews—Anat., Anthrop., Ethnol.,

Geol., Mineral., Nat. Hist.; at Dundee—Geol., Med., Nat. Hist. LABORATORIES at St. Andrews—in all above depts. except Med., also Chem. (with special Research lab.), Marine, Physics, Astronomy (Observatory), Physiol., Bot. Garden. At Dundee—Anat., Bact., Chem., Embryol., Engin. (Elect., Hydraulic, Mech.), Mat. Med., Maths., Nat. Hist., Pathol., Physics, Physiol.

TEACHING HOSPITALS. *Dundee*—Royal Infirmary, Maryfield Hosp., King's Cross Infectious Diseases Hosp., Westgreen Mental Hosp., Ashludie Hosp.; *Perth*—Royal Infirmary.

FACULTIES AND DEANS. *Arts*, Prof. T. E. Wright (Lat.); *Divinity*, Prof. J. H. Baxter (Eccles. Hist.); *Medicine*, Prof. G. H. Bell (Physiol.); *Science*, Prof. J. F. Allen (Phys.).

ADMISSION. *See* Appendix I.

DEGREES. M.A. Ord., B.Sc. Ord., B.Sc. Ord. in Engin., B.L., 3 yrs.; M.A. Hons., B.Sc. Hons., B.Sc. Hons. in Engin., 4 yrs.; B.D.S., 5 yrs., of which not less than 3 at the Univ., the remaining 2 at a recognized Univ. or Sch.; M.B., Ch.B., 6 yrs.; Ed.B., 2 yrs. after 1st degree; B.D., 3 yrs. after Arts degree or other recognized degree or dipl.; LL.B., 3 yrs. after Arts degree.

Courses for graduation in Arts and Science are given both in St. Salvator's Coll., St. And., and in Queen's Coll., Dundee, some being given in both places, some—Greek, Hebrew, Moral Philos., Psychol., Pol. Econ., Pol. Science, Spanish, Music—only in St. And., some—Engineering—only in Dundee; Medical, after the first two yrs. and two terms, and Dental solely, in Dundee, where facilities for clinical instruction are available. Here also are provided courses for graduation in Law (LL.B. and B.L.).

The M.A. Ordinary Degree course (3 yrs.) includes a General and a Special examn. The former, which must be completed before proceeding to the Special, comprises 5 subjects which must include (*a*) Logic *or* Moral Philos.; (*b*) Latin *or* Greek *or* Hebrew *or* Maths. and a lang. other than English, *or* 2 modern foreign langs., of which German or Arabic must be one. In the Special Examn. 2 cognate subjects must be taken, the whole examn. being passed at one time. The curriculum for the M.A. Hons. Degree extends over 4 yrs. and involves first passing the General examn. as a whole, except that candidates offering an Hons. Group in Langs. or in Maths. and Science are not required to pass more than 4 subjects in the General Examn. The Final Hons. examn. is taken at the end of the 4th yr.

The B.Sc. Ordinary degree in Pure Science involves a 3 yrs.' course, embracing at least 4 subjects with a 1st examn. (4 subjects) and a 2nd (2 subjects); the Honours degree involves an additional yr.'s course, devoted exclusively to advanced study in the Hons. subject.

Higher degrees: D.Litt., 5 yrs. after M.A. Hons., B.Phil., B.Litt., B.Sc. Hons. or Ed.B.; B.Phil., by dissertation 1 yr. after previous degree in Arts or Div.; B.Litt. by examn., either conjointly with or after the M.A. degree; D.Sc., 5 yrs. after B.Sc. Hons., or 5 yrs. after B.Sc. Ord. provided Hons. degree is passed in subject related to thesis; M.D. or Ch.M., 1 yr. after M.B., Ch.B., candidate must be at least 24; M.D.S., 2 yrs. after 1st dental degree by examn. and thesis; D.D.Sc., 5 yrs. after 1st dental qualification, which may be L.D.S. if candidate also holds degree in Fac. of Med. or Sci. of a British or approved overseas Univ. and is a member of teaching staff; Ph.D., normally 3 yrs. after 1st degree which, in exceptional cases, may be reduced to 2 yrs. The D.D. and LL.D. are honorary only.

DIPLOMAS. Education for graduates who complete the first year of the Ed.B. course; D.P.H. and D.P.D., 1-yr. courses which cannot be taken until 2 yrs. and 1 yr. respectively after attaining med. or dent. qualifcn.

FEES. Matriculation, £2 : 12s. 6d. p.a. Inclusive tuition fees for M.A., £59 : 17s. ; Hons. M.A., £79 : 16s. ; B.D., £53 : 11s. ; B.L., £44 : 2s. ; LL.B., £54 : 12s. ; B.Sc., £119 : 14s. ; B.Sc. Hons., £133 : 7s. ; B.Sc. (Engineering), £119 : 14s. ; B.Sc. Hons. (Engineering), £133 : 7s. ; M.B., Ch.B., £233 : 2s. ; B.D.S., £140 ; Ed.B., £48 : 6s. Combined Courses : M.A. and B.L., £84 ; M.A. (Hons.) and B.L., £103 : 19s. ; M.A. and LL.B., £94 : 10s. ; M.A. (Hons.) and LL.B., £114 : 9s. ; M.A. and B.Sc., £157 : 10s. ; M.A. and M.B., Ch.B., to be fixed ; M.A., B.Sc. and M.B., Ch.B., to be fixed ; B.Sc. and M.B., Ch.B., to be fixed ; D.P.D., £36 : 15s. ; D.P.H., £48. The above do not include fees for cases of labour, or laboratory fees for use of apparatus, etc. Maximum fee for Research students, 21 gs. p.a. Degree fees for M.A., B.D. or B.L., 11½ gs. ; B.Sc. or Ed.B. or LL.B., 13 gs. ; M.B., Ch.B., £38 : 17s. ; B.D.S., £30 : 9s. ; M.D., Ch.M. or D.D.Sc., 20 gs. ; D.Litt., D.Sc. or M.D.S., 15 gs. ; Ph.D., 15 gs. ; D.P.H., 16 gs. ; B.Phil. or B.Litt., 10 gs. ; D.P.D., 5 gs. Dipl. in Educn., £4 : 14s. 6d.

EXTRA-MURAL CLASSES. No extra-mural classes conducted directly by the Univ. but the Univ. is represented on a Cttee. which organizes such classes in counties of Fife, Perth, Kinross, Clackmannan and Angus and in City of Dundee.

APPOINTMENTS BOARD. The Appts. Bd. exists for the dual purpose of helping graduates to find suitable employment and advising students on careers open to them and the most suitable courses to follow with a view to entering particular employment. The Bd. has offices at 81 North St., St. Andrews (*Telephone* : 750), and 10 Park Pl., Dundee (*Telephone* : 5247).

RESIDENCE. (For Wardens *see* " Administrative and other Staff," p. 652.) For Women : *St. Andrews* (fees : from £105 per session) — University Hall, 120 students (*Telephone* : 729) ; MacIntosh Hall, 120 students (*Telephone* : 894) ; *Dundee* (fees : £95 to £103 : 10s. per session)—West Park Hall, 72 students (*Telephone* : 67169). For Men : *St. Andrews* (fees : £115 per session, except Deans Court for which rates are slightly higher)—St. Salvator's Hall, 120 students (*Telephone* : 408) ; Deans Court, 17 research students (*Telephone* : 1185) ; St. Regulus Hall, 85 students (*Telephone* : 356) ; Hepburn Hall, 25 students (*Telephone* : 885) ; Hamilton Hall, 100 students (*Telephone* : 1086). *Dundee*—University College Hall, 125 students (*Telephone* : 3396) (fees : £95 to £103 : 10s. per session) ; William Low Residence, 34 students (*Telephone* : 2719), for medical students during clinical studies (fees : £98 : 10s. to £103 : 10s. per session). In each case the charge for Residence is exclusive of tuition fees.

UNIVERSITY TRAINING CORPS. (T.A.) Established 1908 as O.T.C. ; reorganized 1948. Units : Infantry, Signals, Medical, Intelligence, W.R.A.C. H.Q. : 16 Park Wynd, Dundee (*Telephone* : 3571) ; St. Andrews—Units : 49 North St., St. Andrews (*Telephone* : 667). UNIVERSITY AIR SQUADRON. Full course of trg. both flying and ground, conducted by fully qualified R.A.F. instrs. H.Q. : 83 North St., St. Andrews (*Telephone* : 939). ROYAL NAVAL VOLUNTEER RESERVE, Tay Division (H.M.S. *Cressy*, Dundee). Students carry out 3 wks.' trg. at sea during vacation. Women students may enrol in the W.R.N.S., Tay Division, R.N.V.R.

STUDENT HEALTH SERVICE. Medical Officers are in attendance at St. Andrews and Dundee and the Service can be utilized without charge by all matriculated students. A routine medical examn. (including X-ray of the chest) is optional and is carried out only at the student's own request. Consulting Rooms : Kennedy Hall, St. Andrews, and 5 Airlie Pl., Dundee.

ATHLETIC UNION. The Athletic Union is a federal body for co-ordination of all student athletic activities. In both St. Andrews and Dundee there are extensive playing-fields laid out for all the major field sports, and also well-equipped gymnasia. There are Dirs. of Physical Trg. for men and women students both in St. Andrews and Dundee.

STUDENTS' UNIONS. In St. Andrews and Dundee, Unions for both men and women students adjoin the Coll. bldgs. In addition to usual club facilities, the Unions provide lunches at low cost.

An ALUMNUS ASSOCIATION was founded in 1926. Alumnus Clubs exist in London, Birmingham, Edinburgh, Glasgow, Johannesburg, Yorkshire, Roxburgh, Manchester, Aberdeen, Toronto and Rhodesia. Information may be obtained from the Secretary, Alumnus Association, The University, St. Andrews.

PUBLICATIONS. *Calendar* (Sept.), 12s. 6d.; Alumnus Association's *Chronicle* (half-yrly.); Students' Representative Council's *College Echoes*. Histories: *A Short History of the University of St. Andrews*, by R. G. Cant (Oliver and Boyd, 1946); *The College of St. Salvator*, R. G. Cant (Oliver and Boyd, 1950).

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. Nuffield Foundation, £5600 over 3 yrs. for res. in comparative endocrinol.; Ministry of Supply, £2188 for res. in Dept. of Chem., Univ. Coll.; St. Andrews Med. grads. in U.S.A., $3150 to institute prize in Fac. of Med. in memory of Principal Sir James Irvine; Rockefeller Foundation, $4000 towards purchase of equipment in Dept. of Zool., United Coll.; Wellcome Trust, salary of res. asst. in Pharmacol. for 2 yrs.; Med. Res. Council, £550 to Dept. of Physiol., Univ. Coll.; Agric. Res. Council, £524 to Dept. of Physiol. in United Coll. and £512 to Dept. of Physiol. in Univ. Coll.; I.C.I., grants of £350 and £300 for res. in Dept. of Chem., United Coll.

NEW BUILDINGS. Administrative Offices in St. Andrews.

EXTRA-MURAL CLASSES. Number of Students attending courses of lectures (Adult Educ.), 1142.

RETIREMENTS. Prof. H. J. Rose (Greek); J. Forrest (Phys.).

RESIGNATIONS. Prof. T. M. Knox (Moral Philos.), apptd. Principal of Univ.; N. Gash (Hist.); Peggie M. Hobson (Geog.); G. C. Moodie (Pol. Sci.); A. H. Wallace (Maths.); H. J. C. Gibson (Hist. of Med.); F. A. Leeming (Geog.); A. J. White (Chem.); Doreen M. Tulloch (Moral Phil.).

DEATH. J. A. Cuthbert (Pub. Health).

HONORARY DEGREES. *D.D.*—Rev. A. Fjelbu, Bishop of Nidaros; Rev. G. P. Gilmour, Pres. and Vice-Chancellor, McMaster Univ.; Rev. A. R. Taylor, formerly Minister of Ruthrieston West Church, Aberdeen; Rev. S. M. Watts, Minister of Union Church, Mill Hill, London. *LL.D.*—T. S. R. Boase, Pres. of Magdalen Coll., Oxon.; Prof. J. C. Brash, Prof. of Anat., Univ. of Edin.; T. S. Eliot, Poet; H. W. Harris, former Editor of *Spectator*; Admiral Sir Rhoderick McGrigor; W. A. Mackintosh, Prin. and Vice-Chancellor of Queen's Univ., Canada; The Rt. Hon. W. S. Morrison, Speaker of House of Commons; The Rt. Hon. The Marquess of Salisbury, Leader of House of Lords; Sir John Simonsen, formerly Dir. of Colonial Products Res.; Earl of Wemyss, Chairman of Council, National Trust for Scotland.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	1070	118
Women	627	48
Total	1697	166

Postgraduate students, 198.

New admissions (full-time graduating), 380.

Students from other countries, 130. (Countries from which largest numbers came: U.S.A., 25; Norway, 13; Nigeria, 11; Kenya, 7; Canada, 5; Germany, 5.)

Numbers of students in the various Colleges of the Univ.:

	Men	*Women*
United Coll., St. Andrews	572	505
St. Mary's Coll., St. Andrews	43	1
Senior Medical and Dent. Sch., Dundee	158	54
University Coll., Dundee	415	115
	1188	675

DEGREES AWARDED. *Arts*: Ph.D., 2; M.A., 162; *Div.*: Ph.D., 3; B.D., 2; *Dent.*: B.D.S., 1; *Educn.*: Ed.B., 7; *Law*: LL.B., 4; B.L., 6; *Med.*: Ph.D., 1; M.D., 3; M.B., Ch.B., 23; *Sci.*: D.Sc., 1; Ph.D., 13; B.Sc., 92. Hons. granted subsequent to graduation: Arts 32; Science, 39.

DIPLOMAS. Dipl. in Dent. Surg., 10; Dipl. in Educn., 42; Dipl. in Pub. Health, 2.

[*Information compiled as at* 24/5/54 ;
Staff list revised on 15/10/54.]

THE QUEEN'S UNIVERSITY OF BELFAST*

Established by Charter 1908 ; founded as Queen's College 1845

Telegrams and Cables : University, Belfast, Northern Ireland.
Telephone : Belfast 30111.

VISITOR—H.M. THE QUEEN.

CHANCELLOR—Field-Marshal THE VISCOUNT ALANBROOKE, K.G., G.C.B., O.M., G.C.V.O., D.S.O., LL.D.

PRO-CHANCELLORS—The Rt. Hon. LORD MACDERMOTT OF BELMONT, M.C., LL.D., Lord Chief Justice of N. Ireland ; Brigadier JOHN A. SINTON, V.C., O.B.E., M.D., B.Ch., D.Sc., F.R.S.

PRESIDENT AND VICE-CHANCELLOR—E. ASHBY, D.Sc. Lond., Sc.D. Dub., D.I.C., F.L.S.

REPRESENTATIVES IN PARLIAMENT—

NORTHERN IRELAND—EILEEN M. HICKEY, B.Sc., M.D., D.P.H., F.R.C.P.I. ; S. T. IRWIN, C.B.E., B.A., M.B., B.A.O., M.Ch., F.R.C.S.Ed., D.L. ; FREDERIC T. LLOYD-DODD, O.B.E., M.A., D.Sc. ; BESSIE H. MACONACHIE, B.A., H.Dip.Ed.

REGISTRAR—THOMAS ALAN SINCLAIR, M.A. Camb.

HONORARY TREASURER—WALTER R. KNOX.

LIBRARIAN—J. J. GRANEEK, M.A. Birm.

SECRETARY—G. R. COWIE, M.A., LL.B. Aberd.

BURSAR—G. D. BURLAND, B.A., B.Comm. Dub.

CHAIRMAN OF CONVOCATION—S. T. IRWIN, C.B.E., D.L., B.A., M.Ch., F.R.C.S., M.P.

TEACHING STAFF

Accounting, v. Economics

Agriculture, v. *infra*

Anatomy

Pritchard, J. J., B.Sc. Adel., M.A., B.Ch., D.M. Oxon. Prof.

Morton, W. R. M., M.A. Camb., B.Sc., M.D. (Embryol.). Sr. Lectr.

Lecturers

Scott, J. H., B.Sc., M.D., L.D.S. (Anat. for Dental Students).

* Member of the Association of Universities of the British Commonwealth.

Harrison, T. J., M.D.
Vincent, S. A., M.B., F.R.C.S. Pt.-time Lectr.
2 Asst. Lectrs., 3 Pt.-time Demrs.

Ancient History
Atkinson, Mrs. Kathleen M. T., M.A. Oxon. Reader.
1 Asst. Lectr.

Archæology
Jope, E. M., M.A., B.Sc. Oxon., F.S.A. Reader.
1 Res. Asst.

Biochemistry
Harrison, D. C., D.Sc. Lond., Ph.D. Camb. J. C. White Prof.
Malpress, F. H., B.A. Oxon., Ph.D. R'dg. Reader.
Leslie, I., B.Sc. Aberd., Ph.D. Glas. J. C. White Lectr.
Redfearn, E. R., B.Sc. Liv. Lectr.
1 Asst. Lectr., 1 Res. Asst.

Botany
Harrison, J. H., M.Sc. Durh., Ph.D. Prof.
Simon, E. W., M.A., D.Phil. Oxon. Lectr.
Parker, R. E., B.Sc. (For.), B.Sc. Wales Lectr.
Smith, A. G., B.Sc. Sheff. Sr. Res. Officer.
Morrison, M. S., B.Sc. Jr. Res. Officer.
Kertland, Mary P. H., M.Sc. Curator of Herbarium.
2 Asst. Lectrs., 1 Res. Asst.

Celtic
..... Prof.
Arthurs, J. B., M.A. Sr. Lectr.
McCann, F., M.A., Ph.D. Temp. Lectr.
1 Res. Asst.

Chemistry
Kemball, C., M.A., Ph.D. Camb. (Phys. or Inorg.) Prof.
Raphael, R.A., B.Sc., Ph.D., D.Sc. Lond. (Org.) Prof.
Pink, R. C., D.Sc. Reader.
Wilson, C. L., Ph.D. Glas., M.Sc., F.R.I.C. (Micro-chem.) Reader.
Bacon, R. G. R., B.Sc., Ph.D. Lond., D.I.C. Sr. Lectr.
Mackle, H., D.Phil. Oxon., M.Sc., Ph.D. Lectr.
Pinder, A. R., B.Sc., Ph.D. Sheff., D.Phil. Oxon. Lectr.
Heal, H. G., B.Sc., Ph.D. Lond. Lectr.
Woodward, Ida, M.A. Oxon. Temp. Res. Lectr.
7 Asst. Lectrs.

Classics: Greek
Sinclair, T. A., M.A. Camb. Prof.
Phillips, E. D., M.A. Oxon. Lectr.

Classics: Latin
Boyd, M. J., M.A. Oxon., B.A. Prof.
Bower, E. W., M.A. Oxon. Lectr.
Smallwood, Edith M., M.A., Ph.D. Camb. Lectr.
1 Asst. Lectr.

Dentistry, v. *infra*

Economic History
Connell, K. H., B.Sc. (Econ.), Ph.D. Lond., M.A. Oxon. Sr. Lectr.

Economics
Isles, K. S., M.A., M.Sc. Camb. Prof.
Carter, C. F., M.A. Camb. (Appl. E.) Prof.
Cuthbert, N., M.A., B.Com.Sc. (Stats.). Sr. Lectr.

Lecturers
Black, R. D. C., M.A., B.Comm., Ph.D. Dub.
Egerton, R. A. D., B.A. Melb.
Robson, P., M.Sc. Lond.
Montgomery, J. K., B.Com.Sc., F.C.A. (Accounting) Pt.-time Lectr.
2 Asst. Lectrs., 1 Res. Asst.

Education
Knox, H. M., M.A., Ed.B., Ph.D. Edin. Prof.

Sutherland, Margaret B., M.A., Ed.B. Glas. Lectr.
Wrigley, J., B.Sc., M.Ed. Manc. Lectr.
1 Asst. Lectr.

Engineering, Civil
Naylor, A. H., M.Sc. Birm., B.Sc. (Eng.) Lond. Prof.
Finnan, E. J., M.Sc. Sr. Lectr.

Lecturers
Sidwell, E. H., M.Sc.
Godden, W. G., M.Sc , Ph.D.
McDowell, D. M., B.Sc., Ph.D. St. And. (Hydraulics).
Stuart, J. G., B.Sc. Wales (Soil Mech.).
Crone, D. R., C.I.E., O.B.E. (Surv.) Lectr.
2 Asst. Lectrs.

English Language and Literature
Baxter, F. W., M.A. Oxon. Prof.
..... Prof.
McDiarmid, M. P., M.A. Glas., B.Litt. Oxon. Sr. Lectr.
Braidwood, J., M.A. Glas. Lectr.
Carnall, G. D., M.A. Oxon. Lectr.
1 Asst. Lectr.

French and Romance Philology
Bisson, L. A., M.A., D.Litt. Oxon., Dr. de l'U. Bordeaux Prof.
Godin, H. J. G., B.A. Lond., L. ès L. Lille, M.A., Ph.D. Sr. Lectr.

Lecturers
Japolsky, L., M.A., B.Litt. Oxon.
Nurse, P. H., B.A. Oxon.
Davies, J. C., B.A. Syd., D. de l'U. Paris, Dip.Ed. Syd.
1 Asst. Lectr., 2 Lecteurs.

French, Mediæval
Pelan, Margaret McL., Dr. de l'U. Stras., M.A., Ph.D. Reader.
..... Lectr.

Geography
Evans, E. E., M.A. Wales, D.Sc. Prof.

Lecturers
Jones, E., M.Sc., Ph.D. Wales
Stephens, N., B.Sc. Brist., M.Sc.
Ford, V. C. R., M.A. Lond.
1 Asst. Lectr., 1 Res. Asst.

Geology
Williams, A., B.Sc., Ph.D. Wales Prof.
Preston, J., B.Sc. (Tech.), B.Sc. Manc. Lectr.
Schwarzacher, W., Ph.D. Lectr.
2 Asst. Lectr.

German
Hinderks, H. E., M.A. Hamburg, D.Phil. Basle Prof.
Finch, R. G., M.A. Wales. Lectr.
1 Asst. Lectr., 1 Lektor.

Histology
Strangeways, Dorothy H., M.A. Camb., Ph.D. Leeds. Sr. Lectr.

History
Roberts, M., M.A., D.Phil. Oxon. Prof.
Beckett, J. C., M.A. Reader.

Lecturers
Gray, J. W., M.A. Oxon.
Graham, A. H., M.A. Glas.
Crowder, C. M. D., M.A., D.Phil. Oxon. (Palaeog. and Diplomatic)
1 Asst. Lectr., 2 Res. Assts.

History, Ancient, v. Anc. Hist.

History, Economic, v. Economic History

Jurisprudence
Newark, F. H., B.C.L., M.A. Oxon. Prof.

Law
Montrose, J. L., LL.B. Lond. Prof.
Edwards, J. L. J., M.A., Ph.D. Camb., LL.B. Wales Reader.

Lecturers
Williams, D. C., M.A., LL.B. Camb.

Sheridan, L. A., LL.B., Ph.D. Lond.

Part-time Lecturers

Conaghan, R. H., B.A.
Clarke, G. D., LL.B.
1 Asst. Lectr.

Mathematics, Applied

Bates, D. R., D.Sc. Lond., M.Sc. Prof.

Lecturers

Herivel, J. W. J., B.A. Camb.
Dalgarno, A., B.Sc., Ph.D. Lond.
Moiseiwitsch, B. L., B.Sc., Ph.D. (Supernumerary)

Mathematics, Pure

Verblunsky, S., B.A., Ph.D. Camb. Prof.
Cooper, R. H., M.A., Ph.D. Camb. Reader.

Lecturers

Henstock, R., M.A., Ph.D. Lond.
Dennis, S. C. R., B.Sc., Ph.D. Lond. (Engin. Maths.)
Williamson, J. H., M.A. Edin., Ph.D. Camb.
Adamson, I. T. A. C., B.Sc. St. And., A.M., Ph.D. Prin.
Schneider, H., M.A., Ph.D. Edin.
2 Asst. Lectrs.

Music

Cranmer, P., M.A., B.Mus. Oxon., F.R.C.O. Hamilton Harty Prof.
John, E. B., M.A., M.Mus. Wales, F.R.C.O. Lectr.
..... Lectr.

Philosophy

Gallie, W. B., M.A., B.Litt. Oxon. Prof.
Faris, J. A., M.A., B.Litt. Oxon. (Philos.) Lectr.

Philosophy, Moral, and History of Philosophy

Davie, G. E., M.A., D.Litt. Edin. Sr. Lectr.
1 Asst. lectr.

Philosophy, Scholastic

Lecturers

Crowley, Rev. T., D.Ph., Lic. Sc. Hist., Maître Agrégé en Philosophie Louvain. Reader.
Daly, Very Rev. C. B., D.D. Maynooth, M.A. Lectr.

Philosophy, Social

Macbeath, A., M.A., LL.D. Glas. Temp. Lectr.

Physics

Emeleus, K. G., M.A., Ph.D. Camb. Prof.
Sloane, R. H., D.Sc. Reader.
Watt, C. S., Ph.D. Lectr.
Bransden, B. H., B.Sc., Ph.D. Lond. Lectr.
Gibson, W. M., M.A., Ph.D. Camb. Lectr.
Armstrong, E. B., B.Sc., Ph.D. Lectr.
1 Res. Asst., 8 Asst. Lectrs.

Physiology

Greenfield, A. D. M., M.B., B.S., D.Sc. Lond. Dunville Prof.
Shepherd, J. T., M.B., M.Ch. Reader.
Loughridge, J. S., M.D., F.R.C.S. Pt.-time Lectr.
Whelan, R. F., M.D. (For Dental Students) Lectr.
..... Lectr.
3 Asst. Lectrs.

Political Science

Lemberger, J., M.A. Oxon. Sr. Lectr.

Psychology

Seth, G., M.A., B.Ed., Ph.D. Edin. Sr. Lectr.
McEwen, P., B.Sc. Edin. Lectr.
Drewery, J., M.A. Aberd. Lectr.
1 Asst. Lectr.

Social Studies

Neill, D. G., M.A. Dub. Sr. Lectr. and Dir.

Lofts, D., B.A. Oxon. Lectr.
Lynd, Kathleen, P., B.Sc. (Practical Work Tutor)
McIlreavey, F., B.Com.Sc. Pt.-time Tutor.
Gilmore, Mrs. Mary J., B.A. Pt.-time Asst. Tutor.
MacMillan, M. Patricia Pt.-time Asst. Tutor.
1 Res. Asst.

Spanish

Llubera, I. M. G., M.A., D.Litt. Madrid Musgrave Prof.
Tate, R. B., M.A. Lectr.
Terry, A. H., B.A. Camb. Supernumerary Lectr.

Technology, v. *infra*

Zoology

Gresson, R. A. R., D.Sc. Edin., Ph.D. St. And. Prof.
Williams, G., M.Sc. Liv. Lectr.
Lowy, J., B.A., Ph.D. Camb. (Exper. Zool.) Lectr.
Gotto, R. V., M.Sc. Lectr.
2 Asst. Lectrs., 1 Museum Asst. (Pt.-time), 1 Res. Asst.

Agriculture

Agr. Botany

Linehan, P. A., D.Sc. N.U.I., M.Agr. Prof.

Assistant Lecturers

Dales, Mrs. Helen, M.A., B.Sc. Edin.
Lowe, J., M.Agr.
Stewart, R. H., B.Agr.

Agr. Chemistry

Baskett, R. G., O.B.E., M.Sc. R'dg. Prof.
Houston, J., D.Sc. Reader.

Lecturers

Robinson, K. L., B.Sc., B.Agr.
McConaghy, S., B.Sc., M.Agr.

Assistant Lecturers

McAllister, J. S. V., D.F.C., D.F.M., B.Agr.
Brown, W. O., B.Sc., M.Agr.
Jordan, J. W., B.Agr.

Agr. Economics

Liversage, V., B.Sc. (Agr.) Lond., M.Sc. (Econ.) Sr. Lectr.
McWhinney, J. L., B.Sc., N.U.I. Asst. Lectr.

Agr. Zoology

Chamberlain, R., B.A., Dip.Agr. Camb. Reader.
Willis, R. J., B.Sc. Asst. Lectr.
Edwards, A. R., B.Sc. Edin. Asst. Lectr.

Agriculture, Bacteriology of

Clerkin, P., B.Sc., B.Agr.Sc. N.U.I. Sr. Lectr.

Assistant Lecturers

Knowles, N. R., M.Sc. R'dg.
Murray, J. G., M.Agr.
Patton, J., B.Agr.

Comparative Pathology

Lamont, H. G., O.B.E., D.Sc. Prof.

Crop and Animal Husbandry

Morrison, J., B.Sc. Aberd. Prof.
Hale, R. W., B.Sc. (Agr.) Lond. Lectr.
Coey, W. E., M.A. Camb., M.Agr. Asst. Lectr.

Mycology and Plant Pathology

Muskett, A. E., D.Sc. Lond. Prof.
Colhoun, J., Ph.D. Lond., B.Sc., M.Agr., D.I.C. Reader.
Taylor, J. C., B.Sc., B.Agr. Lectr.

Assistant Lecturers

McCreary, C. W. R., M.Sc.
Calvert, E. L., M.Agr.

Plant Genetics and Plant Breeding

Wilson, E. V. B., B.Sc. Sr. Lectr.
Hodges, D. J., B.Agr. Asst. Lectr.
Wright, C. E., B.Sc., B.Agr. Asst. Lectr.

Veterinary Science

Kerr, W. R., B.Sc. Edin., Ph.D., D.V.S.M. Reader.

Assistant Lecturers

Pearson, J. K. L., Ph.D.
Luke, D., Ph.D.
Gordon, W. A. M.
Gracey, J. F.

Arts

Extra-Mural staff at Magee University College, Londonderry :—

Economics

Meredith, H. O., O.B.E., M.A., M.Com. Recog. T.

English Literature

Marshall, R. L., M.A., LL.D. N.U.I. Recog. T.
Knowland, A. S., M.A. Oxon. Recog. T.

French

Cohn, N., M.A. Oxon. Recog. T.
Vernet, A. R., B.A. Dub. Recog. T.

Geography

McCourt, D., M.A., Ph.D. Recog. T.

German

Cohn, N., M.A. Oxon. Recog. T.
Edwards, O. H., Ph.D. Bonn, M.A. Recog. T.

History

McCracken, J. L., M.A., Ph.D. Recog. T.
Brown, J., M.A. Dub. Recog. T.

Latin and Greek

Finnegan, T., M.A. Camb., B.A. Recog. T.
Ussher, R. G., B.A. Dub. Recog. T.
Lelievre, F. J., M.A. Camb. Recog. T.

Logic and Philosophy

Robinson, T. H., M.A., B.D. Dub. Recog. T.
Nicholl, H. F., M.A. Dub. Recog. T.

Mathematics, Pure and Applied

Guthrie, W. G., M.A. Edin., Ph.D. St. And. Recog. T.
Burgess, D. C. J., M.A., Ph.D. Camb., B.Sc. Recog. T.

Economics

Extra-Mural staff at Munic. Coll. of Technol. :—

Commercial Law

Boyd, W. E., LL.B. Temp. Recog. T.

French

Astle, E. W. B., M.A. Recog. T.

Medicine

(for pre-clinical subjects, v. *supra*)

Anæsthetics

..... Lectr.
1 Principal Tutor.

Bacteriology

Dick, G. W. A., M.D., B.Sc. Edin. Prof.
..... Lectr.
Bartley, Eileen O., M.D., D.P.H. Lectr.
2 Asst. Lectrs.

Child Health

Allen, F. M. B., M.D., F.R.C.P. Nuffield Prof.
Fisher, O. D., M.B., B.S., D.C.H. Lond. Lectr.
1 Principal Tutor, 1 Sr. Tutor, 4 Jr. Tutors.

Dentistry

Stoy, P. J., B.D.S. Birm., F.D.S.R.C.S. Prof.
McKeag, H. T. A., B.A., B.Dent.Sc. Dub., F.D.S.R.C.S. (Orthod.). Reader.

Lecturers

Smith, R. J., B.D.S. Birm. (Operative Dent. Surg.).

. . . . . (Properties of Dent. Materials).

Saunsbury, P., M.Sc. Manc. (Prosthetics and Mechanics).

Prophet, A. S., D.D.S. Manc. (Dent. Surg.).

Part-time Lecturers

Porter, D. C., M.D. (Dent. Radiol.).

Brown, W. M., M.D., D.P.H. (Anæsthetics).

Megaw, J. McI., M.B., F.R.C.S.Ed. (Surg. for Dent. Students).

Strain, R. W. M., B.Sc., M.D. (Med. for Dent. Students).

Cullen, P. M. (D. Mat. Med.).

4 Tutors.

Dermatology

McCaw, I. H., M.D. Pt.-time Lectr.

Health Services

Boyd, J., M.A., M.D., D.P.H., F.R.C.P.I. Pt.-time Lectr.

Infectious Diseases

Kane, F. F., M.D., D.P.H., F.R.C.P.I. Pt.-time Lectr.

Materia Medica and Therapeutics

Part-time Lecturers

Cronhelm, H. J., M.D.

Pantridge, J. F., M.C., M.D.

Medicine

Bull, G. M., M.D. Cape T., F.R.C.P. Prof.

Womersley, R. A., M.A., M.B. Camb. Lectr.

4 Clin. Lectrs., 1 Principal Tutor, 1 Sr. Tutor, 4 Jr. Tutors, 1 Pt.-time Asst., 1 Res. Asst.

Medicine, Forensic

Smiley, J. A., M.D. Pt.-time Lectr.

Medicine, Social and Preventive

Stevenson, A. C., B.Sc., M.D. Glas., D.P.H. Lond. Prof.

Cheeseman, E. A., B.Sc. (Econ.), Ph.D. Lond. (Med. Stats.) Reader.

Lecturer

Blair, E. Maud McV., M.Sc., Ph.D. (Public Health Chem.).

Backett, E. M., B.Sc., M.B., B.S. (Prev. Med.).

2 Almoners, 1 Asst. Lectr.

Midwifery and Gynæcology

Macafee, C. H. G., M.B., F.R.C.S. Eng. and I., F.R.C.O.G. Prof.

Bancroft-Livingston, G., M.D. Lond., F.R.C.S. Lectr.

Boyd, G., M.B., F.R.C.S.Ed. Pt.-time Lectr.

4 Clinical Lectrs., 1 Principal Tutor, 2 Sr. Tutors, 4 Jr. Tutors.

Ophthalmology

Wheeler, J. R., M.B., D.L.O., D.O.M.S., F.R.C.S.Ed. Pt.-time Lectr.

4 Clinical Lectrs.

Oto-Laryngology

MacLaughlin, F. A., M.B., F.R.C.S. Pt.-time Lectr.

Pathology

Biggart, J. H., C.B.E., D.Sc., M.D. Dir. of Inst. of Pathol.; Musgrave Prof.

McKeown, Elizabeth F., M.D. (Morbid Anat.). Reader.

Gibson, J. B., M.D. Edin. Lectr.

McCaughey, W. T. E., M.B. (App. Path.). Temp. Lectr.

Malone, R. G. S., M.B. (App. Path.) Temp. Lectr.

4 Asst. Lectrs.

Pharmacology

Mayrs, E. B. C., M.D., D.P.H. Prof.

1 Asst. Lectr., 2 Pt.-time Asst. Lectrs., 2 Tutors.

Psychiatry

..... Prof.

Public Health (Administration)

Swann, W. G., B.Sc. Lond., M.D., D.P.H. Pt.-time Lectr.

Radiology

Montgomery, F. P., M.C., M.B., D.M.R.E., F.F.R. Pt.-time Lectr.

Surgery

Rodgers, H. W., O.B.E., M.B. Lond., F.R.C.S. Prof.

Welbourn, R. B., M.A., M.D., B.Chir. Camb., F.R.C.S. Lectr.

4 Clinical Lectrs., 1 Principal Tutor, 1 Sr. Tutor, 4 Jr. Tutors.

Surgery, Oper., and Applied Anat.

Lavery, M. B., M.B., M.Sc., F.R.C.S. Pt.-time Lectr.

Tuberculosis

Clarke, B. R., M.D. Pt.-time Lectr.

Technology

(v. also Agr., and Eng., Civil)

Extra-Mural staff (Hon.), being Profs., Lectrs. and Recognized Teachers (Recog. T.) at the Munic. Coll. of Technol. as under :—

Architecture, Naval

Cameron, R. R. G., B.Sc. Recog. T.

West, B. L. Recog. T.

Botany

McCourt, G. H., M.Sc. Recog. T.

Chemical Technology

Lecturers

Crawford, M., Ph.D. Munich, M.Sc.

.....

Chemistry

Hughes, Kathleen H., B.A. Dub., M.Sc. Lectr.

Porter, J. W., M.Sc. Dub., F.R.I.C. Lectr.

Barry, Ruth J. W., M.Sc. Recog. T.

Tyrrall, E., M.Sc. Manc. Recog. T.

Blair, H. S., B.Sc. Temp Recog. T.

Commercial Law

Boyd, W. E., LL.B. Temp. Recog. T.

Electrical Engineering

Burns, P. L., M.Sc. Manc. Prof.

Allen, T. P., M.Sc. Lectr.

Recognized Teachers

McIlhagger, D. S., M.Sc., Ph.D.

Gillies, J. F., B.E., B.Sc. (Eng.), Ph.D.

McBride, J. M. W., B.Sc.

Bromley, A. A., M.Sc.

Fitton, J., B.Sc. Manc., M.Sc.

MacNeill, N. J., M.Sc.

Girvan, S. B., B.Sc.

Engines, Heat, and Practice of Machine Des. and Construcn.

Recognized Teachers

Craig, F. V.

Newel, D. G., B.Sc.

Hosford, D. F., B.Sc. (Temp.)

Jennings, R.

Harvey, G. R.

French

Astle, E. W. B., M.A. Recog. T.

Mathematics, Pure

Griffith, L., B.Sc. (Eng.), M.A. Lond. Lectr.

Davies, A. L., M.A. Sheff. Lectr.

O'Neill, F. R., B.A. Recog. T.

Scott, S. A., M.A. Recog. T.

Mechanical Engineering

Warnock, F. V., M.Sc., Ph.D., F.R.C.Sc.I. Prof.

Lecturers

Gilchrist, J. M., M.Sc.
Goligher, T. E., B.Sc., D.I.C.
Kerr, W. F. K., M.Sc.

Recognized Teachers

Taggart, R., B.Sc.
Hewitt, W. P., B.Sc.
Sloan, J., M.Sc.

Microbiology

Heatley, Mrs. Patricia, B.A. Recog. T.

Pharmacy, Pharmaceutics and Pharmacognosy

Young, C. W. Lectr.
Shaw, J. A. M., B.Sc. Recog. T.

Physics

Crowley, T. A., B.Sc. Lond., Ph.D. Lectr.
Fitton, J., B.Sc. Manc., M.Sc. Recog. T.
France, R. W., M.Sc., Ph.D. Sheff. Recog. T.

Physiology

Glass, G. M., M.B. Temp. Recog. T.

Strength of Materials and Theory of Structures

Zachary, R.A., B.Sc. Temp. Recog. T.

Textile Chemistry

Skelly, J. K., M.Sc. Recog. T.

Textiles

Dorman, H. J., M.Sc. Lectr.
Pringle, A. V. Recog. T.
Silcock, M. Recog. T.

Workshop Practice

McClenaghan, T. Recog. T.

Zoology

Rosborough, T. U., B.Sc. Recog. T.

Theology

(i) Extra-Mural staff (Hon.), being Recognized Teachers of the Assembly's Coll. of the Presbyterian Coll. in Ireland :—

Ecclesiastical Hist. and Symbolics

Watt, Rev. H., M.A., D.D., D.Litt. Recog. T.

Hebrew and O.T. Theology

Wilson, Rev. R. J., M.A. N.U.I., B D. Lond. Recog. T.

Hebrew, Biblical Theology, Hellenistic and N.T. Greek

Davey, Rev. J. E., M.A. Camb., D.D. St. And. and Edin. Recog. T.

N.T. and Hellenistic Greek, Biblical Theology

Best, Rev. E., M.A., B.D., Ph.D. Recog. T.

Philosophy of Religion, History of Christian Doctrine, Christian Ethics, Symbolics

Haire, Rev. J. L. M., M.A. Oxon., B.D., M.Th. Lond., B.D. Recog. T.

(ii) Extra-Mural staff, being members of staff of Edgehill Theological College :—

Biblical Theol., Philos. of Religion, Christian Ethics

Northridge, Rev. W. L., M.A., Ph.D., B.D., M.Th. Lond. Recog. T.

Hebrew and Old Testament

Greenwood, Rev. R., B.A., B.D. Dub. Recog. T.

New Testament, Hellenistic ; and New Testament, Greek

Ker, Rev. R. E., M.A. Recog. T.

Extra-Mural Studies and Adult Education

Semple, R. H., M.A. Camb. Dir. of Extra-Mural Studies Reader.

Staff Tutors

Whitford, F. J., B.A. Dub., B.Sc. (Econ.) Lond.

Frey, J., B.A.

Arnold, D., B.Mus., M.A. Sheff.

Lawrence, R. J., B.Sc.(Econ.) Lond.

Lerner, L. D., M.A. Cape T. and Camb.

Daveney, T. F., B.A. Lond.

1 Asst. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Academic Council, Sec.: Prof. F. H. Newark, B.C.L., M.A. Asst. Sec.: R. H. Cooper, M.A., Ph.D. Sec. of Matricn. Cttee.: E. W. Bower, M.A. Sr. Asst. Sec., Clerk of Admissions, Clerk of Examns., Clerk of Convocation: J. M. Freeland, B.Sc., B.Com.Sc. Asst. Bursar: R. J. Brown, LL.B. Second Asst. Sec.: P. N. Anderson. Sec. of Fac. of Med.: R. S. Johnston, M.B., D.P.H. Asst. Librarians: P. A. Larkin, M.A. Oxon., Alice K. Megaw, B.A., F.L.A., Jessie B. Webster, M.A., Frieda Brown, B.A. Medical Officer in Charge of Students' Health: W. Johnston, M.D. Bldgs. Officer: A. Forrester. Dir. of Phys. Educn. Centre: A. McDonald. Manageress of Dining Halls: Catherine E. H. Bruce. Organist: Prof. P. Cranmer, M.A., B.Mus., F.R.C.O.

RECOGNIZED COLLEGES AND TEACHERS

EDGEHILL THEOLOGICAL COLLEGE, Lennoxvale, Belfast. (*Telephone*: Belfast 677111.) Principal—Rev. W. L. Northridge, M.A., Ph.D., B.D., M.Th. Lond. The College is recognized for courses leading to B.D. *See also* p. 665.

MAGEE UNIVERSITY COLLEGE, Londonderry. (*Telephone*: Londonderry 2145.) President—T. Finnegan, M.A. Camb., B.A. The Coll. is recognized for first courses, not exceeding 3, in certain subjects leading to B.A. *See also* p. 662.

MUNICIPAL COLLEGE OF TECHNOLOGY, College Sq., Belfast. (*Telegraphic and Cable Address*: Technical College, Belfast. *Telephone*: Belfast 23896.) Principal—D. H. Alexander, O.B.E., M.Sc. Camb. The complete course for the B.Sc. in Textile Technol., Naval Archit., Pharmaceutics and Chem. Technol. may be taken at this Coll. Dean of Fac. of Appl. Sci. and Technol.: Prof. A. H. Naylor. *See also* pp. 662, 664.

PRESBYTERIAN COLLEGE (ASSEMBLY'S COLLEGE), Botanic Ave., Belfast. (*Telegraphic and Cable Address*: Assembly's College, Belfast. *Telephone*: Belfast 24761. Principal—Rev. J. E. Davey, M.A., D.D. The complete course for the B.D. may be taken at this Coll. Dean of Fac. of Theol.: Prof. T. A. Sinclair. *See also* p. 665.

GENERAL INFORMATION

Queen's College was established by Royal Charter in 1845, opened in Nov. 1849, and linked with Colleges at Cork and Galway as the Queen's University in Ireland in 1850. Originally there were three Faculties, Arts (with Science and Literary divisions), Medicine and Law. In 1879 Queen's College became a constituent coll. of the Royal University of Ireland. The governing body was the purely academic College Council. At the turn of the century private benefactions led to increased bldgs. and addtl. staff. In 1908 the College became the Queen's University of Belfast. The Senate became the governing body, consisting of representatives of the public life of Ulster, of the Professors

and of graduates. The identification of the new Univ. with the interests of Ulster became closer on the establishment in 1920 of the Govt. of Northern Ireland from which the Univ.'s income is largely derived on the advice since 1945 of the University Grants Committee whose help has been made available. This identification of interest is evidenced by the new Facs. which were created, namely: in 1910 Science and Economics; in 1921 Appl. Science and Technol. with the co-operation of the Belfast College of Technology; in 1924 Agriculture, whose work is co-ordinated with that of the Ministry of Agriculture for N. Ireland; and in 1926 the Faculty of Theology, most of the teaching for which is given in the Presbyterian College, Belfast, and in Edgehill Theological College, Belfast. Since 1939 the number of students has doubled and there has been a great increase in the number of teaching staff. To house the additional students and staff a substantial blding. programme is in progress.

CONSTITUTION. The authorities of the Univ. are the Chancellor, who is the titular chief officer; the Pro-Chancellors (of whom there may be three); the President and Vice-Chancellor, who is the principal academic and admin. officer; the Senate, which is the governing body; the Academic Council, which is the body of profs. and certain lectrs. responsible for internal academic affairs; the General Board of Studies, which considers courses of study and recognition of Colls. and teachers; the Faculties; and Convocation, the statutory body of graduates, which elects the Chancellor, eight members of Senate and may consider any matter referred to it by the Senate.

INCOME (1952–53). £440,000 (capital purposes, £400,000); Govt. of N. Ireland, 69 per cent; local authorities, 4 per cent; fees, 18 per cent; other sources, 9 per cent.

LIBRARY, 225,000 vols. INSTITUTE OF PATHOLOGY, Grosvenor Rd., Belfast: Pathol. and Bacteriol.; INSTITUTE OF CLINICAL SCIENCE (Med., Surgery, Midwifery, Therapeutics, Social Med., Child Health), Grosvenor Rd.; Geology Bldg., Elmwood Ave.; Agric. Bldg., Elmwood Ave. MUSEUMS: Class. Archæol., Nat. Hist., Med., Mat. Med. LABORATORIES: Chem. (Donald Currie), Civil Engin. (Harland), Physiol. (Jaffé), Biochem. and Bacteriol. (White), Phys., Anat., Bot., Geol., Pharm., Zool., Agric., Marine Biology Station, Portaferry. HOSPITALS AVAILABLE FOR CLIN. TEACHING: General—Royal Victoria H., Mater Infirmorum, Belfast City H.; Maternity—Belfast City (Jubilee); Gynæcol.—Royal Victoria, Samaritan, Belfast City, Mater Infirmorum; Child Health and Pædiat.—Royal Belfast H. for Sick Children, Ulster H. for Children and Women; Ophthalmology and Otolaryngology—Royal Victoria, Mater Infirmorum, Belfast Ophthalmic, Benn H.; Infectious Diseases—N.I. Fever H.; Mental Diseases—Purdysburn H.; Anæsthetics—Royal Victoria, Mater Infirmorum, Belfast City H.

FACULTIES AND DEANS. *Agriculture*, Prof. A. E. Muskett (Mycol. and Plant Pathol.); *Applied Science and Technology*, Prof. A. H. Naylor (Civ. Engin.); *Arts*, Prof. I. M. G. Llubera (Spanish); *Economics*, Prof. C. F. Carter (Appl. Econ.); *Law*, Prof. J. L. Montrose; *Medicine*, Prof. J. H. Biggart (Pathol.); *Science*, Prof. S. Verblunsky (Pure Maths.); *Theology*, Prof. T. A. Sinclair (Gk.).

ADMISSION. *See* Appendix I.

DEGREE COURSES. 3 yrs.—B.A., B.Sc., B.Sc. in Pharmaceutics or Textile Tech., LL.B., B.Sc. (Econ.), B.Mus.; 4 yrs.—B.Agr., B.Sc. in Civil, Mech. or Electr. Engin.; 6 yrs. (of which the first 2 may be in other approved Univs. or Med. Schools)—M.B., B.Ch., B.A.O., B.D.S.; 2 yrs.—B.D. course for grads. of this or some other approved Univ.; B.Ed. (including 1-yr. Dipl. course) course for grads. of this or some other approved Univ.

The courses in Electr. and Mech. Engin. are taken partly in the College of Technol.; 3 yrs.' day or 5 yrs.' evening classes in the Coll. qualify for B.Sc. in Appl. Sci. and Technol. (excluding Civil, Mech. or Electr. Engin. which are day courses only) and for the B.Sc. (Econ.). Evening classes in a subject do not qualify for the B.Sc. or B.Sc. (Econ.) unless the candidate has concurrent day-time employment in some technical or commercial branch of the same subject.

Diplomas. Educn. (for grads.), 1 yr. full-time or 3 yrs. pt.-time; Pub. Health (for grads. in Med.), 1 yr.; Dipl. Soc. Studies, 2 yrs.; Dipl. in Pub. Admin., 2 yrs. for grads. or 3 yrs. for non-grads.

Certificates. Postgrad. courses, 1 yr. full-time, for certifs. in Aeronautics or Radio Engin.

HIGHER DEGREES. The M.A. may be taken by a B.A. 1 yr. after graduation (examn. or thesis or independent res.). The (1) D.Lit. and (2) LL.D. are conferred on grads. of this Univ. distinguished in (1) letters, or in lit., philos. or hist. res., or (2) Law, or in legal or hist. res.; they may also be obtained by thesis or published works. The M.Sc. is open to a B.Sc. of the Univ. and grads. of other Univs. holding a degree of similar rank not less than 1 yr. after graduation (thesis or independent res.). The D.Sc. is open to grads. of this Univ. 5 yrs. after graduation in any Fac. It is conferred for res. or scientific work in relation to Sci. pure or appl., or for distinction in Sci., Engin. or other practical applicn. of Sci. The M.Sc. (Econ.) is open to a B.Sc. (Econ.) of the Univ., and to grads. of other Univs. holding a degree of similar rank not less than 1 yr. after graduation (thesis or independent res.). The D.Sc. (Econ.) is open to grads. of the Univ. 5 yrs. after graduation in any Fac. The M.D., M.Ch. and M.A.O. are open to grads. of the Univ. in Med. of 3 yrs.' (if also grads. in Arts or Sci., 2 yrs.') standing by examn. or thesis. The M.Agr. may be conferred on a B.Agr. of the Univ. or on grads. of other Univs. who hold equivalent degrees after 2 yrs. (thesis or independent res.). The D.D. is open to grads. in Div. of the Univ. of at least 6 yrs.' standing. As regards Ph.D. *see* p. 24.

FEES. Annual Enrolment, £6 (except in the cases of Final-Yr. Med. students, pt.-time students and grads. studying for higher degrees, when the annual enrolment fee is £3). Annual class fees (inclusive)—Arts, £22; B.Sc. (Pure), £35; B.Sc. (Econ.), £22; M.B., B.Ch., B.A.O., £36; B.Sc. App. Sci., £35; B.Agr., £32 : 10s.; Dipl. Educn. (1 yr.), £21 for course; B.Ed. (2 yrs.), £49 : 7s. for course; LL.B., £21.

ACADEMIC YEAR. Oct. 1 to Sept. 30 following: 3 Univ. terms of 13, 12 and 14 wks.; 3 lecture terms of 10, 10 and 6 wks.

ENTRANCE SCHOLARSHIPS. About 28 tenable for 3 or 4 yrs., aggregate annual value £1100; 8 tenable for 1 yr. only, aggregate annual value about £300.

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II.

RESIDENCE. Queen's Elms, University Rd. (*Telephone*: 20460), for men students, max. accomm. at present being 73, residence £30 per term (Warden: H. Mackle, D.Phil.). Riddel Hall, Stranmillis Rd. (*Telephone*: 66062), for women students, max. accomm. at present being 50; board and residence p.a. about £60 (Warden: May Dawson, B.A.). Board and lodging obtainable in the city from about 50s. a wk. upwards. A list of lodgings is maintained.

There is a staff house at 11 University Sq. with residential club facilities.

APPOINTMENTS COMMITTEE. This cttee. advises students as to preparation for entrance to various Govt. services and other appts. All communications to the Sec., The Appts. Cttee. (J. M. Freeland, B.Sc., B.Com.Sc.).

ASSOCIATIONS. A Queen's Univ. Assocn. has been formed, Secs., J. F. Gillies, Ph.D., College of Technology, Belfast; W. Johnston, M.D., 25 University Square, Belfast.

There is also a Queen's Univ. Club which meets in London. Sec., J. N. McFeeters, M.Sc., "Mariga," Arkley, Barnet, Herts.

RECOGNITION OF OTHER UNIVS. Students from other approved Univs. may apply for exemption from a yr.'s attendance for first degree, attendance and examn. in some of the subjects for first degrees in Arts and Sci., in consideration of equivalent courses and examns. elsewhere.

ADULT EDUCATION. The Q.U. Jt. Cttee. for Adult Education formed in 1931 of representatives of Univ., W.E.A. (N.I.), Min. of Educn. and Local Educn. Authorities. Lectures, autumn and winter classes and residential courses provided through W.E.A. Dir.—R. H. Semple. Staff—6 Tutors and 1 Asst. Lectr. Financed by grants from Univ., Min. of Educn., Local Educn. Authorities and W.O.

UNIVERSITY EXTENSION lectures by members of the Univ. Staff and other lecturers by invitation are given in Belfast and other towns.

U.T.C. (T.A.). Founded 1908. O.C., Major D. A. Woods, M.C., the Royal Ulster Rifles. Provides training in Infantry, Signals, Med. and R.E.M.E. sections at the Drill Hall, Q.U.B. U.A.S., formed 1941. O.C., S/Ldr. K. Perkin. Lecture Rooms, 18 College Gdns., Belfast. Flying Instrucn.—5 Chipmunk aircraft at Sydenham airfield. Members enlist as Officer Cadets in R.A.F.V.R. The 3-yr. course leads to Civil Aviation "A" Certif. W.R.A.C. (T.A.): founded 1950; Centre—48 University Rd., Belfast; now under command U.T.C. (T.A.).

STUDENT HEALTH SERVICE. All students are bound by reguln. to submit to full med. examn. by the Univ. Med. Officer in charge of Student Health, 25 Univ. Square, Belfast. All med. and dent. students are required to be re-examined before commencing clin. studies. All students must undergo an annual chest X-ray. Mantoux-negatives are vaccinated with B.C.G. A nursing sister and nurse are available for routine treatment and dressings. The Director of Physical Education is a qualified physiotherapist and co-operates in remedial exercises.

ATHLETIC FACILITIES. 25 acres of playing fields at Cherryvale, Belfast, provide pitches for Rugby, Association and Gaelic football, hockey, cricket, tennis courts, grass athletic track and men's and women's changing-rooms. The Phys. Educn. Centre, Sans Souci Park, Malone Rd., Belfast, provides for squash, badminton, table-tennis, net-ball, boxing, fencing, gymnastics, etc., with changing-rooms and showers for men and women. The Boat House at Lockview Road provides facilities for pairs, fours and eights, with changing-rooms for men. There is a Dir. of Physical Education and an Asst. to the Dir.

STUDENTS' UNION SOCIETY. Founded 1897. Contains reading, writing, library, committee, billiard, cloak and bath rooms. Extended in 1933 by a larger dining-hall and kitchens as the result of a gift from the Pilgrim Trust. The centre of undergraduate club and social activities.

WOMEN STUDENTS' HALL. Houses adjacent to the Univ. at 20-21 University Square provide reading, study and refreshment facilities for women.

PUBLICATIONS. *Calendar* (Oct.), 5s. 9d.; Students' mag., *Q.*; Students' paper, *The Qubist* (fortnightly in term).

PRINTER TO THE UNIVERSITY. Marjory Boyd, M.A., 2 Corporation St., Belfast.

THE YEAR 1952–53

BENEFACTIONS. Mrs. Austin Boyd, £7500 for study of the history of thought and ideas—foundation of the Wiles Lectures; Miss Marianne Tinsley, bequest of £2000 to found an entrance scholp. for men; Dr H. Turtle, £500 to institute prizes in Civil Engin.; Dr. Stanley Wright, bequest of £20,000.

NEW BUILDINGS. Plant Pathol. field station built; Inst. of Clin. Sci. block A completed; work progressing on Geol. block and on Chem. and Civil Engin. bldgs.; Women Students' Hall rehoused at 20-21 University Square.

NEW POSTS. Nil.

OTHER DEVELOPMENTS. Dedication of Book of Remembrance to the fallen of both World Wars; Fine Arts (Drama) Lectures by Mr. Tyrone Guthrie; revised regulations for Honours School of Mediæval Studies; institution of degree of D.Mus.; clinical buildings named "Institute of Clinical Science"; establishment of post of research assistant; conference between representatives of University and local members of F.B.I.; institution of Investment Pool; regulations made for the Wiles Lectures on the history of civilization; annual enrolment fee raised from £4 to £6; U.A.S. won Hack Trophy 1952; represented at Coronation by Brigadier J. A. Sinton, V.C., F.R.S., Pro-Chancellor; Official visit of H.E. the Governor of Northern Ireland and Lady Wakehurst on March 19; visit of H.M. Queen Elizabeth II on July 2.

ADULT EDUCATION WORK. 110 classes formed for 2466 class members; increase in W.E.A. sponsored courses with specific educational objects, *e.g.* field clubs, music circles, trades councils; 7 residential courses; 7 non-residential week-end and one-day schools; 5 colloquia extending over 6 to 8 weeks on topics of immediate public interest recruited about 1000 students; 195 lectures, 8 centralized courses, 5 short lecture courses and various other classes for members of Her Majesty's Forces.

VISITS BY MEMBERS OF STAFF OF OTHER UNIVERSITIES. Prof. B. Blanshard, Yale, Philos.; Dr. G. W. Corner, U.S.A.; Prof. P. Drinker, Harv., Physiol.; Dr. S. J. Folly, R'dg., Dairying; Prof. J. Hazard, Harv., Public Law; Prof. C. F. W. Illingworth, Glas.; Prof. P. Imbs, Stras., Mediæval French; Prof. E. P. Kuhl, U.S.A.; Prof. V. Lange, Corn., German; Prof. B. Lewis, U.S. Bureau of Mines, Chem.; Prof. A. Michotte, Louvain, Psychol.; Prof. G. W. Pickering, Lond., Med.; Prof. S. Piggott, Edin., Archæol.; Prof. J. W. Price, Cape T., Pub. Law; Dr. S. M. Stern, Oxon., Spanish; Prof. van Nieuwenburg, Delft, Chem.; Prof. F. van Steenberghen, Louvain, Mediæval Philos.; Prof. E. I. F. Williams, Ohio, German.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. Sayles, Yale, Hist.; Dr. C. B. Daly (Scholastic Philos.) to Paris (study leave); Prof. A. C. Stevenson (Social and Preventive Medicine) as member of committee to Indonesia; Prof. H. W. Rodgers (Surg.) to W. Africa for Colonial Office; Dr. W. Johnston (Students' Health) to Mich.

RESIGNATIONS AND RETIREMENTS. Maj. D. M. Anderson (Hon. Treasurer); A. A. M. Duncan (Hist.—Palæog. and Diplomatic); Dr. Dorothy Gardner

(Psych. Med.); Dr. H. Graham (Chem.); Dr. E. M. Lindsay (Astron.); Dr. M. J. Lynn (Bot.); Mrs. H. T. Patterson (French); J. H. Prentice (Agric. Chem.); Prof. G. O. Sayles (Hist.); Prof. G. Waterhouse (German).

DEATHS. Very Rev. Dr. W. A. Watson (former Senator); Dr. S. F. Wright (benefactor); The Earl Granville (Hon. Grad.); Mrs. M. Beattie (Senator); Col. R. G. D. Groves-Raines (Hon. Grad.); The Duke of Abercorn (Hon. Grad.).

HONORARY DEGREES. *LL.D.*—A. L. Goodhart; Dame Hilda Lloyd. *D.D.*—J. E. Davey, Principal of Assembly's College, Belfast. *M.A.*—Elizabeth W. Arthurs, Chief Clerk in Bursar's Office; J. K. Carson, Secretary, Ulster Teachers' Union.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	1659	365
Women	552	69
Total	2211	434

DEGREES AND DIPLOMAS. *Agric.*: M.Agr., 2; B.Agr., 11. *Arts*: Ph.D., 2; M.A., 6; B.A., 137; B.Mus., 1. *Comm.*: B.Com.Sc., 2. *Dent.*: B.D.S., 16; L.D.S., 10. *Econ.*: M.Sc. (Econ.), 1; B.Sc. (Econ.), 20. *Educ.*: B.Ed., 5; Dip. Ed., 25. *Law*: LL.B., 17. *Med.*: M.D., 13; M.B., 75; D.P.H., 5. *Sci.* (*Pure*): D.Sc., 1; Ph.D., 9; M.Sc., 8; B.Sc., 60; Hons. Certs., 37. *Sci.* (*Appl.*): M.Sc., 13; B.Sc., 79; Cert. Radio Eng., 4; Hons. Certs., 2. *Soc. Studies*: Dipl., 11; Cert., 1. *Theol.*: B.D., 4; Test in Div., 8. *Total number of first degrees awarded*, 418; *Total number of Dipls. and Certs. awarded*, 64.

CANADA

ACADIA UNIVERSITY (p. 683)
UNIVERSITY OF ALBERTA (p. 688)
ASSUMPTION COLLEGE (p. 706)
UNIVERSITY OF BISHOP'S COLLEGE (p. 711)
UNIVERSITY OF BRITISH COLUMBIA (p. 713)
CARLETON COLLEGE (p. 736)
DALHOUSIE UNIVERSITY (p. 743)
UNIVERSITY OF KING'S COLLEGE (p. 754)
LAVAL UNIVERSITY (p. 758)
McGILL UNIVERSITY (p. 774)
McMASTER UNIVERSITY (p. 798)
UNIVERSITY OF MANITOBA (p. 806)
MEMORIAL UNIVERSITY OF NEWFOUNDLAND (p. 821)
UNIVERSITY OF MONTREAL (p. 824)
MOUNT ALLISON UNIVERSITY (p. 839)
MOUNT SAINT VINCENT COLLEGE (p. 844)
UNIVERSITY OF NEW BRUNSWICK (p. 847)
NOVA SCOTIA AGRICULTURAL COLLEGE (p. 851)
NOVA SCOTIA TECHNICAL COLLEGE (p. 853)
UNIVERSITY OF OTTAWA (p. 857)
QUEEN'S UNIVERSITY (p. 870)
ROYAL MILITARY COLLEGE (p. 881)
SAINT DUNSTAN'S COLLEGE (p. 886)
UNIVERSITY OF ST. FRANCIS XAVIER (p. 889)
SAINT JOSEPH'S UNIVERSITY (p. 894)
SAINT MARY'S UNIVERSITY (p. 899)
UNIVERSITY OF SASKATCHEWAN (p. 902)
SIR GEORGE WILLIAMS COLLEGE (p. 911)
UNIVERSITY OF TORONTO (p. 916)
    UNIVERSITY OF TRINITY COLLEGE (p. 951)
    VICTORIA UNIVERSITY (p. 954)
UNIVERSITY OF WESTERN ONTARIO (p. 957)

CANADIAN UNIVERSITIES*

[Contributed by Dr. G. P. Gilmour, President and Vice-Chancellor, McMaster University.]

UNIVERSITY work in Canada began in 1789, when the University of King's College was founded in Windsor, N.S., but most Canadian Universities date from the 19th century, *e.g.* Dalhousie, 1818, McGill, 1821, Toronto, 1827, Acadia, 1838, Queen's, 1841. In Western Canada all Universities except Manitoba were opened in the 20th century, *e.g.* Saskatchewan, 1908. In recent years, several new degree-conferring institutions have been recognized. Quebec gave a charter to Sir George Williams College in 1948, for work begun in 1929; Ontario to Carleton College in 1952, for work begun in 1942, and to Assumption College, 1953 (formerly an affiliate of Western Ontario); and Memorial was founded in Newfoundland in 1949. In many cases, University status has come to institutions that had already operated for many years as educational centres, often as preparatory schools or theological Colleges, *e.g.* Laval, given a Royal Charter in 1852, is the outgrowth of work dating back to 1635; Montreal, which operated as a branch of Laval from 1876, became autonomous in 1920; and McMaster, whose charter dates from 1887, is the outgrowth of work begun in 1857. In Western Canada, the work of the provincial Universities was anticipated through the existence of Colleges affiliated with institutions in Central Canada, and through the establishment of theological Colleges, *e.g.* Emmanuel College, Saskatoon, 1879. These have now become affiliated with or absorbed into the Universities, but the pattern has not entirely disappeared, *e.g.* Ottawa still maintains a connexion with 5 small Roman Catholic Colleges in Saskatchewan and Alberta.

It is to be remembered that the term "Canada" is nationally applicable only since 1867. The Universities of the Maritime Provinces were for the most part established when Nova Scotia and New Brunswick were not part of Canada. "Canada," prior to 1867, referred only to the territories embraced by Quebec (Lower Canada) and Ontario (Upper Canada). The western Universities were established, as a rule, shortly after the provinces were created out of the western territories. Something of the origins of Canada's population is reflected in the curricula, *e.g.* the greater emphasis on classical studies in the centre and east, and the offering of Scandinavian languages in the west. The great emphasis on extension studies at Alberta is a reflection of the

* *Nova Scotia*: Acadia, Dalhousie (with King's), Mount St. Vincent College, St. Francis Xavier, St. Mary's. *New Brunswick*: Mount Allison, New Brunswick, St. Joseph's. *Prince Edward Island*: St. Dunstan's College. *Newfoundland*: Memorial University of Newfoundland. *Quebec*: Bishop's, Laval, McGill, Montreal, Sir George Williams College. *Ontario*: Assumption College, Carleton College, McMaster, Ottawa, Queen's, Toronto (with Trinity and Victoria), Western Ontario. *Western Provincial Universities*: Manitoba, Saskatchewan, Alberta, British Columbia.

provincial decision to associate such work with the University, whereas in Saskatchewan most extension work that is not for academic credit is separate from the University.

The term " University " is used somewhat loosely in Canada, and a complete legal list would not reflect actual conditions. In at least three cases (Trinity and Victoria in Toronto, King's in Halifax), University charters are in abeyance except for Divinity, by reason of federation ; in some other cases (*e.g.* Collège Ste-Anne, Church Point, Nova Scotia), institutions that operate essentially as Colleges have charters entitling them to University powers ; and in others (*e.g.* Sir George Williams College, Montreal, and Carleton College, Ottawa), work done under the College title is of a range comparable to that in a number of smaller Universities Work in Universities ranges from the complex federated organization of Toronto, including both federated Universities and affiliated Colleges, or that at Laval, which includes forty-nine affiliated institutions, to smaller foundations of a unitary type, involving fewer than three hundred students. McGill, for example, gives twenty-seven types of degrees and ten diplomas or certificates, while Nova Scotia Technical College gives only the degrees of Bachelor and Master of Engineering. In Ontario, to take another example, only Toronto has a College of Education ; and, until the recent establishment of a Faculty of Law at Toronto, all legal education in that Province was directed by the Law Society of Upper Canada.

Whatever their origins, Canadian Universities have in general a constitutional pattern differing from that in Great Britain and some other Commonwealth countries in that salaried members of the Universities other than the executive head may not sit on the Board of Governors (Trustees, Regents, etc.), which has the financial direction of each University, and which makes or confirms academic appointments, determines salaries, manages investments, erects buildings, sets fees, etc. These Boards are variously elected or appointed, and may include government appointees, representatives of the graduates, or members elected by church courts or religious orders. In some cases, they are wholly or in part self-perpetuating bodies. Teaching members do, however, sit on, and in practice usually dominate, the Senate of a University, which body decides questions of admission, examination and curriculum, authorizes degrees (both in course and honorary), and has all academic questions as its province, acting usually on the advice of the academic staff or its Council. The executive head of a University is generally Chairman or leader of the Senate, but is almost never Chairman of the Board. There is thus no close parallel to the type of " University Court " known elsewhere, nor to the corporate authority of a group of Fellows. The term " Fellow " therefore carries with it no financial authority, and need not involve faculty membership. The title " Dean " is a permanent one, Deans being the appointees of the administration, usually through the Senate with the approval of the Board.

All degrees beyond that of Bachelor (M.A., M.Sc., Ph.D., etc.) involve examinations and theses or substantial essays, and such degrees are

seldom open to anyone who has not taken an honours course as an undergraduate or who has not covered equivalent departmental studies as a prerequisite, if he has taken a general degree or comes from another University. Generally speaking, undergraduates are not permitted to specialize in their honours subject until they have completed certain general subjects, *e g.* history or literature in the case of Science students and a course in Science in the case of Arts students.

While there is no case in which the appointment of the executive head of a University is made, or is subject to review by a political body, all Universities operate under Acts or Charters granted by governments and must, if changes in authority, organization, etc., are desired, secure the necessary enabling amendments. Within the terms of the various Acts or Charters, the Universities have full autonomy, the relative powers and membership of Boards and Senates being outlined in the Acts. Senates are in all cases elective or appointive bodies of limited membership, there being no such thing as Senate membership belonging of right to all or certain graduates.

Except in Western Canada, nearly all Canadian Universities were established by or with the active support of church bodies, but the majority are now private or quasi-private foundations. One might divide Canadian Universities into (1) those which are legally controlled by or connected with a religious group : Laval, Montreal, Ottawa, St. Dunstan's, St. Francis Xavier, St. Joseph's, Mount St. Vincent, Assumption, by Roman Catholics ; King's, Bishop's, Trinity, by the Church of England ; Mount Allison, Victoria, by the United Church of Canada ; Acadia, McMaster, by Baptists ; (2) those that are essentially provincial Universities, with varying degrees of state direction : New Brunswick, Memorial in Newfoundland, Toronto, Manitoba, Saskatchewan, Alberta, British Columbia ; (3) independent foundations, depending on endowment and private benefactions, usually with additional state support : Carleton, Dalhousie, McGill, Queen's, Western Ontario, Sir George Williams. No brief statement can make clear the diversity among the Universities.

Under the British North America Act, education in Canada is a provincial responsibility, there being no Dominion Office or Minister of Education. Recently, as noted below, the Canadian Government has given financial aid to Universities. Considerable variety exists as regards Provincial Government aid to Universities. Seven provinces (British Columbia, Alberta, Saskatchewan, Manitoba, Ontario, New Brunswick and Newfoundland) have provincial Universities, in most cases receiving a major part of their income from government sources ; in Ontario and New Brunswick there are also private Universities ; and in Quebec, Nova Scotia and Prince Edward Island all Universities are private. The pattern of provincial support varies as regards private Universities. In Nova Scotia, for example, University grants have to date been comparatively small, but Nova Scotia Technical College is supported entirely from provincial revenues ; while in Ontario, grants are received by Queen's, Western and Carleton College, and McMaster and Ottawa receive grants for such of their work as is legally not under " sectarian " control.

In Canada to date, Universities have not been the recipients of private benefactions in amounts comparable to those in the United States or Britain.

Higher education in Canada has a recognizable pattern and atmosphere, but there is no uniformity in entrance standards or curriculum emphasis. (*See* Appendix I.) Canadian higher education shows clearly the marks of Canadian educational and political history, and the influence of British (both English and Scottish) and American models. The marks of Canadian history can be seen in the existence of a distinct system of French-language University education, chiefly in Laval and Montreal with their affiliated "Classical Colleges"; in various federation plans that have brought together Colleges of denominational origin and of secular foundation (notably in Toronto, Manitoba and Western Ontario); in the existence of a number of Universities that have maintained, to a greater or smaller extent, denominational ties (*e.g.* Acadia, Mount Allison, Bishop's, McMaster, Trinity and Victoria); and in the unusual number of degree-conferring authorities in the Maritime Provinces (where at least fourteen such authorities exist), as compared with the Western Provinces (where only one University authority exists in each Province). A few Universities operate under Royal Charters, but most have been incorporated by provincial legislatures. British precedents account for the existence of Colleges within Universities, academic titles (Principal, Provost, Warden, etc.) that reflect either English or Scottish origin, and provision for specialized undergraduate study leading to honours degrees (in most cases requiring an extra year of undergraduate study and the maintaining of superior grades). American influence can be seen in the development of Faculties and Schools, and in the fact that there has been in Canada much the same succession of development as in the United States, first, of private or quasi-private Universities (including many with original or continuing denominational connexions), second, of State Universities (notably in Western Canada), and third, of Graduate Schools (or limited programmes of graduate studies leading to the degrees Master and Doctor). Many academic titles (President, Dean, Associate Professor, etc.) also reflect American nomenclature.

Recent developments of note have been the growth in undergraduate numbers, increased graduate studies, extension services and financial assistance to Universities by the Government of Canada.

Growth in undergraduate numbers has been due to increase of population, rising standards of living and increased opportunities for professional training. In the fifteen years between 1933–34 and 1948–49, the number of full-time undergraduates increased about two and one-half times. Allowing for recent recession of numbers, after the graduation of ex-Service personnel receiving special benefits, the numbers to-day would be approximately double those of 1933, *i.e.* about 60,000. Staffs and buildings at Universities have been increased to care for these larger numbers, except that in Medicine it is impossible to train sufficiently greater numbers.

Graduate studies, formerly quite limited because of Canadian reliance on British and American graduate facilities, have increased in the same

period by roughly the same proportion. Formerly, English-language graduate studies beyond the degree of Master were offered almost exclusively at Toronto and McGill. In recent years, a number of other Universities have offered Ph.D. studies within a narrow range of selection, chiefly in Science, and doctoral studies are now offered also at Queen's, McMaster, Western Ontario, Manitoba, Saskatchewan, Alberta and British Columbia. In the calendar year 1952, the number of Doctoral degrees completed in Canada was 188, of which 62 were in French-language Universities, and the number of other graduate degrees 894, of which 198 were in French-language Universities. These figures do not, however, adequately represent the scope of graduate studies in the French system.

Extension services are showing a marked increase. In large urban centres Universities offer a variety of evening courses for academic credit, and many Universities conduct summer schools, attended in many cases by members of the teaching profession. One institution, Sir George Williams College in Montreal, enrols the majority of its students in evening classes. Extra-Mural studies are comparatively limited in scope. Adult education, in the form of courses and special lectures without academic credit, is becoming increasingly important.

Financial aid to Universities from the Government of Canada began in 1951, subsequent to the Massey Report,* when $7,000,000 was made available under Order-in-Council, and divided among Universities and Colleges according to the population of each Province and the number of full-time students in each University within the Province. The purpose of the grant was to defray part of the increased cost of University education, definitely including the Arts Faculties, in view of the declining value of endowment and the effect of taxation and inflation. These grants are not designed to provide for expansion of facilities or to give special assistance to Universities maintaining professional and scientific courses at high expense. The criterion of local need has not been introduced, nor have any conditions been attached to the spending of the grant. Provincial rights and duties in education continue unchanged. The final four years of study in classical colleges affiliated to French-language Universities—which in principle form the Faculty of Arts of these Universities—were recognized as equivalent to undergraduate studies in English-language Universities. No attempt was made to arrive at a uniform level of University entrance throughout the nation.

The plan to give federal aid has not been easy to administer. The Government of Quebec in 1953 declined to implement the plan within that Province lest its conception of provincial autonomy in education suffer, and as a consequence the Quebec Universities did not receive aid from the Government of Canada. In 1954 the Government of Quebec authorized certain payments to Universities, in view of special legislation on provincial income taxes, so that University loss of income has

* *National Development in* [*Canadian*] *Arts, Letters and Sciences, 1949–51: Report of Royal Commission.* Chairman: Rt. Hon. Vincent Massey. (Printer to H.M. the King, Ottawa, 1951.)

been overtaken to date. Another difficulty arises from the difference in *per capita* amounts, as based on provincial population and student numbers, with Newfoundland receiving a disproportionately large *per capita* sum and Nova Scotia and Manitoba relatively meagre amounts. How to observe constitutional niceties and accomplish the purpose of the grant at the same time is a delicate problem.

ENGLISH-LANGUAGE UNIVERSITIES. Under the system operating in these Universities, including English-language Roman Catholic institutions, students enter either by Junior Matriculation or by Senior Matriculation. The latter requirement is increasing. These examinations are set in the various provinces, usually by joint action of the Universities and the Department of Education. The list of required and optional subjects differs between provinces and varies as regards the requirements for entrance into various degree courses. Universities admitting by Junior Matriculation normally offer a four-year course leading to a pass or general Bachelor's degree, which can be obtained in three years from Senior Matriculation. For honours degrees, an additional year of study is required in most Universities, and honours students are usually in separate classes. *See also* Appendix I.

The requirements for entry on non-Canadian certificates into the Universities of Canada vary considerably. Students in other parts of the Commonwealth who plan to attend a Canadian University should write directly to the Registrar of the University in which they are interested.

In all Universities a number of lecture courses are required in each year, and examinations on these courses must be taken at the end of each year. In some honours courses, " comprehensive examinations " are also required. Some Universities operate on a year system, requiring a specific group of required and optional subjects to be taken at the various levels, while some others operate more nearly on the credit system common in parts of the United States.

English-language Universities are co-educational in all but a limited number of courses, such as Nursing and Household Science.

Few Universities offer complete residence accommodation. Especially in large urban centres, the majority of students live at home or in boarding-houses. Most Universities provide, through student unions, space for social gatherings and for meals.

FRENCH-LANGUAGE UNIVERSITIES. In the French system, a student receives his Baccalauréat at a Classical College, which corresponds to a French Lycée. He then goes to the University for his Licence or his Doctorat, or for a professional course such as Medicine, Engineering or Dentistry. French-language Universities also admit into certain courses, such as Engineering and Agriculture, students who have taken preparatory work in a French high school, modelled more closely along English high-school lines. Separate classical colleges are operated for men and women, but the Universities are co-educational in most courses.

DATES AND VACATIONS. In all the Universities of Canada, students are admitted only in the autumn, and the session lasts approximately

from late in September to the middle of May. During the long summer vacation, the majority of students obtain employment. Faculties of Engineering, for example, require their students to gain practical knowledge in the Engineering field during the summer.

STUDENT ACTIVITIES AND ATHLETICS. During the session, the students provide a wide variety of social and recreational activities for themselves. These are under the control of a central committee or council and are more highly organized than they are in the United Kingdom Universities. Organized athletics, too, are usually under the control of a central committee representing the students, the University administration and, frequently, the graduates.

THE NATIONAL CONFERENCE OF CANADIAN UNIVERSITIES. The approved Universities and Colleges of Canada have as their official organization the National Conference of Canadian Universities, which meets every summer to discuss matters of common interest. This Conference is closely associated with The Association of Universities of the British Commonwealth and nominates the two representatives of the Canadian Universities on the Executive Council of that body. The Conference publishes an annual *Report* and a *Yearbook of Canadian Universities*. The latter is published biennially, and may be obtained from the Secretary, N.C.C.U., care of University of Saskatchewan, Saskatoon, Sask., Canada, at the price of $2.

In addition, the business officers of the Universities participate in the Canadian Association of University Business Officers, and many participate in the nearest U.S. association. C.A.U.B.O. meets annually to discuss common problems of administration and finance, usually with invited government officials responsible for research grants and related projects. It has approved for its own use a standardized form of University financial reporting as to income and expenditures. E. A. Wilkinson, Hart House, University of Toronto, is secretary-treasurer. Placement and guidance officers also meet annually in the University Counselling and Placement Association, organized in 1946, evolving from the University Veterans' Counselling Services organization. University registrars meet less formally, but are in process of forming an association. Similar organizations are developing among Directors of University Extension and Alumni Directors. Book Store managers were organized as the College Book Store Managers in 1948, amalgamated in 1951 with the Canadian Retail Booksellers' Association. The executive secretary is Mrs. S. McDowell, McMaster University, Hamilton. Only a small number of Universities operate a University press.

FURTHER INFORMATION. A convenient and recent historical sketch may be found in W. Kirkconnell and A. S. P. Woodhouse: *The Humanities in Canada*, 1947. Statistical information appears in *The Canada Yearbook*, and special information is issued from time to time by the Dominion Bureau of Statistics, the most recent being *Higher Education in Canada 1948–50* (1952), issued by authority of the Minister of Trade and Commerce, price 60c. An historical introduction to the Universities of Canada appeared in the *Universities Yearbook, 1949–50* (A.U.B.C.), and earlier editions.

OTHER EDUCATIONAL INSTITUTIONS. Not all educational institutions of University grade appear under University titles. Three examples are the Maritime School of Social Work, the Nova Scotia Technical College in Halifax and theological schools. The *Maritime School of Social Work*, Halifax, N.S., co-operates with various Universities in Nova Scotia. It gives a diploma for two years of study, degrees being the responsibility of the co-operating Universities. In other parts of Canada schools of social work form an integral part of individual Universities, including Laval, Montreal, McGill, Toronto, Western Ontario and British Columbia. The *Nova Scotia Technical College* in Halifax (*see* p. 853) is the direct effort of the Province to provide engineering education. It is supported entirely from provincial revenues and receives students who have already covered work in Acadia, Dalhousie, King's, Mount Allison, St. Francis Xavier, Memorial University of Newfoundland and St. Mary's. The Technical College offers two years of what is usually a five-year course, leading to the degree of B.E., and later to the degree of M.E. In other Canadian provinces such work is carried on by a Faculty of Engineering or Applied Science connected with single Universities. Theological education is conducted through Faculties of Theology or through independent theological colleges affiliated with one or more Universities. Theological degrees are not granted by provincial Universities. At Toronto, for example, degrees in Divinity are conferred by Trinity, Victoria, Knox, Wycliffe and St. Michael's. A list of theological colleges appears in the *Yearbook of Canadian Universities*.

The CANADIAN BRITISH EDUCATION COMMITTEE has been established to encourage students leaving school in Great Britain to take a course at a Canadian University. The idea of the committee is that this not only makes the best introduction to Canadian life for those who intend to make their career in the Dominion, but that the experience of a Canadian University will tend to produce a graduate of fresh outlook and wide interests who will be well fitted to make a career in any part of the world.

McGill University and the University of Toronto both reserve a number of places for students under this scheme. Those sponsored by the committee are allowed by the Treasury to exchange sufficient sterling into Canadian dollars to cover the cost of their courses; many students earn part of their expenses by working during the long summer vacations. The committee has no Scholarships to offer except 10 bursaries of $300 each, tenable for 1 yr., which are offered to students from the United Kingdom who wish to study mining engineering or geology at a Canadian University. The committee does not sponsor students until they have gained Advanced level passes in the General Certificate Examination, except for certain faculties; *e.g.* Agriculture, Engineering, Mining, etc., in which the first yr. of the University curriculum includes technical courses that cannot be studied at school.

Further particulars may be obtained from the Hon. Secretary, The Canadian British Education Committee, 62 Trafalgar Square, London, W.C.2.

[*Information compiled as at* 3/6/54.]

ACADIA UNIVERSITY*

Founded 1838; incorporated 1840

Postal Address: Wolfville, Nova Scotia, Canada.
Telephone (Registrar): Wolfville 3423.

PRESIDENT — WATSON KIRKCONNELL, O.P.R., M.A. Qu., Ph.D. Debrecen, LL.D. Ott. and New Br., D.P.Ec. Ukr. Free U., D.Litt. McM., F.R.A.I., F.R.Hist.S., F.R.S.C.

CHAIRMAN OF THE BOARD OF GOVERNORS—M. R. ELLIOTT, M.D. Harv., B.A., D.C.L.

PROVOST—R. S. LONGLEY, A.M., Ph.D. Harv., LL.D. McM., B.Sc., F.R.S.C.

REGISTRAR—RUBY M. THOMPSON, B.A.

BURSAR—FREDERICK J. ELDERKIN.

LIBRARIAN—H. W. GANONG, B.A., B.L.S.

TEACHING STAFF

Art and Aesthetics

Beals, Helen D., B.A. Instr.

Biology

Bayne, P. McE., M.A. Tor., D.Sc. Prof.
Smith, E. C., Ph.D. Harv. Prof.
McCallion, D. J., M.A., Ph.D. Brown Prof.
DeWitt, C. E. A., B.A., M.D., C.M. McG. Med. Officer and Instr.

Chemistry

Hill, D. U., A.M., Ph.D. Yale Wallace Prof.
Small, C. W., M.A. Tor. Prof.
Linton, E. P., B.Sc., Ph.D. Tor. Prof.

Classics

Neatby, L. H., M.A. Sask., Ph.D. Tor. Prof.

Economic Science

Mosher, J. I., A.M. Harv. Prof.
Morse, N. H., M.A., Ph.D. Tor. Prof.
Watson, R. E., M.A. Tor. Asst. Prof.

Education, School of

Marshall, M. V., Ed.D. Harv., B.A., B.Sc. Dean and Prof.
Chandler, Verna, B.A. Tor. Instr.

Engineering

Cain, B. N., B.E. N.S.T.C. Dean, Ivan Curry Sch. of Appl. Sci., Prof.
Spence, G. D., B.Sc. N.S.T.C. Assoc. Prof.
De Wolfe, E. L., B.E. N.S.T.C. Instr.

English Lang. and Lit.

Margeson, J. M. R., B.A. Br. Col., M.A., Ph.D. Tor. Prof.
Sipprell, H. F., A.M. Harv. Assoc. Prof.
Wanamaker, M., M.A. Qu., B.A., B.Ed. Asst. Prof.

Geology

Bancroft, M. F., A.M. Yale King Prof.

* Member of the Association of Universities of the British Commonwealth.

Cameron, H., M.Sc. McG. Assoc. Prof.
MacNeill, R., M.Sc. Asst. Prof.

German

Toews, V. K., B.A. Manit., M.A. Tor. Lectr.

History

Longley, R. S., A.M., Ph.D. Harv., LL.D. McM., B.Sc.
Dean Fac. of Arts and Sci., Alumni Prof.
Cornell, P. G., M.A. Tor. Assoc. Prof.
Fraser, D. G. L., M.A. Asst. Prof.

Home Economics

MacMillan, Elizabeth, B.Sc. (H.Ec.), M.Sc. Corn.
Dean Sch. of H. Ec., Prof.

Assistant Professors

O'Blenes, Clarabel, M.Sc. Col.
Allan, Genevieve, M.A. Tor.

Instructors

Magee, Elizabeth, B.Sc.
Roscoe, Helen, B.A. Tor.

Mathematics

Professors

Haley, D. K., M.A. Stanford.
Snow, D. O., M.A.
..... Asst. Prof.

Music

Collins, E. A., Mus.B. Camb., F.R.C.O.
Dean Sch. of Music, Prof.

Instructors

Noble, Mrs. Elsa, Mus.B.
Kalejs, J.
Kalejs, Mrs. Felicita.
McLennan, Mrs. Phyllis, Mus.B.
Morgan, Ruth (Voice).

Physical Education

Kelly, F. G., B.A. Assoc. Prof.
Douglas, R., B.S. (P.E.) Springfield Asst. Prof.
Corcoran, Elgiva, B.P.E. Tor. Instr.

Physics

Noble, W. J., B.Sc. New Br., M.Sc. Dal., M.A. Tor. Prof.
Magarvey, R., M.Sc. McG., B.Sc. Assoc. Prof.

Psychology

Grant, Marion E., M.A., D.Pæd., LL.D. Tor. Assoc. Prof.
Dent, R. W., M A. Tor. Asst. Prof.

Romance Languages

Rayski-Kietlicz, K., Mag. Phil. Cracow, D. ès L. Paris Prof.
Taylor, Anna J., B.A. Dal., M.A. Col. Asst. Prof.

Secretarial Science

Marsh, Jean, B.A. W. Ont., Dipl.Ed. Tor., M.A. Col.
Dir., School of Sec. Sci., Asst. Prof.
Nowlan, G. C., B.A., LL.B. Dal. Lectr.
Chute, Shirley, B.A. Lectr.

Theology

Biblical Literature and Interpretation

Fitzsimmons, F. S., B.A., M.Th Lond., B.D. Spurgeon's Assoc. Prof.
Levy, G. E., M.A. McG., B.D., Th.D. United Theol., B.A. Asst. Prof.

Church History

Whidden, E. MacD., M.A. McM., B.D. Yale, D.D. Pine Hill
Dean, Sch. of Theol., Prof

Philosophy and Systematic Theol.

Fraser, R. MacG., M.A., B.D. McM., Ph.D. Yale Prof.

Practical Theology

Merrick, E. C., B.A., D.D. McM. Armstrong Prof.
Taylor, Charles, B.A., B.D. Instr.

ADMINISTRATIVE AND OTHER STAFF

Exec. Sec. to Bd. of Governors : C. B. Lumsden, B.A., B.D., Ph.D. Yale ; Jr. Dean : P. G. Cornell, M.A. Tor. : Dean of Women : Marion E. Grant, M.A., D.Pæd., LL.D. Tor. ; Veterans' Adviser : N. H. Morse, M.A. Tor. ; Univ. Physician : C. E. A. DeWitt, B.A., M.D., C.M. McG. ; Field Representative : Rev. E. Hawkesworth, B.A., B.D. ; Plant Supt. : R. Roscoe, B.Sc. ; Dietitian : Mildred G. Meadows, B.Sc.

ASSOCIATED INSTITUTION

Approved graduates of Acadia and other recognized Universities who successfully complete a further two yrs. of professional training at the MARITIME SCHOOL OF SOCIAL WORK, Halifax, N.S., are granted by Acadia the degree of Master of Social Work (M.S.W.). Director—L. T. Hancock, M.A. Chic., B.S.W. McG., M.A. K.C.N.S. (*Telephone* : Halifax 3-6907.)

GENERAL INFORMATION

Founded in 1838 by the N.S. Baptist Educational Society, Acadia College was incorporated in 1840 by Act of the N.S. Legislature, with the powers of a University and the name changed to Acadia University by an Act of Legislature in 1891. Endowment, $1,200,000 ; Physical Plant, $2,106,041·28. The Bd. of Governors is appointed by the Baptist Convention of the Maritime Provinces, but the students and faculty are subject to no religious tests.

CONSTITUTION. By the 1840 Act of Incorporation and subsequent legislative amendments, the Bd. of Governors has authority over all matters of property, finance and discipline, and all appts. of academic or admin. staff. The Senate, consisting of Pres., Provost, Deans, Chairman of Governors, and 12 other persons apptd. by Board of Governors, has final authority over all matters of academic welfare, including curricula, and grants dipls. and degrees in all depts. and facs. For purposes of routine admin., the Bd. delegates its powers of discipline to the Facs. Curricula and examns. are the province of the Facs., subject to final confirmation of Senate. The Pres. is chairman of Senate and of the combined Facs., and *ex officio* a member of Bd. of Governors.

INCOME (1952–53). Total income, $592,321. Of non-residential income, the sources were : fees, 45·5 per cent. ; endowments, 17·2 per cent. ; govt., 16·3 per cent. ; Baptist churches 5·5 per cent. ; alumni gifts, 6·2 per cent. ; other gifts, 9·3 per cent.

FACULTIES AND SCHOOLS. Fac. of Arts and Sci. (Dean : Prof. R. S. Longley, Hist.) ; School of Theol. (Dean : Prof. E. MacD. Whidden, Church Hist.) ; School of Music (Dean : Prof. E. A. Collins, Piano) ; School of Home Econ. (Dean : Prof. Elizabeth MacMillan) ; Ivan Curry School of Appl. Sci. (Dean : Prof. B. N. Cain) ; School of Educn. (Dean. : Prof. M. V. Marshall) ; School of Secretarial Sci. (Dir. : Jean Marsh).

ENTRANCE REQUIREMENTS. Students are admitted to the first yr. in Arts with 50 per cent. standing on the jr. matricn. examn. of any Canadian province in the following subjects : Engl., Lat., a second lang., Algebra, Geom., Phys. or Chem., Hist. or Music. There are minor variations for the other courses of the Univ. Students from other countries will have their matricn. standing evaluated on an individual basis. To cope with sp. cases, the Univ. also offers matriculn. examns. of its own in Sept. of each yr. *See also* Appendix I.

DEGREE COURSES. 4 yrs.—B.A., B.Th., B.Sc., B.Sc. (H.Ec.), B.Mus.; 1-yr. grad. study—M.A., M.Sc., M.Mus., B.Ed.; 3 yrs.' grad. study—B.D. The following non-degree certifs. are also listed: 3 yrs.—Dipl. in Home Econ., Certif. in Appl. Sci., Licentiate in Music, Secretarial Sci. Dipl. 2 yrs.—Jr. Arts. The Appl. Sci. Certif. enables students to enter without examn. into the Nova Scotia Technical College and the third-yr. classes of McGill Univ.'s Fac. of Engin.

FEES (p.a.). $40 per undergrad. subject, lab. fees and general fees additional. Postgrad. fees, $200.

SUMMER SCHOOL. Organized in 1933 to provide courses of study for teachers of the province wishing to qualify for the Master's degree, which is a nec. qualificn. for academic licence issued by Dept. of Educn. of Nova Scotia. 4 summer sessions are required as equivalent of 1 full academic yr. All the work for the Master's degree must be carried out in one dept. Classes are also offered in undergrad. work and to a limited extent in elem. foreign langs.

GRADUATE SCHOLARSHIPS. Vaughan Memorial, $250 (Hist.); William Inglis Morse Research Fellowship, $400 (Hist. or Engl.); Henry Burton DeWolfe, $100 (Biol.); Murdock C. Smith, $450 (Marine Biol.).

EMPLOYMENT. A joint Fac.-Student Cttee. co-operates with the placement service of the Federal Dept. of Labour.

GRADUATES. The grads. of Acadia Univ. are organized as the "Associated Alumni," with annually elected officers and a paid Sec.-Treasurer. They edit an official publicn., the *Acadia Bulletin* (6 times a yr.), and nominate 8 members to the Univ.'s Bd. of Governors.

LIBRARY. 100,000 vols. Laboratories: Biol., Chem., Geol., Phys., Engin., Home Econ. Greenhouses and Arboretum. Astronomical Observatory.

RESIDENCE. (Room and Board, $420 a yr.) For Women: Whitman Hall (Dean, Marion E. Grant), 119 students; Seminary (Dean, Alice Desborough), 58. For Men: Memorial Residence (Dean, R. E. Watson), 187; Willett Hall (Dean, M. Scott), 64; Academy Residence (Dean, C. H. Savage), 42.

DEFENCE TRAINING. (*a*) Acadia University Naval Training Division, Staff Officer, Lieut. A. T. Levy, R.C.N. (*b*) Acadia University Contingent, C.O.T.C.; C.O.: Major P. G. Cornell. Resident Staff Officer: Capt. T. Spurr. (*c*) R.C.A.F. (Reserve) Detachment. Air Liaison Officer: F./O. R. H. MacNeill.

STUDENT HEALTH SERVICE. The Univ. has its own resident physician, nursing service and hospl. wards for men and women.

ATHLETIC FACILITIES. The Memorial Gymnasium with swimming pool, games floor and running track; Raymond Field, with facilities for football, baseball, ground hockey and track; and the Univ. rink with artificial ice for ice hockey and skating.

STUDENTS' UNION. A Union Bldg., erected in 1949 and administered by a student cttee., has a cafeteria, student offices and a reception room.

PUBLICATIONS. *Calendar* (April, gratis on request); *Students' Year Book* (May); *Athenæum* (weekly, Oct. to April). Official history: *Acadia University, 1838–1938*, by R. S. Longley (Wolfville, 1939, o.p.); *Acadia Bulletin* (6 times a year).

THE YEAR 1952–53

RESIGNATIONS AND RETIREMENTS. Prof. V. B. Rhodenizer (Engl.); Dean G. C. Warren (Theol.); Asst. Prof. P. L. Newbigging (Psychol.); Frances Snow (Sec. Sci.).

HONORARY DEGREES. *D.C.L.*—M. C. Foster, sch. inspector, Bridgetown, N.S.; B. Fraser, journalist, Ottawa; J. R. Smallwood, Premier of Newfoundland. *D.D.*—H. L. Denton, clergyman, Saint John, N.B.; W. H. Elgee, clergyman, Fredericton, N.B. *D.Litt.*—V. B. Rhodenizer, Prof. of Engl., Acad. *D.Sc.*—A. E. Cameron, President, N.S. Tech. Coll.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	296	6
Women	190	19
Total	486	25

Postgraduate students, 32.

New admissions, 171.

Students from other countries, 24. (Regions from which largest numbers came: U.S.A., 16; Latin America, 5.)

DEGREES. B.A., 53; B.A. (Hons.), 1; M.A., 8; B.Sc., 17; B.Sc. (Hons.), 1; B.Sc. (H.Ec.), 12; M.Sc., 4; B.D., 9; B.Ed., 18; M.S.W., 2.

DIPLOMAS, ETC. App. Sci. Cert., 12; Lic. Mus., 1; Sec. Sci. Dipl., 8; Cert. Jr. Arts, 1.

[*Information compiled as at* 18/6/54.]

UNIVERSITY OF ALBERTA*

Founded 1906

Postal Address: Edmonton, Alberta, Canada.
Telegraphic Address: VERA (A.B.C. Code).
Telephone (Registrar): 369217.

VISITOR—The Hon. JOHN JAMES BOWLEN, Lieutenant-Governor of Alberta.

CHANCELLOR—EARLE PARKHILL SCARLETT, B.A., M.B., F.R.C.P. Can., F.A.C.P., LL.D.

CHAIRMAN OF BOARD OF GOVERNORS—CHARLES MALCOLM MACLEOD, Q.C., LL.B.

PRESIDENT—ANDREW STEWART, B.S.A., M.A., LL.D. Manit., D.Econ. Laval.

DEANS OF FACULTIES—*Agriculture*: ARTHUR GILBERT MCCALLA, Ph.D. Calif., M.Sc., F.R.S.C. (Plant Sci.). *Arts and Science*: WALTER HUGH JOHNS, B.A. W. Ont., Ph.D. Corn. (Classics). *Dentistry*: WILLIAM SCOTT HAMILTON, D.D.S. Tor., L.D.S. Tor., F.A.C.D., F.D.S.R.C.S. (Oral Surg.). *Education*: HERBERT EDGAR SMITH, B.A. Ill., Ph.D. Calif., M.A., M.Ed. (Philos. of Educn.). *Engineering*: ROBERT MACDONALD HARDY, B.Sc. Manit., M.Sc. McG. (Civil Engin.). *Law*: WILBUR FEE BOWKER, Q.C., B.A., LL.B. (Jurisprudence). *Medicine*: JOHN WILLIAM SCOTT, M.D., C.M. McG., F.R.C.P. Can., F.A.C.P. (Med. and Clin. Med.).

DIRECTORS OF SCHOOLS—*Commerce*: FRANCIS GEORGE WINSPEAR, LL.D. *Graduate Studies*: OSMAN JAMES WALKER, B.A. Sask., A.M. Harv., Ph.D. McG., F.C.I.C., F.R.S.C. *Household Economics*: MABEL PATRICK, B.A. Tor., M.A. Col. *Nursing*: HELEN EILEEN MARIE PENHALE, B.Sc., M.A. Col. *Pharmacy*: MERVYN JAMES HUSTON, Ph.D. Wash., M.Sc. *Physical Education*: MAURICE LEWIS VAN VLIET, M.S. Oregon, Ed.D. Calif. *Physiotherapy*: JOHN RICHARD FOWLER, M.D.

REGISTRAR—G. B. TAYLOR, M.Sc.

ASSISTANT REGISTRAR—A. D. CAIRNS, B.A.

LIBRARIAN—MARJORIE SHERLOCK, M.A. Oxon., B.L.S. Tor., B.A.

ALUMNI SECRETARY—ALEXANDER GILMOUR MARKLE, B.J. Car., B.A.

BURSAR—JOHN MACLEAN WHIDDEN, B.Com.

TEACHING STAFF

Accounting

Goodale, D., B.Com. Sask.
Campbell, J. D., M.Com. Qu. Prof. Asst. Prof.

* Member of the Association of Universities of the British Commonwealth.

Agriculture, v. *infra*

Anatomy

Shaner, R. F., Ph.B. Lafayette, Ph.D. Harv., F.R.S.C. Prof.
Greene, E., M.D., C.M. McG., F.R.C.S.Ed., F.A.C.S. Hon. Prof.
Rawlinson, H. E., M.Sc., Ph.D. McG., M.D. Prof.
Thompson, J. S., M.A. Sask., M.D. Tor. Assoc. Prof.
Salt, W. R., M.Sc. Assoc. Prof.
Minish, N. J., M.D. Manit. Hon. Asst. Prof.
Hoehne, C. A. C., M.D. Tubingen Asst. Prof.
Bury, R. J., M.D. W. Ont. Clin. Instr.
Stanley, A. A. W., M.D. Tor. Sessl. Demr.

Bacteriology, v. Medicine

Biochemistry

Collier, H. B., M.A., Ph.D. Tor. F.C.I.C , F.R.S.C. Prof.
Tuba, J , M.Sc. Sask., Ph.D. Tor. Prof.
Stewart, A. G., M.A. Qu., Ph.D. W. Ont. Asst. Prof.
Spencer, Mary E., B.A. Sask., M.A. Bryn Mawr, Ph.D. Calif. Asst. Prof.
Bell, R. E., M.D. Sessl Instr.

Botany

Moss, E. H., M.M., M.A., Ph.D. Tor., F.R.S.C. Prof.
Whyte, J. H., B.Sc (Agric.) Edin., M.Sc., Ph.D. McG. Assoc. Prof.
Cormack, R. G. H., M.A., Ph.D. Tor. Assoc. Prof.
*Prince, A. R., B.A. Acad., A.M. Harv. (Biol.) Asst. Prof.
Kennedy, Lorene L., M.Sc. Asst. Prof.
Gorham, Anne L., B.Sc. Dal., M.Sc. Sessl. Instr.

Chemistry

Walker, O. J., B.A. Sask., A.M. Harv., Ph.D. McG., F.C.I.C., F.R.S.C.
Prof. and Dir., Sch. of Grad. Studies.
Sandin, R. B., Ph.D. Chic., M.A., F.R.S.C. Prof.
Morrison, J. L., M.Sc. Sask., Ph.D. McG. and Camb. Assoc. Prof.
Davis, S. G., Ph.D. McG., M.Sc. Assoc. Prof.
Brown, R. K., Ph.D. McG., M.Sc. Assoc. Prof.
Harris, W. E., Ph.D. Minn., M.Sc. Assoc. Prof.
*Allen, W. F., B.Sc. W. Ont., M.A., Ph.D. Assoc. Prof.
McGreer, D. E., B.Sc. Sessl. Instr.
Thyne, D. E., B.Sc. Sessl. Instr.
Roginsky, Adelle, Ph.D. Chic., B.Sc. Sessl. Lectr.

Classics

Hardy, W. G., M.A. Tor., Ph.D. Chic. Prof.
Johns, W. H., B.A. W. Ont., Ph.D. Corn.
Dean, Fac. of Arts and Science, Prof.
May, E. C., A.B. Trin. Coll. Hartford, A.M., Ph.D. Prin. Asst. Prof.
MacKenzie, Margery W., A.M. Stan., B.A., B.Ed.
Asst. Prof. and Radio Sec.

Dentistry

Hamilton, W. S., D.D.S. Tor., L.D.S. Tor., F.A.C.D., F.D.S.R.C.S. (Oral S.)
Dean, Fac. of Dent., Prof.
Maclean, H. R., D.D.S., F.A.C.D., F.I.C.D. (Oper. D.) Prof.

* At Calgary.

Fraser, S. D., D.D.S.
(Prosthetic D.) Prof.
Quigley, W. A., L.D.S., D.D.S. Tor., M.S. Mich.
(Orthodontia) Prof.
Brass, G. A., D.D.S., B.S.D. Northwestern
(Oper. D.) Assoc. Prof.
Orobko, W., B.Sc., D.D.S.
(Pedodontics) Assoc. Prof.
MacGregor, D. G., D.D.S.
Assoc. Prof.
McMurchy, K. A., B.A. Sask., D.D.S. (Oper. D.) Assoc. Prof.
Stewart, D. R., D.D.S.
(Prosthetic D.) Assoc. Prof.
Samuels, H. L., B.Sc., D.D.S.
(Periodontia) Asst. Prof.
Blaquiere, R. H., D.D.S.
(Pedodontics) Asst. Prof.
Fee, A. D., D.D.S.
(Prosthetic D.) Asst. Prof.
Van Alstine, R. S., M.S. Mich.
(Oral Surg.) Asst. Prof.

Lecturers

Blackmore, R. V., D.D.S. (Oper. D.).
Eastwood, B. J., D.D.S.
(Orthodontics).
Webber, W. E., D.D.S., L.D.S. Tor. (Prof. Ethics).
Hawkins, J. D., D.D.S.
(Oral Anat.).
Cameron, R. B., D.D.S., L.D.S. Tor. (D. Therap.).
Florence, D. E., D.D.S., L.D.S. Tor. (Hist. of Dent.)
Stuart, W. R., D.D.S.
(Prosthetic D.).
Duke, C. G., D.D.S.
(Prosthetic D.).

Instructors

Gilmour, D. S., D.D.S. (Oper. D.).
Grimsrud, H. A., D.D.S.
(Oper. D.).
McClelland, R. C., D.D.S.
(Prosthetic D.).
MacKenzie, B. M., D.D.S.
(Prosthetic D.).

Hon. Members

Clay, J. W., L.D.S. W. Ont, D.D.S. Penn. and Tor., F.I.C.D.
(Exodontia).
Gilchrist, H. A., D.D.S. Northwestern, F.R.C.P.
(Prosthetic D.).
M'Intyre, R. R., L.D.S., D.D.S. Tor. (Orthodontics).
Husband, C. D., D.D.S., F.I.C.D.
(Local Anæsthesia).
Ness, H. B., D.D.S. Minn., L.D.S. Sask.
(Crown and Bridge Work).
Rooney, R. A., D.D.S Valparaiso
(Prosthetic D.) Hon. Prof.

Economics, v. Pol. Econ.

Education

Smith, H. E, B.A. Ill., Ph D. Calif., M.A., M.Ed. (Philos. of E.)
Dean Fac. of Educn., Prof.
Doucette, A. L., B.Sc. N.S.T.C., Ed.D. Stan., M.A.
Prof. and Dir., Calgary Branch, Fac. of E.
Coutts, H. T., B.A. Tor., Ph.D. Minn., M A. Prof.
Dunlop, G. M., B.A. Sask., Ph.D. Col., M.A. Prof.
McDougall, W. D., D Ed. Col., M.A. Prof.
Gilles, J. W, Ed.D. Stan, M.A., M Ed.
Prof. and Dir. of Summer Session.
Baker, H. S., B.A. Tor., Ph.D. Col., M.A. Assoc. Prof.
Clarke, S. C. T., Ed.D. Stan., M.A., M.Ed. Assoc. Prof.
*Finn, T. G., Ed.D., A.M. Stanford, B.A. Assoc. Prof

* At Calgary.

Hodgson, W. E., M.A. Minn., B.A., B.Ed. Assoc. Prof.
MacGregor, H. A., Ed.D. Oregon, M.S. Corn., B.Sc. Assoc. Prof.
Simpson, Maimie S., M.Sc., M.Ed. Assoc. Prof. and Dean of Women.
Sparby, H. T., B.Sc., M.A. Assoc. Prof.
Walker, B. E., M.A. Assoc. Prof.
*Aikenhead, J. D., B.Sc. Manit., M.A. Chic., D.Ed. Oregon Assoc. Prof.
*Buxton, E. W., B.A., B.Ed. Assoc. Prof. and Asst. Provost.
*Barnett, H. B., B.A., Mus.Bac. Tor. Asst. Prof.
Caldwell, Muriel, B.Ed. Asst. Prof.
Card, B. Y., B.Sc., B.Ed. Asst. Prof.
Higgin, Gertrude C., B.A. Montana Assoc. Prof.
Melsness, H. C., B.Sc. Assoc. Prof.
*Newton, Bertha M., B.Sc. in Ed. Calif., A.M. Chic. Asst. Prof.
Pilkington, W., M.A., B.Ed. Asst. Prof.
*Stadelbauer, Helen B., B.Sc., M.A. Col. (Art) Asst. Prof.
*Woodsworth, J. G., Ed.D. Stanford, B.A , B.Ed. Asst. Prof.
Forbes, J. A., M.Ed. (Art) Asst. Prof.
Miller, Velma I., B.Sc., M.Ed. Lectr., Secretary, Fac. of Educn.
Lampard, Dorothy, B.A. Manit., M.A. Chic. Asst. Prof.
*Hampson, C. G., B.A. Asst. Prof.

Engineering, v. *infra*

English

Jones, J. T., M.A. Oxon., M.A. Prof.
Salter, F. M., B.A. Dal., M.A. Chic., F.R.S.C. Prof.
Ryan, A. A., M.A. Assoc. Prof. and Provost.
Scargill, M. H., B.A., Ph.D. Leeds Assoc. Prof.
Kreisel, H., M.A. Tor. Asst. Prof.
Elder, A. T., M.A. Tor., B.A. Asst. Prof.
Godfrey, D. R., B.A., Ph.D. Dub. Asst. Prof.
Watson, W., B.A. Br. Col., M.A., Ph.D. Tor. Asst. Prof.
Baldwin, R. G., B.A. Br. Col., M.A. Tor. Asst. Prof.
*Robertson, Eunice, B.Ed. Lectr.
*Guy, E. F., M.A. Dal., Ph.D. Edin. Lectr.
Sleigh, G. F., M.A. Aberd., B.Litt. Oxon. Lectr.

Entomology

Hocking, B., B.Sc., Ph.D. Lond., M.Sc. Prof.
Ball, G. E., A.B. Corn., M.S. Alabama Asst. Prof.

Fine Arts

Glyde, H. G. (Art) Prof.
Eaton, R. S., Mus.B. McG. (Music) Assoc. Prof.
Orchard, R. H. G., M.A. Camb. (Drama) Asst. Prof.
Taylor, J. B. (Art) Asst. Prof.
Crighton, A. B., Mus.Bac. Tor. (Music) Asst. Prof.
Nelson, Esther (Drama) Ext. Asst. Prof.

French and German, v. Mod. Langs.

Geology

Warren, P. S., B.A., Ph.D. Tor., F.R.S.C. Prof.
Folinsbee, R. E., M.Sc., Ph.D. Minn., B.Sc. Assoc Prof.
Stelck, C. R., Ph.D. Stan., M.Sc. Asst. Prof.

* At Calgary.

Simpson, D. H., D.F.C., M.Sc., Ph.D. McG. Asst. Prof.
Gravenor, C. P., B.A. Tor., M.S. Wis., Ph.D. Indiana Asst. Prof.
Nelson, S. J., M.Sc. Br. Col., Ph.D. McG. Lectr.
Godfrey, J. D., B.Sc. Nott., M.S. Chic. Sessl. Lectr.

History

Collins, R. W., M.A. Acad., Ph.D. Col., B.D. Union Theol. Sem., F.R.Hist.S. Prof.
Thomas, L. G., M.A. Assoc. Prof.
Blackley, F. D., M.A., Ph D. Tor. Asst. Prof.
*Self, G. M., M.A. McG., Ph.D. Chic. Asst. Prof.
Weber, E. J., M.A., Ph.D. Camb. Lectr.

Household Economics

Patrick, Mabel, B.A. Tor., M.A. Col. Prof., Dir. of Sch.
McIntyre, Hazel, M.S. Ames, B.Sc. Assoc. Prof.
Duggan, Grace L., M.Sc. Chic., B.Sc., B.Ed. Assoc. Prof.
Wade, Charlotte, B.Sc. Mt. All., M.A. Col. Lectr.
Cairns, Grace E., B.Sc. Instr. and Dietitian, Univ. Cafeteria.
Empey, Elizabeth L., B.Sc. Instr. and Dietitian, Univ. Dining Room.
Young, Baunita, B.Sc. Asst. Dietitian, Univ. Dining Room.
Bentley, Mrs. H. S., M.S. Iowa State Lectr.
Reed, Bernice, B.Ed. Sessl. Lectr.
Erdman, Evelyn, B.Sc. Sessl. Lectr.
Brewer, Mrs. Alice, B.H.Ec. Sessl. Instr.

Industrial Laboratories, v. p. 699.

Law

Bowker, W. F., Q.C., B.A., LL.B. (Jurisp.) Prof. and Dean.
Steer, G. H., Q.C., M.A. Qu. Hon. Prof.
Ford, Hon. Mr. Justice F., B.C L. Trin. Coll. Tor., D.C.L. Tor., LL.D. Laval, LL.D. Hon. Prof.
Cairns, L. Y., Q.C., B.A. Hon. Prof.
Smith, A., B.A., LL.B. Prof.
Reed, G. W., B.A., LL.B. Tor. Assoc. Prof.
Weston, A. B., LL.B. W.Aust., B.C.L. Oxon. Asst. Prof.

Sessional Instructors

Blackstock, G. M. D., B.A., LL.B.
Cobbledick, D. W., LL.B.
Cormie, D. M., LL.M. Harv., B.A., LL.B.
Moir, A. F., LL.M. Harv., B.A., LL.B.
Shortreed, J. W. K., B.A. Tor., LL.B.

Mathematics

Keeping, E. S., B.Sc. Lond., D.I.C. Prof.
Wyman, M., Ph.D. Cal. Tech., B.Sc., F.R.S.C. Assoc. Prof.
Phibbs, E., M.A. Camb. Assoc. Prof.
Crosby, D. R., Ph.D. Prin., D.Phil. Oxon., B.Sc. Assoc. Prof.

Assistant Professors

Fostvedt, T., M.S. Chic., B.Sc.
Jacka, R. C., M.S. Chic., B.Sc.
*Gibb, A., M.A. Tor., Ed.D. Stan , B.Sc., B.Ed.
Horton, G. K., B.Sc. Lond., M.Sc., Ph.D. Birm.
Moser, L., B.Sc. Manit., M.A. Tor., Ph.D. North Carolina.
Rooney, P., Ph.D. Cal. Tech., B.Sc. Lectr.

* At Calgary.

Helfenstein, H. G., M.Sc., Ph.D. Swiss Federal Inst. of Technol.

Medicine, v. *infra*

Modern Languages

Greene, E. J. H., D. de l'U. Paris, M.A. (French) Prof.
Müller, E., Ph.D. Northwestern, M.A. (German) Assoc. Prof.
*Graham, V. E., M.A. Oxon., Ph.D. Col., B.A.
Assoc. Prof. and Asst. Dir.
Faucher, M., L. en Droit Paris, M.A. Calif.
(French) Assoc. Prof.
Samuel, G., M.A. Glas.
(French) Asst. Prof., and Asst. to President.
Starchuk, O., Dr. Jur. et Rer. Pol. Chernowitz
(Russian) Asst. Prof.
Reinhold, E., B.Sc., M.A.
(German) Asst. Prof.
Moore, C. H., B.A. W. Ont., D. de l'U. Paris Lectr.

Nursing, v. *infra*

Philosophy and Psychology

Smith, D. E., M.A. Qu., Ph.D. Harv. (Psychol.) Prof.
Mardiros, A. M., M.A. Melb., M.Litt. Camb. (Philos.)
Assoc. Prof.
Macdonald, J., M.A., D.Litt. Edin. Sp. Lectr.
Spearman, D., M.A. McG., M.A., Ph.D. Montreal
(Psychol.) Asst. Prof.
Penelhum, T. M., M.A. Edin., B.Phil. Oxon. Lectr.
Wilson, Lolita, M.A. Br. Col., B.A. Lectr.
Walker, L. C., B.A. Roosevelt, M.S. Wis. Lectr.

Physical Education

Van Vliet, M. L., M.S. Oregon, Ed.D. Calif.
Prof. and Dir., Sch. of Phys. Ed.
Eriksson, A. W. E., M.A. Wash., M.Sc. Assoc. Prof.
Smith, W. D., B.P.H.E. Tor., M.A. Calif. Assoc. Prof.
Hastie, Evangeline A., B.A. Tor.
Assoc. Prof.
Austin, Patricia L., B.P.H.E. Tor., A.M. Col. Asst. Prof.
*Goodwin, L., B.A., M.Ed.
Assoc. Prof.
McLachlin, H. J., B.Sc. McG.
Asst. Prof.
Affleck, A. F., B.P.H.E. Tor.
Lectr.
White, Doris L , B.Ed. San Diego State Coll. Lectr

Physics

Grayson-Smith, H., M.B.E., M.A., Ph.D. Tor., F.R.S.C. Prof.
Scott, D B., B.A. Tor., Ph.D. McG. Prof.
Nichols, L. H., B.A. McG., M.A., F.R.Met.S. Assoc. Prof.
Gowan, E. H., D.Phil. Oxon., B.A., B.Sc., F.R.Met.S.
Assoc. Prof.
Newbound, K. B., M.Sc. Manit., Ph.D. M.I.T.
Assoc. Prof. and Asst. to Dean
Harrold, J. H., M.A., Ph.D. Tor.
Asst. Prof.
Garland, G. D., M.A. Tor., Ph.D. St. Louis Asst. Prof.
*Martin, M. C., B.Sc. St. F.X., M.Sc. W. Ont. Lectr.
Schiff, H., M.Sc., Ph.D. McG.
Lectr.

Physiology and Pharmacology

Rice, H. V., M.D., Ph.D. Tor.
Prof.

* At Calgary.

Höhn, E. O., M.B., B.S., M.Sc., Ph.D. Lond. Assoc. Prof.
Heath, C., M.Sc. Asst. Prof.

Political Economy

Mayo, H. B., M.A., D.Phil. Oxon. (Political Science) Prof.
Hanson, E. J., B.A. Qu., Ph.D. Clark, M.A. Assoc. Prof.
*Self, G. M., M.A. McG., Ph.D. Chic. Asst. Prof.
Gainer, W. D., M.S. Iowa State, B.Sc. (Business Admin.) Asst. Prof.
Mackenzie, W., B.Sc. Glas., B.Litt. Oxon., M.S. Corn. Asst. Prof.
Wonders, W. C., B.A., Ph.D. Tor., M.A. Syr. (Geog.) Asst. Prof.
Davy, G. R., B.A. W. Ont., M.A. Fletcher Sch. of Law and Diplomacy Asst. Prof.
Wise, T., M.A. Camb. Lectr.
MacDowell, G. F., B.A. Dal., A.M. Clark Sessl. Lectr.

Zoology

Rowan, W., D.Sc. Lond., F.R.S.C. Prof.
Miller, R. B., M.A., Ph.D. Tor. Prof.
Moore, J. E., M.A. Sask., Ph.D. Tor. Asst. Prof.
Nursall, J. R., M.Sc. Sask., Ph.D. Wis. Lectr.

Agriculture

Agricultural Engineering

Stephanson, B. T., B.E. Sask. Assoc. Prof.
MacHardy, F. V., B.E. Sask. Sessional Lectr.

Animal Science

McElroy, L. W., Ph.D. Calif., M.Sc. Prof.
Clandinin, D. R., M.S.A. Br. Col., Ph.D. Wis. (Poultry) Prof.
Bowstead, J. E., M.Sc., Ph.D. Wis. Assoc. Prof.
Robblee, A. R., Ph.D. Wis., M.Sc. (Poultry) Assoc. Prof.
Bowland, J. P., B.S.A. Manit., M.S. Wash., Ph.D. Wis. Assoc. Prof.
Berg, R. T., B.Sc. Asst. Prof.
O'Donoghue, J. G., D.V.M. Tor. (Vet. Sc.) Lectr.
Hironaka, R., M.Sc. Lectr.

Dairying

Thornton, H. R., M.Sc., Ph.D. Wis., B.Sc. Prof.
Wood, F. W., M.Sc. Asst. Prof.
Zalik, S., B.S.A., M.Sc. Manit., Ph.D. Indiana (Physiol. and Biochem.) Asst. Prof.
Person, C. O., M.A. Sask., Ph.D. (Cytol.) Asst. Prof.

Plant Science

Unrau, J., B.S.A., M.Sc. Sask., Ph.D. Wash. (Genetics and Plant Breeding) Prof.
McCalla, A. G., Ph.D. Calif., M.Sc., F.R.S.C. Dean, Fac. of Agric., Prof.
Henry, A. W., M.S A. Sask., Ph.D. Minn. (Plant Pathol.) Prof.
Johnson, L. P. V., Ph.D. Wash., M.Sc. (Genetics and Plant Breeding) Prof.
Hilton, R. J., B.Sc. McG., Ph.D. Lond. (Hortic.) Prof.
Corns, W. C., Ph.D. Tor., M.Sc. (Crop Ecol.) Assoc. Prof.
Knowles, R. H., B.S.A. Tor. (Hortic.) Assoc. Prof.
Smith, W. E., M.Sc. (Field Crops) Asst. Prof.

Soil Science

Newton, J. D., B.S.A. McG., Ph.D. Calif. Prof.
Bentley, C. F., Ph.D. Minn., M.Sc. Assoc. Prof.
Toogood, J. A., Ph.D. Minn., B.Sc. Assoc. Prof.
Ward, A. S., B.S.A., M.Sc. Asst. Prof.

Engineering

v. also Research Council of Alberta and Industrial Labs., p. 699

Chemical E.

Govier, G. W., B.A.Sc. Br. Col., Sc.D. Mich., M.Sc. Prof.
Gregg, J. W., M.S. Calif. Assoc. Prof.
Robinson, D. B., M.A.Sc. Br. Col., Ph.D. Mich. Assoc. Prof.
Scott, A. L., M.A.Sc. Tor. Asst. Prof.
Quon, D., Sc.D. M.I.T., M.Sc. Sp. Lectr.
Dranchuk, P., B.Sc. Lectr.

Civil and Municipal E.

Hardy, R. MacD., B.Sc. Manit., M.Sc. McG. Dean, Fac. of Engin., Prof.
Blench, T., B.Sc. Glas. (Irrigation E.) Prof.
Preston, W. W., B.Sc. Qu. (Drawing and Descriptive Geom.) Assoc. Prof.
Gads, L. E., B.Sc. (Civil E.) Assoc. Prof. and Sec. of Fac. of Engineering.
Ford, G., Ph.D. Stan. M.Sc. Assoc. Prof.
McManus, R. N., Ph.D. Ill., M.Sc. (Civil E.) Assoc. Prof.
Sinclair, S. R., M.Sc. (Civil E.) Asst. Prof.
Bouthillier, P. H., S.M. Harv., B.Sc. (Civil E.) Asst. Prof.
Longworth, J., M.Sc. Ill., B.Sc. (Applied Mech.) Lectr.

Electrical E.

Harle, J. A., M.Sc. Durh. Prof.
Porteous, J. W., M.Sc. Assoc. Prof.
Hastie, F. J., B.Sc. (Mech. E.) Assoc. Prof. and Supdt. of Bldgs.
Phillips, R. E., B.Sc. Assoc. Prof.
Panar, D., M.Sc. Mich. (Mech. E.) Asst. Prof.
Sadler, G. W., B.Sc. Sask., M.Sc. Ill. Asst. Prof.
King, R. W., B.Sc. Lectr.
Balke, W. M., B.Sc. Sessl. Lectr.

Mining and Metallurgy

Lilge, E. O., M.Sc. Prof.
Patching, T., B.Sc. Assoc. Prof.
Beard, W. J., B.Sc. McG. Sessl. Instr.

Medicine

(for subjects of first 2 yrs.—Anat., etc., v. *supra*)

Anæsthesia

Carmichael, J. E., B.Sc., M.D., C.M. Qu. Hon. Instr.
Gain, E. A., B.A., M.D. Asst. Clin. Prof.

Bacteriology

Stuart, R. D., Ch.B., M.D., D.Sc., D P.H. Aberd., F.R.F.P.S. Glas. Prof.
Myers, G. E., Ph.D. McG., M.Sc. Assoc. Prof.
Amies, C. R., M.D., B.S. Lond. Assoc. Prof.
Lamb, A. B., B.Sc. McG., M.Sc. Asst. Prof.
Lipsett, Sheila J., B.Sc. Instr.
Epp, Marguerite, B.Sc. Sask. Instr.

Dermatology

Rentiers, P., M.Sc. Minn., B A., M.D. Asst. Clin. Prof.

Preventive Medicine

Bow, M. R., B.A., M.D., C.M. Qu., D.P.H. Tor. Prof.
Little, G. M., M.D. Manit., D.P.H. Tor. Asst. Prof.
Schrag, A. R., M.D. Lectr.
Hogge, H. L., B.Sc. Sessl. Instr.

Medicine and Clinical Medicine

Wilson, D. R., B.A. Oxon., M.D., C.M. McG., F.R.C.P. Can. F.A.C.P. Prof.

Jamieson, H. C., M.B. Tor., F.R.C.P.Can. Hon. Prof.
Sprague, P. H., M.Sc. Minn., M.D., F.A.C.P. Assoc. Prof.
Hamilton, K. A., B.A. Tor., B.A., M.B., B.Ch. Oxon., F.R.C.P. Can., F.A.C.P. (Clin. M.) Prof.
Rich, C. B., B.S. Lond., F.R.C.P.Can. (Clin. M.) Clin. Prof.
Elliott, J. F., B.A., M.D., F.R.C.P. Can., F.A.C.P. (Clin. M.) Clin. Prof.
Thomson, R. K. C., B.Sc., M.D., F.A.C.P. (Clin. M.) Asst. Prof.
Bell, G. I., M D., F.A.C.P. (Clin. M.) Lectr.
Bramley-Moore, W., M.D. (M. Economics) Lectr.
Donald, E. F., M.D. (Clin. M.) Lectr.
Elliott, F. G., M.D., C.M. Qu., F.A.C.P. (Clin. M.) Lectr.
Fraser, R. S., B.Sc., M.D. Lectr.
Stephens, H. H., M.D. (Clin. M.) Lectr.
Anderson, A. F., M.D., C.M. Manit. (Clin. M.) Hon. Instr.
Aaron, T. H., B.Sc., M.D. Instr.
Bell, D. M., B.A., M.D. Instr.
Downs, W. J., M.D., C.M. McG., B.A. (Clin. M.) Instr.
Greenhill, S., M.D., D.P.H. Tor. (Clin. M.) Instr.
Kidd, E. G., B.Sc., M.D. Instr.
Lefebvre, C., B.A. Laval, M.D. (Clin. M.) Instr.
Whiting, R. H., B.A. Tor., M.D., C.M. McG. (Clin. M.) Lectr.
Dvorkin, J., B.A., M.D. (Clin. M.) Lectr.
Gilbert, J. A. L., M.D., Ch.B. Edin., F.R.C.P.Can. and Ed. (Clin. M.) Asst. Clin. Prof.
Preece, C. G., M.D. Tor. (Clin. M.) Instr.
Wheeler, B. M., M.B.E., M.D., F.R.C.P.Can. (Clin. M.) Lectr.
Matas, M., M.D. (Clin. M.) Instr.
Young, McL. K., M.D. (Clin. M.) Instr.
Hopkyns, J. C. W., B.M., B.Ch., M.A. Oxon. Sessl. Instr.
Peers, A. L., B.A. Camb. (Clin. M.) Sessl. Demr.
Cairns, A., M.D. Sessl. Instr.

Nursing

Penhale, Helen E. M., B.Sc., M.A. Col. Prof. and Dir. of Sch.
Reesor, Isabelle M., M.A. Col., B.Sc. Asst. Prof.
4 Hospital Teachers.

Obstetrics and Gynæcology

Vant, J. R., B.A. Sask., M.D. Manit., F.R.C.O.G., F.A.C.S., F.R.C.S. Can. Prof.
Baker, J. O., M D., C.M. Qu., F.A.C.S., F.R.C.S.Can. Hon. Prof.
Day, A., M.B. Tor. Clin. Prof.
Clarke, T. R., M.D. Asst. Clin. Prof.
Horner, R. H , M.D., F.A.C.S. Asst. Clin. Prof.
Maclennan, A. H., B.Sc., M.D., F.A.C.S. Asst. Prof.
Hutton, Margaret MacS., B.A., M.D., F.R.C.S.Can., F.A.C.S. Lectr.
Parlee, S. S., B.Sc., M.D., F.A.C.S. Lectr.
Ritchie, D. C., B.Sc., M.D., F.A.C.S. Instr.
Bell, D. M., M.D., F.R.C.S.Can. Sessl. Instr.
Quehl, E., M.D. Sessl. Instr.
Ritchie, D. C., B.Sc., M.D., F.A.C.S. Instr.
Frew, W. D., M.B., Ch.B. Edin., F.R.C.S.Can., F.A.C.S. Teaching Fellow
Dorsey, F. R. J., B.Sc., M.D. Sessl. Instr.

Ophthalmology and Rhino-Oto-Laryngology

Marshall, M. R., M.M., M.D., C.M. McG., F.R.C.S.Can. Prof.

Armstrong, W. S. S., M.D., C.M. McG.
(Rhino-Oto-Laryng.) Lectr.
Duggan, J. W., M.M.S. Tulane, M.D., F.R.C.S.Can.
(Ophthalmol.) Instr.
Clarke, K. A. C., M.C., B.Sc., M.D.
(Rhino-Oto-Laryng.) Demr.
Wiggins, R. L., B.A., M.D. Instr.

Orthopædics

Mewburn, F. H. H., O.B.E., V D., B.Sc., M.D , C.M. McG , F.A.C.S., F.R.C.S.Can.
Hon. Prof.
Huckell, R. G., M.D., C.M. McG., F.A.A.O.S , F.A.C.S.
Clin. Prof.
Rostrup, O., M.D., F.A C.S., F.R.C.S.Can., F.A.A.O.S.
Assoc. Clin. Prof.

Instructors

Wilson, G. L., M.D.
Gray, G. C., M.D. Tor.
Johnston, D. C., M.D.
Moreau, J. P., B.A. Laval, M.D., F.R.C.S.Can.
Day, F. G., M.Ch.Orth. Liv., B Sc., M.D., F.R.F.P.S. Glas.

Pædiatrics

Leitch, D. B , M.C., B.A., M.B. Tor., F.R.C.P.Can. Clin. Prof.
Calder, J., M.D. Clin. Prof.

Instructors

Armstrong, B. H., M.D.
Gander, T. A., M.B.E., M.D.
Beauchamp, L. E., B.Sc., M.D.
Grisdale, L. C., B.Sc., M.D.
Poirier, R., B.A., M.D. Montr.
Swallow, Kathleen A., B.Sc., M.D.
Duncan, N. F., B.Sc., M.D.
Sessl. Instr.

Pathology

Macgregor, J. W., B.A., M.D.
Provincial Pathologist and Prof.
Stirrat, J. H., B.Sc., M.D., Ch.B. Glas.
Asst. Prov. Pathologist, Assoc. Prof.
Hall, M. E., B.A., M.D. Tor.
Hon. Assoc. Prof.
Macdonald, G. R., B.Sc., M.D.
Lectr. and Asst. Prov. Pathologist.
Hanson, S., M.D. Asst. Prof.
Bell, R. E., M.D.
(Clin. Path.) Asst. Prof.
Weinlos, M., B.A., M.D., F.R.C.S. Ed. and Can. Lectr.
Cantor, M. M., B.Sc., M.D. Manit., F.A.C.P.
(Med. Jurisp.) Lectr.
Davey, P. W., M.D., C.M. Qu.
Lectr.
Bain, G. O., B.Sc., M.D. Instr.
Malcolmson, P. H., M.D. Tor., B.A.
Instr.
Pierce, G. B., M.Sc., M.D. Instr.
Sereda, M. M., M.D. Instr.
Newson, Dora A., B.A., M.D.
Demr.

Pharmacology, v. Physiol., *supra*

Pharmacy

Huston, M. J., Ph.D. Wash., M.Sc. Prof., Dir. of Sch.
Murray, J. R., M.Sc. Assoc. Prof.
Riedel, B. E., Ph.D. W. Ont., M.Sc. Assoc. Prof.
Anderson, A. J., M.S. Wash., B.Sc. Asst. Prof.
Hobbs, D. C., B.Sc. Sessl. Lectr.
Innes, D. R., B.Sc. Sessl. Lectr.
Sprague, W. H. Sp. Lectr.

Psychiatry

MacLean, R. R., M.D. Clin. Prof.
McAlister, W. J., M.C., M.D., C.M. McG. Hon. Instr.
McCullough, D. L., B.A., M.D., B.C.L. Trin. Coll. Tor., D.P.M. Lond. Hon. Instr.
Michie, T. C., M.D. Lectr.
MacPherson, A. D., M.D. Lectr.

Spaner, S., B.A., M.D.
Asst. Clin. Prof.
Carson, G. D., M.D. Sessl. Instr.

Radiology

Duggan, H. E., M.D.
Asst. Clin. Prof.
Malcolmson, P. H., M.D. Tor., B.A. Asst. Clin. Prof.
Mallett, M., M.D., C.M. McG.
Instr.
Clare, R. McC., M.D. Instr.
Copesteake, G. G., B.A. Camb., D.M.R.D. Edin. Instr.
Hall, R. M., M.D. Tor., D.M.R. Lond. Instr.

Surgery and Clinical Surgery

MacKenzie, W. C., B Sc , M.D., C.M. Dal , M.S. Minn., F.A.C.S., F.R.C.S.Can. Prof.
Hepburn, H. H., M.C , M.D., C.M. McG., F.R.C.S. Ed. and Can., F.A.C.S. Hon. Prof.
Blais, The Hon. A., M.D., B.S. Laval, F.A.C.S.
(Clin. Surg.) Hon. Prof.
Ellis, G. N., B.A., M.D., C.M. Qu. (Urol.) Clin. Prof.
Alexander, N. E., M.D., F.A.C.S.
Hon. Assoc. Clin. Prof.
Anderson, R. L., B.Sc., M.D., F.A.C.S., F.R.C.S.Can.
Hon. Assoc. Prof.
Anderson, W. S., M.D., M.S. Tor., B.Sc., F.A.C.S., F R.C.S.Can.
Assoc. Prof.
Morton, G. K., M.D. (Neurosurg.)
Asst. Clin. Prof.
Wilson, T. S., B.Sc. New Br., M.D. Tor., F.R.C.S.Can. (Clin. S.)
Clin. Prof.

Lecturers

Whiteside, W. C., M.D., F.A.C.S., F.R.C.S Can. (Clin. S.).
Tucker, G. N., M.D. Tor. (Urol.).
Greene, E., M.D., C.M. McG., F.A.C.S., F.R.C S. Can. and Ed.
(Surg. Anat.) Hon. Lectr.
Hitchin, E., M.D.
Mousseau, L. P., M.D. Montr., F.A.C.S. Asst. Clin. Prof.
Weinlos, M., B.A., M.D., F.R.C.S. Can. and Ed.
Geissinger, M. E., M.D., F.R.C.S. Can., F.A.C.S. (Clin. S.).
Allin, E. S., M.D. Tor., B.Sc., F.R.C. Eng. and Can. (Clin. S.). Instr.
Archibald, W. S., M.D., C.M. McG., B.A. (Clin. S.). Instr.
Hardy, A. W., M.D., F.A.C.S. (Clin. S.). Asst. Clin. Prof.
Richard, H. L., M.D., F.R.C.S. Can., F.A.C.S. (Clin. S. and Surg. Anat.).
Lees, J. M., M.D. (Clin. S.).
Shandro, W. A., M.D., C.M. McG., F.R.C.S.Can. (Clin. S.).
Weinlos, C. H. W., B.A., M.D., F.R.C.S. Can. (Clin. S.).
Instr.

Instructors

Allard, C. A., M.D., F.R.C.S. Can.
Hall, W. F. M., B.Sc., M.D., F.R.C.S.Can.
Harrison, R. C., M.D., M.S. Tor., F.R.C.S.Can. (Clin. S.).
Asst. Clin. Prof.
Conroy, F. D., M.D. (Urol.).
Meltzer, H., M.D. Manit. (Clin. S.).
Speakman, T. J., M.D. Manit., M.Sc. McG., F.R.C.S.Can
Lectr.
Francis, R. R., B.A., M.D., F.R.C.S.Can. Instr.

Sessional Instructors

Kling, S., B.A. Sask., M.D. Tor., F.R.C.S.Can. Lectr.
Michalyshin, B., M.D., F.R.C.S. Can.
McCarten, A. B., M.D. Manit., F.R.C.S., F.R.C.S.Can.
Willox, G. L., M.D., F.R.C.S. Can. Lectr.

Boileau, G. R., B.A., M.D., F.R.C.S.Can.
Dafoe, C. S., M.D., C.M. Qu. Instr.
Dobson, C. R., M.D. Instr.

Therapeutics

Rodman, F. S. B., M.Sc. Sask., Ph.D. Minn., M.D. Lectr.

Industrial Laboratories

Noble, C. E., B.A., B.Sc.
Dir. and Provincial Analyst.

Provincial Laboratory of Public Health

Stuart, R. D., Ch.B., M.D., D.Sc., D.P.H. Aberd., F.R.F.P.S. Glas.
Provincial Bacteriologist and Dir.
*Shute, D., M.D., Ch.B. Manc. Dir.

Research Council of Alberta

Administrative Officers

Grace, N. H., M.B.E., M.A. Sask., Ph.D. McG., F.R.S.C., F.C.I.C. Dir. of Res.
Hardy, R. McD., B.Sc. Manit., M.Sc. McG.
Dean, Fac. of Engineering, and Asst. Dir. of Res.

Full-time Staff

Lang, W. A., M.Sc.
(Fuels) Assoc. Res. Prof.
Pasternack, D. S., B.Sc. Qu., Ph.D. McG.
(Bituminous Sands) Sr. Res. Chemist.
Gregory, J., M.Sc. Industrial Engineer.
Charlesworth, J. S., B.Sc.
(Gasoline and Oil Testing) Chemist.
Odynsky, W., M.Sc. Soil Surveyor.
Hodgson, G. W., Ph.D. McG., M.Sc.
(Bituminous Sands) Res. Chemist.
Quon, D., D.Sc. M.I.T., M.Sc.
(Natural Gas) Res. Engineer.
Berkowitz, N., B.Sc., Ph.D. Lond
(Fuels) Chemist.
Campbell, J. D., B.A. McM., M.A. Br. Col., Ph.D. McG.
(Fuels) Palæobotanist.
Wood, J. C., Ph.D. McG., B.Sc.
(Fuels) Organic Chemist.
Byrne, P. J. S., Ph.D. Ill.
(Ceramics) Geologist.
Spencer, H. A., B.Sc. Sask.
Industrial Engineer.
Crawford, G. S., B.Sc., B.A. Sask.
Industrial Engineer.
Rymer, Gladys M., B.Sc.
(Gasoline and Oil Testing) Asst.
Tipman, E., B.Sc. (Gasoline) Asst.
Collins, G. A., B.Sc. Tor., M.Sc. Washington (St. Louis).
Asst. Geologist.
Fryer, J. F., B.Sc. (Fuels) Jr. Asst.
Schmidt, W. K.
(Natural gas) Asst. Res. Engineer.
Dunn, J. S. C., M.Sc.
(Fuels) Asst. Res. Engineer.
Wynnyk, A., M.Sc.
Asst. Soil Surveyor.
Swan, A. G., B.A. Br. Col.
Geologist.
Hennig, A. M. F., B.Sc.
Asst. Soil Surveyor.

Department of Extension

Cameron, D., M.Sc. Dir.
Macleod, Flora, B.L.S. Tor., M.A. Librarian.
Hillerud, Sylvan, B.S.A. Agr. Sec.

* At Calgary.

Campbell, D. D., B.Com., B.A. Br. Col. Asst. Prof.
Cormack, E. W., O.B.E., C.G., B.Sc. Asst. Prof

ADMINISTRATIVE AND OTHER STAFF

GENERAL. Asst. to the President: G. Samuel, M.A. Glas.; Dir. of Banff School of Fine Arts and of Dept. of Extension: D. Cameron, M.Sc.; Dir. of Calgary Branch: A. L. Doucette, B.Sc., N.S.T.C., Ed.B. Stan., M.A.; Dir. of Summer Session: J. W. Gillies, Ed.D. Stan., M.A., M.Ed.; Provost of the Univ.: H. T. Sparby, B.Sc., M.A.; Asst. Provost, Calgary Branch: E. W. Muxton, B.A., B.Ed.; Dir. of Student Advisory Services: A. J. Cook, A.M. Harv., Ph.D. Chic., B.Sc.; Dean of Women and Warden of Pembina Hall: Maimie Shaw Simpson, M.Sc., M.Ed.; Supt. of Univ. Hospital: A. C. McGugan, M.D., D.P.H.; Accountant: M. A. Rousell, B.Com. McG.; Purchasing Agent: E. F. Hunter, B.Com.; Warden of Athabasca Hall: M. H. Scargill, B.A., Ph.D. Leeds; Warden of Assiniboia Hall: A. A. Ryan, M.A.; Manager, University Press: Bella Donnan; Officer-in-charge, University Office, National Employment Service: L. P. Morgan; Radio Secretary, CKUA: Margery Mackenzie, A.M. Stan., B.A., B.Ed.; Supt. of Buildings: F. J. Hastie, B.Sc.; Supt. of Grounds: R. H. Knowles, B.S.A. Tor.; Univ. Medical Officer: J. W. Scott, M.D., C.M. McG., F.R.C.P. Can., F.A.C.P.

LIBRARY. Assistant Librarian: B. B. Peel, M.A., B.L.S. Reference Librarian: Dorothy I. Hamilton, B.Sc. in L.S. Wash., B.A. Circulation Librarian: Norma E. Freifield, B.L.S. Tor., B.A.; Order Librarian: Lilian E. M. Leversedge, B.L.S. Tor., B.A.; Chief Cataloguer: Caroline B. Hicks, B.A., B.L.S.; Medical Librarian: Blanche Giffen, B.Sc. in L.S. Wash., M.A.; Education Librarian (Edmonton): Emily E. Clever, Dip. in L.S. Tor.; Education Librarian (Calgary): Mary I. Grant, B.Sc. in Ed. Col., B.L.S. Wis.; Applied Science Librarian: Emma MacDonald, B.A. Br. Col., B.L.S. Tor.; Law Librarian: James M. Shipley, B.A., LL.B., B.L.S. McG. Library Asst. (Cataloguing): Caroline B. Hicks, B.A., B.L.S. McG.; Library Asst. (Reference): Melba M. Morrison, B.A. Br. Col., B.L.S. McG.; Library Asst. (Circulation): Dorothy E. Ryder, B.A. Br. Col., B.L.S. McG.; Library Asst. (Cataloguing): Yvonne Fenton; Library Asst. (Med. Reading Room): Bonney S. White, B.A., B.L.S. Tor.; Library Asst. (Reference): Lois J. Carrier; Library Asst. (Cataloguing): Frances P. Morgan, B.L.S. Tor., B.A.

AFFILIATED INSTITUTIONS

MOUNT ROYAL COLLEGE, a Junior College, is at Calgary. (*Telephone*: Calgary 22491.) Principal—Rev. J. H. Garden, B.A., D.D.

ST. STEPHEN'S COLLEGE, Theological College of the United Church of Canada, is situated on the University campus. *Postal Address*: University of Alberta, Edmonton, Alberta, Canada. (*Telephone*: Edmonton 31153.) Principal—E. J. Thompson, M.A., B.D., Ph.D.

ST. JOSEPH'S CATHOLIC COLLEGE (Arts). *Postal Address*: University of Alberta, Edmonton, Alberta, Canada. (*Telephone*: Edmonton 31569.) Rector—Brother Luke. Affiliated to the Univ. in 1926 as an Arts Coll. working under the authority of the Senate; occupies a site on the Univ. campus.

The PROVINCIAL INSTITUTE OF TECHNOLOGY AND ART, Calgary (*Telephone*: Calgary 81559), operates directly under the authority of the Dept. of Education Affiliated 1926. Principal—E. W. Wood.

GENERAL INFORMATION

The University was created in 1906 by an Act of the first session of the first legislature of the Province. In Jan. 1908 Dr. Henry Marshall Tory entered on his duties as President.

The Provincial Legislature has established a close relationship between the Univ. and the professions by giving the General Faculty Council jurisdiction over the educational standards of Agrologists, Architects, Chartered Accountants, Dentists, Engineers, Land Surveyors, Lawyers, Music Teachers, Pharmacists, Physicians and Surgeons, Registered Nurses and Veterinary Surgeons.

The University of Alberta, whose property covers 949 acres (Campus, 225 acres; Farm, 724 acres), is situated in the city of Edmonton, the capital of the Province of Alberta. Its grounds border the wooded southern bank of the North Saskatchewan river. To the original residence buildings, Athabasca Hall (1911), Assiniboia Hall (1912) and Pembina Hall (1914), were added the Arts Building (1915), the Engineering Laboratories (1919) and the Medical Building (1921). In 1922 the neighbouring Strathcona Hospital was acquired and became the University Hospital, an important factor in the training of medical students. Clinical teaching facilities were greatly increased by the erection of the Mewburn Pavilion for war veterans by the Dept. of Veterans' Affairs in Feb. 1945 and the expansion of the maternity and pædiatric portions of the Hospital in 1950. A new Nurses' Residence was opened in 1947 and expanded in 1950, and the Aberhart Memorial Sanatorium was opened in Feb. 1952 for tuberculosis patients. Following the great increase of the numbers of students at the end of World War II came the extension of the West and East wings of the Medical Building in 1946 and 1947 and the commencement of the Rutherford Library which was opened on May 15, 1951. The Faculty Apartment Houses, built to accommodate some of the married members of the rapidly growing faculty, were opened in 1947. A Students' Union bldg. was completed in 1950, as well as a new bldg. to accommodate the Provincial Laboratory of Public Health. An Engin. Bldg. was opened in 1953, and an Agric. Bldg. will be opened in 1954.

In 1944 the University assumed responsibility for all teacher training in the province and on April 1, 1945, took over the Provincial Normal Schools and their staffs. The Calgary Normal School, which was housed in the building of the Provincial Institute of Technology and Art, became the Calgary Branch of the University.

The Senate supervised all phases of the instn.'s activities until 1910, when a Bd. of Governors was constituted and was given charge of the Univ's business affairs. This form of govt. remained substantially unaltered until 1942, when a new Act reduced the size of Senate and transferred most of its academic functions to the General Fac. Council.

CONSTITUTION. The Chancellor is elected for 6 yrs. by Convocation, which consists of survivors of original groups of grads. of other Univs. who registered as members of Convocation under the Univ. Act of 1906, and all subsequent grads. of the Univ.: he is a member of the Bd. of Governors and of Senate, as is the Pres. The Board of Governors consists of 6 *ex-officio* members and 7 apptd. by the Lt.-Governor in Council. The Senate consists of 25 members: there is considerable emphasis on its function as a bridge between the Univ.

and the life and activities of the Province, and 9 of its members represent agric., business, labour, industry, public educn. and organizations devoted to social and cultural welfare.

INCOME (1952–53). Total, approx. $2,870,000 (revenues of Province of Alberta, about 59 per cent.; revenues of Canada, 17 per cent.; tuition fees, about 24 per cent.).

LIBRARY. 153,000 vols.

LABORATORIES for all scientific courses; museum; herbarium; farm; agricultural experimental plots.

RESEARCH LABORATORIES for the study of (1) coal; (2) petroleum products; (3) field crops; (4) soils; (5) strength of materials; (6) animal nutrition; (7) pharmacy; (8) cancer; (9) hydraulics; (10) soils mechanics; (11) structural engin.

The Provincial Laboratory of Public Health and the industrial laboratory are also situated on the campus.

FACULTIES AND DEANS. v. page 685.

SCHOOLS AND DIRECTORS. v. page 685.

TEACHING HOSPITALS. University (950 beds), General (530 beds), Misericordia (300 beds), Royal Alexandra (747 beds), Charles Camsell Hospital, Oliver Mental Hospital, Aberhart Memorial Tuberculosis Sanatorium.

MATRICULATION. Examns. are conducted in June and August under the control of the High School and Univ. Matricn. Examns. Board of the Provincial Department of Education.

Univ. admission requirements: (1) Possession of Alberta High Sch. Dipl., (2) Possession of at least a 60 per cent. average in 6 subjs. of Grade XII (sr. matric.), namely, English Lang. 30, Social Studies 30, Maths. 30, Sci. 30 (Chem.), Sci. 31 (Phys.), one of French 30, German 30, Latin 30. The subj. requirements vary somewhat in the various Facs. but the list given will apply generally. Students from other provinces or countries will be required to possess equivalent standing. *See also* Appendix I.

DEGREE COURSES. 3 yrs. (honours, 4 yrs.)—B.A., B.Sc. (Arts), B.Com.; 3 yrs.—B.Sc. (Household Econ.), B.H.Ec., B.Sc. (Pharmacy), LL.B.; 4 yrs.—B.Sc. (Agric.), B.Sc. (Engineering), B.Ed.; 5 yrs.—D.D.S. (incl. 1 yr. predental). B.Sc. (Nursing) (incl. 3 yrs. hosp. trg.). "Combined" courses: 5 yrs.—B.A., B.Com., B.A., LL.B.; 6 yrs.—B.A., B.Sc. (Engineering); M.D. (4 yrs. after 2 yrs. Arts and Sci.).

A Bachelor with honours standing may obtain the M.A. or M.Sc. in 1 yr. of advanced study (in 2 yrs. for Bachelors with general degree). The M.Ed. requires the equivalent of 2 yrs. of advanced study. The period of study (for the B.D.) varies according to the programme selected but is in no case less than a combined total of 4 yrs. in Arts and Theol.

The D.Sc. is an earned degree conferred for high distinction in original scientific research. Under certain circumstances a graduate of another University may qualify for the Ph.D. The degree of LL.D. is awarded only as an honorary degree.

OTHER COURSES. *Summer session* (6 weeks in July and Aug.) mainly for students in Arts and Science and Educn.; Banff School of Fine Arts (*see* below). *Education*: Senior Dipl. (3 yrs.); Junior Dipl. (2 yrs.); 1-yr. "Normal" course for the Temporary Licence. *Nursing*: 3-yr. general dipl. course; 1-yr. dipl. courses for grad. nurses in Public Health Nursing and

Teaching and Supervision. *Physiotherapy*: Dipl. (2 yrs.). *Art*: Dipl. (4 yrs.); Inter. Cert. (2 yrs.). *Short courses* in Dairying and Obstetrics.

FEES, ANNUAL TUITION: B.A., from $145 to $160; B.Sc., $165-$180; B.Com., $165-$200; B.Sc. (H.Ec.) and B.H.Ec., $165-$180; B.Sc. (Agric.), $150-$190; B.Sc. (Engineering), $210-$260; D.D.S., Predental, $165, other years, $300-$350; B.Ed., $135-$160; LL.B., $200-$225; M.D., $425-$450; B.Sc. (Nursing), 1st yr.—$165, 5th yr.—$180, 2nd, 3rd and 4th yrs.—gratis; B.Sc. (Pharmacy), $190-$215. Inclusive fee for Master's degree, $150-$225. General Fees: Registration, $8; Library, $8; Medical Service: Edmonton, $10; Calgary, $4; Students' Union: Edmonton, $21·25; Calgary, $20·50.

TEACHING SESSION. Sept. to April (two terms, separated by Christmas vacation).

RESIDENCES. Pembina Hall (*Telephone*: 34867), 152 women; Athabasca Hall (*Telephone*: 31472), 138 men; Assiniboia Hall (*Telephone*: 35171), 186 men; St. Joseph's College (*Telephone*: 31569); St. Stephen's College (*Telephone*: 31153); and St. Aidan's House (*Telephone*: 37264), 229 men. All except St. Aidan's (11,009 89th Avenue) are on the campus. Cost of room and board, $55 to $60 per month. Full meal and restaurant service provided by cafeteria. Social life is under the supervision of the Provost.

APPOINTMENTS. A sub-office of the Edmonton branch of the National Employment Service, managed by a graduate of the University, is located on the campus. This serves both graduates and undergraduates.

ALUMNI ASSOCIATION. All graduates are members of the Alumni Association, whose operations are controlled by a Council of twenty members. The Alumni Secretary-Treasurer, employed by the University, has his office in the Students' Union Building; he is also editor of *The New Trail* (*see below*).

NAVAL, MILITARY AND AIR UNITS. Officers' training is provided for undergraduates by the University Naval Training Division of the Royal Canadian Navy, the Alberta Contingent of the Canadian Officers' Training Corps of the Canadian Army and the Reserve University Flight of the Royal Canadian Air Force.

MEDICAL SERVICES. All undergraduate students pay an annual fee which is applied to the maintenance of a Medical Service Fund. This trust fund is administered by a committee consisting of the Provost (chairman), the Medical Director, the Bursar, the President of the Students' Union, the President of the Wauneita (Women's) Society, the Treasurer of the Students' Union and the Chairman of one House (Residence) Committee. Students are entitled to medical treatment, under certain conditions and provisions.

ATHLETIC FACILITIES. Playing fields for Rugby and Association football and running track. University Gymnasium (formerly R.C.A.F. Drill Hall) with courts for basket-ball, volley-ball and badminton. Ice-hockey rink opened in 1927 and paid for by student contributions.

STUDENTS' UNION. Student affairs in Edmonton and at the Calgary Branch are handled by a Students' Union at each place. In Edmonton the Union occupies extensive offices in the Students' Union Building and employs a permanent Secretary. The S.U. fee collected by the University at the time of registration includes a substantial contribution to the Building Fund and a subscription to the *Gateway* student newspaper.

UNIVERSITY EXTENSION work includes lectures, radio discussion group material, debating material, general information service, agricultural bulletins,

short courses in Art and Dramatics, film and lantern slide service, open-shelf and travelling libraries and Community Life Conferences.

RESEARCH COUNCIL OF ALBERTA. Under the Act which establd. the Res. Council of Alberta, the Council is housed on the campus. It is, however, independent of the Univ. admin. The essential function of the Council is to conduct res. directed to the utilization of the resources of the Prov. of Alberta. In this regard, the members of its staff collaborate with members of related Depts. of the Univ.

The BANFF SCHOOL OF FINE ARTS held during July and Aug. offers courses in Theatre, Art, Music, Applied Art, Oral French, Photography, Play-writing and Radio-writing.

PUBLICATIONS. *Calendar* (summer); Summer Session *Announcement*; *Information for Prospective University Students* (for matriculants); *Press Bulletin* (at intervals) and *News Letter* (monthly), by the Dept. of Extension; *The New Trail* (quarterly), jointly by the Univ. and Alumni Assocn.; *Gateway* (student newspaper, weekly); *Evergreen and Gold* (annually by students); *Western Theatre* (quarterly, by Depts. of Fine Arts and Extension), *Stet* (Students' Literary Quarterly).

UNIVERSITY PRESS. The University maintains its own printing and book-binding establishment on the campus.

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. National Res. Council, $49,217; Defence Res. Bd., $7725; Dept. of Agric., Ott., $25,300; National Cancer Inst., $7100; Alberta Division, Canadian Cancer Society, $7400; Civic Employees of Edmonton, $2500 for cancer res.; Barley Improvement Inst., $3500; Alberta Adult Educn. Assocn., $3001 to Dept. of Extension; John and Mary Markle Foundation, $6000 (4th instalment of scholp. to Dr. D. R. Wilson); Seattle Repertory Playhouse, stage sets, lighting equipment and costumes valued at between $7500 and $10,000 for Banff Sch. of Fine Arts; Friends of the Univ., $3277; Alberta Division, Canadian Cancer Society, $50,000 (final instalment of $160,000 grant to Dr. John S. McEachern Cancer Res. Lab.); various donors, $59,015 to bldg. fund of Banff Sch. of Fine Arts, through Banff Foundation; Alberta Wheat Pool, 2 entrance scholps. of $500 each; Alberta Drug Travelling Fraternities, annual bursary of $300; Hudson's Bay Co. retail store, Calgary, annual scholps. of $300 in Sch. of Comm.; Canadian Assocn. of Broadcasters, scholp of $200 for Banff Sch. of Fine Arts.

NEW BUILDING. Engin. Bldg. completed in summer of 1953.

ADULT EDUCATION WORK. Over 1200 lectures were given to audiences estimated to exceed 80,000; more than 200 radio talks; 126 short courses, classes and conferences with attendance of 5000 persons; 27 centres were served in this way. A new development was the Evening Division, consisting of classes offered in Edmonton and Calgary; attendance conferred right to take regular degree exams.; courses offered provided 1st-yr. requirements of B.A. and B.Com. and 1st yr. of pre-law course. Advanced Management course held in Banff in Jan. and Feb. The 4 western Univs. have joined in sponsoring the Banff Sch. of Bus. Admin. 475 attended art classes in 14 centres, and the Banff Sch. enrolled 474 students.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Dr. Honor B. Fell, Camb.; Prof. W. J. Hamilton, Lond.

RETIREMENTS. Prof. J. Macdonald (Philos., Dean of Fac. of Arts and Sci.); Prof. M. H. Long (Hist.); Prof. F. Owen (Mod. Langs.).

RESIGNATION. Dr. J. D. McLean, apptd. Prof. of Dent. at Dalhousie Univ.

DEATHS. Dr. G. K. Sheane (Assoc. Prof. of Educn.); Prof. H. Orr (Dermatol.).

HONORARY DEGREES. *LL.D.*—Hon. G. B. O'Connor, Chief Justice of Alta.; H. R. Milner, Q.C., distinguished business-man and public servant; A. Calhoun, first City Librarian of Calgary; Hon. C. J. Ford, appellate division, Supreme Court of Alta.; R. W. Hedley, former Supervisor of Art in Edmonton Schools, Dir. of Edmonton Museum of Arts.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	2115	123
Women	1236	129
Total	3351	252

To above totals the Summer Session added 671 men and 991 women, Banff Sch. 84 men and 444 women, and short courses, 5 women.

Postgraduate students, 183 men and 26 women.

New admissions, 1071.

Students from other countries, 23. (Countries from which largest numbers came: U.S.A., 7; Dominions, 2; Crown Colonies, 2; China and Japan, 2.)

DEGREES AWARDED. *Agric.*: B.Sc., 26. *Arts and Sci.*: B.A., 76; B.Sc., 127. *Comm.*: B.Com., 29. *Dent.*: D.D.S., 34. *Educn.*: B.Ed., 159. *Engin.*: B.Sc., 86. *Grad. Studies*: M.A., 7; M.Ed., 14; M.Sc., 26; B.D., 5. *Household Econ.*: B.Sc., 15; B.H.Ec., 1. *Law*: LL.B., 31. *Med.*: M.D., 52; Nursing: B.Sc., 17. *Pharm.*: B.Sc., 26. *Total number of first degrees awarded*, 679.

DIPLOMAS AND CERTIFICATES AWARDED. Educn., 558; Nursing, 78.

OTHER DEVELOPMENTS OF IMPORTANCE. First 6 candidates accepted for Ph.D. in Fac. of Agric. In Fac. of Arts and Sci., approval obtained for inst. of courses in Geog. and Sociol., of Dipl. course in Art and a course for B.A. degree. Engineering enrolment rose by 44 to 504, and further increases seemed likely.

[*Information compiled as at* 20/8/54.]

ASSUMPTION COLLEGE*

Founded 1857; Incorporated 1858; University status, 1953

Postal Address: Windsor, Ontario, Canada.
Telephones: Windsor—CLearwater 3-6355, Detroit—WOodward 3-6113.

CHANCELLOR—Most Rev. JOHN CHRISTOPHER CODY, D.D., LL.D. W. Ont., Bishop of London.

PRESIDENT—Very Rev. EUGENE CARLISLE LEBEL, B.A. Tor., M.A. Chic.

CHAIRMAN, BOARD OF REGENTS—RHYS M. SALE, LL.D. Br. Col.

CHAIRMAN, ADVISORY COUNCIL—JOHN E. MARSHALL, B.A. Tor.

DEAN, FACULTY OF ARTS AND SCIENCE—Rev. NORBERT JOSEPH RUTH, M.A. Tor.

REGISTRAR—Rev. PETER JULIAN MICHAEL SWAN, M.A., Ph.D. Tor.

BURSAR—Rev. RICHARD S. WOOD, B.A. W. Ont.

LIBRARIAN—Mrs. R. HADDOW, B.A. W. Ont., Dipl. in L.S. Tor.

TEACHING STAFF

Biology

Grant, Rev. A. J., B.A. Tor., M.A. St. Bonav. Prof.
Doyle, R. J., M.A. W. Ont., M.S. Mich. State Lectr.
Miles, A. E., A.B. Brown, M.S. Rhode Island Lectr.
Mary, Sister Michael, B.A. W. Ont. Lectr.
2 Jr. Demrs.

Business Administration

Horne, G. R., B.A. W. Ont., M.A., Ph.D. Mich. Prof.
Dixon, B., B.A. Manit., M.Comm. Tor. Instr.
Part-time Instructors
Fisher, R. J., B.A. W. Ont.
Meanwell, R. W., B.A. W. Ont.
Padmos, A. C., B.A. W. Ont.

Chemistry

DeMarco, F. A., M.A. Sc., Ph.D. Tor. Prof.
Thibert, R. J., B.A. W. Ont., M.S. Detroit Lectr.
..... Instr.
2 Jr. Demrs.

Classics

Hussey, Rev. J. M., B.A. Tor., M.A. C.U.A. Prof.

Economics and Political Science

Phillips, W. G., M.A., Ph.D. Tor. Prof.
Cullinane, Rev. E. A., M.A. W. Ont. Asst. Prof.
Cave, Mrs. G. A., B.A., B.S.S. Brooklyn, M.A. Calif. Pt.-time Instr.

Engineering

Duquette, D. D., B.A. W. Ont. Instr.

English

Crowley, Rev. C. P. J., B.A. Tor., M.A., Ph.D. Mich. Prof.

* Member of the Association of Universities of the British Commonwealth.

Manley, Mary J., B.A. W. Ont., M.A. Ph.D. Yale Assoc. Prof.
Mary, Sister Aloysius, B.Ph. Loyola, M.A. De Paul, B.L.S. C.U.A. Asst. Prof.
Hartmann, Rev. E. J., B.A. Tor., M.A. Detroit Asst. Prof.
Pappert, Rev. E. C., B.A. Tor., M.A. Detroit, Ph.D. Ott. Lectr.
2 Readers

Geography

Vandall, P. E., B.A. W. Ont. Pt.-time Instr.

Geology

Weiler, Rev. A. J., B.A. Tor. Instr.

History

Murphy, Rev. N. J., B.A. W. Ont., M.A. Tor. Prof.
Nelligan, Most Rev. C. L., D.D., B.A. Laval Assoc. Prof.
Mulvihill, Rev. D. J., B.A. W. Ont., M.A., Ph.D. Mich. Assoc. Prof.
Pare, Rev. G. W., Litt.D. Sp. Lectr.

Home Economics

Mary, Sister Michael, B.A. W. Ont. Lectr.
..... Instr.

Library Science

Mary, Sister Aloysius, B.Ph. Loyola, M.A. De Paul, B.L.S. C.U.A. Instr.

Mathematics

Nigh, Rev. W. F., B.A. W. Ont., M.A. Houston Asst. Prof.
Huschilt, J., M.A. Tor. Instr.
Renaud, E. J., B.A. W. Ont. Pt.-time Instr.

Modern Languages

Lajeunesse, Rev. E. J., B.A. W. Ont., M.A. Tor. Prof.
Thibault, A. A., A.B. Boston Coll., A.M. Harv., L. ès L. Paris, D. ès L. Laval Assoc. Prof.
Sister Pauline of Mary, B.A. W. Ont., M.A. Laval Lectr.

Part-time Instructors

Bensette, P. J., B.A. W. Ont., M.A. Laval.
Kelly, E. L., B.A. W. Ont., M.A. Mich.
Rodriguez, Rev. V., Th.L. San Ignacio (Barcelona), B.A. Inst. Zorilla (Valladolid), A.M. Wayne.
Theoret, M., B.A., M.Comm. Montr.
Thibault, Mrs. A. A., B.A. St. Joseph's, M.A. C.U.A., Dipl. de prof. de Français à l'étranger, Dipl. de l'Inst. de Phonétique, Paris.

Music

Part-time Instructors

Cartaino, C., B.S.E., B.M. Mich.
Leach, Mrs. J. D., A.M. Wayne.

Nursing

Colquhoun, Dorothy R., B.A. McG. Lectr.
Howie, J., M.D., C.M., D.T.M., D.P.H. McG. Pt.-time Lectr.
3 Pt.-time Instrs.

Philosophy

Garvey, Rev. E. C., M.A., Ph.D. Tor. Prof.
Miller, Rev. R. G., M.A., Ph.D. Tor. Assoc. Prof.
Swan, Rev. P. J. M., M.A., Ph.D. Tor. Asst. Prof.
Flood, P. F., M.A. W. Ont. Asst. Prof.

Physics

Ruth, Rev. N. J., M.A. Tor. Dean, Fac. of Arts and Sci., Prof.
Shirley, Mrs. F., M.S., Ph.D. Mich. Lectr.

Psychology

Record, Rev. M. A., B.A. W. Ont., M.A. Tor. Asst. Prof.

Mann, W. R., B.A. Texas, M.A. C.U.A. Lectr.
McGouey, Rev. T. J., B.A. W. Ont. Pt.-time Instr.
Mann, Mrs. W. R., B.A. Bryn Mawr, M.A. C.U.A. Pt.-time Instr.
O'Connell, J. J., M.D., C.M. Qu. Pt.-time Instr.

Slavonic Studies

Horoschka, Rev. M., B.A. Tor., M.A. Col. Pt.-time Instr.

Sociology

Page, Irene V., B.A. W. Ont., Dipl. in S.W. Tor. Pt.-time Instr.
Forsyth, W. A., B.A. Brigham Young, A.M. Harv. Pt.-time Instr.

Theology

McCann, Rev. L. A., B.A. W. Ont., S.T.B. Angelicum (Rome), S.T.D. Laval Prof.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar: Barbara M. Birch, M.A. W. Ont. Asst. Librarians. Rev. J. B. J. Janisse, B.A., B.L.S. Tor., W. F. Dollar, M.A. W. Ont., Marjorie E. Roddy, B.A. W. Ont. Dir. of Public Relations: Rev. J. F. Mallon, B.A. Tor., M.A. Mich. Dir., Christian Culture Series: Rev. J. S. Murphy, B.A. W. Ont., M.A. Tor. Asst., Student Publications: Mrs. Charlotte B. Perry, B.A. W. Ont. Dean of Women: Sister Aloysius Mary, B.Ph. Loyola, M.A. De Paul, B.L.S. C.U.A. Med. Adviser: F. G. De Marco, M.D. Tor.

GENERAL INFORMATION

HISTORY. Founded 1857 by Rev. Pierre Point, pastor of Assumption Parish, Sandwich (Windsor). Incorporated 1858 by a Public Act of the legislature of the Province of Upper Canada. Conducted by the Basilian Fathers in 1857–58 and since 1870. Most Rev. D. O'Connor, D.D., President 1870–90, lengthened the Arts course from two to four years, and was responsible for considerable academic and material progress. Affiliated with the Fac. of Arts and Science of the Univ. of Western Ontario in 1919. Curriculum extended to include Honours courses leading to Honours B.A. and B.Sc. degrees, graduate work in philosophy leading to M.A. degrees, and pre-professional programmes. The *Assumption College Act*, 1953, passed by the legislature of the Province of Ontario, amended the original Act of Incorporation, varied the administration of the Coll. and enlarged and specified its university powers. Affiliation ceased July 1, 1953, and the following year the Coll. was admitted to the National Conference of Canadian Univs.

CONTROL AND SUPPORT. The Coll. is operated by the Basilian Fathers of Toronto, a Roman Catholic order conducting Univs., colls. and secondary schs. throughout Canada and the U.S.A. There is wide community representation on the Senate, Board of Regents and Advisory Council, and the facilities of the Coll. are open to all, regardless of race, colour or creed. It is financed by tuition income, private subscriptions, and municipal and federal govt. grants. Total income for 1953–54 was $337,580; 50·1 per cent. from tuition and other student fees, 14·5 per cent. from govt. grants, 1·5 per cent. from private subscriptions, 0·4 per cent. from endowment, 33·5 per cent. from contributed services of the religious members of the staff.

FACULTY OF ARTS AND SCIENCE. Studies in Arts, Science, Commerce, Engineering and Nursing are included in this one faculty. *Dean*: Rev. Norbert J. Ruth, M.A. Tor. (Physics).

DEGREE COURSES. Day Division—B.A., 4-yr. pass courses and 5-yr. hons. courses; B.Sc., B.Comm., 4-yr. courses. Pre-Nursing and Pre-Engineering, 2-yr. courses, must be completed at other Univs. Evening Division—B.A., B.Comm. pass courses equivalent to those offered in the day division, but extending over a longer period of time.

DIPLOMA COURSES. Dipl. in Public Health Nursing, Dipl. in Industrial Nursing, each the equivalent of a 1-yr. full-time course for graduate nurses, but taking longer because followed by pt.-time students (Evening Division.).

ADMISSION REQUIREMENTS. To 1st yr. all courses—Jr. Matricn. (Sec. Sch. Graduation Dipl. of Prov. of Ont., or equivalent certificate). To 2nd yr. all courses—Sr. Matricn. (Sec. Sch. Honour Graduation Dipl. of Prov. of Ont., or equivalent cert.). *See also* Appendix I.

ACADEMIC YEAR. Winter session, mid-September to mid-May.

SUMMER SESSION. Day classes in selected undergrad. subjects are offered in a 6-wk. summer session—July and Aug.

ADULT EDUCATION. Evening courses provided for employed men and women seeking degrees and dipls. are open as well to those interested only in single subjects. In addition, extension courses, for which no academic credit is allowed, are offered at low cost for interested members of the public. Since 1934, the Coll. has sponsored for public benefit an annual series of lectures and recitals by outstanding persons, known as the Christian Culture Series.

FEES. Annual tuition and misc. fees—Day Division: Full-time, Arts, Comm. (first 2 yrs.), $300; Sci., Engin. (1st yr.), $330; Engin. (2nd yr.), Comm. (last 2 yrs.) $360; extra subj. $42; Part-time, 1st subj. $70, each addtl. subj. $50. Evening Division—$42 per subj., $20 lab. fee (where applicable). Room and Board—Men: $535; Women: $450.

FACILITIES. The Coll. is housed in a group of bldgs. on a 100-acre campus bordering the Detroit River. These include the Administration Bldg., staff and student residences, recitation and library bldg., science bldg. (Biol., Chem., Engin., Geol., and Phys. Labs., Biol. museum, audo-visual aids), athletic bldg. (gymnasium and swimming-pool) and student union (offices of the Students' Admin. Council, student press, lounge, cafeteria, drama workshop and games room). Extensive playing-fields are available on campus. The library, at present in temporary quarters, has 20,000 vols. Plans have been initiated for the erection of a new library to house 150,000 vols. in 1955.

MILITARY TRAINING. Preparation for commissioned rank in the active or reserve forces of the Royal Canadian Navy, the Canadian Army or the Royal Canadian Air Force is made possible by membership in the University Training Division, the Canadian Officers' Training Corps or the R.C.A.F. Reserve Univ. Squadron. Trng. is on a pt-time basis during the academic session, full-time during the summer months.

STUDENT SERVICES. Fully equipped and staffed infirmary is provided. Also available are counselling and guidance facilities and a Student Placement Service. The Coll. has dormitories for men (150) and women (25). The latter is conducted by the Sisters of the Holy Names. The Coll. maintains, in addition, a Housing Registry through which rooms or rooms and board may be located in near-by homes.

ALUMNI ASSOCIATION. Founded 1903. Monthly publication: *The Chatter.*

PUBLICATIONS. By the College—*Announcement*, Evening Division and Summer Session brochures, all annually. By the Students' Administrative

Council—*The Purple and White*, bi-monthly newspaper; *The Ambassador*, annually; *Student Handbook*, annually.

THE YEAR 1953–54

NEW DEPARTMENT. July 1, 1953, Dept. of Business Administration.

CHARTER AND N.C.C.U. In accordance with the provisions of the *Assumption College Act*, 1953, a Senate was set up to govern the academic affairs of the Coll. and held its first meeting on Nov. 23, 1953. It authorized the continuance of courses and regulations as these existed immediately prior to the discontinuance of affiliation, with some amendments; and sanctioned the introduction of courses leading to B.Comm. degree. Following an official visitation by the Deans of Arts of Saskatchewan, McGill and Queen's Univs., the Coll. was admitted to the National Conference of Canadian Universities in June 1954. A Board of Regents and Advisory Council were set up to advise the Bd. of Governors on finance and public relations, respectively.

HONORARY DEGREES. Conferred June, 1954. *LL.D.*—Hon. L. M. Frost, Prime Minister of Ontario; Hon. P. Martin, Minister of National Health and Welfare; Hon. C. P. McTague, former Justice of Supreme Court of Ontario; Dr. G. E. Hall, Pres., Univ. of W. Ont.; G. F. Macdonald, Windsor historian and collector of Canadiana; Mary H. O'Donoghue, retd. secondary sch. teacher; Rev. W. J. Roach, former member of staff (apptd. 1900); Dr. J. A. Condrick, Asst. Dean of Law, C.U.A. (alumnus). *Litt.D.*—Rev. G. W. Pare, Detroit historian (alumnus).

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	466	179
Women	60	158
Total	526	337

Postgraduate students, 19.

New admissions, 249.

Students (full-time) from other countries, 116. (Country from which largest number came: U.S.A., 101.).

Non-credit students numbered 145 in addition.

DEGREES. B.A., 77; B.Sc., 6; M.A., 3.

[*Information compiled as at July* 1954.]

UNIVERSITY OF BISHOP'S COLLEGE

Founded 1853

Postal Address: Lennoxville, Quebec, Canada.
Telephone: 2-7922.

VISITORS—THE ARCHBISHOP OF QUEBEC and THE BISHOP OF MONTREAL.

CHANCELLOR—JOHN BASSETT, D.C.L., LL.D.

VICE-CHANCELLOR AND PRINCIPAL—A. R. JEWITT, M.A. Oxon., Ph.D. Corn., D.C.L.

PRESIDENT OF THE CORPORATION—JOHN H. MOLSON, D.C.L.

VICE-PRESIDENT OF THE CORPORATION—Colonel A. A. MUNSTER, D.C.L.

REGISTRAR—W. L. TOMKINS, B.A.

VICE-PRINCIPAL—Professor A. L. KUEHNER, M.A. Qu., F.C.I.C.

DEANS—*Arts and Science*—A. R. JEWITT, M.A. Oxon., Ph.D. Corn., D.C.L.; *Divinity*—Rev. S. JELLICOE, M.A., B.D. Durh.

TEACHING STAFF

Biology

Langford, A. L., M.A. Qu., Ph.D. Tor. Prof.

Chemistry

Kuehner, A. L., M.A. Qu., F.C.I.C. Prof.

McCubbin, J. W., M.Sc. Qu., Ph.D. McG. Prof.

Classics

Preston, A. W., M.A. Edin. and Oxon. Prof.

Divinity

Jellicoe, Rev. S., M.A., B.D. Durh. Dean.

Scott, Rev. E., M.A. Oxon. Mountain Prof.

Moffatt, Rev. Canon E. K., M.A., B.D. Manit. Lectr.

Clarke, Rev. H. L., M.A. Oxon., S.T.M. Un. Theol. Sem. Lectr.

Education

Jefferis, J. D., M.A. McG., Ph.D. Prof.

English

Jewitt, A. R., M.A. Oxon., Ph.D. Corn., D.C.L. Acting Hd.

Gray, J., M.A. Aberd. and Oxon. Asst. Prof.

Motyer, A. J., B.A. Mt. All., M.A. Oxon. Lectr.

History

Masters, D. C., M.A. Tor., D.Phil. Oxon. Prof.

Mathematics

Taylor, S., M.A. Oxon. Assoc. Prof.

Modern Languages

Yarrill, E. H., M.A. Tor., Cert. de Phon. & Dipl. Sup. Paris Prof.

Philosophy and Economics

Judson, T. A., B.Sc. Manit., M.A. Tor. Asst. Prof.

Wilson, N., M.A. Tor., Ph.D. Yale Lectr.

Rev. L. M. Outerbridge, B.D. Qu., M.A., Ph.D. Chic. Lectr.

Physics

Home, M. A., B.A. Br. Col., M.Sc. McG. Prof.

GENERAL INFORMATION

The Coll., founded in 1843, was in 1853 by Royal Charter constituted a Univ. with power to confer degrees. It is administered by a Corporation, whose members are apptd. by joint action of the Bishops of the Province of Quebec on recommendation of nominating Cttee. composed of Chancellor, Vice-Chancellor and President and Vice-President of Corporation.

ADMISSION. *See* Appendix I.

DEGREES AND COURSES. The Coll. provides Ord. courses for degrees of B.A. and B.Sc. in Arts covering 3 yrs., Hons. courses 4 yrs. Theol. students may qualify for B.A. with Theol. options in 3 yrs., followed by 2 yrs. of Theol. study for title of L.S.T. Postgrad. work provided for degrees of M.A. and M.Ed.

The D.C.L. may be conferred by grace of Convocation, *honoris causa.*

The D.D., *jure dignitatis*, may be conferred upon any Bishop or Dean of the Church of England at discretion of Convocation.

The Univ. conducts a 6 weeks' Summer Sch. for Teachers.

FEES. For tuition, $325 p.a. for Arts student ; $275 for Divinity student ; $360 for Science student ; bd. and lodging with heating and lighting, $500 p.a. extra.

PUBLICATION. *Calendar* (March), no charge.

THE YEAR 1952–53

HONORARY DEGREES. The Hon. H. C. Lodge, Jr., U.S. Rep. to United Nations ; Lt.-Gen. Sir Archibald Nye, U.K. High Commissioner in Canada ; Rt. Rev. W. L. Wright, Lord Bishop of Algoma ; J. Muir, Pres., Royal Bank of Canada ; Msgr. F. Vandry, Rector of Laval Univ. ; R. W. Pilot, Pres. of Royal Canadian Academy.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	178	..
Women	85	..
Total	263	..

DEGREES, ETC. B.D., 3 ; S.Th., 1 ; M.A., 1 ; B.A., 41 ; B.Sc., 16.

THE UNIVERSITY OF BRITISH COLUMBIA*

Founded 1908

Postal Address: Vancouver 8, British Columbia, Canada.
Telegraphic Address: Ubrico.
Telephone: Alma 1191.

VISITOR—THE LIEUT.-GOVERNOR OF THE PROVINCE.

CHANCELLOR—SHERWOOD LETT, C.B.E., D.S.O., M.C., E D., Q.C., B.A., LL.D.

PRESIDENT—NORMAN A. M. MACKENZIE, C.M.G., M.M. and Bar, Q.C., B.A., LL.B. Dal., LL.M. Harv., LL.D. Mt. All., New Br., Tor., Ott., Brist., Alta., Glas., St. F.X., and McG., D.C.L. Whitman, D.Sc.Soc. Laval, F.R.S.C.

DEANS—*Administrative and Inter-Faculty Affairs*—W. H. GAGE, M.A. (Maths.); *Agriculture*—B. EAGLES, M.A., Ph.D. Tor., B.A., F.R.S.C. (Dairying); *Applied Science*—H. C. GUNNING, S.M., Ph.D. M.I.T., B.A.Sc., F.G.S.A., F.R S.C. (Geology); *Arts and Science*—S N. F. CHANT, O.B.E., M.A. Tor. (Psychol.); *Forestry*—G. S. ALLEN, Ph.D. Calif., M.A.Sc.; *Graduate Studies*—H. F. ANGUS, B.A., LL.D. McG., B.C.L., M.A. Oxon., F.R.S.C. (Pol. Sc.); *Law*—G. F. CURTIS, LL.B. Sask., B.A , B.C.L Oxon., LL.D. Dal. and Sask.; *Medicine*—M. M. WEAVER, A.B. Wheaton, M.S., Ph.D., M.D. Chic., F.A.C.P., F.R.C.P. Can.; *Pharmacy*—A. W. MATTHEWS, M.Sc. Alta., Ph.D. Florida; *Women*—M. DOROTHY MAWDSLEY, B.A. McG., Ph.D. Chic., M.A. (English).

DEAN AND DEPUTY TO THE PRESIDENT—G. C. ANDREW, B.A. Dal., M.A. Oxon.

REGISTRAR AND SECRETARY OF SENATE—C. B. WOOD, B.A. Tor., A.M. Col.

ASSOC. REGISTRAR—JOHN E. A. PARNALL, M.A. Tor., B.A., B.Ed.

ASST. REGISTRAR—MYRTLE L. KIEVELL, B.A.

HONORARY BURSAR—E. D. MACPHEE, M.M., M.A., B.Ed. Edin.

COMPTROLLER—R. M. BAGSHAW.

LIBRARIAN—N. HARLOW, Ed.B. U.C.L.A., M.A. Calif.

SECRETARY TO THE PRESIDENT—Mrs. HELEN HARMER, B.A.

TEACHING STAFF

Agricultural Economics

Anderson, W. J., B.S.A., M.Sc. Sask., Ph.D. Chic. Assoc. Prof., Actg. Hd. of Dept.

Menzie, E. L., B.S.A. Instr.

Agricultural Engineering

Coulthard, T. L., B.E. Sask., M.Sc. Calif. Actg. Hd. of Dept., Assoc. Prof.

* Member of the Association of Universities of the British Commonwealth.

Special Lecturers
Currey, D., B.A.Sc.
Gram, R., B.S.A.
Watson, E., B.A.Sc.

Agricultural Mechanics
Coulthard, T. L., B.E. Sask., M.Sc. Calif. Assoc. Prof.

Agronomy
Eagles, Prof. B., M.A., Ph.D. Tor., B.A., F.R.S.C. Actg. Hd. of Dept.
Brink, V. C., Ph.D. Wis., M.S.A. Assoc. Prof.
Rowles, C. A., M.Sc. Sask., Ph.D. Minn. (Soils) Assoc. Prof.
Renney, A., M.S. Calif., B.S.A. Asst. Prof.
Stewart, J., B.S.A. Lectr.
Moe, G. G., B.S.A., M.Sc. McG., Ph.D. Corn. Sp. Lectr.
Laird, D. G., B.S.A. Tor., M.S., Ph.D. Wis. Sp. Lectr. and Chairman, Dept. of Soils.

Animal Husbandry
Eagles, Prof. B., M.A., Ph.D. Tor., B.A., F.R.S.C. Actg. Hd. of Dept.
Berry, J. C., Ph.D. Iowa State Coll., M.S.A. Prof.
Wood, A. J., Ph.D. Corn., M.S.A. Assoc. Prof.
Drew, R. E., D.V.M. Ont. Vet. Coll. Sp. Lectr.
Kitts, W. D., Ph.D. Iowa State Coll., M.S.A. Asst. Prof.
King, H. M., B.S.A. Tor., M.S. Oregon State Coll. Sp. Lectr.

Architecture, School of
Lasserre, F., B.Arch. Tor. Prof., Dir. of School.
Wisnicki, B. P., Dip.Eng. Lwow Assoc. Prof.
Binning, B. C. Assoc. Prof.
Porter, J. C. H., B.Arch. McG. Asst. Prof.
Oberlander, H. P., B.Arch. McG., M.C.P. Harv. (Planning and Design) Asst. Prof.
Peeps, J. C., B.Arch. Durh. Asst. Prof.
Marsh, L. C., B.Sc. (Econ.) Lond., M.A., Ph.D. McG. Sp. Lectr.
Davison, K. B., B.Arch. Manit. Sp. Lectr.
Thomas, L. A. J. Instr.
Robinson, I. M., A.B. Wesleyan, M.A. Chic. Instr.
Ussner, W. R., Dip. A.A. Instr.
Todd, E. C. E., LL.M. Manc. Instr.
1 Pt.-time Lectr.

Bacteriology and Immunology
Dolman, C. E., M.B , B.S., Ph.D., D.P.H., F.R.C.P. Can. and Lond., F.R.S.C. Hd. of Dept., Prof.
Duff, D. C. B., M.A., Ph.D. Tor. Prof.
Bismanis, J. E., M.D., Dip.Bact. Latvia Asst. Prof.
Stock, J. J., B.S.A. Ont. Agr. Coll., M.Sc., Ph.D. McG. Asst. Prof.
Chang, Helen, M.A. Instr.

Lecturers
Cockcroft, W. H., M.D., D.P.H. Tor.
Kerr, Miss Donna E., M.A.
Sturdy, J. H., M.D. Alta.
Shearer, A. R., B.A.
Moynihan, I. W., D.V.M. Ont. Vet. Coll., M.Sc. McG.

Biology and Botany
Taylor, T. M. C., Ph.D. Tor., B.A. Prof., Chairman of Dept.
Dickson, F., B.A. Qu., Ph.D. Corn. Prof.
Allardyce, J., Ph.D. McG., M.A. Prof.
Wort, D. J., M.Sc. Sask., Ph.D. Chic. Prof.
Buckland, D. C., M.F., Ph.D. Yale, B.A., B.S.F. (Forest Pathol.) Assoc. Prof.

Goranson, E. S., Ph.D. Tor., M.A. Assoc. Prof.
Krajina, V., D.Sc. Prague Assoc. Prof.
Pillsbury, R. W., M.A. Asst. Prof.
Scagel, R. F., Ph.D. Calif., M.A. (Oceanog.) Asst. Prof.
Allen, Maude, B.S.A., B.A. Instr.
Cole, Kathleen, Ph.D. Smith, M.A. Instr.
Szczawinski, A., M.Ph. Lwow, Ph.D. Lectr.

Chemistry

Hooley, J. G., Ph.D. M.I.T., M.A., F.C.I.C. Prof., Chairman of Dept.
Harris, J. A., Ph.D. Ill., M.A., F.C.I.C. Prof.
Shemilt, L. W., B.A.Sc., Ph.D. Tor., M.Sc. Manit. Assoc. Prof.

Assistant Professors

Kirsch, M., B.Sc., Ph.D. McG.
Bryce, W. A., M.A. Sask., Ph.D. McG., D.Phil. Oxon.
Daggett, H. M., Jr., B.Sc. Qu., Ph.D. Brown.
Scott, D. S., M.Sc. Alta., Ph.D. Ill.
Dunell, B. A., A.M., Ph.D. Prin., M.A.Sc.
Reid, C., B.Sc., Ph.D. Lond.
Dutton, G. G. S., M.A. Camb., M.Sc. Lond. (on leave)
Hayward, L. D., B.A. Sask., Ph.D. McG.
Starke, K., Dr.Phil. Berl.
Rosenthal, A., B.Ed., M.Sc. Alta., Ph.D. Ohio State
Epstein, N., M.Sc. McG., Eng.Sc. D.N.Y.
Hooley, Mrs. Agnes, B.A. Lectr.
Tully, J. P., M.B.E., B.Sc. Manit., Ph.D. Wash., F.C.I.C. (Chem. Oceanog.) Hon. Lectr.
Wright, R. H., Ph.D. McG., B.A. Hon. Lectr.
Gardner, J. A., Ph.D. McG., M.A. Lectr.

Classics

McGregor, M. F., Ph.D. Cinc., M.A. Prof. and Chairman of Dept.
Riddehough, G. B., A.M. Calif., Ph.D. Harv., M.A. Assoc. Prof.
Grant, W. L., A.M. Harv., Ph.D. Tor., B.A. Assoc. Prof.
Guthrie, P. C. F., B.A. Manit., M.A., Ph.D. Tor. Assoc. Prof.
deGroot, A. W., M.A., Ph.D. Groningen Visiting Prof.
Logan, H. T., M.C., B.A. McG., M.A. Oxon. Prof. Emer. and Sp. Lectr.
Carr, H., B.A., LL.D. Tor. Sp. Lectr.

Commerce, School of

MacPhee, E. D., M.M., B.Ed., M.A. Edin. Prof., Dir. of School.
Bell, D. K., B.Com., M A. Assoc. Prof.
Wong, L. G. J., M.B.A. Calif., B.Com. Assoc. Prof.
Gourlay, C. C., M.Com. Tor., B.Com. Assoc. Prof.

Assistant Professors

Burke, B. E., M.A. Wash., B.Com.
Fields, D. B., B.Com.
Wilkinson, H. C., B.Com.
Oberg, S. M., M.B.A. Wash., B.Com.
Mitchell, C. L., B.Com. Tor.
Thomas, R. D., B.Com. Tor.
Wilson, J. W., B.S., M.B.A. Wash.
Carrothers, A. W. R., LL.M. Harv., B.A., LL.B. (Commercial Law).
Vaughan, D., LL.B. Comm. Law Lectr.
Clerihue, W. R., B.Com. (Accounting) Lectr.
Hall, N. A., B.Com. Instr.
Perkett, W. O., B.S. Oregon Instr.

1 Research Fellow

Honorary Lecturers

Field, F. (Accounting).
Hickernell, L. N., Ph.G. Western Reserve (Hospl. Admin.).
Alsbury, A. T., B.A., B.Ed. (Secretarial Sci.).
Hubbard, F. G., B.A. N. Dakota, M.H.A. Minn. (Hospl. Admin).
Hutton, J., B.Com. (Accounting).
Kirby, L. F. C. (Hospl. Admin.).
Dale, H. E., M.H.A. Minn., B.Com. (Hospl. Admin.).
MacDonald, E. F. (Hospl. Admin.).
Mahoney, R. A., B.A. Manit., M.B.A. Harv.
Leslie, I. T., B.Com.
Loffmark, R. R., B.A. Tor., M.B.A. Penn. Instr.

Dairying

Eagles, B., M.A., Ph.D. Tor., B.A., F.R.S.C.
Dean of Fac., Hd. of Dept., and Prof.
Campbell, J. J. R., Ph.D. Corn., B.S.A. Prof.
Neilson, Nora, Ph.D. Calif., M.S.A. Asst. Prof.

Economics, Political Science and Sociology

Professors

Angus, H. F., B.A., LL.D. McG., B.C.L., M.A. Oxon., F.R.S.C. (Pol. Sc.).
Hd. of Dept., Prof. and Dean of Fac. of Grad. Studies.
Crumb, J. A., B.B.A. Wash., M.S., Ph.D. Calif. (Econ.).
Topping, C. W., B.A. Qu., S.T.D. Wesley Theol. Coll., A.M., Ph.D. Col. (Sociol.). (on leave)
Hawthorn, H. B., M.Sc., B.A. N.Z., Ph.D. Yale (Anthropol.).

Associate Professors

Jamieson, S., M.A. McG., Ph.D. Calif., B.A. (Econ.).
Ronimois, H. E., M.Sc. (Econ.) Tartu, Ph.D. Lond.
Anderson, W. J., M.Sc. Sask., Ph.D. Chic., B.S.A. (Agric. Econ.).
Clark, R. M., A.M., Ph.D. Harv., B.A., B.Com. (Econ.).
Codere, Helen, B.A. Minn., Ph.D. Col. (Anthropol.).
Visiting Lectr.

Assistant Professors

Corbett, D., M.A. Tor. (Pol. Sci.).
Suttles, W., B.A., Ph.D. Wash. (Anthropol.).
Belshaw, C., M.A. N.Z., Ph.D. Lond. (Anthropol.).
Asst. Prof. and Asst. Dir. and co-editor of Federal Govt. Indian Res. Project
Nelson, E. K., Jr., LL.B., M.A Wyoming (Criminol.).
Scott, A. D., M.A. Harv., Ph.D. Lond., B.Com., B.A. (Econ.).
Naegele, K. D., B.A. McG., A.M. Col., Ph.D. Harv. (Sociol.).
Stevens, E. G. B., M.A.
Hon. Lectr. (Criminol.).
Rocksborough-Smith, S., B.A., Dip. Soc.Sc. Tor.
Hon. Lectr. (Criminol.).

Lecturers

The President
(Pol. Sci. and Govt.) Hon. Lectr.
Christie, H., B.A., M.S.W.
(Criminol.) Hon. Lectr.
Campbell, G., M.A. Tor., B.A. (Anthropol.).
Borden, C. E., M.A., Ph.D. Calif. (Anthropol.).
Marsh, G. H., A.B. Col., Dip. Phil. Oxon. (Anthropol.).
Snyder, E. E., B.A. Reed, M.A. Calif., B.Litt. Oxon. (Econ.).
Drummond, G. F., M.A. St. And., M.Sc. (Econ.) Lond. (Econ.).
Prof. Emer. and Sp. Lectr.

Education, School of

McIntosh, J. R., B.A., M.Ed. Sask., Ph.D. Col. Prof., Dir. of Sch.
Argue, K. F., B.A. Alta., M.A. Oxon., Ed.D. Col. Prof. and Dir. of Summer Session.
McLeish, J. A. B., M.A. McG., Ph.D. Corn. Asst. Prof.
Smith, R. N., M.A. Instr.
Lord, A. R., B.A., LL.D. Qu., LL.D. Hon. Lectr.
18 Pt.-time Lectrs.

Engineering, Civil

Professors

Muir, J. F., B.Sc. Manit. Prof., Hd. of Dept.
Finlay, A. H., M.C., M.S. in C.E. Ill., B.A.Sc.
Hrennikoff, A., Grad. Inst. Communication Eng. Moscow, Sc.D. M.I.T., M.A.Sc.
Pretious, E. S., M.Sc. Iowa, B.A.Sc.
Peebles, A., M.Sc. Iowa State Coll., B.A.Sc., B.A.
Lipson, S. L., M.S. Cal. Tech., B.A.Sc.

Associate Professors

de Jong, S. H., M.Sc. Manit.
Heslop, W. G., B.A.Sc. Tor.

Assistant Professors

Bell, H. R., B.A.Sc., Dipl. Survey. Lond.
Hooley, R. F., M.Sc. Stan., B.A.Sc.
Spence, R. A., B.Sc. Alta., M.S. Harv.
Cox, L., B.A.Sc. Demr.
Kania, J. E. A., Ph.D. M.I.T., M.A.Sc. Pt.-time Lectr.
Marris, A. W., M.Sc. Lond., Ph.D. N.Z. Instr.
3 Demrs

Engineering, Electrical

Noakes, F., B.Sc. Alta., M.Sc., Ph.D. Iowa State Coll. Prof., Hd. of Dept.
Morgan, S. C., B.Sc. Qu., M.Sc. Alta., M.S. Cal. Tech. Prof.
Coulthard, W. B., B.Sc. Lond. Prof.
Bohn, E. V., Dr.Rer.Nat. Gött. Asst. Prof.
Kersey, L. R., B.A.Sc. Asst. Prof.
Moore, A. D., M.Sc. Qu., Ph.D. Stan. Asst. Prof.
Clement, B. D., B.A.Sc. Instr.
..... Demr.

English

Professors

Daniells, J. R., Ph.D. Tor., B.A. Hd. of Dept., Prof.
Mawdsley, M. Dorothy, B.A. McG., Ph.D. Chic., M.A. (Dean of Women).
Birney, A. E., M.A., Ph.D. Tor., B.A.
Morrison, E., A.M., Ph.D. Calif., B.A.
Robbins, W., Ph.D. Tor., M.A. (on leave)
Andrew, G. C., B.A. Dal., M.A. Oxon. Prof. and Dep. to the Pres.
Lewis, H. C., M.A.
Creighton, J. H., M.A. Tor.
Read, S. E., M.A. McG.

Associate Professors

Watters, R. E., M.A. Tor., Ph.D. Wis.
Spaulding, J. G., A.B. Pomona, Ph.D. Calif.
Akrigg, G. P. V., Ph.D. Calif., M.A.
Cragg, R. C., M.A., Ph.D. Tor.
Somerset, Dorothy, A.B. Radcliffe. (on leave)

Assistant Professors

Humphrey, Ruth, B.A. Mt. All., M.A. Oxon.

Steinberg, M. W., M.A. Qu., Ph.D. Tor.
Baxter, Edna L., A.M. Wash., B.A.
Larsen, T., M.A. Tor., B.A. Oxon., F.R.S.C.
Prof. Emer. and Sp. Lectr.
Smith, Mrs. Marion B., B.A. Tor., Ph.D. Penn.
deBruyn, J., M.A. Lond., B.A.
Lawrence, J. C., B.A. Lectr.
Mackenzie, Mrs. Mabel, M.A. Tor. Instr.
Lewis, Mrs. Stella, M.A. Lectr.
Baker, R., M.A. Instr.
MacKenzie, Edith, B.A. Sask. Lectr.
Savery, Mrs. Barnet, M.A. McG. Lectr.
Miller, C. W., M.A. Sask. Instr.
McNiven, Catherine, B.A. Dal. Lectr.
Booth, M. R., M.A. Lond., B.A. Lectr.
Sawyer, A. E., B.A. Tor. Instr.
Taggart, W., B.A. Manit., M.A. McG. Lectr.
Tener, R., B.A. Lectr.
King, R., M.A. Tor., B.A. Lectr.
Phelps, A. L., B.A. Tor., F.R.S.C. Lectr.

Forestry, Faculty of

Allen, G. S., Ph.D. Calif., M.A.Sc. (Silviculture)
H. R. MacMillan Prof. and Dean of Fac.
Knapp, F. M., B.S.F. Syracuse, M.S.F. Wash.
Prof., Dir. of Univ. Forest.
Wellwood, R. W., M.F., Ph.D. Duke, B.A.Sc. Prof.
Griffith, B. G., M.F. Harv., Ph.D. Wash., M.A. Assoc. Prof.
Ker, J. W., M.F. Yale, B.A.Sc. Assoc. Prof.
Haddock, P. G., B.S., Ph.D. Calif. Assoc. Prof.
Smith, J. H. G., M.F. Yale, B.S.F. Asst. Prof.
Wilson, J. W., B.S., M.F. Syracuse Asst. Prof.
Taylor, T. M. C., Ph.D. Tor., B.A. Prof. of Bot., Dir. of Botanic Gardens.
Graham, K., M.Sc. McG., Ph.D. Tor., B.A.
(For. Entomol) Prof.
Buckland, D. C., M.F., Ph.D. Yale, B.A., B.S.F.
(For. Pathol.) Assoc. Prof.
Krajina, V., D.Sc. (Nat. Sc.) Prague (Bot) Asst. Prof.
Fenson, K. G., B.Sc.F. Tor.
(Forest Prod.) Hon. Lectr.
Schiedel, I. H., B.A.Sc.
Res. Forester, Univ. Forest.
1 Pt.-time Lectr.
9 Reps from other Facs.

French

Andison, J. G., B.A. Manit., A.M., Ph.D. Col.
Hd. of Dept., Prof.
Dallas, Dorothy, D.Lett. Paris, M.A. Prof.
Hall, G. L., M.A. Camb. Asst. Prof.
Le Gall, L., L. ès L., L. en Dr. Grenoble Asst. Prof.
Jeffels, R. R., B.A., B.Ed. Alta., B.A. Camb. Asst. Prof.
Demarcy, H. (Prof. de français à l'étranger, Paris) Instr.
Pronger, L., D.Lett. Paris, M.A. Instr.
Brearley, Katherine, M.A., D.Lett. Paris Instr.
Edwards, P. M. H., A.M. Col., B.A. Instr.
Tougas, G. R., B.A. Alta., M.A. McG., Ph.D. Stan. Instr.
Bongie, L. L., D. de l'U. Paris, B.A. Instr.
Baldner, R. W., A. B. Miami, M.A. Vanderbilt Instr.
Robert, P. R., M.A. Calif. Instr.

Geology and Geography

Gunning, H. C., S.M., Ph.D. M.I.T., B.A.Sc., F.G.S.A., F.R.S.C.
R. W. Brock Prof., Hd. of Dept. and Dean of Fac. of App. Sc.

Division of Geology

Okulitch, V. J., Ph.D. McG., M.A.Sc., F.G.S.A., F.R.C.S.
(Palæontol. and Stratig.) Prof. and Chairman of Division

Warren, H. V., B.Sc., D.Phil. Oxon., B.A., B.A.Sc., F.R.S.C. (Mineral.) Prof.

White, W. H., Ph D. Tor., M.A.Sc., F.G.S.A. Assoc. Prof.

Thompson, R. M., Ph.D. Tor., M.A.Sc. Assoc. Prof.

McTaggart, K. C., M.Sc. Qu., Ph.D. Yale, B.A., B.A.Sc. Assoc. Prof.

1 Research Associate

Division of Geography

Robinson, J. L., B.A. W. Ont., M.A. Syr., Ph.D. Clark
Prof. and Chairman of Division

MacKay, J. R., B.A. Clark, M.A. Boston, Ph.D. Montr. Assoc. Prof.

Chapman, J. D., M.A. Oxon. Asst. Prof.

Ruggles, R. I., B.A. Tor., M.A. Syr., F.R.G.S. Instr.

German

Hallamore, Joyce, Ph.D. Munich, M.A.
Prof., Chairman of Dept.

Borden, C. E., M.A., Ph.D. Calif. Prof.

Cowie, M. A., M.A. Qu., Ph.D. Chic. Asst. Prof.

Lourié-Jetter, Mrs. Marianne, D.Juris. Vienna, A.M. Stan., Dip. in Soc. Work Asst. Prof.

Cowie, Mrs. Marian L., A.B. Calif., Ph.D. Chic. Lectr.

Taylor, Mrs. Pauline, M.A. Lectr.

McNeely, J. A., M.A. Calif., B.A. Instr.

Farquharson, R., B.A. Lectr.

Anderson, A. R , B.A. Tor. Instr.

History

..... Hd. of Dept., Prof.

Soward, F. H., B.A. Tor., B.Litt. Oxon., F.R.S.C.
Dir. of Internat. Studies and Prof.

Cooke, A. C , B.A. Manit., M.A. Oxon. Prof.

Tucker, G. N., M.A. W. Ont., Ph.D. Camb.
(Canadian H.) Prof.

Ormsby, Margaret A , Ph.D. Bryn Mawr, M.A. Assoc. Prof.

Davies, G. O. B., M.A. Camb. Asst. Prof.

Ho, Ping-ti, B.A. Nat. Tsing Hua, Ph.D. Col. Asst. Prof.

Norris, J. M., M.A. Instr.

Hanrahan, Rev. F. J., M.A. Tor. Instr.

Home Economics, School of

Black, Charlotte S., B.Sc. (H.Ec.) Manit., A.M. Col.
Prof., Dir. of School.

Associate Professors

Morley, Nina H., M.A. Tor.

Holder, Mary, B.Sc. in H.Ec. Mt. All., M.S. Mich. State.

MacFarlane, Margaret, B.Sc. (H.Ec.) Alta., M.S. Col.

Assistant Professors

McEwen, Winnifred J., B.Sc. (H.Ec.) Alta., M.S. Mich. State.

Demchuk, Larissa I., B.Sc. (H.Ec.) Manit., M.Sc. Montr.

Bracher, Winifred J., B.Sc. (H.Ec.) McG., A.M. Col.

Instructors

Ross, Orene J., B.Sc. (H.Ec.) Alta.
Seymour, Marion, B.Sc. (H.Ec.) Manit.

Horticulture

Barss, A. F., A.B. Roch., B.S.Agr. Corn., M.S. Oreg. Agr. Coll., Ph.D. Chic.
Prof. Emer. and Chairman of Dept.
Eagles, Prof B., M.A., Ph.D. Tor., B.A., F.R.S.C.
Actg. Chairman.
Harris, G. H., M.S. Oreg. State Coll., Ph.D. Calif., B.S.A.
Prof.
Hornby, C. A., Ph.D. Corn., M.S.A. Assoc. Prof.
Neill, J. W., M.C., B.S.A. Ont. Agr. Coll.
Asst. Prof. and Assoc. Dir. Botanical Grdns.
1 Pt.-time Instr.

International Studies

Soward, F. H., B.A. Tor., B.Litt. Oxon., F.R.S.C. Dir.
Davies, G. O. B., M.A. Camb.
Asst. Prof.
Ho, Ping-ti, B.A. Nat. Tsing Hua, Ph.D. Col. Asst. Prof.

Law

Professors

Curtis, G. F., LL.B. Sask., B.A., B.C.L. Oxon., LL.D. Dal. and Sask.
Dean of Fac., Prof.
MacIntyre, M. M., B.A. Mt. All., LL.M., S.J.D. Harv.
Kennedy, G. D., M.A., LL.B. Tor.

Associate Professor

Bourne, C. B., B.A. Tor., LL.B. Camb.

Assistant Professor

Carrothers, A. W. R., LL.M. Harv., B.A., LL.B.

Lecturers

The President.
Branca, A., Q.C.
Brown, D. McK., B.Com.
Beckett, K. M., B.A.
Coady, The Hon. Mr. Justice J. M., B.A., LL.D. St. F.X.
Ladner, L. J., Q.C., B.A., LL.B. Tor.
Dryer, V. L., B.A.
McFarlane, M. M., B.A.
McTaggart, D. E., Q C., B.A. McG.
Remnant, S. J., Q.C.
Read, F., LL.B. Manit.
Prof. Emer. and Lectr.
Sheppard, F. A., B.A. Tor., LL.B. Sask.
Tuck, W. D. C., LL.B.
Wilson, The Hon. Mr. Justice J. O.
Watts, A., B.Com.
Hon. Liaison Sec.

Instructors

Todd, E. C. E., LL.M. Manc.
Herbert, R. G., D.F.C., B.A., LL.B.

Mathematics

Professors

James, R. D., Ph.D. Chic., M.A., F.R.S.C. Hd. of Dept., Prof.
Gage, W. H., M.A.
Prof., Dean of Admin. and Inter-Fac. Affairs.
Jennings, S. A., M.A., Ph.D. Tor.
Murdoch, D. C., Ph.D. Tor., M.A.
Derry, D., B.A. Tor., Dr.Phil. Gött.

Associate Professors

Goodspeed, F. M. C., B.Sc. Manit., Ph.D. Camb., M.A. Tor.
Leimanis, E., Mag. Math. Riga, Dr. Rer. Nat. Hamburg.
Simons, W. H., Ph.D. Calif., M.A.
Moyls, B. N., Ph.D. Harv., M.A.

Assistant Professors

Barclay, May L., M.A.
Nash, W., B.A. Puget Sound, M.A. Ph.D. Calif.
(Stats.) Res. Consultant.

Hull, T. E., M.A., Ph.D. Tor.
Marcus, M. D., A.B., Ph.D. Calif. Instr.
Brainerd, B., S.B. M.I.T., M.S., Ph.D. Mich. Instr.
Wisner, R. J., M.A. Ill., Ph.D. Wash. Instr.
Christian, R. R., B.S., M.A., Ph.D. Yale Instr.
Parnall, J. E. A., M.A. Tor., B.A., B.Ed. Lectr.
Stanley, R. L., M.A. Wash., Ph.D. Harv. Lectr.
Horne, E. B., B.A.Sc., B.A. Lectr.
1 Teaching Fellow.

Mechanical Engineering

Richmond, W. O., M.S. Pitt., B.A.Sc. Prof., Hd. of Dept.
Vernon, F. W., B.Sc. (Eng.) Lond. Prof., Lectr. in Aeronautical Engin.
McIlroy, H. M., M.Sc. Qu. Prof.
Wolfe, W., M.Sc. Case Sch. of Ap. Sc., B.A.Sc., B.A. Assoc. Prof.
Parkinson, G. V., M.S., Ph.D. Cal. Tech., B.A.Sc. Asst. Prof.
Green, G. H., B.Sc. Sask., M.S. Ill. Instr.
Boston, R. E., B.A.Sc., M.Com. Tor. Instr.
2 Demrs.

Medicine, v. *infra*

Mining and Metallurgy

Forward, F. A., B.A.Sc. Tor., F.I.M. Hd. of Dept., Prof.
Crouch, L. G. R., B.Sc. Melb., M.Sc. Utah (Min. Eng.) Prof.
Howard, H. M., B.A.Sc. Tor. (Mineral Dressing) Prof.
Armstrong, W. M., B.A.Sc. Tor. (Metall.) Prof.
Samis, C. S., M.Sc. Manit., Ph.D. Lond. (Metall.) Assoc. Prof.
Halpern, J., B.Sc., Ph.D. McG. Asst. Prof.
Warner, J. P., B.Sc. Eng., A.R.S.M. Instr.
Evans, H. G. V., B.Sc. Alta. Res. Assoc.
Myers, H. P., B.Sc., Ph.D. Sheff. Res. Assoc.
Parr, J. G., B.Sc. Leeds, Ph.D. Liv. Res. Assoc.
Smith, J. G., M.A. Res. Asst.
Butters, R. G., M.A.Sc. Res. Asst.

Music

Adaskin, H. Prof.
Adams, Mrs. Jean C. Instr.
Pentland, Barbara Instr.

Nursing, School of

Mallory, H. Evelyn, B.Sc., M.A. Col. Prof., Dir. of School.
Morrison, Ruth, B.S. Minn., A.M. Col. Assoc. Prof.

Assistant Professors

Capelle, Pauline, A.M. Chic., B.A., B.A.Sc.
Horwood, Lorna, B.A. Qu.
McCann, Elizabeth K., B.A., B.A.Sc.
Duncan, Margaret W., M.S. Chic., B.A., B.A.Sc.
7 Pt.-time Lectrs.

Pharmacy, Faculty of

Matthews, A. W., M.Sc. Alta., Ph.D. Florida Prof., Dean of Fac.
Morrison, F. A., M.B.E., B.S.P. Sask., M.Sc. Maryland (Pharm.) Assoc. Prof.

Assistant Professors

Halliday, J. E., B.S.P. Sask., M.S. Purdue (Mat. Med. and Pharmacol.).
Groves, G. A., B.Sc. (Pharm.), M.Sc. Alta. (Pharm.) (on leave).

Lecturers

Counsell, R. E., B.S.P.

Logan, Bernice, B.S.P.
Brown, T. H., M.S. Wash., B.S.P. Instr.
Moir, J. G., B.S.P. Instr.

Philosophy and Psychology

Professors

Chant, S. N. F., O.B.E., M.A. Tor. Hd. of Dept., Dean of Fac. of Arts and Sci. and Prof.
Savery, B., A.B. Wash., A.M., Ph.D. Harv. (Philos.) Prof. and Chairman of Dept.
Maslow, A. P., A.M. Mich., Ph.D. Calif.

Associate Professors

Belyea, E. S. W., M.A. Tor.
MacKay, D. C. G., M.A. Qu., Ph.D. Stan.
Signori, E., B.A. Alta., M.A., Ph.D. Tor.

Assistant Professors

Remnant, P., M.A.
Stroll, A., M.A., Ph.D. Calif.
Kenny, D., Ph.D. Wash., M.A.

Lecturers

Black, W. G., M.A., Ph.D. Chic., B.A.
Gibson, W. C., M.Sc. McG., D.Phil. Oxon., M.D., C.M. McG., B.A.
Sampson, D. G., M.A. Tor.
Rabinovitch, M. S., M.Sc. McG., Ph.D. Purdue
Potashin, Reva, M.A., Ph.D. Tor. Instr.
Carr, H., M.A., LL.D. Sp. Lectr.

Physical Education, School of

Osborne, R. F., B.A., B.Ed. Assoc. Prof., Dir. of School.
Penney, Mrs. Marian, B.A. Tor., A.M. Texas State Coll. for Women Assoc. Prof.
Whittle, H. D., B.P.H.E. Tor., M.S. Oregon Assoc. Prof.

Assistant Professors

Leeming, Marjorie, B.A. Asst. Prof., Asst. to Dean of Women.
Pomfret, J., B.A. (Health and P.E.) Wash.
Laithwaite, A. B., Dip. in Phys. Ed. Carnegie Phys. Tr. Coll.
Brown, Mrs. Lorne, B.Sc. (Phys. Ed.) McG. Lectr.
Lewis, Shirley, B.P.E. Lectr.
Mitchell, R., B.P.E. Instr.
Barnes, Carol, B.A. Alta., M.S. George Williams Coll. Instr.
Beck, Marjorie, B.F. Russell Sage. Instr.
Coryell, D. D., B.A., M.S. Wash. Instr.
Bancroft, Diane, A.M. Smith, B.P.E. Instr.
Phillips, R. J. Instr. and Co-ordinator of Athletics

Physics

Professors

Shrum, G. M., O.B.E., M.M., M.A., Ph.D. Tor., F.R.S.C. Prof., Hd. of Dept.
Crooker, A. M., B.A. McM., M.A., Ph.D. Tor.
Mann, K. C., O.B.E., B.A. Sask., M.A., Ph.D. Tor.
Volkoff, G. M., M.B.E., Ph.D. Calif., M.A., D.Sc., F.R.S.C.
Warren, J. B., B.Sc., Ph.D. Lond., D.I.C., F.I.P.
Pickard, G. L., M.B.E., M.A., D.Phil. Oxon.

Associate Professors

Opechowski, W., Mag. Fil. Warsaw.
Clark, A. R., M.Sc. Sask., Ph.D. Tor.
Kaempffer, F. A., Dipl. Ing., Dr. Rer. Nat. Gött.
Blüh, O., Dr. Rer. Nat., D. Phys. Prague, F.I.P.

Assistant Professors
Koppe, H., Dipl. Ing. Danzig, Dr. Rer. Nat. Berl.
Barnes, C. A., M A. Mcm. and Tor., Ph.D. Camb. (on leave).
Theimer, O., Dr. Rer. Nat. Munich, Dipl. Chem. Munich.
Brown, J. B., D.Phil. Oxon., M.A.
Daniels, J. M., M.A., D.Phil. Oxon.
Scovil, H. E. D., M.A., D.Phil. Oxon.

Lecturers
Marris, A. W., M.Sc. Lond., Ph.D. N.Z.
Usiskin, S. R., B.Sc. Manit.

Part-time Lecturer
Clark, R. J., B.A. McG., Ph.D. Camb.

Research Fellows
Blakemore, J. S., B.A., Ph.D. Lond.
Darling, E. B., B.Sc., Ph.D. Brist.
Eades, R. G., Ph.D. St. And.
Erdman, K. L., M.Sc. Alta., Ph.D.
James, D. B., B.A. Wales, Ph.D. Camb.
Stacey, F. D., B.Sc., Ph.D. Lond.
2 Demrs.

Poultry Husbandry
Biely, J., M.S. Kansas State Coll., M.S.A. Prof., Hd. of Dept.
Hicks, A. F., Jr., Ph.D. Calif., B.S. Kentucky Asst. Prof.
March, Mrs. Beryl E., B.A. Instr.

Slavonic Studies
St. Clair-Sobell, J. O., M.A. Melb., Ph.D. Graz Prof., Hd. of Dept.
Ronimois, H. E., M.Sc. (Econ.) Tartu, Ph.D. Lond. (on leave) Assoc. Prof.
Wainman, A. W., M.A. Oxon.
Bryner, C., A.B. Stan., Ph.D. Prague. Assoc. Prof.

Assistant Professor
Kuipers, A. H., B.A. Utrecht, M.A. Amst , Ph.D. Col.

Special Lecturers
Rose, W. J., B.A. Manit., M.A. Oxon., Ph.D. Cracow, F.R.Hist.S., F.R.S.C.
Halpert-Scanderberg, T., Staatl. Dipl. Leipzig.
Isaak, P D., Cand. Phil. Leningrad.
deGroot, A. W., M.A., Ph.D. Groningen.
Reischer, O., B.A. Mich., M.A. Col.

Lecturer
Carlsen, Irina M., B.A.

Part-time Lecturer
Barbashoff, V. I. (Russian).

Instructor
Ruggles, R. I., B.A. Tor., M.A. Syr.

Social Work, School of
Smith, Marjorie J., A.B. Minn., A.M. Chic. Prof., Dir. of Sch.
Marsh, L. C., B.Sc. (Econ.) Lond., M.A., Ph.D. McG.

Associate Professors
Dixon, W. G., A.M. Chic., B.A.
Thomas, Elizabeth V., A.B. Wesleyan Coll., M.S. Col.
Exner, Mrs. Helen, B.A. Vassar, M.S.S. Smith
McCrae, Mrs. Helen, B.A., B.S.W.

Instructors
Furness, Anne, B.A. McG., M.S.W.
Robinson, Mrs. Phyllis, B.A. Ohio Wesleyan, M.Sc. W. Reserve.
Marriage, A., M.A. Lond.
Abrahamson, A. C., B.A., B.S.W. Minn.
Fowler, D., Dip.S.W. Instr.

Field-Work Instructors
Tadych, Mrs. M., B.A. Manc., M.S.W.
Cunliffe, Muriel, M.S.S. Smith, B.A., B.S.W.
8 Pt.-time Lectrs. and 3 Pt.-time Field-Work Instrs.

Spanish

Andison, J. G., B.A. Manit., A.M., Ph.D. Col. Hd. of Dept.
Brooke, C. V., B.A. Qu., A.M., Ph.D. Harv. Assoc. Prof.
McDonald, J. A., M.A. Asst. Prof.
Edwards, P. M. H., A.M. Col., B.A., F.T.C.L. Lectr.
Arriola, P. M., A.B. San Diego, M.A. Calif. Lectr.
Davison, Mrs. Emilia Lectr.

Zoology

Professors

Cowan, I. McT., Ph.D. Calif., B.A., F.R.S.C. Hd. of Dept., Prof.
Hoar, W. S., B.A. New Br., M.A. W. Ont., Ph.D. Boston (Zool. and Fisheries).
Graham, K., M.Sc. McG., Ph.D. Tor., B.A. (Forest Entomol.).

Associate Professors

Adams, J. R., M.Sc., Ph.D. McG.
Cameron, W. M., M.A., Ph.D. Calif. (Oceanog.).
Ford, P., B.Sc., Ph.D. Lond., F.L.S.

Assistant Professor

Larkin, P. A., M.A. Sask., D.Phil. Oxon.

Instructors

Hatter, J., B.A., Ph.D. Wash. State.
Udvardy, M. D. F., Ph.D. Debrecen.

Lecturers

Mahon, Elizabeth F., B.Sc. Dal., M.A. Calif.
Carter, M. N., M.A.Sc., Ph.D. McG. Hon. Lectr.
Lindsey, C. C., Ph.D. Camb., M.A. Hon. Lectr.
Spencer, G. J., B.S.A. Tor., M.S. Ill. Prof. Emer., Sp. Lectr.
Clemens, W. A., M.A. Tor., Ph.D. Corn., F.R.S.C. Prof. Emer. Sp. Lectr. and Dir. of Insts. of Oceanog. and Fisheries.

Medicine

Weaver, M. M., A.B. Wheaton, M S., Ph.D., M.D. Chic, F.A.C.P., F.R.C.P. Can. Prof., Dean of Fac.
Darrach, M., Ph.D. Tor., M.A. Prof. and Asst. to Dean.

Anatomy

Friedman, S. M., B.A., M.D., C.M., M.Sc., Ph.D. McG. Prof., Hd. of Dept.
Constantinides, P., M.D. Vienna, Ph.D. Montr. Assoc. Prof.
Friedman, Mrs. Constance L., M.Sc., Ph.D. McG. Res. Assoc. Prof.
Miller, S., M.Sc., M.D., C.M. McG. (Anat.). Clin. Asst. Prof.
Johnstone, F. R. C., M.B., Ch.B. Edin., F.R.C.S.Ed. Lectr.
Fiddes, I. H., M.D. W. Ont. Instr.
3 Demrs., 2 Teaching Fellows.

Biochemistry

Darrach, M., Ph.D. Tor., M.A. Prof., Hd. of Dept.

Associate Professors

Zbarsky, S. H., B.A. Sask., M.A., Ph.D. Tor.
Polglase, W. J., Ph.D. Ohio State, M.A.

Honorary Lecturers

Biely, J., M.S. Kansas State Coll., M.S.A.
Campbell, J. J. R., Ph.D. Corn., B.S.A.
Eagles, Blythe, M.A., Ph.D. Tor., B.A., F.R.C.S.
Goranson, E. S., Ph.D. Tor., M.A.
3 Instrs., 1 Teaching Fellow

Medicine

Kerr, R. B., O.B.E., M.D., M.A. Tor., F.R.C.P. Can., F.A.C.P. Prof., Hd. of Dept.

Evelyn, K. A., B.Sc., M.D., C.M. McG., F.R.C.P.Can. Pt.-time Res. Prof.

Whitelaw, D. M., M.D., C.M. McG., B.A., F.R.C.P. Can. Assoc. Prof.

Clinical Professor

Strong, G. F., B.S., M.D. Minn., F.A.C.P., F.R.C.P. Can.

Clinical Associate Professors

Baird, M. M., B.A. New Br., B.A., B.M., B.Ch. Oxon., F.R.C.P. Can.

Boyd, R. W., B.Sc. Alta., M.D., C.M. McG. (Radiol.).

Gould, C. E. G., M.D. S. Cal., B.A. (Neurol.).

Hatfield, W. H., M.D. Tor.

Williams, D. H., M.D., B.Sc. Manit., M.Sc. Minn. (Dermatol.).

Kincaide, G. F., M.D., C.M. McG.

Part-time Assistant Professors

Eden, J., M.B., B.S. Durh. (Appl. Biochem.).

Perry, W. H., M.D. Tor., F.R.C.P. Can. (Clin. Microscopy).

Clinical Assistant Professors

Bagnall, A. W., M.D. Tor., B.A., F.R.C.P. Can.

McNair, A. Y., M.C., M.B. Tor.

Munro, D. S., B.Sc. Sask., M.D. Manit.

Palmer, R. A., M.D., C.M. McG., B.A., F.R.C.P.Can., F.A.C.P.

Walker, J. E., M.B.Tor.

Clinical Instructors

Auckland, N. L. D., B.A. Sask., M.D. Manit. (Neurol.).

Beck, R. E., M.D., C.M. Qu., F.R.C.P. Can.

Bogoch, A., M.D., B.Sc. (Med.) Tor., F.R.C.P. Can.

Boxall, E. A., M.D., C.M. Qu., F.R.C.P. Can.

Boyce, K. C., M.D., C.M. Qu.

Caldwell, J. W. G., M.D. Alta., F.A.C.P.

Campbell, C. G., M.Sc., M.D., C.M. McG., F.R.C.P. Can.

Christopherson, E. F., B.Sc. Sask., M.D. Manit., F.A.C.P., F.R.C.P. Can.

Covernton, C. C., M.D., C.M. McG., B.A.

Dekaban, A., M.D. Warsaw, M.Sc. McG. (Neurol.).

Fahrni, B. M., M.D. Manit., F.R.C.P. Can.

Feldstad, E. T., M.D. Manit.

Hertzman, V. O., M.D. Tor., F.R.C.P. Can.

Hurlburt, F. W. B., B.Sc. Sask., M.D. Tor., F.R.C.P. Can.

Johnson, A. M., M.D. W. Ont., F.R.C.P. Can.

Kanee, B., M.D. Manit. (Dermatol.).

Mathisen, A. K., M.D., C.M. McG., B.A., F.R.C.P. Can.

Morse, P. W., B.A. Sask. and Oxon., B.M., B.Ch. Oxon.

Moscovich, B. B., M.D. Alta.

Moscovich, J. C., M.D., C.M. McG., F.A.C.P.

Mowat, D., M.D. Manit., F.R.C.P. Can.

McIntosh, H. W., M.B. Camb., M.D., C.M., M.Sc. McG., F.R.C.P. Can.

MacKenzie, H. A., M.D. Tor.

McLean, T. K., M.D. Alta., F.R.C.P. Can.

Paige, B., M.B., B.S. Syd.

Parnell, J. L., M.B., Ch.B. Edin., B.A., F.R.C.P. Can.

Reid, J. A. G., M.D. Tor., F.R.C.P. Can.

Rennie, C. S., M.D. Manit.

Robinson, C. E. G., M.D., C.M. Qu., F.R.C.P. Can.

Scott, H., B.Sc. Alta., M.D., C.M. McG.

Shallard, B. T., M.B., Ch.M. Syd., M.D. Melb.
Simpson, W. W., M.A., Ph.D., M.D. Tor., B.A., F.R.C.P. Can., F.A.C.P.
Slade, H. C., M.D., C.M. Dal., F.R.C.P. Can.
Stansfield, H., M.Sc., M.D. Alta.
Traynor, J. A., B.A. Sask., M.D. Tor., F.R.C.P. Can.
Trueman, G. E., M.D. Manit.
Walsh, G. C., M.D., C.M., M.Sc. McG., F.R.C.P. Can.
Walters, M. B., M.D. Manit., F.R.C.P. Can.
Zeldowicz, L., M.D. Warsaw (Neurol.).
1 Demr., 1 Fellow

Neurological Research

Gibson, W. C., M.Sc., M.D., C.M. McG., D.Phil. Oxon., B.A.
Kinsmen Prof. of Neurol. Res. and Chairman of Dept.
Kennard, Margaret A., A.B. Bryn Mawr, M.D. Corn.
Assoc. Prof.
Rabinovitch, M. S., M.Sc. McG., Ph.D. Purdue
Res. Psychologist
1 Senior Researcher

Obstetrics and Gynæcology

Agnew, A. M., M.D. Tor., F.R.C.S. Can. Prof., Hd. of Dept.
Bryans, F. E., M.B., B.Sc. in Med. Tor., F.R.C.S. Can.
Asst. Prof.
Harrison, J. E., M.D., C.M. McG.
Clin. Assoc. Prof.
Hunt, A. L., M.D., C.M. McG.
Clin. Asst. Prof.
Trites, A. E., M.D., C.M. McG.
Clin. Assoc. Prof.
Johnston, F., M.D. Alta., F.R.C.S., F.A.C.S. Clin. Asst. Prof.

Clinical Instructors

Bie, W. F., B.Sc. Sask., M.D., C.M. McG.
Caple, H. E., M.D. Tor., D.P.H. Tor., F.R.C.O.G.
Collison, D. B., M.D., C.M. McG.
Henderson, H. A., M.D. Tor.
McDonagh, J. E., M.D. Manit.
Claman, A. D., M.D. Qu., F.R.S.C. Can.
Herstein, A., M.D. Manit.
Millar, J. W., M.D. Manit.
Smith, G. G., M.D. Tor., F.R.S.C. Can.
Turko, M., M.D. Tor.
Tysoe, W. F., B.Sc., M.D. Alta.

Pædiatrics

McCreary, J. F., M.D. Tor.
Prof., Hd. of Dept.
Young, M. D., M.A., M.B., B.Chir. Camb., F.R.C.P. Can.
Asst. Prof.
Paterson, D. H., B.A. Manit., Ch.B., M.D. Edin., F.R.C.P. Lond. and Can. Clin. Prof.

Clinical Associate Professors

Davies, J. R., M.D., C.M. Qu.
Wilson, R. A., M.D., C.M. McG., B.A., F.R.C.P. Can.

Clinical Assistant Professors

Grant, J. H. B., M.D., C.M. McG.
Hardyment, A. F., M.D. Manit.
James, E. S., M.D. Tor.
Whitelaw, J. W., M.D., C.M. McG., B.A.
Matthews, G. O., M.D., C.M. McG., M.D. Manit.
Robinson, G. C. F., M.D., C.M. McG.
Spohn, P. H., M.D. Tor., F.R.C.P. Can.

Honorary Lecturers

Kinsman, R. P., M.D., C.M. McG.
Spohn, H., M.B. Tor., F.R.C.P. Can.

Clinical Instructors

Baker, H., M.D. Tor.

Campbell, K. A., M.D., C.M. McG.
Gayman, G. R., B.A., M.D. Tor.
MacLennan, Jean M., M.D. Edin., D.P.H. Glas.
Piters, J., M.D. Tor., B.A.
Stockton, W. H. S., M.D. Tor.
Treffry, C. J., M.D. Tor.
2 Demrs., 3 Fellows.

Pathology

Taylor, H. E., M.D., C.M. Dal. Prof., Hd. of Dept.
Fidler, H. K., M.D., B.Sc. Manit. Pt.-time Assoc. Prof.
Eden, J., M.B., B.S. Durh. Pt.-time Asst. Prof.

Instructors

Clarke, R. S., M.D. Tor., B.A.
Maxwell, I. D., B.Sc. Brist., M.B., Ch.B. Edin.
Nicholson, G. A., M.D. Tor., B.A. Pt.-time Instr.
Coady, C. J., M.D., C.M. McG., B.A.
1 Museum Curator.
1 Research Fellow

Pharmacology

Foulks, J. G., B.A. Rice, Ph.D. Johns H., M.D. Col. Prof., Hd. of Dept.
Daniel, E. E., M.A. Johns H., Ph.D. Utah Asst. Prof.
Harmon, T. R., M.D. Alta. (Med. Jurispr.) Lectr.
Dower, G. E., M.B., B.S. Lond. Instr.
1 Teaching Fellow.

Physiology

Copp, D. H., B.A., M.D. Tor., Ph.D. Calif. Prof., Hd. of Dept.
Black, E. C., M.B.E., B.A. McM., Ph.D. Penn., M.A. Assoc. Prof.
Kennard, Margaret A., A.B. Bryn Mawr, M.D. Corn. Pt.-time Assoc. Prof.
Wolff, J., M.A., Ph.D. Calif., M.D. Harv. Asst. Prof.
1 Research Fellow
1 Senior Demr.

Psychiatry

Ross, W. D., M.D., B.Sc. Manit., F.R.C.P. Can. Prof., Hd. of Dept.
Stevenson, G. H., M.D. Tor., F.R.S. Can. Res. Prof.
Gee, A. M., M.D., C.M. Qu. Clin. Assoc. Prof.
Davidson, G. A., M.D. Manit., F.R.C.P. Can., F.A.C.P. Clin. Assoc. Prof.

Lecturers

Gundry, C. H., M.D. Tor.
Hutton, G. H., M.D., D.P.H. Tor.
Thomas, J. C., M.A., M.B. Tor.
Warren, A. J., M.D. Manit.

Clinical Instructors

Davidson, A. E., M.D. Alta., B.A.
McNair, F. E., M.D., C.M. McG., B.A.
Zeldowicz, H., M.D. Rome
Powles, W. E., B.A., M.D., C.M. McG.
Whitman, R. L., B.Sc. Sask., M.D., C.M. McG.
2 Research Workers in Narcotic Addiction Study.

Public Health

Mather, J. M., M.D. Tor., D.P.H. Tor. Prof., Hd. of Dept.
Nelson, A. J., M.B., Ch.B. Glas. Pt.-time Assoc. Prof.

Asst. Profs. (Pt.-time)

Elliot, G. R. F., M.D., C.M. Qu., D.P.H. Tor.
Murray, S. S., M.D., D.P.H. Tor.

Honorary Lecturer

Amyot, G. F., M.B. Tor., D.P.H. Tor. (Admin.).

Lecturers

Adams, J. R., M.Sc., Ph.D. McG. (Parasitol.).
Spencer, G. F., B.S.A. Tor., M.S. Ill. (Entomol.)

Surgery

Robertson, H. R., B.Sc., M.D. McG., F.R.C.S. Ed. and Can., F.A.C.S. Prof., Hd. of Dept.

McKenzie, A. D., M.D. Alta., F.R.C.S. Can., F.A.C.S. Exec. Officer and Asst. Prof.

Sargeant, T. R., M.D. Tor., B.A., F.R.C.S. Eng. and Can. Clin. Prof.

Clinical Associate Professors

Appleby, L. H., M.D. Qu., F.R.C.S. Eng. and Can, F.A.C.S.

Balfour, J. A., M.D. Alta., F.R C.S. Can.

Francis, G. H., B.A., M.D. W. Ont.

Graves, H. B., B.A., M.D., C.M. McG.

Leeson, L. H., M.D., C.M. McG., F.A.C.S.

Neilson, J. R., M.B. Tor., F.A.C.S.

Patterson, F. P., M.D., C.M. McG., F.R.C.S. Can., F.A.C.S.

Turnbull, F. A., M.D. Tor., B.A.

McLean, J. A., M.D. Tor.

Clinical Assistant Professors

Harrison, W. E., M.D. Manit., F.A.C.S.

Henry, A. T., M.D. Tor., F.R.C.S. Ed.

Huggard, L. H. A. R., M.D. Tor., F.A.C.S.

Langston, F. R. G., M.D. Alta., F.A.C.S.

McConkey, A. S., M.D. Alta.

Clinical Instructors

Alexander, E. H., M.D. Manit.

Alexander, J. D. F., M.D., C.M. McG., F.R.C.S. Can.

Allen, C. S., M.D., Ch.M. Manit., M.S. Minn., F.R.C.S. Can., F.A.C.S.

Arbuckle, J. W., Jr., M.D., C.M. McG., F.R.C.S. Can.

Attridge, F. R., M.D. Manit.

Austin, W. E., M.D. Manit., F.R.C.S. Ed. and Can., F.A.C.S.

Badger, G. A., M.D. Alta.

Battle, C. E., M.D., C.M. McG.

Blair, N. J., B.Sc., M.D. Manit.

Boucher, H. H., M.D., C.M. McG., M.Sc. Iowa.

Burke, G. L., B.Sc., M.D. Alta.

Carroll, J. J., B.A. Bishop's, M.D., C.M. McG.

Chambers, H. L , B.A. Sask., M.D. Tor.

Charlton, W. J., M.D. Manit., F.R.C.S. Can.

Cluff, J. W., B.Sc. Sask., M.D. Manit., F.R.C.S. Can.

Cooper, H. G., B.A., M.D. Alta.

Cowan, R. J., M.D. Tor., F.R.C.S. Can.

Davies, C. E., M.D. Alta.

Davies, Lois, M.D. Tor.

Elliot, J. A., M.D. Tor., F.R.C.S. Ed. and Can., F.A.C.S.

Ellison, Lucille, M.D. Manit.

Evans, A. M., M.D., C.M. McG., D.M.R.E. Camb.

Fahrni, W. H., M.D. Manit., F.R.C.S. Ed. and Can.

Fleming, K. O., M.D., C.M. McG., B.A.

Fratkin, L. B., B.Sc., M.D. Alta., F.R.C.S. Can.

Ganshorn, J. A., M.D. Manit., M.S. Minn.

Gillespie, H. S., M.D. Tor., F.R.C.S. Can.

Gourlay, R. H., M.D., C.M. McG., F.R.C.S. Can.

Grauer, F. W., M.D., C.M. McG., B.S.A., F.R.C.S. Ed. and Can., F.A.C.S.

Hall, E. R., B.Sc., M.D. Alta.

Hall, W. M., M.D. Alta.

Hardie, Margaret F. B., M.B. Tor.

Hugill, Jean T., B.Sc., M.D. Alta.

Irving, J. A., M.D. Qu.

Johnston, G. C., B.A., M.D. Alta., F.R.C.S. Can.

Kester, H. A., B.A., M.D. W. Ont.
Large, G. C., M.D. Tor.
Lehmann, E. C. H., M.D. Tor.
Lehmann, P. O., M.D. Manit.
Lockhart, H. B., B.Sc. New Br., M.D. Tor.
McCaffrey, J. A., M.D. Tor.
MacCrostie, M. W., M.D. Alta.
MacDougall, J. A., M.D. Manc., F.R.C.S. Eng. and Can.
McFetridge, S. A., M.D. Manit., F.R.C.S. Ed.
McKechnie, R. E., M.D., C.M. McG.
MacMillan, A. A., M.D., C.M. Qu.
Manson, A. B., M.D., C.M. McG.
Minnes, J. F., M.D. McG.
Moffatt, R. G., M.D. Manit., D.M.R.E. Camb.
Morton, W. A , M.B., Ch.B. Edin., F.R.C.S. Ed.
Murray, D. F., B.A., M.D., C.M. McG.
Nash, R. D., M.D. Tor., D.M.R.T. Lond.
Osler, T. R., M.D., C.M. McG., F.R.C.S. Can.
Paine, R. J., M.D., C.M. McG., B.A.
Percheson, P. B., M.D., C.M. Qu., F.R.C.P. Can.
Perrett, T. S., B.A., M.D. Tor., F.R.C.P. Can.
Poole, J. C., M.D. Manit.
Preston, F. C., M.D., B.Sc. Tor., F.R.C.S. Can.
Randall, H. S., B.A. New Br., M.D., C.M. McG.
Raynor, E. F., M.D., C.M. Qu.
Rees-Davies, P., F.R.C.S. Eng. and Can., F.A.C.S.
Robertson, R., M.D. Tor., F.R.C.S. Can., F.A.C.S.
Robins, R. E., M.D. W. Ont.
Sands, C. A., B.A. Sask., M.D. Tor.
Saxton, G. D., M.D. Manit., F.R.C.S. Ed.
Simpson, D. G., M.B., Ch.B. N.Z., F.R.C.S. Eng. and Ed., D.O.M.S. Lond.
Starr, D. E., M.D. Tor., F.A.C.S.
Stewart, A. J., M.D. McG., B.A.
Sutherland, W. H., M.D., C.M. McG., F.R.C.S. Can.
Tanton, B. W., M.D. McG.
Taylor, W. R., B.Sc. New Br., M.D., C.M. McG.
Thompson, W. J., B.Sc. Sask., M.D. Manit., F.R.C.S. Can.
Thomson, F. B., B.A., M.D. Tor., F.R.C.S. Can.
Webb, E., M.D. W. Ont.
Williams, L. R., M.D. McG., F.R.C.S. Ed.
Wilson, R., M.D., C.M. McG., F R.C.S. Eng. and Can.
Wilson, W. M. G., B.A. McM., M.D. Tor.
Wood, L. G., M.D. Alta., F.R.C.S. Can.
Woodsworth, R. S., M.D. Manit.

University Extension

Friesen, J. K., D.F.C., B.A. Manit., A.M., Ed.B. Col. Dir.
Haar, J., B.A. Asst. Dir.
Somerset, Dorothy, A.B. Radcliffe (Dramatics) (on leave) Asst. Prof.
Barton, N., M.A. (Audio-Visual Educn.) Supervisor.
Smith, Marjorie V., B.A. Sask., M.S.W. Family Life and Group Development. Supervisor.
Cross, Eileen, B.Sc. in H.Ec. Manit. (Home Econ.) Supervisor.
Selman, G. R. (Citizenship and Evening Classes) Supervisor.
Mills, J. F. (Arts and Handicrafts) Supervisor.
Des Champs, A., B.S.A. Manit. (Agric.). Instr.

Stewart, Edith, B.A. Manit., B.S. in L.S. Wash.
Extension Librarian.
Hankins, Nora, B.A. McG.
Recordings Librarian.

University Health Service

Young, A. K., M.B., Ch.B. Glas.
Dir., Univ. Health Service.
Hebb, F. J., M.D. Dal.
Physician and Dep. Dir.
Clokie, J. K. A., M.D. Manit.
Staff Physician.
Gundry, C. H., M.D. Tor.
Consultant Psychiatrist.
Miller, S., M.D., C.M., M.Sc., D.R.T. McG.
Consultant Radiologist.

Public Health Nurses

Uphall, Muriel, B.A.Sc.
Nursing Supervisor.
DeBrincat, Mrs. Ruth R.
Ladner, Dorothy, B.A.Sc.
Clark, Mrs. Mary
McCormack, Anne M.

Counselling, Placement, Staff Personnel, Veterans' Services

McLean, J. F., D.S.O., B.A.
Dir. of Student and Personnel Services.
Shirran, A. F., M.A. Counsellor.
Crompton, Onesia, B.A.
Asst. Counsellor.

ADMINISTRATIVE AND OTHER STAFF

Dir. of Summer Session: K. F. Argue, B.A. Alta., M.A. Oxon., Ed.D. Col. Asst. to Dean of Women: Marjorie Leeming, B.A. Sr. Don, Mary Bollert Hall: Katherine Brearley, D.Lett. Paris, M.A.; Jr. Don, Isabel MacInnes Hall; Marjory Beck, B.S. in P.E., M.A. Russell Sage Coll.; Jr. Don, Anne Wesbrook Hall: Phyllis Cooper, B.S.P., Ph.D. Calif., M.S.A. Housing Administrator: A. R. Baird. Purchasing Agent: H. A. LeMarquand. Accountant: W. White. Supt. of Bldgs. and Grounds: J. D. Lee. Univ. Book Store and Post Office: J. A. Hunter (Manager and Postmaster). Dir. Food Services: .....; Asst. Dir. Food Services: Ruth Blair, M.S. Corn., B.H.E.; Dietitians in Charge: Fort Camp, Mrs. Verna Heathfield, B.Sc. (H.Ec.) Manit., Acadia Camp, Eileen Bacon, B.H.E., Cafeteria, Yvonne Pearson, B.Sc. (H.Ec.) Alta. Hon. Curator of Herbarium: J. W. Eastham.

AFFILIATED COLLEGES

VICTORIA COLLEGE, Victoria, B.C. (*Telephone*: Beacon 4931.) Affiliated, 1920, for 1st and 2nd yrs. in Arts. W. H. Hickman, D.Lett. Paris, M.A., Principal, Prof. of French. 7 Assoc. Profs., 10 Asst. Profs., 1 Instr.

UNION COLLEGE OF BRITISH COLUMBIA (United Church of Canada), Vancouver, B.C. (*Telephone*: Alma 0522.) Affiliated, 1922. Principal—Rev. W. S. Taylor, M.A. Emmanuel, B.D., Ph.D. Tor.

ANGLICAN THEOLOGICAL COLLEGE OF BRITISH COLUMBIA, Vancouver, B.C. (*Telephone*: Alma 0440.) Affiliated, 1922. Principal—Rev. W. A. Ferguson, M.A. Oxon., D.D. Emmanuel.

GENERAL INFORMATION

The University of British Columbia was incorporated by an Act of 1908. The Univ. site consists of 548 acres on the headland of Point Grey, 300 feet above the sea. Here a group of bldgs. constructed at a cost of nearly $2,000,000 was opened in 1925.

The Bd. of Governors consists of the Chancellor, elected by Convocation, President, and 9 persons—3 elected by the Senate and 6 apptd. by the Lieut.-Govr. in Council. The Senate consists of the Chancellor, Pres. (as Chairman), Deans, and 2 Profs. of each Fac., 3 nominees of the Lieut.-Govr. in Council, Principals of normal schools, one member elected by high school Principals and Assts., one by each affiliated Coll. in the Province, 15 by Convocation, one by the B.C. Teachers' Federation.

The Univ. is an integral part of the public educational system of the Province, and its function is to complete the work begun in the public and high schools. It is the policy of the Univ. to promote educn. in general and, in particular, to serve its constituency through 3 channels—teaching, res. and extension work. It furnishes instrucn. in the various branches of a liberal educn., and in those technical depts. which are most directly related to the life and industries of the Province. The people of the Province are informed of the results of sp. work by the staff of the Univ. through the Dept. of University Extension.

The LIBRARY has 275,000 vols. and about 25,000 pamphlets, and regularly receives 900 periodicals. It is one of the 3 Canadian depositories of the Library of Congress Catalogue, and possesses a Carnegie Corporation Music Set. LABORATORIES available for all courses. A Forest Products Lab. was established in 1918 by the Forestry branch of the Dept. of the Interior as a permanent branch of the F.P. Labs. of Canada. HERBARIUM, 16,000 sheets native flora, 200 water-colours of B.C. fungi. BOTANICAL GARDENS, Arboretum and Economic Section, 5 acres.

DEANS. *See* p. 713.

UNIVERSITY RESEARCH FOREST, an area comprising a solid block of land about 7 miles long and 2½ miles wide N. of the town of Haney, was granted to the Univ. by the Prov. Govt. in March 1949. The CAMPUS FOREST consists of a narrow belt S. and W. of the Univ. and acts as a demonstration and field study area for For., Biol., Bot. and Zool.

MUSEUMS. (1) Anthropological Museum—Burnett Collection of South Seas and other ethnological specimens, housed on the first floor of the Library; the Raley collection of Indian artifacts donated by Dr. H. R. MacMillan; the Buttiner collection of Indian baskets; the Mitchell Pierce collection of Eskimo clothing and utensils; and numerous other valuable collections. (2) The Geological and Geographical Museum in the Forestry and Geology Bldg. (3) The Zoological Museum in Biological Sciences Bldg. (4) The Botanical Collections and Herbarium.

THE BRITISH COLUMBIA RESEARCH COUNCIL, established in 1944, has its headquarters and labs. on the campus. It works in close co-operation with the sci. depts. of the Univ. and its programme includes fundamental and appl. res. Staff of 39, of which 25 are professional scientists and engineers.

CONNAUGHT MEDICAL RESEARCH LABORATORIES (WESTERN DIVISION). In 1935, under co-operative arrangement with Provincial Dept. of Health of B.C. and the Connaught Med. Res. Labs. of the Univ. of Toronto, the latter Instn. established a Western Division on the campus. Now situated in the Wesbrook Building. Res. projects in microbiol. as applied to pub. health and prev. med. are pursued here in conjunction with students and staff of Dept. of Bacteriol. and Immunol. in collaboration with Division of Labs. of Provincial Dept. of Health.

ART CENTRE. Opened 1948 as a memorial to the late Dean Mary L. Bollert. It is included among the activities of the Fine Arts Cttee., and is under the

joint supervision of the Visual Arts Cttee. and the Handicrafts Cttee. The Art Centre includes a Workshop and an Art Gallery. The Workshop gives courses in ceramics, painting, sculpture, weaving and other appl. arts, which are open to students, staff and extra-mural registrants but do not carry academic credit. The Art Gallery maintains a continuous display of loan exhibitions. Curator: R. Boux.

ADMISSION. Matriculation examns., Junior and Senior, are arranged by the High School and Univ. Matricn. Board of the Province, consisting of members appointed by the Dept. of Education and by the Univ. Every student is medically examined on entrance to the University. *See also* Appendix I.

DEGREE COURSES. B.A., B.H.E., B.P.E., 4 yrs. (3 from Sr. Matricn.). B.Com., B.A.Sc. in Appl. Sci., B.S.F. (Forestry), 5 yrs. (4 from 1st yr. in Arts or Sr. Matricn.). B.Arch. (5 yrs. from Sr. Matricn. or 1st yr. Arts). B.S.A., 4 yrs. from Jr. Matricn. LL.B., 3 yrs. (from 2nd yr. in Arts and Sci.). B.S.P., 4 yrs. from Sr. Matricn. or 1st-yr. Arts. M.A., M.A.Sc., M.S.A., M.F. and B.S.W., 1 yr. postgrad. B.S.N. (4 yrs. from Sr. Matric. or 1st yr. Arts), M.D., 4 yrs. from 3rd yr. Arts or B.A. M.S.W., B.Ed., 1-2 yrs.' postgrad. work. M.B.A., M.Sc., 1 yr. postgrad. work. Ph.D. (min., 3 yrs.' postgrad. work).

DIPLOMA AND CERTIFICATE COURSES. Occupational Agric. (1 yr.); Pub. Health Nursing (1 yr.); T. Clin. Supervision in Schools of Nursing; Teacher Training; Hospl. Admin.; Dipl. in Criminol. is designed to meet needs of students not proceeding to degree of M.A. in Criminology, curriculum being built round nucleus of academic instrucn. and modern correctional programmes and field trg. being provided.

COURSES IN COMMUNITY AND REGIONAL PLANNING are offered in Fac. of Grad. Studies leading to M.A. or M.Sc. Programme provides facilities and background for res. into planning problems of Western Canada.

SUMMER SESSION. In July and Aug., courses for credit towards a degree are offered; max. of 6 units only permitted. Non-members of the Univ. (non-matriculants) may be admitted to the Summer Session only as auditors. They are not permitted to write the course examns., nor receive Univ. credit for the courses audited.

SUMMER EXTENSION COURSES. Non-credit courses in Dramatics, Weaving, Painting, Pottery, Music, Writing, Photography.

UNIVERSITY EXTENSION. Under a grant from the British Dominions and Colonies Fund of the Carnegie Corporation of New York, the Univ. organized early in 1936 a Dept. of Univ. Extension. This dept. carries on a comprehensive and varied programme of adult educn. It is responsible for the admin. of the rural section of the Dominion-Provincial Trng. Programme, sponsored jtly. by the Dominion Dept. of Labour and the Prov. Dept. of Agric. The present activities of the Dept. include (*a*) Extension Lectures at various centres throughout the Prov.; (*b*) Evening Classes; (*c*) Discussion Groups; (*d*) Dramatics; (*e*) Agric.; (*f*) Short Courses carrying no acad. credit, during both Winter and Summer Sessions; (*g*) Visual Instrucn. by means of (i) Lantern and Film Slide Service, (ii) Moving Picture Service; (*h*) Radio broadcasts; (*i*) Library assistance to those who wish to do systematic reading; (*j*) Art and Music Courses (made possible by Carnegie Art Teaching Set and Carnegie Music Set); (*k*) Public Relations—items of interest to the public are prepared and released to the press; (*l*) Educnl. programme for British Columbia Fishermen; (*m*) Correspondence Courses and Extra-Sessional Courses for academic

credit; (*n*) Home Econ.; (*o*) Handicrafts; (*p*) Parent Educn.; (*q*) Family Life Educn. and Gp. Development. No. of Correspondence and Extra-Sessional Courses carrying credit toward a degree are offered.

FEES. Arts and Sciences, Agric., Nursing: $240 per session. Appl. Sci. (incl. Archit. and Engin.), Forestry, Law, Pharmacy: $290 per session. Med.: $445 per session. Occpl. Agric.: $150 per session. Partial courses: $15 per unit. Grad. Study, $240 per session.

SCHOLARSHIPS AND FELLOWSHIPS FOR GRADUATES. University Scholp., $200; Anne Wesbrook Scholp., $125; Dr. F. J. Nicholson Scholps. (1) for Chem., $500, (2) for Geol., $500; two B'nai B'rith District No. 4 Hillel Foundation Scholps., each $125; Standard Oil Co. of British Columbia Ltd. Fellowship, $950; Powell River Co. Ltd. Scholp., $700; British Columbia Electric Rly. Co. Ltd. Research Scholp., $500; Britannia Mining and Smelting Co. Ltd. Scholp., $250; Cariboo Gold Quartz Mining Co. Ltd. Scholp., $200; Cominco Fellowship, $1000; Canadian Pulp and Paper, Western Branch, Fellowships (2), $500 each; Shell Oil Fellowship for Research, $900 plus tuition fees; Canadian Industries Ltd. Fellowship for Research, $900; Edith Ashton Memorial Scholp., $250; B.C. Telephones Scholps. (3) to total of $1900; General Construction Co. Scholp., $300; Gault Bros. Ltd. Scholp., $700; John and Annie Southcott Memorial Scholp., $100; B.C. Sugar Refining Co. Scholps., total $2500; British Columbia Electric Railway Co. Fellowship in Agric., $800; British Columbia Electric Railway Co. Graduate Scholps. in Arts, Commerce, Law and Social Work, total $1000; British Columbia Telephone Co. Scholp. in Community and Regional Planning, $600; Burroughs Wellcome Fellowship in Anæsthesiology and Appl. Pharmacol., $1000; Community Planning Assocn. of Canada (B.C. Division) Scholp., $1200; Graduate Scholps. in Slavonic Studies, $1600; Pacific Pine Co. Ltd. Scholarship in Forestry, $300; Lefevre Scholp. in Chem., $150; Poulenc Fellowship in Appl. Physiol., $500; Savage Shoe Co. Fellowship, $1500; California Standard Co. Fellowship, $750.

GRADUATES' ASSOCIATION. Alumni Assoc. of Univ. of British Columbia is composed of Hon., Active and Assoc. Members. Governing body composed of a Bd. of Management elected at the annual meeting and the Pres. of each organized branch. The Exec. Dir. is employed by the Assocn. on a full-time basis. In the autumn of 1948 a new Society was formed, known as the "Trustees of the Alumni-U.B.C. Fund." Monies donated are used for the general purposes of the Univ. and the encouragement and advancement of educn. in the Province.

SPECIAL INSTITUTION. The Inst. of Oceanography which was established in the autumn of 1949 is supported in part by the Defence Research Bd. and by the Jt. Cttee. on Oceanography, the latter body representing the interest of the Royal Canadian Navy, the National Res. Council, the Fisheries Res. Board and the Hydrographic Service. The Inst. represents the co-operative effort of the three depts. of Chem., Physics and Zool. to train grad. students in one or more of these branches in the principles and techniques of oceanographic res. The Inst. is further charged with the responsibility for fundamental res. in Oceanography.

An INSTITUTE OF FISHERIES is being established within the Fac. of Grad. Studies to give at the grad. level broad and advanced instruction in various fields relating to the best use and management of the fisheries' resources.

UNIVERSITY SERVICE TRAINING CORPS. (*a*) Canadian Officers' Training Corps (re-established in 1928); (*b*) University Naval Training Division

(established in 1943); (*c*) R.C.A.F. (Reserve) University Flight (established in 1948). All service training on the campus is under the jurisdiction of a Jt. Services Univ. Training Cttee. composed of the Pres. of the Univ., the C.O.s of the C.O.T.C., U.N.T.D. and R.C.A.F. (Aux.) Univ. Flight, the Deans of the Facs. of Arts and Sci., Agric. and Appl. Sci., and representatives from the Navy, the Army and the Air Force.

STUDENT ATHLETIC FACILITIES. 5 Playing Fields; 2 Gymnasia.

STUDENT ORGANIZATIONS. The Alma Mater Soc. with its governing executive, the Students' Council, controls all student activities and is responsible for student discipline. Every student automatically becomes a member of the Alma Mater Soc. when he enrols in the Univ. Members are elected every spring to hold office through the next yr.

RESIDENCE. Board and lodging in vicinity of the Univ. from $55 upwards p.m. ACADIA CAMP, accomm. for about 315 men and 46 women. Terms, $52.50 p.m. FORT CAMP, accomm. for 385 men. Terms, $52.50 p.m. Women's Residences: Mary Bollert Hall; Isabel MacInnes Hall; Anne Wesbrook Hall. Accomm. for 52 women in each Hall. Fees: $396 per session for single rooms, $382 per session for double rooms.

THE UNIVERSITY STUDENT HEALTH SERVICE. The University Health Service is located in Wing B of the Wesbrook Building and comprises an up-to-date and well-staffed Out-Patient Department on the main floor together with a 26-bed hosp. on the third floor. The Health Service is not a teaching department, being maintained solely for the benefit of students who may require medical care and advice, especially those whose homes are not in Vancouver or vicinity, or who have no regular family doctor.

In addition to providing medical and nursing care and investigation of any such student health problems, the Health Service also carries out the compulsory routine medical examns. required by the Univ. Each student on admission is given complete physical examn., including tuberculin skin test and chest X-ray. Before participation in athletics all women students are annually medically examined and men students are checked as to physical fitness for participation in strenuous athletics. A scheme for the control of communicable diseases and the following up of defects is in operation and first-aid is rendered by a full-time public health nurse. The Medical Officer is available at specified hours for consultation.

PUBLICATIONS. *Requirements for Matriculation*; *Calendar* (April); Summer Session *Announcement of Courses*, Lecture Series; President's *Report*. (No charge is made for any of these publicns.)

THE YEAR 1952–53

BENEFACTIONS. $600,113.

RETIREMENTS. W. A. Clemens; G. J. Spencer; A. H. Barss; H. J. MacLeod.

RESIGNATIONS. H. Andersen; L. Besley; G. Latta; I. D. Maxwell; M. Norris; Mrs. Helen O'Brien; Mrs. Phyllis Robinson; W. D. Ross; L. G. Vukelich.

HONORARY DEGREES. *LL.D.*—D. W. Brogan, historian; Prof. G. W. Brown, Prof. of Hist., Univ. of Tor., and Editor of Univ. of Tor. Press; Prof. A. R. M. Lower, Prof. of Hist., Queen's Univ.; A. Rive, Canadian High Com-

missioner in New Zealand ; L. D. Wilgress, Under-Sec. of State for External Affairs ; W. J. Rose, Visiting Prof. in Dept. of Slavonic Studies, Univ. of Br. Col. *D.Sc.*—Prof. F. E. Buck, Prof. Emer. of Hortic., Univ. of Br. Col.

STUDENT NUMBERS.

Regular Students.

	Full-Time	*Part-Time*
Men	3999	86
Women	1241	29
Total	5240	115

Postgraduate students (including those in Soc. Work and Teacher Trg. courses), 473.

New admissions, 1376.

Correspondence Course and Extra-Sessional Students (not included in total of 5355), 366 (204 m. ; 162 w.).

Students from other countries, 136. (Countries from which largest numbers came : U.S.A., 36 ; Europe 29 ; Central America and West Indies, 22 ; Asia, 16 ; United Kingdom, 14.)

DEGREES. *Agric.* : B.S.A., 64. *Ap. Sc.* : B.A.Sc., 141 ; B.Arch., 14 ; B.S.N., 10. *Arts and Sci.* : B.A., 475 ; B.Com., 82 ; B.Ed., 40 ; B.H.E., 36 ; B.P.E., 22 ; B.S.W., 54 ; M.S.W., 22. *For.* : B.S.F., 24. *Grad. Studies* : M.A., 36 ; M.A.Sc., 8 ; M.Sc., 17 ; M.Com., 1 ; M.S.A., 7 ; Ph.D., 5. *Law* : LL.B., 81. *Pharm.* : B.S.P., 47.

DIPLOMAS. Teacher Training, 98.

CERTIFICATES.. Public Health Nursing and Teaching and Supervision (Nursing), 29; Agriculture, (Occup.), 6.

[*Information compiled as at* 11/6/54.]

CARLETON COLLEGE*

Founded 1942. Incorporated as the Ottawa Association for the Advancement of Learning, 1943; as Carleton College, 1952

Postal Address: Ottawa 1, Ontario, Canada.
Telephone: 5-5161.

CHANCELLOR—.....

PRESIDENT—MURDOCH MAXWELL MACODRUM, B.A. Dal., M.A. McG., Ph.D. Glas., D.D. Presbyterian College, Montreal.

DEAN, FACULTY OF ARTS AND SCIENCE—JAMES ALEXANDER GIBSON, B.A. Br. Col., M.A., B.Litt., D.Phil. Oxon.

DIRECTOR, SCHOOL OF PUBLIC ADMINISTRATION—RONALD OLIVER MACFARLANE, M A. Qu., Ph.D. Harv

REGISTRAR—JOHN ALEXANDER BUCHANAN MCLEISH, M.A. McG., Ph.D. Corn.

BURSAR—FREDERICK JAMES TURNER, B.Com., M.A. Tor., F.C.I.S.

LIBRARIAN—HILDA G. GIFFORD, B.A., B.L.S. McG.

TEACHING STAFF

Accounting

McDougall, W. J., B.A. W. Ont. Assoc. Prof.

Sessional Lecturers

Wood, H.

Sterns, A. A., Lic. com. St. Gall., Dr. rer. pol. Berne.

Anthropology, v. Sociol.

Astronomy

Millman, P. M., B.A. Tor., A.M., Ph.D. Harv. Sessl. Lectr.

Biology

Nesbitt, H. H. J., B.A. Qu., M.A., Ph.D. Tor., D.Sc. Ley. Assoc. Prof.

Illman, W. I., B.A., M.Sc. W. Ont. (Bot.) Asst. Prof.

Turnau, E. A. O., M.Sc. McG. Lectr.

Chemistry

Morton, J. M, M.Sc. Dal., A.M., Ph.D. Prin. Assoc. Prof.

Holmes, J. M., B.Sc. New Br., M.A. W. Ont., Ph.D. McG. Assoc. Prof.

Laughton, P. M., B.A. Tor., M.Sc. Dal., Ph.D. Wis. Asst. Prof.

Klee, G. G., B.S. Polytechnic Inst. of Brooklyn, M.S. Purdue Lectr.

Classics

..... Lectr

Sessional Lecturers (Latin)

Showman, W. H., M.A. Qu.

Kiell, L. G., B.A. Qu.

Commercial Law

Corlett, M. E., B.A. Tor. Sessl. Lectr.

* Member of the Association of Universities of the British Commonwealth.

Economics

Gordon, H. S., B.A. Dal., A.M. Col. (on leave 1954–55) Assoc. Prof.
English, H. E., B.A. Br. Col. Asst. Prof.
Brewis, T. N., M.Com., Ph.D. Durh. Asst. Prof.

Sessional Lecturers

Watts, G. S., M.A. Qu.
Westbrook, E. C. J., B.A. Sir G. Wms., M.A. Tor.
Dymond, W. R., M.A. Tor., Ph.D. Corn.
Skeoch, L. A., B.A. McM., M.A. Tor.
Sawyer, Virginia, A.B. Calif., M.A. Minn., M.B.A. Chic.

Engineering

Goldsmith, E. E., Dipl. Ing. Berl., D.I.C. Asst. Prof.
Stedman, E. W., C.B., O.B.E., F R.Ae.S. Sessl. Lectr.
Tackaberry, S. G., C.B.E., B.A.Sc. Tor. Instr.
McDonald, R. C., B.A.Sc. Tor. Sessl. Lectr.
Dudgeon, E. H., M.A.Sc. Tor. Demr.

English

Beattie, A. M., B.A. Tor., A.M. Col. Assoc. Prof.
Johnston, G. B., M.A. Tor. Asst. Prof.
Wood, G. J., M.A. Tor. Asst. Prof.
MacOdrum, M. M., B.A. Dal., M.A. McG., Ph.D. Glas., D.D. Presbyterian College, Montreal Lectr.
Hornyansky, M., B.A. Tor., and Oxon. Sessl. Lectr.
Chamberlin, Mrs. Dorothy, M.A. McG. Instr.
Phillips, Mrs. Mary A., M.A. Tor. Reader.
Halstead, Mrs. Jean, A.B. Penn. Reader.

Fine Arts

Sessional Lecturers

Dale, W. S. A., M.A. Tor. (Art).
Milligan, C. H., Mus.Bac. Tor. (Music).

French

Assistant Professors

Young, J. P., B.A. Qu., D. ès L. Bordeaux.
Tassie, J. S., B.A. McM., M.A. Tor.

Lecturer.

Fleishauer, C. P., A.M., Ph.D. Harv.

Sessional Lecturers

DuVernet, G. S., B.A. K.C.N.S., M.A. St. F.X. and Tor.
Webster, Mrs. Helleni, B.A. Lond.

Geography

Sessional Lecturers

.....
Watson, Mrs. Jessie W., M.A. Edin.
Nicholson, N. L., B.A., M.Sc. W. Ont., Ph.D. Ott.
Zaborski, B., Ph.D. Warsaw.

Geology

Hill, P. A., B.Sc. Lond. Asst. Prof.

Sessional Lecturers

Alcock, F. J., B.A. Tor., Ph.D. Yale, F.R.S.C., F.G.S.A.
Wilson, Alice E., B.A. Tor., Ph.D. Chic., F.R.S.C., F.G.S.A.
Robinson, S. C., M.A.Sc. Br. Col., Ph.D. Qu., F.R.S.C.
McLearn, F. H., B.E. Dal., Ph.D. Yale, F.R.S.C., F.G.S.A.
McLaren, D. J., M.A. Camb., Ph.D. Mich., F.G.S.

Demonstrator

Steacy, H. R., B.Sc. Qu.

German

Hoff, R., Dr. jur. Bres. Sessl. Lectr.

History

Gibson, J. A., B.A. Br. Col., M.A., B.Litt., D.Phil. Oxon. Prof.
Farr, D. M. L., B.A. Br. Col., M.A. Tor., D.Phil. Oxon. Asst. Prof.

Lecturers

Couse, G. S., B.A. McM.
Mealing, S. R., B.A. Alta., B.A., B.Litt. Oxon.

Sessional Lecturers

McQueen, J. M., M.A. Tor.
Grantham, R., M.A. Br. Col.
Clark, L. C., B.A. Manit., M.A. Qu.

Journalism

Eggleston, W., M.B.E., B.A. Qu. Prof
Kesterton, W. H., B.A. Qu., B.J. Asst. Prof.
Leechman, J. D., B.Sc. St. Patrick's, M.A., Ph.D. Ott., F.R.S.C. Sessl. Lectr.
Herbert, W. B., B.A., LL.B. Alta. Sem. Ldr.
McFarlane, L. Sem. Ldr.
Foley, T. Sem. Ldr.
Pask, V. Field Work Supervisor.

Mathematics

Richardson, L. N., M.A. Tor., M.Sc. McG. Prof.
Macphail, M. S., B.A. Qu., M.A. McG., D.Phil. Oxon., F.R.S.C. Prof.
Semple, R. J., M.A. Tor. Lectr.
Gamble, R. B., B.Sc. McG. Instr.

Sessional Lecturers

Keyfitz, N., B.Sc. McG., Ph.D. Chic.
Rentner, L. W., B.A. Tor.
Dale, D. K., B.A. Qu.
Mandl, P., M.A., Ph.D. Tor.
Comer, H. E., B.Sc. Alta., B.Com.
Beatty, R. L., B.A. Tor.
Looker, A. J., B.Eng. McG.
Newman, B. G., M.A. Camb., Ph.D. Syd.
Stanton, R. D., M.A., Ph.D. Tor.
Gardner, J. C., B.A. Tor.

Philosophy

McKeown, C. G. S., M.A. Tor., M.A., Ph.D. Prin. Asst. Prof.
Wernham, J. C. S., M.A. Aberd. and Camb., S.T.M. Union Asst. Prof.
Shein, L. J., B.A. Dubuque, M.A., Ph.D. Tor. Sessl. Lectr.
Hampson, Mrs. Eve J., A.B. Bryn Mawr Asst.

Physics

Munn, A. M., B.Sc. Qu., M.Sc., Ph.D. McG., F.R.S.A. (on leave 1954–55) Assoc. Prof.
Love, G. R., M.A. W. Ont., Ph.D. Tor. Assoc. Prof.
Cole, T. J. S., B.Sc. (Eng.) Lond., B.Sc. Lectr.
Ghosh, A. C., M.Sc. Calc. Lectr.

Political Science and Public Administration

MacFarlane, R. O., M.A. Qu., Ph.D. Harv. (Pub. Admin.) Prof.
Rowat, D. C., B.A. Tor., A.M., Ph.D. Col. (Pub. Admin.) Assoc. Prof.
McLeish, J. A. B., M.A. McG., Ph.D. Corn. Lectr.

Sessional Lecturers

Forsey, E. A., M.A. McG. and Oxon., Ph.D. McG.
Phillips, R. A. J., B.A. Tor.
Donnelly, M. S., B.A. Mt. All., M.A. Tor.
Mackenzie, C. J., B.A. Manit.

Psychology

Wake, F. R., B.A., Ph.D. McG. Asst. Prof.
Breen, H. J., M.A., Ph.D. W. Ont. Lectr.

Sessional Lecturers

Whitworth, F. E., B.A. Sask., A.M., Ph.D. Calif.

Cook, T. W., M.A. Acad., Ph.D. Yale.
Wendt, R. A., B.A. Alta., M.A. McG.
Morton, N. W., M.A., Ph.D. McG.
Pimm, Mrs. June B., B.A., M.Ps Sc. McG.
Dawe, J. F., B.Sc., B.Ed. Sask., A.M. Col.

Public Law

Henderson, G. F., B.A. Tor. Sessl. Lectr.

Religious Knowledge

Shein, L. J., B.A. Dubuque, M.A., Ph.D. Tor. Sessl. Lectr.

Russian

Sessional Lecturers
Lalkow, D. I., M.D. Moscow.
Bohatirchuk, F. P., M.D. Kiev.

Sociology

Porter, J. A., B.Sc. (Econ.) Lond. Lectr.

Sessional Lecturers
MacNeish, Mrs. June H., Ph.B., A.M. Chic. (Anthropol.)
Blishen, B. R., M.A. McG.
Jones, F. E., M.A. McG.

Spanish

Sessional Lecturers
Plaskacz, B., Lic. phil. litt. Madrid
McKegney, J. G., B.A. W. Ont., A.M. Oregon.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar: Elizabeth M. Buckley, B.A. Qu. Asst. Librarians: Doris M. Honeywell, M.A. Qu., B.L.S. Tor.; Mara E. Karnupe, B.L.S. McG., B.A.; Elizabeth W. Brewster, B.A. New Br.; M. A. Radcliffe, B.L.S. Tor. Administrative Asst.: C. V. Hotson, B.J. Accountant: R. M. Walters. Dir. of Athletics: N. D. Fenn, B.S., M.Ed. Springfield. Student Personnel Asst.: Mrs. Jean A. Loates. Med. Adviser: E. L. Davey, M.D., D.P.H. Tor.

GENERAL INFORMATION

The College is non-denominational, co-educational, and privately controlled. Conceived by a cttee. of the Ottawa Y.M.C.A. in 1938, the Coll. had its beginning in 1942 when a group of interested citizens established the Ottawa Association for the Advancement of Learning. In that year evening classes of the first and second Univ. years were opened under the name Carleton College. An Inst. of Public Administration was added in 1943, and later absorbed by the Coll. Special matricn. courses for veterans were offered in the years 1945–46. These were the first day classes. Both day and evening curricula were expanded until, by 1949, they included full undergrad. courses in Arts, Sci., Comm., Journalism, Pub. Admin. and Engin. A course leading to a grad. Dipl. in Pub. Admin. was added in 1952, and a School of Pub. Admin. established in 1953, which in 1954 added a programme leading to the M.A. The Coll. operated in rented quarters until 1946, when it acquired a bldg. of its own. Subsequently, a students' union, a library and a bldg. to house the Sch. of Pub. Admin. were added, and 130 acres of land acquired for development of a new campus. In 1952 the Legislative Assembly of the Province of Ontario passed *The Carleton College Act*, enlarging and specifying the Coll.'s university powers. In the same year the Coll. was made a member of the National Conference of Canadian Univs., and in 1953 a member of the A.U.B.C.

INCOME (1952–53). Total income, $685,613 (tuition and other student fees, 24·1 per cent.; govt. grants, 45·7 per cent. [23·8 per cent. current funds,

21·9 per cent. capital]; private subscriptions, 21·8 per cent. [14·6 per cent. from Atkinson Charitable Foundation for School of Public Administration]; endowment, 1·7 per cent.; other sources, 6·7 per cent.)

FACULTY OF ARTS AND SCIENCE. Studies in Arts, Science, Commerce, Journalism and Engineering are included in this one faculty. *Dean*: James A. Gibson, B.A. Br. Col., M.A., B.Litt., D.Phil. Oxon.

SCHOOL OF PUBLIC ADMINISTRATION. Includes cert., hons. B.A., graduate dipl. courses and M.A. course in Pub. Admin. *Director*: R. Oliver MacFarlane, M.A. Qu., Ph.D. Harv.

DEGREE COURSES. Day Division—B.A., B.Sc., 4-yr. pass courses and 5-yr. hons. courses; B.Com., B.J. (Bachelor of Journalism), 4-yr. courses. Evening Division—B.A., B.Sc., B.Com., pass courses equivalent to those offered in the day division, but extending over a longer period of time.

DIPLOMA AND CERTIFICATE COURSES. Day Division—Certif. in Engin., 2-yr. course, after which students continue for an addtl. 2 yrs. in another Univ. for degree in Engin. Graduate Diploma in Public Administration, 1-yr. course. Evening Division—Grad. Dipl. in Publ. Admin., Certif. in Pub. Service Studies, each the equivalent of a 1-yr. full-time course, but taking longer because followed by pt.-time students.

ADMISSION REQUIREMENTS. To 1st yr. of course in Arts, Sci., Comm., Journalism—Jr. Matricn. (Sec. Sch. Graduation Dipl. of Prov. of Ont., or equivalent certif.). To 1st yr. of course in Engin. or to 2nd yr. of courses in Arts, Sc., Comm., Journalism—Sr. Matricn. (Sec. Sch. Honour Graduation Dipl. of Prov. of Ont., or equivalent cert.). *See also* Appendix I.

ACADEMIC YEAR. Winter session, mid-September to end of April.

SUMMER SESSION. Evening classes in selected undergrad. subjects are offered in a 14-wk. summer session—June, July and Aug.

ADULT EDUCATION. Evening courses provided for employed men and women seeking degrees and dipls. are open as well to those interested only in single subjects. In addition, extension courses, for which no academic credit is allowed, are offered at low cost for interested members of the public.

FEES. Annually for tuition—Day Division: Arts, Sci., Comm., Journalism, $265, plus $15 lab. fee for each course involving lab. work; Engin. $355. Misc. fees, addtl., $22-23. Evening Division: $53 per subject, plus $15 lab. fee for each course involving lab. work. Misc. fees, addtl. per subject, $2. Extension course: $5 to $20 (occasionally more).

PRINCIPAL "OPEN" AWARDS offered to students entering the College to read for a first degree. (1) Union Carbide Canada Ltd. Undergrad. Scholp., $500 a yr. until graduation, open to graduates of Canadian sec. schools. (2) 4 Regional Entrance Scholps., $500 each, open to graduates of Canadian sec. schools. (3) General Bursary Fund from which grants are made to students in need of financial aid.

POSTGRADUATE AWARDS. $500 scholarships are available for study in course leading to grad. Dipl. in Pub. Admin. Fellowships, varying from $500 to $1250, are offered for study toward M.A. in Pub. Admin. *See also* Appendix III.

FACILITIES. The Coll. is housed in a four-storey brick bldg., set on a small campus in the Glebe, one of Ottawa's residential districts, about 10 minutes by street-car or bus from the centre of the city. In addition to classrooms

and seminar rooms, facilities include Engin., Chem., Biol., Geol. and Phys. Labs.; an audio-visual aids centre including equipment for sound motion picture projection, film-strip and slide projection, and radio workshop activities; a canteen; an assembly hall, equipped for stage productions. The School of Pub. Admin. occupies a three-storey house across the street from the main coll. bldg. Near by is a three-storey students' union and a recreation building which provide accomm. for Students' Association offices, *The Carleton* (student weekly newspaper), reading rooms, games rooms, dark-rooms, radio broadcasting rooms, club rooms, and a student lounge. Athletic activities are carried on in the gymnasium and playing fields of Lansdowne Park, about six blocks from the College, and the gymnasia of near-by secondary schools. Completed in 1951, a new library building provides study space for 200 students at one time and will accomm. 40,000 vols. There are now 24,000 vols. in the library.

MILITARY TRAINING. Preparation for commissioned rank in the active or reserve forces of the Royal Canadian Navy, the Canadian Army or the Royal Canadian Air Force is made possible by membership in the University Naval Training Division, the Canadian Officers' Training Corps or the R.C.A.F. Reserve Univ. Squadron. Trng. is on a pt.-time basis during the academic session, full-time during the summer months.

STUDENT SERVICES. Under the supervision of the College Med. Adviser, a Student Health Service is provided. Also available are counselling and guidance facilities and a Student Placement Service. The College has no dormitories of its own, but maintains a Housing Registry through which rooms or rooms and board may be located in near-by homes. Meals and snacks are served in a canteen in the main building.

ALUMNI ASSOCIATION. An alumni assocn. was formed in 1949. Grads. are eligible for full membership.

PUBLICATIONS. By the College—*Calendar*, *Bulletin* and Summer Session announcement, all annually. By the Students' Association—*The Carleton*, weekly newspaper; *The Raven*, annually; *Directory of Students*, annually.

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. Atkinson Charitable Foundation, Toronto, $200,000 ($100,000 in December 1952, the balance to be paid within 5 yrs.) for establishment of School of Publ. Admin. Sp. capital grant from Province of Ont., $150,000.

NEW BUILDING. A three-storey house, across the street from main coll. bldg., purchased in June 1953, to house the new Sch. of Public Admin. 130 acres acquired at geographic centre of City of Ottawa, upon which to develop a new campus.

NEW POSTS. First full-time Dir. of Athletics. First full-time appt. made in Psychol.

PRINCIPAL CHANGES IN REGULATIONS. Curricula for B.A. and B.Sc. degrees revised to permit specialization in one or two fields of study rather than approx. equal emphasis on three fields.

NEW DIPLOMA AND CERTIFICATE COURSES. 1-yr. course leading to Grad. Dipl. in Pub. Admin. (also available, over longer period, to pt.-time students). Evening course leading to Cert. in Public Service Studies.

OTHER DEVELOPMENTS. On February 26, 1953, the College was made an Ordinary Member of the Association of Universities of the British Commonwealth.

RESIGNATIONS. H. D. Cochrane (Maths.); J. W. Mayne (Maths.), apptd. to Defence Res. Bd.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	292	557
Women	118	252
Total	410	809

Postgraduate students, 5 (all pt.-time).
New admissions of full-time students, 158.
Students (full time) from other countries, 11.
Extension course students (in non-Univ. courses), 242 in addition.

DEGREES. B.A., 54; B.Sc., 32; B.Com., 18; B.J., 19.

CERTIFICATES. Cert. in Engin., 13; Cert. in Public Service Studies, 1.

DALHOUSIE UNIVERSITY†

Founded 1818

With which is affiliated King's College (*see* p. 755).

Postal Address: Halifax, Nova Scotia, Canada.
Telephone: Registrar: 3-7494.

CHAIRMAN OF THE BOARD OF GOVERNORS—Lt.-Col. K. C. LAURIE, D.C.L. K.C.N.S.

PRESIDENT OF THE UNIVERSITY—ALEXANDER E. KERR, B.D. Union Sem., N.Y., D.D. United Coll., Acad. and Glas., LL.D. Mt. All. and New Br., B.A.

REGISTRAR—BEATRICE R. E. SMITH

SECRETARY OF SENATE—C. L. BENNET, M.A. Camb., A.M. Harv.

BUSINESS MANAGER—D. H. MCNEILL, B.Sc.

TEACHING STAFF

Anatomy

Saunders, R. L. de C. H., M.D., Ch.B. Edin., F.R.S.S. Af., F.R.S.A. Campbell Prof.
Némethy, N., M.D. Debrechen Assoc. Prof.

Assistant Professors

Sidorov, J., M.D. Zagreb
Knowles, F. W.
Sinclair, A. M., M.D., C.M.

Instructors

Nichols, Roberta B., B.A., M.D., C.M.
Little, W. M., M.D. Tor.

Demonstrators

Graham, J. V., M.D., C.M., F.A.C.S.
MacIver, D.A., M.B., Ch.B. Edin.
Nathanson, D. S., M.D., C.M.
Hofstaedter, E., M.D., C.M.

Art, v. Fine Arts

Biblical Literature

Andrews, E., M.A., Ph.D. Drew, B D. Pine Hill, B.A. Lectr.

Biochemistry, v. Fisheries, and v. Med., *infra*

Biology

*Hayes, F. R., Ph.D., D.Sc. Liv., M.Sc., F.L.S., F.R.S.C. Campbell Prof.
*Pelluet, Dixie, M.A. Tor., M.A., Ph.D. Bryn Mawr Assoc. Prof.
von Maltzahn, K. E., M.S., Ph.D. Yale Asst. Prof.

Chemistry

*Chute, W. J., B.Sc. Acad., M.A., Ph.D. Tor. Shirreff Prof.
*Trost, W. R., B.Sc. Alta., Ph.D. McG. Asst. Prof.
Ryan, D. E., B.Sc. New Br., M.A. Tor., Ph.D. Lond. Asst. Prof.

† Member of the Association of Universities of the British Commonwealth.
* Also member of Fac. of Grad. Studies.

Classics

*Griffin, A. K., M.A. Tor. and Oxon., Ph.D. Tor. Prof. (K.).
Doull, J. A., M.A. Tor., B.A. Asst. Prof.
Anderson, Beryl L., M.A. Lectr.

Commerce

Cumming, R. S., M.A. McG., B.A. Black Prof.
Berman, W., B.Com. McG. Assoc. Prof.
Churchill-Smith, H., M.C. Sp. Lectr.

Dentistry, v. *infra*

Economics and Sociology

*Maxwell, W. R., M.A. Harv., B.A. Prof. (K.).
Prince, Rev. S. H., M.A. Tor., Ph.D. Col., D.D. Wycliffe Prof. (K.).
Graham, J. F., B.A. Br. Col., A.M. Col. Asst. Prof.

Education

Mowat, A. S., M.A., B.Ed. Edin. Prof.

Engineering

Theakston, H. R., B.Sc. (Mining), D.Eng. N.S.T.C. Howe Prof.
Bowes, W. H., M.E. (Mech.) N.S.T.C. Prof.
Chisholm, A. F., B.E. (Civil) N.S.T.C. Asst. Prof.
Marginson, K. F., B.E. (Mech.) N.S.T.C. Asst. Prof.

English Lang. and Lit.

*Bennet, C. L., M.A. Camb., A.M. Harv. Munro Prof.
*Martin, J. B., M.A. Tor., Ph.D. Harv. (on leave 1953–55) Prof. (K.).
Lambertson, C. L., M.A. Alta., A.M. Harv. Asst. Prof. (K.).
Bevan, A. R., B.A. Sask., M.A. Manit., Ph.D. Tor. Asst. Prof.
Parks, M. G., M.A. Sessl. Lectr.

Fine Arts

Mackay, D. C. Sp. Lectr.

Fisheries

Castell, C. H., M.S.A. Tor. (Bacteriol.) Sp. Lectr.

Geology

*Douglas, G. V., M.C., M.Sc. McG, F.G.S., F.G.S A., F.R.S.C. Carnegie Prof.
Goodman, N. R., D.Phil. Oxon., M.Sc. Assoc. Prof.

Hebrew

Clarkson, Rev. Canon W. W., B.S. Litt. K.C.N.S. Sp. Lectr.
Hardie, Rev. J. B., M.A., B.D., Ph.D. Glas. Sp. Lectr.

History

*Wilson, G. E., M.A., LL.D. Qu., Ph.D. Harv., F.R.S.C. Dean, Arts and Sci., Munro Prof.
*Harvey, D. C., M.A. Oxon., B.A., LL.D., F.R.S.C. (Can. Hist.) Lectr.
Waite, P., M.A. Br. Col. and Tor. Lectr.
Granter, H. S., B.A. Sessl. Lectr.

Law, v. *infra*

Mathematics

*Adshead, J. G., M.A. Camb. Prof.
*Walmsley, C., M.A. Camb. Prof.
Tingley, A. J., B.A. Mt. All., M.A., Ph.D. Minn. Asst. Prof.
MacLennan, I. A., B.Sc. Lond. Lectr. (K.).

Medicine and Surgery, v. *infra*

* Also member of Fac. of Grad. Studies.
(K.) = King's College.

Modern Languages

*Chavy, P., Ag. des L. Paris (French) Prof.
Richter, Mrs. Johanna, M.A. Tor. (German) Asst. Prof.
Aikens, H. F., A.M. Yale, B.A. (French) Lectr.
López, A. M. G. (Spanish) Lectr.
Chavy, Suzanne J. M.-L., L. ès L. Paris (French) Sp. Lectr.
Griffin, A. K., M.A. Tor. and Oxon., Ph.D. Tor. (Russian) Lectr. (K.).

Music

Hamer, H., F.R.C.O. Lectr.

Nursing

MacLennan, E. A. E., A.M. Col., B.A. Dir. of Sch.
Church, Jean G., B.Sc. Asst. Dir. of Sch.

Philosophy

*Grant, G. P., B.A. Qu., D.Phil. Oxon. Munro Prof.
Vingoe, R. H., B.A. McM., M.A., Ph.D. Tor., F.R.S.A. Asst. Prof.

Physics

*Johnstone, J. H. L., O.B.E., Ph.D. Yale, M.Sc. Munro Prof.
*Archibald, W. J., Ph.D. Virginia, M.A., F.R.S.C. (Math. Physics) Prof.
Guptill, E. W., B.Sc. Acad., M.A. W. Ont., Ph.D. McG. Assoc. Prof.
*MacDonald, A. D., Ph.D. M.I.T., M.Sc. Assoc. Prof.
Blanchard, J. E., M.Sc., Ph.D. Tor., B.Sc. (Geophysics) Asst. Prof.

Physiology

*Weld, C. B., M.A. Br. Col., M.D. Tor. Prof.
Kaplan, J. G., A.B. C.C.N.Y., A.M., Ph.D. Col. Assoc. Prof.

Political Science

*Aitchison, J. H., B.A., B.Ed. Sask., B.Sc. Lond., Ph.D. Tor. Dennis Prof.

Psychology

*Page, F. H., M.A. Tor. Prof. (K.).
*Welch, Mrs. Louise M., B.A. New Br., B.Ed. Edin., Ph.D. Yale Prof.
*Marshall, Mrs. Frances, M.A. Nebraska, Ph.D. Chic. Assoc. Prof.

Public Affairs

McVittie, J. I., B.A. McG. Dir. of Inst.

Dentistry

Adult Clinic

Lubetsky, I. K., D.D.S. Demr.
Caldwell, G. W., B.Sc., D.D.S. Demr.

Crown and Bridge Work, etc.

McLean, J. D., D.D.S. Tor. Dean of Dent., Prof.
Dewis, G. M., D.D.S. Asst. Prof.
Merritt, J. E., D.D.S. Tor. Asst. Prof.

D. Anatomy, etc.

McGuigan, J. P., D.D.S., F.I.C.D. Lectr.

D. History, Jurisprudence, Ethics, and Economics

Lecturers

Bissett, F. W. M., B.A., LL.B.
Crosby, H. S., D.D.S., F.I.C.D.
Kerr, K. M., D.D.S.

D. Pathology and Therap.

Haverstock, A. B., D.D.S., B.Sc. (Dent.) Tor. Prof.
Pentz, D. G., D.D.S. Asst. Prof.
Nutlay, A. G., M.D. Vienna and Rome, D.D.S. Lectr.

* Also member of Fac. of Grad. Studies.

(K.)=King's College.

D. Public Health Work

Dawson, W. G., D.P.H. Tor., D.D.S. Lectr.

Dentistry

Bagnall, J. S., D.D.S., F.D.S.R.C.S., F.I.C.D. Prof.

Demonstrators

Barrett, G. D., B.Sc. Acad., D.D.S.
MacConnachie, H. J., D.D.S.
Faulkner, G. H., B.Sc , D.D.S.

Exodontia

Croft, O. L., D.D.S. Tor., F.A.C.D. Prof.
Macneil, W. H., B.Sc St.F.X., D.D S. Lectr.

Operative D.

Crosby, H. S., D.D.S., F.I.C.D. Prof.
Eaton, D. C., B.Sc. Acad., D.D.S. Asst. Prof.

Demrs. in Operative Infirmary

Archibald, L. J., D.D.S.
Crosby, H. S., D.D.S., F.I.C.D.
Dewis, G. M., D.D.S.
Eaton, D. C., B.Sc. Acad., D.D.S.
Pentz, D. G., D.D.S.
Dexter, C. E., B.Sc., D.D.S.
Dexter, E. F., D.D.S.
Eaton, H. M., D.D.S., F.A.C.D.
Ervin, A. H., D.D.S.
Kerr, K. M., D.D.S.
McGuigan, J. P., D.D.S., F.I.C.D.
Merritt, J. E., D.D.S. Tor.
Oler, C., D.D.S.
Vaughan, J. R., D.D.S.

Oral Surg., Anæsth. and Physical Diagnosis

Noble, J. A., B.A. Acad., M.B., Ch.B., F.R.C.S.Ed. Assoc. Prof.
Mackinnon, C. G., B.A., M.D., C.M. Lectr.

Orthodontics

Christie, P. S., D.D.S. Prof.

Pedodontia

McGuigan, J. P., D.D.S., F.I.C.D. Prof.

Pre-School Age Clinic

Goldberg, L. S., D.D.S. Demr.

Prosthetic D.

Dewis, G. M., D.D.S. Prof.
Kerr, K. M., D.D.S. Demr.

Radiology

Eaton, H. M., D.D S., F.A.C.D. Prof.

Law

Administrative Law and Agency

Clarke, L. O., B.A., LL.B. (on leave 1954–55) Asst. Prof.
Machum, D. A., B.A., B.Ed. Acad., LL.B. Lectr.

Bills and Notes

Smith, K. S., B.A., LL.B. Lectr.

Conflict of Laws, Contracts, Legislation

*Read, H. E., O.B.E., Q.C., LL.M., S.J.D. Harv., B.A., D.C.L. Acad., LL.B. Dean of Fac.
Muggah, H. F., Q.C., B.A., LL.B. Assoc. Dir. Legis. Res.

Constitutional Law

MacDonald, Hon. V. C., LL.D. St. F.X. and Col., J.U.D. Br. Col., B.A., LL.D. Lectr.

Constitutional Law, Jurisprudence, Torts

*Lederman, W. R., B.A., LL.B. Sask., B.C.L. Oxon. Dunn Prof.

Corporations

Machum, D. A., B.A., B.Ed. Acad., LL.B. Lectr.

Criminal Law

Pottier, Hon. V. J., B.A., LL.B., D.C.L. St. Ann's Lectr.

* Also member of Fac. of Grad. Studies.

Insurance

Ritchie, R. A., Q.C., B.A. Oxon. and Dal. Lectr.
Gallant, F. F., LL.M. Harv., B.Com., LL.B. Lectr.

International Law, Judicial Remedies I and II, Labour Law

Hendry, J. M., LL.M. Harv. and Mich., B.A., LL.B. Assoc. Prof.

Legal Accounting

Berman, W., B.Com. McG. Lectr.

Mortgages

Coffin, T. H., Q.C., B.A., LL.B. Lectr.

Procedure I and II

Meagher, A. J., B.A., LL.B. Prov. of N.S. Prof.

Property I and II, Municipal Corporations

Murray, R. G., LL.M. Harv., B.A., LL.B. Bennett Prof.

Shipping

Meagher, A. J., B.A., LL.B. Prov. of N.S. Prof.

Taxation

Ilsley, Rt. Hon. J. L., B.A., D.C.L. Acad., LL.D. McG., Qu. McM., and LL.D. Lectr.
Rhude, H. B., LL.B. Lectr.

Trusts

Cooper, A. G., B.A., B.C.L. Oxon., B.Com. Lectr.

Evidence

MacQuarrie, Hon. J. H., B.A. Acad., LL.B. Lectr.

Medicine

(for subjects of the first 2 yrs.—Anat., etc., v. *supra*)

Anæsthesia

Stoddard, C. C., M.D., C.M. Prof.

Assistant Professors

Nichols, Roberta B., B.A., M.D., C.M.
Baker, C. H. L., M.D., C.M.
Kincaide, C. M., M.D., C.M.
Ballem, R. W. M., M.D., C.M.

Lecturer

Mackinnon, C. G., M.D., C.M.

Demonstrators

MacIntosh, A. S., B.A., B.Sc., M.D., C.M.
Fleming, R. A. P., M.D., C.M. Qu.
Graham, D. V., B.Sc., M.D., C.M.

Bacteriology

*Reed, R. W., M.A. Qu., M.D., C.M. McG. Prof.
Gregory, K., B.Sc. Br. Col., M.Sc., Ph.D. Wis. Asst. Prof.
Simpson, D. M., M.Sc. Tor. Lectr.

Biochemistry

*McCarter, J. A., M.A. Br. Col., Ph.D. Tor. Prof.
Stewart, R. D., Ph.D. McG. Assoc. Prof.
Macpherson, L. B., M.B.E., B.Sc. Acad., Ph.D. Tor. Asst. Prof.
Harlow, C. M., B.Sc. Acad., Ph.D., M.D., C.M. McG. Lectr.

Epidemiology

Stewart, C. B., B.Sc., M.D., C.M., M.P.H. Johns H. Dean of Med., Eddy Prof.
Peabody, Jean A., B.A. New Br. Statis. Asst.

Gynæcology, v. Obst.

Hospital Administration

Bethune, C. M., M.B.E., B.Sc., M.D., C.M. Prof.
Kirk, T. E., B.A. St. F.X., M.D., C.M. McG. Assoc. Prof.

Medical Jurisprudence and Toxicology

Murray, A. E., B.A., M.D., C.M. Lectr.

* Also member of Fac. of Grad. Studies.

Medicine and Clin. Medicine

Holland, C. W., B.A., M.D., C.M., F.R.C.P.Can., F.A.C.P. Prof.

Associate Professors

Sieniewicz, T. M., M.D., C.M., F.R.C.P.Can.

MacIntosh, J. W., M.D., C.M., F.A.C.P.

Marshall, C. S., M.D., C.M. (Neurol.).

Reid, J. W., M.D., C.M.

Tonning, D. J., M.D., C.M.

MacDonald, R. M., B.S.A. McG., M.B., Ch.B. Edin., F.R.C.P. Can.

Steeves, L. C., B.A. Mt. All., M.D., C.M. McG., F.R.C.P.Can.

Beckwith, C. J. W., D.P.H. Tor., B.A., M.D., C.M.

Assistant Professors

Aikens, R. L., B.Sc., M.D., C.M., F.R.C.P.Can.

Howell, D. R. S. (Dermatol.).

Tonning, H. O., B.Sc., M D., C.M., F.R.C.P. Can.

Lecturers

Scammell, H. L., M.D., C.M.

Read, H. C., M.D., C.M.

Campbell, A. B., M.D., C.M.

Morton, A. R., M.D., C.M., M.P.H. Johns H.

Moya, F. J., B.Sc. Laval (Exper. Med.).

Woodbury, J. F. L., B.Sc., M.D., C.M.

Leslie, W., M.D. Manit., F.R.C.P. Can.

Murray, W. A., M.D., C.M.

Clinical Instructors

Gosse, Margaret, B.A., M.D., C.M. McG.

Black, G. A., M.D. W. Ont.

Demrs. in Clin. Medicine

Goldberg, H. I., B.Sc., M.D., C.M. (Dermatol.).

Gordon, C. A., M.D., C.M.

Roy, D. L., M.D., C.M.

Obstetrics and Gynæcology

Atlee, H. B., M.C., M.D., C.M., F.R.C.S. Ed. and Can. (Obstet. and Gynaecol.) Prof.

Associate Professors

Colwell, W. G., M.D., C.M.

White, G. M., M.D., C.M. McG., F.A.C.S., F.R.C.S. Can., F.R.C.O.G.

Grant, K. M., B Sc., M.D., C.M.

Demonstrators

Tupper, W. R. C., B.Sc., M.D., C.M.

Perlin, I. A., B.Sc., M.D., C.M.

Corston, J. M., M.B., Ch.B. Edin.

Ophthalmology and Oto-Laryngology

Doull, A. E., M.D., C.M. Prof.

MacRae, D. M., B.Sc., M.D., C.M. Assoc. Prof.

Holland, L. G., B.A., M.D., C.M. Asst. Prof.

Hammerling, J. S., B.Sc., M.D. N.Y. Med. Coll. Lectr.

Keays, C. F., M.D., C.M. Demr.

Shane, A. G., B.Sc., M.D., C.M. Demr.

Pathology

*McLetchie, N. G. B., M.D. Glas. Prof.

Associate Professor

MacKeen, R. A. H., M.D., C.M. McG.

Assistant Professor

Harlow, C. M., B.Sc. Acad., Ph.D., M.D., C.M. McG.

Lecturers

Nutlay, A. G., M.D. Vienna and Rome, D.D.S.

Smith, R. L., M.D., C.M. McG.

Read, H. C., M.D., C.M.

Pædiatrics

Wiswell, G. B., M.C., B.A., M.D., C.M., F.R.C.P.Can. Prof.

* Also member of Fac. of Grad. Studies.

Coward, N. B., M.D., C.M. Assoc. Prof.
Ross, H. B., B.Sc., M.D., C.M. Asst. Prof.

Lecturers
Roberts, Maureen H., M.B., Ch.B. Edin., D.P.H. Lond. (on leave 1954–55)
Ritchie, R. M., M.D., C.M.
Sigsworth, P. M. W., M.D., C.M.
Grant, R. S., B.Sc., M.D., C.M.
Morton, B. St. C., B.Sc. Acad., M.D., C.M.
Crosby, Joan M., B.Sc., M.D., C.M.

Pharmacology and Materia Medica
*Aldous, J. G., M.A. Br. Col., Ph.D. Tor. Prof.
Reynolds, A. K., B.A., M.Sc., Ph.D. W. Ont. Asst. Prof.
Szerb, J. C., M.D. Munich Asst. Prof.

Demonstrators
Cooke, J. E., B.Sc.
MacKnight, Jessie I.

Preventive Medicine
Morton, A. R., M.D., C.M., M.P.H. Johns H. Assoc. Prof.

Assistant Professors
Mackenzie, D. J., M.D., C.M., F.R.C.P.Can.
Beckwith, C. J. W., D.P.H. Tor., B.A., M.D., C.M.

Psychiatry
*Jones, R. O., B.Sc., M.D., C.M. Prof.

Assistant Professors
MacKay, R. W. M., M.D., C.M.
Dunsworth, F. A., M.D., C.M.
Hall, H. K., M.D., C.M.
Nicholson, J. F., B.Sc., M.D., C.M.
Weil, R. J., M.D. Prague.
Murchison, A. J., M.D., C.M.
Pottle, C. H., M.D., C.M.
Prosser, R. R., M.D. Edin.

Lecturers
Crook, A. J., B.A., B.S.W. Tor.
Hirsch, S., B.Sc., M.D., C.M.

Instructors
Beck, Mae, M.D. McG.
Chisholm, J. I., M.D., C.M.
Forsythe, R. G., M.D., C.M.
Jones, F. C., M.D. Tor.
Mansour, Mary, A.B. Mich. State, M.S.W.
Rudd, Marie (Speech Therapy).

Radiology
Roy, W. M., M.D , C.M. Prof.

Assistant Professors
Nichol, J. F., M.B., B.Ch. Belf.
Jones, C. M., M.D., C.M., F.A.C.S.
Manchester, J. S., M.D., C.M.

Lecturer
Smith, R. L., B.A., M.D., C.M. McG.

Instructor
Little, W. M., M.D. Tor.

Surgery and Clin. Surgery
Curry, W. A., M.D., C.M. McG., B.A., F R.C.S Prof.

Associate Professors
Skinner, G. F., M.D., C.M. McG., F.R.C.S. Ed. and Can., F.A.C.S.
Kinley, C. E., M.D., C.M., F.A.C.S., F.R.C.S.Can.
Mader, V. O., M.D., C.M. McG., F.R.C.S.Can.
Gosse, N. H., M.D., C.M., F.A.C.S., F.R.C.S.Can.
Graham, J. V., M.D., C.M., F.A.C.S.

Assistant Professors
Noble, J. A., O.B.E., B.A. Acad., M.B., Ch.B. Edin., F.R.C.S. Ed.
Ross, E. F., O.B.E., B.Sc., M.D., C.M., F.A.C.S., F.R.C.S.Can.
Murphy, A. L., B.A., M.D., C.M., F.A.C.S.

* Also member of Fac. of Grad. Studies.

O'Brien, H. D., B.A., M.D., C.M., F.A.C.S.
Merritt, J. W., M.D., C.M., F.R.C.S.Can.
Acker, J. C., M.D., C.M. McG. (Orthopæd.).
Acker, T. B., M.D., C.M. (Orthopæd.).
Stevenson, W. D., M.D. Tor., F.R.C.S.Can. (Neuro-Surg.).
Miller, B. F., B.A. St. F.X., M.D., C.M., F.R.C.S.Ed. (Orthopæd.).
House, W. K., M.D. Manit., F.R.C.S.Ed.

Lecturers

Pollett, W. E., B.A., M.D., C.M., F.R.C.S. Ed. and Can.
Nonamaker, E. P., M.D., C.M., F.R.C.S.Can.
Coady, B. K., B.A., M.D., C.M., F.A.C.S.
Bethune, G. W., B.Sc. Acad., M.D., C.M., F.R.C.S.Can.
Charman, J. H., M.D., C.M.
Stewart, H. L., M.D., C.M.

Instructors

Marshall, A. M., M.D., C.M., F.R.C.S.Ed.
Covert, G. L., B.Sc., M.D., C.M.
Black, G. A., M.D. W. Ont.
LeBrun, G. J., M.D., C.M.
Barton, F. J., M.D., C.M.

Urology

Gosse, C. L., B.Sc., M.D., C.M., F.A.C.S. Prof.
Mack, F. G., M.D., C.M., F.R.C.S. Can. Asst. Prof.

Demonstrators

Reardon, C. H., M.D., C.M.
MacGregor, H. I., B.Sc., M.D., C.M.

Medical Museums

Saunders, R. L. de C. H., M.D., Ch.B. Edin., F.R.S.S. Af., F.R.S.A. Dir.

Graduate Studies

(For other members of Fac., *see under* sep. subjects, *above*)

Johnstone, J. H. L., O.B.E., Ph.D. Yale, M.Sc. (Physics) Dean of Fac., Munro Prof.
*Welch, Mrs. Louise M., B.A. New Br., B.Ed. Edin., Ph.D. Yale (Psychol.) Prof.

Associate Professors

*Marshall, Frances, M.A. Nebraska, Ph.D. Chic. (Psychol.)
*Macdonald, A. D., Ph.D. M.I.T., M.Sc. (Physics)

Special Lecturers

Young, E. G., B.A., M.Sc. McG., Ph.D. Camb., F.R.S.C. (Biochem.)
Lewin, R. A., M.A. Camb., M.S., Ph.D. Yale (Bot.)
O'Neill, A. N., M.A. Br. Col., Ph.D. Ohio State (Chem.)
Bell, H. P., Ph.D. Tor., M.Sc (Bot.)

ADMINISTRATIVE AND OTHER STAFF

Dir., Inst. of Public Affairs: J. I. McVittie, B.A. McG. Dir., Sch. of Nursing, E. A. Electa MacLennan, A.M. Col., B.A. Dir., Public Health Clinic: C. B. Stewart, Dr.P.H. Johns H., B.Sc., M.D., C.M. Dir., Students' Health Service: W. A. Murray, M.D., C.M. Engineer in Charge of Bldgs. and Grounds: H. R. Theakston, B.Sc. (Mining), D.Eng. N.S.T.C. Sec., Fac. of Arts and Sci.: A. S. Mowat, M.A., B.Ed. Edin. Sec., Fac. of Law: W. R. Lederman, B.A., LL.B. Sask., B.C.L. Oxon. Sec., Fac. of Med.: C. B. Weld, M.A. Br. Col., M.D. Tor. Sec., Fac. of Grad. Studies: J. G. Adshead, M.A. Camb. Dir.,

* Also attached to Fac. of Arts and Sci.

Univ. Liaison : W. G. Allen. Warden, Shirreff Hall (Women's Residence) : Mary C. Mowat, B.Sc. Mt. All. Univ. Librarian : D. G. Lochhead, B.A., B.L.S. McG., M.A. Tor. Dir. Phys. Educn. for Men : A. N. Gillis, B.Sc. Springfield. Dir., Phys. Educn. for Women : Florence Rowley, B.Sc. Boston. Accountant : D. N. Borgal.

ASSOCIATED AND AFFILIATED INSTITUTIONS

UNIVERSITY OF KING'S COLLEGE, v. p. 755.

PINE HILL DIVINITY HALL, Halifax. (*Telephone* : 3-6939.) Classes in Greek l., Philosophy of Religion, and Psychology of Religion, at Pine Hill, are recognized as qualifying for the B.A. Students may complete the Div. course at the Coll. and take the B.A. in 6 yrs. Confers the degree B.D. Principal—Rt. Rev. C. M. Nicolson, B.A., D.D. 3 other Profs.

PRINCE OF WALES COLLEGE, Charlottetown, P.E.I. Students holding certain certifs. of the Coll. enter the 1st or 2nd yr. of the B.A. course. Principal—Frank MacKinnon, B.A. McG., M.A., Ph.D. Tor., LL.D. New Br.

MARITIME CONSERVATORY OF MUSIC. (*Telephone* : 3-6524.) Courses recognized for B.Mus. and Lic.Mus.

HALIFAX LADIES' COLLEGE. (*Telephone* : 3-7920.) Students who have completed the regular course and received the Matriculation Diploma are admitted to the Arts or Science course without further examn. Principal—Marion Dauphinée, B.A.

MARITIME COLLEGE OF PHARMACY, Halifax. (*Telephone* : 3-6735.) Courses recognized as part of the qualifications for B.Sc. (Pharmacy). Dean—J. E. Cooke, B.Sc.

FISHERIES RESEARCH BOARD OF CANADA. Classes in Fisheries recognized for M.Sc.

CONVENT OF THE SACRED HEART, Halifax. (*Telephone* : 3-9629.) Mother Superior—Rev. Mother C. Murphy. Recognized for Advanced Standing in 1st and 2nd yrs. in Arts.

GENERAL INFORMATION

Dalhousie College, founded in 1818 by the ninth Earl of Dalhousie, has been discharging University functions since 1863 when it was reorganized and reopened with a staff of six professors. From 1879 development was rapid, helped by the benefactions of G. Munro of N.Y. ($350,000), A. McLeod of Halifax ($65,000) and Sir Wm. Young ($88,000). In 1883 the Fac. of Law (first of its kind in the Commonwealth) was established, and in 1906 Pure Sci. united with Arts to form the Fac. of Arts and Sci. Appl. Sci. was replaced by the Fac. of Engin., which was later reduced to a Dept. by agreement with other Maritime Univs. when the N.S.T.C. opened for professional teaching. In 1911 the Fac. of Med. and in 1912 the Fac. of Dent. assumed full teaching duties. The Maritime Coll. of Pharm. was given quarters in the Univ. in 1911. The Fac. of Grad. Studies, offering instruction in Arts, Sci., Med. and Law, was established in 1949.

In 1912 $400,000 was collected for an additional site (40 acres) and bldgs. towards which Andrew Carnegie gave $40,000. Other gifts from the Carnegie Corporation and the Rockefeller Foundation permitted expansion of facilities

for the Med. Sch. after 1918. In 1923 the Univ. of King's Coll., in association with Dalhousie, was given a site on the new campus, which also contains the Provincial Archives and the Maritime Labs. of the Nat. Res. Council. The International Commission for the Northwest Atlantic Fisheries accepted the Univ.'s invitation to establish its permanent headquarters in Dalhousie in 1953. The latest addition is the Arts and Admin. Building opened in 1952.

CONSTITUTION. The Board of Governors is the supreme governing body of the Univ. Appts. to it are made by the Governor-in-Council on the nomination of the Bd. The Governors have the management of the funds and property of the Univ., the power of appointing the President, Professors and other officials and of determining their duties and salaries, and the general oversight of the work of the Univ. The Senate consists of the President and Profs. To this body are intrusted, by statute, the internal regulns. of the Univ., subject to the approval of the Governors. All degrees are conferred by the Senate. The Faculties consist of the members of the teaching staff in each of the five main domains of study in which courses can be pursued, namely Arts and Sci., Law, Med., Dent., and Graduate Studies. To them are entrusted by the Senate, subject to its approval, supervision of teaching, preparation of regulns. governing courses of study, and recommendation of suitable candidates for prizes, scholps., dipls. and degrees.

FACULTIES AND DEANS. *Arts and Science*, Prof. G. E. Wilson (Hist.); *Dentistry*, Prof. J. D. McLean; *Graduate Studies*, Prof. J. H. L. Johnstone; *Law*, Prof. H. E. Read; *Medicine*, Prof. C. B. Stewart (Epidemiol.)

LIBRARIES. Arts and Science—93,000 books and bound periodicals; Medical and Dental—26,000 books, journals and pamphlets; Law—20,500 books and bound journals. PUBLIC ARCHIVES OF NOVA SCOTIA, comprising MSS., newspapers, historical pictures and research libraries. LABORATORIES: Physics, Chem., Geol., Biol., Engin., Anat., Biochem., Physiol., Histol., Pathol., Pharm.

An INSTITUTE OF PUBLIC AFFAIRS, in which Professors of the Faculties of Arts, Law and Medicine co-operate, was established during the session 1936–37. The Institute is assisted by a Council on which the governments of Canada's four Atlantic Provinces and the major Universities of these areas are represented. The research carried out under its auspices is mainly concerned with problems of municipal government and social services. Affiliated with the Institute are the Maritime Bureau of Industrial Relations, the Maritime Labour Institute and the Nova Scotia Municipal Bureau.

MATRICULATION requirements are articulated to the High School system of the Province, which covers the last 3 years of the Public School 12-yr. course. To be admitted to a regular course leading to B.A., B.Sc. or B.Com. a student must have credit for 7 subjects of Junior Matricn. in (1) English, (2) Algebra, (3) Geometry, (4) and (5) any two of Hist., Physics, Chem., Biol., Geol., Trigonometry, Latin, Greek, French, German, Spanish, Russian, (6) and (7) two foreign langs. For B.A. one matricn. lang. must be Latin or Greek; for B.Sc. and B.Com. one must be French, German or Spanish; B.Mus.—(1) Engl., (2) Latin or a modern language, (3) Algebra, (4) Geometry, (5) one of Biology, Chemistry, Physics, (6) History or a second foreign language; LL.B. —as for B.A. or B.Sc., and completion of ten classes of the Arts course; M.D., C.M.—as for B.A. or B.Sc., and completion of the following fifteen Univ. classes: Engl. 1, Maths. 1, Chem. 1, 2, 4, Phys. 1, Biol. 1, Zool. 2, Hist. 1, four others from Depts. of Engl., Classics, Hist., Modern Langs., Philos., Psychol., Econ., Pol. Sc. and Maths., and one other from these Depts. or from

Sci. ; D.D.S.—as for B.A. or B.Sc., and completion of the following ten Univ. classes : Engl. 1, Maths. 1, Chem. 1, 2, 4, Phys. 1, Biol. 1, Zool. 2, and two electives from Engl. 2, French 1, German 3, Hist. 1, Philos. 1 ; B.Sc. (Pharm.)—as for B.A. or B.Sc. *See also* Appendix I.

DEGREE COURSES. 4 yrs.—B.A., B.Sc. B.Com., B.Mus. ; 3 yrs., following certain Univ. classes (*see above*)—LL.B. ; 4 yrs.—D.D.S. ; 5 yrs.—M.D., C.M. (taken together). The M.A. or M.Sc. is given on successful completion of an approved 2-yr. course of study by a B.A. or B.Sc., respectively, of an approved Univ. B.Ed. is given on 1-yr. course, after Dipl , plus thesis.

In addition to the Ordinary course in Arts and Science, there are Honour courses in certain subjects and groups of subjects.

DIPLOMA COURSES. Engineering, 3 yrs. ; Pharmacy, ordinary, 2 yrs. ; Education, 1 yr. : candidates must have received the B.A. or B.Sc. degree from a College or Univ. recognized by the Senate ; Lic.Mus., 3 yrs. ; Nursing, 1 yr. ; Psychiatry, 3 yrs.

Music and Pharmacy courses are taken in the Affiliated Institutions, *see above*.

FEES. Tuition : Arts or Science, $175 p.a. for 5 subjects (laboratory fees additional, $15-$30 per subject) ; Commerce, for 5 subjects, $225 p.a. ; Law, $275 p.a. ; Medicine, $350 p.a. ; Dent., $340 p.a. including use of microscope and dental engine ; Dip. course in Engin., $240-$300 p.a. Other fees : Registration, $81 ; lab. deposits when required, $30 maximum.

LOAN AND AID FUNDS for students have been instituted.

RESIDENCES. Hostel for 100 women students, Shirreff Hall, Halifax (*Telephone* : 2-2545), erected at a cost of $400,000. Charges approx. $435. Residence for men, accommodating 60. Charges from approx. $171—room only. Catering service for all students. Temporary apartments for 63 married couples.

STUDENTS' HEALTH SERVICE AND PHYSICAL TRAINING. All students are required to submit to an annual medical examn. at beginning of session. The Students' Health Service provides for this examn. and for medical services for minor ailments. A modern Gymnasium and a Rink, with artificial ice, provide adequate facilities for recreation and physical training.

PUBLICATIONS. *Calendar* (May) ; *Annual Report* (Aug.) ; *Gazette* (Oct.-March) ; *Dalhousie Review*, quarterly.

THE YEAR 1952–53

BENEFACTIONS. $290,500.

RETIREMENTS. Dr. H. W. Kirkpatrick (Dis. of Eye, Ear, Nose and Throat) ; Dr. S. R. Johnston (Radiol.).

RESIGNATIONS. Dr. G. A. Chudleigh (Dent.) ; Assoc. Prof. D. H. Barnbrook (Anat.) ; Assoc. Prof. H. D. Smith (French) ; Asst. Prof. A. W. R. Carrothers (Law).

DEATHS. J. A. Hanway (Law) ; D. B. Macneil (Dent.).

HONORARY DEGREE. *LL.D.*—Rt. Hon. Simon Ramsay, sixteenth Earl of Dalhousie.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	1059	13
Women	324	11
Total	1383	24

Postgraduate students, 57.
New admissions, 428.

DEGREES. B.A., 61 ; B.Sc., 36 ; B.Sc. (Eng. Physics), 0 ; B.Comm., 31 ; B.Mus., 0 ; B.Ed., 3 ; LL.B., 42 ; M.D., C.M., 53 ; D.D.S., 14.

DIPLOMAS. Educn., 6 ; Lic.Mus., 3 ; Engineering, 18 ; Pharmacy, 11 ; Public Health Nursing, 16 ; Teaching and Supervision in Schools of Nursing, 6 ; Food Technology, 0.

UNIVERSITY OF KING'S COLLEGE

Founded 1789, Royal Charter 1802

Postal Address: Halifax, Nova Scotia, Canada.
Telephone: Halifax 3-7497.

PATRON—THE ARCHBISHOP OF CANTERBURY.

VISITOR AND CHAIRMAN OF THE BOARD OF GOVERNORS—THE LORD BISHOP OF NOVA SCOTIA.

VICE-CHAIRMAN OF THE BOARD OF GOVERNORS—THE BISHOP OF FREDERICTON.

CHANCELLOR—Col. The Hon. RAY LAWSON, O.B.E., LL.D. Tor., W. Ont. and Miami, D.Cn.L.

PRESIDENT AND VICE-CHANCELLOR—Rev. Canon A. STANLEY WALKER, M.A. Leeds, Birm. and K.C.N.S., B.Litt. Oxon., LL.D. Dal., D.D. Qu.

DEANS—*Divinity*—Rev. J. H. A. HOLMES, M.A., D.D.; *Dean of Men and Registrar*—Rev. H. E DYSART, B A.; *Dean of Women*—Mrs. MURIEL PARKE-TAYLOR.

TREASURER—W. WOOD.

SECRETARY—Mrs. WILLIAM WOOD.

LIBRARIAN—J. B. MARTIN, M.A., Ph.D.

TEACHING STAFF

Divinity—Walker, Rev. Canon A. Stanley, M.A. Leeds, Birm. and K.C.N.S., B.Litt. Oxon., LL.D. Dal., D.D. Qu. (Ch. Hist., Homiletics, and Moral Theol.), Pres.; Holmes, Rev. J. H. A., M.A., D.D. (Dogmatics, Eccl. Polity and Ch. Hist.), Dean; Clarkson, Canon W. W., B.S.Litt., L.Th. (Hebrew and Gk. Test.), Lectr.; Prince, Rev. S. H., M.A. Tor., Ph.D. Col. (Apologetics and Comp. Religion), Prof.; Stone, Rev. C. W. F., B.A., B.D. (Liturgics), Lectr.; Dysart, Rev. H. E., B.A. (Pastoralia), Lectr.

Arts and Science (on King's Foundation, in association with Dalhousie Univ.)—Walker, Rev. Canon A. Stanley, M.A. Leeds, Birm. and K.C.N.S., B.Litt. Oxon., LL.D. Dal., D.D. Qu., Pres., Prof. of Hist.; Griffin, A. K., M.A. Tor. and Oxon., Ph.D. Tor., Prof. of Classics; Maxwell, W. R., B.A. Dal., A.M. Harv., Prof. of Econ.; Prince, Rev. S. H., M.A. Tor., Ph.D. Col., Prof. of Econ. and Sociol.; Martin, J. B., M.A. Tor., Ph.D. Harv., Prof. of Engl.; Page, Rev. F. H., M.A. Tor., Prof. of Psychol.; Lambertson, C. L., M.A. Alta. and Harv., Asst. Prof. of Engl.; MacLennan, I. A., B.Sc. Lond., Lectr. in Maths.; Granter, H. S., Sessnl. Lectr. in Hist.

Journalism (in association with Mount Saint Vincent College and St. Mary's University)—Walker, Rev. Canon A. Stanley, M.A. Leeds, Birm. and K.C.N.S., B.Litt. Oxon., LL.D. Dal., D.D. Qu., Pres., Chairman, Board of Governors; Doyle, F. W., Director of Studies; Lectrs.: Vaughan, R.; O'Connell, B.; Allen, G.; Sister Maura; Livingston, M.; Donohoe, E. F.

ADMINISTRATIVE AND OTHER STAFF

Asst. Librarians: Miss Zaidee Harris, Mrs. J. S. Simonson. Supervisor of Domestic Staff: Mrs. Mary McRitchie. Chaplain: Canon E. Malone, M.A., D.D.

GENERAL INFORMATION

Opened in 1789 at Windsor, N.S., the University was established by Provincial Statute and granted a Royal Charter by King George III in 1802. In Sept. of 1923 King's removed to Halifax and became associated with Dalhousie University, as far as Arts and Science are concerned. The academic facilities in Arts and Science are shared by the students of both Universities for the time being, but King's retains complete control of her Divinity School, as well as of her present endowments, administration of residences and all internal matters. Under the terms of the agreement between Dalhousie and King's, the University was re-established in Halifax by means of private subscriptions and with the financial aid of the Carnegie Corporation, which endowed the teaching of Liberal Arts. The new buildings, costing $450,000, were opened for the session 1930–31. The University is governed by a Board consisting of the Bishops of the dioceses of Nova Scotia and Fredericton, the President and the Treasurer of the University, *ex officio*, together with 10 members elected by the Alumni Association, 8 elected by the diocesan Synods, and 4 co-opted by the Board.

Faculties and Deans, v. p. 755.

Library. About 30,000 volumes. The library has some forty incunabula and a fair number of illuminated mediæval MSS. It is particularly rich in books of the 18th century, when the College was founded. The Library specializes in Divinity and Arts, although other fields are also represented. It has also a very fine collection of United Empire Loyalist china, which was collected in 1880 by Mrs. Weldon, a daughter of Thomas Chandler Haliburton, to mark the centenary of the landing of the Loyalists in the Saint John River Valley.

Degrees. The degrees granted by King's in the Faculty of Divinity are the Bachelor of Sacred Letters (B.S.Litt.), the B.D. and the D.D.; diplomas of Licentiate of Theology and Scholar of Theology are also awarded. There is no provision for external degrees. The language of instruction is English. King's also is a partner in a School of Journalism in association with two other local Universities. Dalhousie Univ. awards the degrees in Arts and Science only.

Scholarships. There are 6 or more Foundation Scholarships on entrance, worth $600 each, and 5 or 6 Chancellor's Scholarships of the value of $1600 each, the latter being provided for boys who wish to enter business.

Admission. The minimum entrance requirements are either the Grade XI examinations of the Provinces of Canada, provided the certificate covers English, two foreign languages (Latin is required for Arts), History, Algebra,

Geometry and a Science, or the matriculation examinations of any recognized Univ., providing the same subjects are offered. Overseas students are granted *pro tanto* recognition in certificates, which they offer on entrance. *See also* Appendix I.

PUBLICATION. *Calendar* (annual).

THE YEAR 1952–53

HONORARY DEGREES. *M.S.Litt.*—Rev. H. E. Dysart. *D.D.*—Rev. W. A. Cotton ; Very Rev. H. B. Jones. *D.Cn.L.*—A. W. Cunningham ; R. Gushue ; Rev. Canon C. Le R. Mooers.

STUDENT NUMBERS.

	Full-Time	*Part-Time*	*Extra-Mural*
Men	66	11	4
Women	28	11	..
Total	94	22	4

New admissions, 31.

DEGREES. B.A., 14 ; B.Sc., 5 ; B.S.Litt., 4.

DIPLOMAS. Journalism, 2.

LAVAL UNIVERSITY*

Founded 1852

Postal Address: Rue de l'Université, Quebec, P.Q., Canada.
Telephone: 2-1518.

ROYAL VISITOR AND CHANCELLOR APOSTOLIC—THE ROMAN CATHOLIC ARCHBISHOP OF QUEBEC, H.E. Mgr. MAURICE ROY, O.B.E., D.Th., D.Ph.

RECTOR MAGNIFICUS—Mgr A. M PARENT, D.Ph. Louvain, D.Th.

VICE-RECTOR—Mgr. FERDINAND VANDRY, C.M.G., D.Th., L.Ph.

SECRETARY GENERAL AND MODERATOR—Mgr. ROBERT DOLBEC, L.Sc., L.Zool.

ASSISTANT SECRETARY—Rev. JACQUES GARNEAU, L.Ph., L.Th.

TREASURER—Mgr. ROCH ROCHETTE, B A.

DIRECTOR OF STUDENTS—Rev. J.-C. RACINE.

LIBRARIANS—Rev. J. M. BLANCHET, B.A., B.Ph.; ANTONIO DROLET, B.A.

ARCHIVIST—Rev. ARTHUR MAHEUX, O.B E., L ès L. Paris, D Th., M A.

TEACHING STAFF

Accounting

Boulanger, M. Asst. Prof.

Actuarial Science

Instructors

Picard, J. P.
Castonguay, C.
Napier, J. O.

Administration

Samson, M. Prof.

Agriculture

Professors

Campagna, E., B.S.A., D.Sc.
Chevrette, J. E., B.S.A., D.Sc. Corn.
Diament, J., L.Ph., L.Sc.
Gagné, C., B.S.A., M.Sc. Corn.
Jean, F. X., M.Sc. Corn., L.Ph.
Pineau, M.-A., L.Sc., B.Sc.App., D.Sc. Montpellier.
St.-Pierre, M., B.S.A., D.Sc. Corn.
Scott, A., M.S.A. Tor.
Bérubé, L., B.A., B.S.A.

Assistant Professors

Alarie, A., B.S.A., D.Sc. McG.
Bégin, P., B.S A., M.Sc. Wis.
Bourque, L., B.S.A., M.Sc. McG., D.Sc. Corn.
Duncan, J., B.S.A., M.Sc. McG.
Dupuis, L. A., LL.B.
Fortin, L. de G., B.S.A., M.Sc.
Gaudette, G., B.S.A., M.Sc. Corn.
Gauthier, G., B.S.A., M.Sc. Corn., D.Sc.Nat.
Giasson, A., B.S.A., L.Ph.
Jean, Yves, B.A., B.Sc. App.
Mailloux, A., B.S.A., L.Sc. Montr.
Pelletier, J. R., M.Sc. McG., L.S.A.
Proulx, M., B.S.A.
Sirois, A., B.S.A.
Villeneuve, C. O., Ph.D. Yale

* Member of the Association of Universities of the British Commonwealth.

Instructors
Caron, L., B.A., B.S.A.
Delisle, R., B.A., I.F.
Ducharme, L., B.S.A.
Gagnon, R., B.S.A.
Gauthier, A., B.S.A.
Labrecque, P., B.S A., M.Sc. Ames.
Guimond, A., M.Sc. McG., B.S.A.
Mercier, L.-P., B.S.A.
Beaudoin, R., B.S.F.
Ouellette, G.-J., B.S.A., Ph.D. Wis.
Baril, R., B.S.A., L.S.A. Montr., M.Sc. Corn.
Dessureaux, L., B.S.A , M.Sc., Ph.D. Wis.
Choinière, L., B.S.A., M.Sc.
Théberge, J.-M., B.S.A.
Leblond, D., M.Sc. McG.
Raymond, R , B.Sc.P.

Anatomy, v. Med.

Apologetics
Drouin, M., L.Ph., B.Th. Prof.
Bergeron, M. M., L.Th. Instr.

Astronomy
Benoit, R., L.Ph., L.Th., L.D.C. Prof.
Pouliot, E., A.G. Asst. Prof.

Biochemistry, v. also Med.
Bois, E., D.Sc. Frib. Prof.
Jean, M., B.A., B.Sc.App. Asst. Prof.

Biology, v. also Med.
Professors
Tremblay, J.-L., B.Sc.App., D.Sc., Dip.Biol. Stras.
Dolbec, Mgr. R., L.Ph., L.Sc., L.Zool.
Bernard, R., B.Sc.App., M.Sc., Ph.D. Corn.
Corriveault, G. W., B.S.A., M.Sc.
Gagnon, A., L.Sc.
Vandal, J. O., L.S.A.

Assistant Professors
Labrie, J.-A., B.Sc.App., D.Sc.
Filteau, G., B.Sc.App.
Gauthier, G., B.S.A., M.Sc. Corn., D.Sc.
Pomerleau, R., B.S A., M.Sc. McG., D.Sc.
Bourbeau, G., B.Pharm., L.Sc.
Desmarais, Y., L.Sc., Ph.D.

Instructors
Brassard, A., D.Sc.
Duguay, J., A.G , I.F., M.Sc. Mich.
Richard, A., Ph.D. Corn.

Botany
Gagnon, A., L.Sc. Prof.

Bridges
Dupuis, P. A., B.Sc App Asst. Prof.
Martin, L., B.Sc.App Instr.

Canadian Literature
Bégin, E., L. ès L. Prof.
Lacourcière, L., L. ès L. Prof.

Cartography
Barrette, G., A.G., I.F. Asst. Prof.

Chemistry
Professors
Cloutier, L., B.Sc.App., D.Sc. Lille.
Gagné, A., L.Sc.
Gagnon, P.-E., B.Sc.App., D.Sc Paris, D.Ph., D.I.C.
Giguère, P.-A., B.Sc.App., D.Sc.
Gravel, L., B.Sc.App., D.Sc.
Ouellet, C., B.Sc.App., D.Sc. Zür.
L'Écuyer, P., B.Sc., D.Phil. Oxon., B.Sc.App.
Risi, J., D.Sc. Frib.
Amiot, L. P., D.Sc.

Assistant Professors
Ménard, J.-A., L.Sc.
Filteau, G , M.Sc.
Nadeau, G., Ph.D.

Instructors
Picard, S., B.A.Sc.
Ouellet, L., B.Sc.App., Ph.D.
Huot, G. L., B.Sc.App., M.Sc.

City Management

Dorion, R., B.Sc.App. Asst. Prof.
Langlois, C., B.Sc.App. Asst. Prof.

Commerce

Professors

Irénée, Br., B.Sc. (Accty.).
Bruneau, P., L.Sc.Com. (Admin.).
Hubert, Fr., B.Péd., A.M. Mich., M.Sc. (Econ.).
Lebel, P., LL.L. (Econ. and Law).
Alfred, Fr., L.Sc.Com. (Maths.).
Marc-André, Br., B.Péd., L.Ph.

Assistant Professors

Léopold, Br., L.Sc.Com. (Accty. and Maths.).
Siméon, Br., L.Sc.Com. (Accty. and Maths.).
Godbont, G., L.Sc.Com. (Admin.).
Laurent, E., LL.L., L.Ph. (Admin.).
Bertrand, D., B.Sc.Com. (Econ.).
Guimont, P.-H., A.M. Harv., L.Sc.Com. (Econ. and Fin.).
McBriarty, W. J., M.A. (Engl.).
Breton, R., L.Sc.Com. (Fin.).
Guimont, J. P., B.Sc.Com. (Fin.).
Bilodeau, C., LL.L. (Philos. and Sociol.).
Bélanger, L.Sc.Com.

Instructors

Boulet, A., L.Sc.Com. (Accty.).
Genest, A. (Admin.).
Hudon, R., B.Sc.App., D.Sc. (Admin.).
Audet, P., B.A. (Econ.).
Cantin, M. (Econ.).
Derenne, J., L.Sc.Com. Louvain (Econ.).
Clément, H. (Fin.).
Beaulieu, M. L., LL.D., L.Ph. (Law).
Leclerc, C. E., LL.L. (Law).
Morin, W., LL.L. (Law).
Routhier, A., LL.D. (Law).
Ouellet, R., L.Sc.Com. (Spanish).
Bouchard, P., LL.L.
Pelletier, H., LL.L.
Gagnon, C., LL.L.
Giroux, G., L.Sc.Com.
Taschereau, J., LL.L.
De Coster, M., L.Sc.Com.
Guy, Br., M.A.E.
Lessard, G. A. A.
Theodose, Br., M.A.
Garneau, A., L.Sc.Com.
Flynn, J., LL.L.
McGoldrick, R., M.Sc.R.
Barlow, D. A., LL.B.
Lemelin, C., Ph.D. Harv.
Dumont, F., B.Soc.
Frenette, A., L.Sc.Com.

Concrete

Browsin, B., B.Sc.App. Asst. Prof.

Construction Materials

Dufresne, L., B.Sc.App. Asst. Prof.

Dentistry, v. Medicine

Drawing (Mechanical)

Désy, J. R. A. Asst. Prof.
Paré, C. Instr.
Desbiens, G. Instr.
Gitoux, L., B.Sc.App. Instr.

Ecology

Rousseau, L. Z., A.G., I.F. Prof.
Desmarais, Y., L.Sc., Ph.D. Asst. Prof.

Economics, v. also Social and Polit. Econ., Sch. of Commerce, and Soc. Sciences

Bilodeau, C., LL.L. Asst. Prof.
Wilson, J. O., M.A., Dipl.For. Oxon. Asst. Prof.

Education

Professors

Éthier, W., D.Ph. Rome.
Miville, R., B.A., L.Ph., L.Psych
Tremblay, A., M.A.Ed. Harv., L.Sc.Soc.
Lockquell, C., D.Ph., B.Péd.

Assistant Professors
L'Archevêque, P., D.Péd.
Barbeau, M., L. ès L
Deschamps, P., L.Péd.
Joly, R., L.Ph., M.A.

Instructors
Audet, L.-P., B.Péd., L.Sc.
Babin, E., D.Ph. Notre-Dame.
Bergeron, G.-A., M.D.
Bilodeau, C., LL.L.
Cantin, S., D.Ph.
Decœne, Canon A., D.Ph., D.Th. Louvain.
Lauzon, M., L.Th., L.D.C., L.Sc.Soc.
Lebel, M., B.A. Oxon., L. ès L.
Gauthier, G., B.A., Ph.D.
Plante, J. M., B.Péd.
Hector, Br., B.Péd.
Laliberté, M. P., L Sc.Soc.
Moreault, L., L.Ph.
Maranda, R., B.Sc.Soc.
Delisle, G.
Gauthier, A., D.Péd.
Chéné, H., L.Or.
Raymond, J. M., L.Ph.
Fréchet, A., L.Or.
Lessard, J. C.
Duval, R.
Arcand, G., L.Hy.
Ruel, P. H., L.Péd.
Mernier, M., L.Ph.
Turcotte, M., B.Péd.
Samson, H., M.D.
Thibodeau, Mme. R., L.Sc.
Tardif, J. M., L.Th.
Dumais, L., M.Sc.Soc.
Slater, E., L.Or.
Morin, G., M.D.

Engineering
Joncas, P., M.A., I.C., A.G., I.F., B.Sc.App. Prof.
Massé, A., A.G., I.F. Prof.
Joncas, L., B.Sc.App., I.C., A.G. Asst. Prof.

Engineering, Chemical
Cholette, A., B.Sc.App. McG., M.Sc., Ph.D. M.I.T. Prof.
Grenier, P., B.Sc.App., M.Sc. Asst. Prof.

Engineering, Electrical
Professors
Sarault, G. E., B.Sc.App., I.E. McG.
Bricout, P., I.P. Paris, L.Sc.Math., D.Sc. Paris.
Kœnig, H. P., D.Sc. M.I.T.

Assistant Professors
Boulet, L., B.Sc.App., M.Sc.
Wermenlinger, D., B.Sc.App.
Wildi, T., B.Sc.App.
Swift, L., B.Sc.App., I.E. McG.
Vaillancourt, E.

Instructors
Boisvert, M., B.Sc.App.
Gumowski, I., M.Sc.

English
Professors
Abel, G., B.A.
Falardeau, A., B.A.
Robert, G., B.A., B.Th.

Assistant Professors
Mackey, W., M.A.
Porter, E., A.G., I.F.
Lesage, J., B.A.
Gaudet, B. E.
Mullins, S., M.A. Instr.

Entomology
Maheux, G., D. ès Sc Montr., M.A., L.S.A., I.F. Prof.
Daviault, L., L.S.A., M.Sc. McG., D.Sc. Montr. Asst. Prof.

Folklore
Professors
Lacourcière, L., L. ès L., B.A.
Savard, Mgr. F.-A., B.A.

Assistant Professors
Barbeau, M., LL.L., D. ès L.
Doyon, Madeleine, B.A.

Forestry
Professors
Bédard, A., M.A., I.F., M.F. Yale, D.Sc.For.
Bourget, M. A., A.G., I.F.

Guay, E., I.F.
Lussier, O., LL.L., I.F., D.Sc.For.
Rousseau, Z., A.G., I.F.

Assistant Professors
Bernier, G.-H., A.G., I.F.
Pomerleau, R., B.S.A., M.Sc. McG., D.Sc.
Wilson, J. O., M.A., Dipl.For. Oxon.
Richard, A., I.F., M.Sc., Ph.D. Corn.
Barrette, G., B.Arp., I.F.
Deschamps, R., I.F., B.Arp.

Instructors
Lamothe, G., B.Sc.App., I.C.
Linteau, A., M.Sc.For. Yale, I.F.
Matte, L., D.Sc. Duke, I.F.
Deltour, P., D.Sc. Louvain.
Lafond, A., Ph.D. Wis., I.F.
Duguay, J., M.For. Mich.
Chouinard, L., Ph.D. Wis.

French Lang. and Lit., v. also Modern Langs.

Professors
Talbot, L., L. ès L., L.Th.
Bégin, E., L. ès L. (Fr. Lit.).
Lacourcière, L., L. ès L. (Fr. Lit.).
Laliberté, M., L. ès L. Paris, M.A. (Fr. Lit.).
Auger, J. C., L. ès L.
Savard, F. A., B.A.
Jobin, A., L.Th.
Lapointe, Jeanne, L. ès L.
Garneau, B., L. ès L., L.Th.

Assistant Professors
Fontaine, H., L.Ph., L. ès L.
Bernier, J., L. ès L.
Valin, R., L. ès L.
Simard, P. E.
Lortie, L., LL.L.
Morice, L., D.Litt.

Instructors
Lemaître, H., D.Litt.
Morisset, G., LL.L.
Dumouchel, G., L. ès L.
Crendron, J. D., L. ès L.

Geography

Instructors
Roy, J. M., D.Geo. Grenoble
Hamelin, C., L Geo.
Hamelin, L. E., L.Sc.Soc.

Geology and Mineralogy

Professors
Faessler, C., D.Sc. Frib.
Laverdière, J. W., D.Sc. Lille, M.A.
Dufresne, A.-O., M.Sc. McG.
Auger, P.-E., B.Sc.App., B.Sc. Qu., D.Sc. M.I.T.

Assistant Professors
Richard, A., I.F., M.Sc., Ph.D. Corn.
Béland, R., B.Sc. Qu., M A., Ph.D. Tor.

Instructors
Imbeault, P. E., D.Sc.
Bureau, R.

Geotechnics

Piette, G., B.Sc.App. Asst. Prof.
Fournier, R.

Greek

Professors
Beaudry, Canon E., B.A.
Lebel, M., B.A. Lond., L. ès L.
Marcotte, A., L. ès L.
Thomassin, Mgr. R., B.A.
Jobin, A., L.Th.

Instructor
Dumouchel, G., L. ès L., L.Th.

Gregorian Chant, v. also Music and Theol.

Letarte, M., B.A. Asst. Prof.

Instructors
Biron, F., B.A.
Brochu, L., B.A.
Fortier, E., B.A.

Heating

Paquet, J. M., B.Sc.App. Asst. Prof.

History (General)

Simard, A. Prof.

Assistant Professors
Baillargeon, N., L.Th.
Demers, G. E., L.Ph.
Bernier, J., L. ès L.
Trudel, M., D. ès L.
Instructors
Dulong, G., L. ès L.
Roy, A., D. ès L. Paris.
Galarneau, C., L. ès L.

History of Canada
Beaudry, Canon E., B.A. Prof.
Trudel, M., D. ès L. Asst. Prof.
Provost, H., L.Th., L.Ph. Asst. Prof.

Household Science
Ste-Thérèse-de-la-Foi, Sr., M.Sc. Asst. Prof.
Instructors
Ste-Eugénie-de-la-Foi, Sr., B.Sc. Dom.
Ste-Marie-Solange, Sr., B.Sc. Dom.
Langlois, M., M.D.
Gauvrau, J. M., D.Sc. Soc.
Abel, G., B.A.
Tousignant, Constance, B.Sc.App.
Ste-Marguerite-du-Précieux-Sang, Sr., B.Péd.
Boucher, Monique, L.Sc. Soc.
Michaud, Lorraine, M.Sc.
Ste-Madeleine-de-Galilée, Sr.
Ste-Jeanne-de-Jésus, Sr., B.Sc. Dom.
Ste-Francoise-Paule, Sr., B.Sc.
Ste-Marguerite-des-Vertus, Sr., B.Sc.
Bergeron, M., L.Th.
Ste-Claire-Martyre, Sr.
Drolet, P., L.Th.

Latin
Professors
Beaulieu, H. A., L. ès L.
Lechevalier, J., Chev. Lég. d'H., L. ès L., Ag. ès L. Paris.
Garneau, B., L. ès L., L.Th.
Gravel, L.-P., B.A.
Lamarre, P. H., L. ès L. Asst. Prof.

Law, v. *infra*

Mathematics
Professors
Barrette, G., B.A.
Benoît, G., B.A.
Boutin, F., I.F., A.G.
Larue, A., L.Sc.
Pouliot, A., M.A., B.Sc.App., I.C., L.Sc. Paris, LL.D.
Royer, M., B.Sc.App., I.C., B.Sc. M.I.T.
Savary, R., A.G., I.C.
Carrier, L., B.A.
Fillion, E., B.A.
Matte, A., B.Sc. App.
Krieger, S., D.Sc.
Assistant Professors
Gosselin, R., I.F., A.M., Ph.D. Harv.
Laliberté, L., B.A.
Porter, E., A.G., I.F.
de Vogelaere, R., I.C., D.Sc. Louvain.
Denis, B., L.Sc.
Deslauriers, C. E., B.Sc.App.
Bonneau, L. P., B.Sc.App.
Instructors
Drolet, J.-P., B.Sc.App.
Matte, L., I.F., D.Sc. Duke.
Krieger, A., B.Sc.App.
Beaupré, A., B.Sc.App.
Bisaillon, G., B.Sc.App.
Bégin, R.
Côte, L., B.Sc.App.

Medicine, v. *infra*

Meteorology
Bellefeuille, R., B.Arp., I.F., L.Sc. Asst. Prof.

Mining and Metallurgy
Professors
Letendre, G., B.Eng. McG., Ph.D. Lond.
Archambault, M., I.C.
Dufresne, A. O., M.Sc. McG.
Royer, M., B.Sc.App., I.C. Montr., B.Sc. M.I.T.

Waddington, G. W., B.Sc.App. Br. Col.
Walsh, B. J., B.Sc. Qu.
Potvin, R., B.Sc.App., I.C. Montr., B.Sc. M.I.T.
Garneau, J. B., F.C.I.C. Asst. Prof.

Instructor

Jones, I. W., B.Sc App. Alta., Ph.D. Tor.

Modern Languages

Lacerte, Mrs. Jean, D. ès L. Madrid. Prof.
Pattee, R., M.A. C.U.A. Asst. Prof.
Patry, A., L.Sc.Soc. Instr.

Music

Professors

Gagnon, H.
Talbot, R., Mus.D.
Destroismaisons, L., B.A.
Lapointe, P -C., B.Mus.
Vallières, H.
Pouliot, O.
Turgeon, J., B.A.
Cayouette, M.

Assistant Professors

Larochelle, E.
Letarte, M., B.A.
Mercure, H.
Gravel, L.
St. Hilaire, A.
Leblanc, A., L.Mus
Bélanger, E.
Klimoff, C.
Brassard, F. J.

Instructors

Beaudet, J., B.A.
Bussières, J.-M.
Darisse, G., B.M.
Fortier, E.
Letourneau, P.
Landry, Jeanne.
Payment, J., B.Mus.
Martel, J., B.Mus.
Lambert, M.
Tessier, C.

Philosophy

Professors

Grenier, Mgr. H., D.Th., D.Ph., D.D.C. Rome.
Gosselin, P. E., L.Ph.
de Koninck, C., D.Ph. Louvain.
Parent, Mgr. A.-M., D.Ph. Louvain, D.Ph.
Gaudron, E., D.Ph. Louvain.
Cantin, S., D.Ph.
Robert, P., M.A., D.Ph.

Assistant Professors

Albert, G., D.Th. Rome.
Giroux, A., L.Sc. Soc., L.Th.
Babin, E., D.Ph. Notre-Dame.
de Monléon, J., L.Ph. Paris.
Kolnai, A., D.Ph. Vienna.
Dionne, M., L.Ph., L.Th.
Simard, E., L.Ph., L. ès L.
Trépanier, E., L.Ph.
Drouin, M. J., L.Th , L.Ph.
Albert, G., D Th

Instructors

Roy, Y., L Th., L.Ph.
Tremblay, J.-L., D Sc.
Vachon, L.-A., L.Ph., L.Th.
Blanchet, L. E., L.Ph., L.Th.
Côté, A., L.Ph.
Roland, E., LL.D.
Palacios, L. E., D.Ph.
Roy, L., L.Ph.
St-Jacques, A., L.Ph.

Phonetics

Lacerte, Mrs. Jean, D. ès L. Madrid Asst. Prof.
Doyon, Madeleine, B.A. Asst. Prof.

Physics

Benoit, R., L.Ph., L.Th., L.D.C. Prof.
Kœnig, H. P., D.Sc. M.I.T. Prof.
Osborne, E. F., B.Sc.App., M.Sc., Ph.D. Yale Prof.

Assistant Professors

Joncas, L., B.Sc.App., I.C., A.G.
Boivin, A., B.Sc.App., M.Sc.
Bonenfant, F., B.Sc.App., M.Sc.

Geoffrion, C., B.Sc.App., M.Sc.
Hall, G., B.Sc.App., M.Sc.
Kerwin, L., B.Sc.App., D.Sc.
Frémont, C., M.Sc.

Instructors

Dion, A., M.Sc.
Chassé, Y., B.Sc.App
Nadeau, G., B.Sc.App.
Bernier, J. P., B.Sc.App.

Physiology, v. Medicine

Religion

..... Prof.
Rochette, Mgr. R., B.A. Prof.
Drouin, M., L.Ph. Prof.
Goyer, F. Instr.
Lavoie, R., L.Th. Instr.

Social and Political Econ.

Grégoire, J. E., LL.D., L.Sc. Écon. et Soc., L.Sc. pol. et dip. Louvain Prof.
Bilodeau, C., Dip. Ec. Pol. Sci. Oxon., LL.L. Asst. Prof.

Social Sciences

Professors

Lévesque, G. H., L.Th., Dip. Sc. soc. pol. Lille (Econ.).
Guimont, P. H., L.Sc.Com., A.M. Harv. (Econ. and Finance).
Lebel, P., LL.L. (Econ.).
Leblond, W., M.D. (Hyg.).
Poulin, G., D.Sc.Soc. Paris (Sociol.).
Bussière, E., L.Sc.Soc. (Econ. and Educn.).
Martin, J. M., L.S.A. Montr., M.S.A. Corn.
Dion, G., L.Th., L.Ph., L.Sc.Soc.
Lamontagne, M., L.Sc.Soc., A.M. Harv. (Econ.).
Falardeau, J. C., L.Sc.Soc., L.Ph. (Sociol. and Soc. Res.).
Tremblay, M., L.Sc.Soc., A M. Harv. (Sociol.).
Tremblay, G., L.Ph.
Faucher, A., M.A. Tor., L.Sc.Soc.
Bélanger, G., L.Th., L.Sc.Soc. C.U.A.

Assistant Professors

Despres, J. P., D.Sc.Soc. (Indust. Relations).
Hudon, L.-E., L.Ph., L.D.C., D.Th. (Sociol.).
Guérard, J. M., LL.L.
Denault, Hayda.
Maher, T., I.F.
Lussier, D., L.Sc.Soc.
Paré, Simone, L.Sc.Soc.
Poznanski, T., D.Sc. Berne.

Instructors

Beaulieu, M. L., LL.D., Ph.L.
Pigeon, L.-P., LL.L.
Fortier, de la Broquerie, M.D.
Laliberté, M. P., B.A.
Morisset, Thérèse.
Archambault, J. P.
Morisset, T., M.S.Soc.
Bouchard, J. M., LL.L.
Whitelaw, J. C., LL.B.
Voyer, V., M.D.
Lortie, G., L.Th.
Boucher, P., L.Sc.Soc.
Gagné, J., L.Sc.Soc.
Thibault, M.A., L.Sc.Soc.
Turcotte, A., L.Sc.Soc.
Dion, L., L.Sc.Soc.
Guay, E., B.Sc.Soc.
Gosselin, E., M.Sc.E.
Leblanc, N., M.Sc.A.
Bergeron, G., M.Sc.Soc.
Hodgson, J., M.Sc.Soc.
Tremblay, R., M.Sc.Soc.
Leclerc, P., L.Sc.Soc.
Dubé, Y., B.Sc.App.
Trottier, M., L.Ph.
Lemelin, C., B.S.A.
Chartier, R., M.Sc.Soc.
Clement, H.
Rocher, G., M.Sc.Soc.
Delage, J., M.D.

Surveying

Assistant Professors

Joncas, L., B.Sc.App., I.C., A.G.
Guay, F., A.G., I.F.

Transportation

Assistant Professors

St-Jacques, J., B.Sc.App.
Rioux, R., B.Sc.App.

Zoology

Dolbec, Mgr. R., L.Sc., L.Ph., L.Zool. Prof.

Law

v. also Accounting

Admin. and Const. Law

Duval, A., LL.L. Prof.
Pigeon, L.-P., LL.L. Prof.

Aviation Law

Morin, W., LL.L. Asst. Prof.

Bibliography

Lortie, L., LL.L. Instr.

Civil Law

Hudon, G., LL.L. Prof.
Pratte, Judge G., LL.L. Prof.
Turgeon, J., LL.L. Asst. Prof.
Gagné, M., LL.L. Asst. Prof.

Commerc. and Marit. Law

Bouffard, Hon. P.-H., LL.L. Prof.
Gravel, J.-P.-A., LL.D. Prof.
Pratte, Y., LL.L. Instr.

Company Law

Taschereau, A., LL.L. Prof.

Criminal Law

Lacroix, G., L.Ph., LL.L. Prof.

History of Law

Pelland, Léo, LL.L., L.Ph. (and Intro. to study of Law) Prof.

Industrial Legislation

Lemieux, A., LL.L. Prof.
Parent, S. G., LL.D. Instr.

International Law

Langlais, A., LL.D. Prof.

Municipal and Educational Law

Gagnon, Hon. O., LL.D. Prof.
Prévost, Y., LL.L. Asst. Prof.

Parish Law

Giroux, G.-M., LL.D. Prof.

Procedure, Civil

Professors

Choquette, F., LL L
Rivard, A., LL.L.
Turgeon, H., LL.L.
Alleyn, R., LL.L.
Gosselin, E., LL.L. Asst. Prof.

Instructors

Dorion, N., LL.L.
Doucet, J. L., LL.L.
Labrèque, A., LL.L.
Letarte, P., LL.L.
Thibaudeau, R., LL.L.
Demers, D., LL.L.
Duval, A., LL.L.
Sirois, L., LL.L.
Taschereau, J., LL.L.
Turgeon, P. P., LL.L.

Roman Law

Routhier, A., LL.D. Prof.
Bonenfant, J. C., B.A., LL.L. Prof.

Taxation Law

Letourneau, R., LL.L Prof.

Medicine

Adaptation (Experimental Physiology)

Dugal, L.-P., L.Sc., D.Ph. Penn. Prof.

Instructors

Desmarais, A., D.Sc.
Fortier, G., L.Th., L.Ph., D.Sc.
Thérien, M., D.Sc.
Fiset, P.-E.

Anæsthesia

Hudon, F., M.D. Prof.
Jacques, A., M.D. Asst. Prof.
Paquet, A., M.D. Asst. Prof.

Assistants

Allard, E., M.D.
Rinfret, L., M.D.

Anatomy

Jobin, P., M.D. Prof.

Assistant Professors
Caron, W., M.D.
Lemieux, J.-M., M.D.
Larochelle, J.-L., M.D.

Assistant
Turcot, J., M.D.

Instructors
Drouin, J. P., M.D.
Gagnon, P., M.D.
Michaud, J. T., M.D.
Mercier, A., M.D.
Royer, L., M.D.

Bacteriology
Morin, J. E., M.D. Prof.
Gaurreau, L., M.D. Instr.

Biochemistry
Professors
Gingras, Rosaire, M.D.
Gaudry, R., D.Sc.
Pagé, E., L.S.A., D.Ph. Corn.

Assistants
Martel, F., D.Sc.
Lemonde, A., D.Sc.

Biology
Giroux, M., M.D. Prof.
Potvin, A. R., M.D. Prof.
Leblond, W., M D. Asst. Prof.
Gagnon, A., B.Sc.App. Instr.

Chemistry
Marcoux, H., M.D. Prof.
Gaudry, R., D.Sc. Prof.
Berlinguet, L., D.Sc. Asst.
Loiselle, J. M., M.D. Asst.

Demography
Parrot, P., M.D. Instr.

Dentistry
Instructors
Hamel, J., D.Dent.
Langlois, R., D.Dent.

Deontology and Medical Econ.
Gauthier, C. A., M.D. Prof.

Dermatology
Gaumond, E., M.D. Prof.
Beaudry, M., M.D. Asst. Prof.
Grandbois, J., M.D. Asst.
Therrien, R., M.D. Asst.

Dietetics
Nadeau, H., M.D. Prof.

Electrotherapy
Assistant Professors
Lapointe, H., M.D.
Gosselin, J., M.D.
Payeur, L.-R., M.D.
Samson, M., M.D.

Endocrinology
Martel, A., M.D. Prof.

Gynæcology
Professors
Gagnon, F., M.D.
Garant, O., M.D.
Simard, R., M.D.

Assistant Professors
de St-Victor, J., M.D.
Demers, F. X., M.D.
Reid, L., M.D.

Assistants
Rochette, P., M.D.
Marchand, R., M.D.
Beaulieu, E., M.D.
Claveau, R., M.D.
Guimont, V., M.D.
Lemieux, E., M.D.
Savard, L., M.D.

Hygiene
Grégoire, J., M.D., D.H.P. Johns H. Prof.
Foley, A. R., M.D., D.H.P. Johns H. Asst.
Sylvestre, J. E., M.D., D.P.H. Tor. Asst.

Instructors
Claveau, P., M.D.
Fontaine, L., B.Sc.App.
Bellemare, B., M.D.

Instructors
Gilbert, J., M.D., D.H.P. Tor.

Bellemare, B., M.D.
Claveau, P., M.D.

Legal Medicine

Desrochers, G., M.D. Prof.
Martin, C. A., M.D. Asst. Prof.

Materia Medica

Lessard, R., M.D. Prof.
Claveau, R., B.Pharm. Instr.

Medical History

Leblond, S., M.D. Prof.

Medicine, Clinical

Professors

Caron, S., M.D.
Desmeules, R., M.D.
Desrochers, G., M.D.
Jobin, J.-B., M.D.
Laliberté, H., M.D.
Leblond, S., M.D.
Lemieux, R., M.D.
Lessard, R., M.D.
Nadeau, H., M.D.
Paquet, B., M.D.
Larochelle, L. N., M.D.
Martel, A., M.D.
Rousseau, L., M.D.

Assistant Professors

Drouin, G., M.D.
Dugal, J. P., M.D.

Assistants

Larue, G. H., M.D.
Patry, L., M.D.
Richard, P., M.D. Instr.
Blais, A., M.D.
Delage, J., M.D.
Rouleau, Y., M.D.

Mental and Nervous Diseases

Caron, S., M.D. Prof.
Desrochers, G., M.D. Prof.
Larue, L., M.D. Prof.
Painchaud, C. A., M.D. Asst. Prof.
Pelletier, A., M.D. Instr.
Sirois, J., M.D. Instr.

Nutrition

Page, E., D.Sc. Prof.
Babineau, L.-M., B.Sc.App. Instr.

Ophthalmology

Pichette, H., M.D. Prof.
Lacerte, J., M.D. Prof.
Audet, J., M.D. Asst. Prof.
Pelletier, J. E., M.D. Asst. Prof.

Orthopædics

Roger, J.-P., M.D. Asst. Prof.
Roy, L.-P., M.D. Asst. Prof.
Lessard, J. M., M.D. Asst.

Oto-Rhino-Laryngology

Painchaud, P., M.D. Prof.

Assistant Professors

Larochelle, P., M.D.
Pelletier, E., M.D.
Hallé, J., M.D.
Letarte, F., M.D.
Frenette, O., M D

Assistants

Maranda, E., M.D.
Fugete, P., M.D
Caux, M., M.D.
Moreau, A., M D.

Pædiatrics

Langlois, M., M.D. Prof.
Lapointe, D., M.D. Prof.
Fortier, de la Broquerie, M.D. Prof.
Dechêne, E., M.D. Asst. Prof.

Assistants

Verge, W., M.D.
Letue, A., M.D.
Thibaudeau, R., M.D.

Pathology, General

Auger, C., M.D. Prof.

Instructors

Bonenfant, J. L., M.D.
Gagné, F., M.D.
Garneau, R., M.D.
Jean, C., M.D.

Pathology, Medical

Fortier, E., M.D. Prof.
Paquet, B., M.D. Prof.
Larochelle, L. N., M.D. Prof.

Rousseau, L., M.D. Prof.
Drouin, G., M.D. Asst. Prof.
Marin, E., M.D. Asst. Prof.

Assistants
Turcotte, M., M.D.
Caouette, R., M.D.
Guay, M., M.D.
Jobin, J., M.D.
Dorval, C. H., M.D.
Rousseau, J., M.D.
Boudreault, G., M.D.
Gauthier, E., M.D.
Lapointe, G., M.D.
Lemieux, H., M.D.
Potvin, E., M.D.
Saucier, R., M.D.
Bélanger, M., M.D.
Bruneau, J., M.D.
Devarennes, P., M.D.
Lachance, W., M.D.

Instructors
Fortier, J , M D.
Samson, M., M.D.
Saulnier, G., M.D.
Lemieux, J., M.D.
Potvin, L., M.D.

Pathology, Surgical
Trempe, F., M.D. Prof.

Pharmacy
Marquis, A., B.Pharm. Prof.
Cliche, E., D.Pharm. Paris Prof.
Bourbeau, G., L.Sc., B.Pharm. Asst. Prof.

Instructors
Boissinot, A., B.Pharm.
Demers, L. P., B.Pharm.
Lemieux, J. R., M.D.

Phthisiology
Desmeules, R., M.D. Prof.

Physiology
Blanchet, R., M.D. Prof.
Bergeron, G. A., M.D. Prof.
Gagnon, A., B.Sc.App. Instr.

Physiotherapy
Gaumond, E., M.D. Prof.

Gosselin, J., M.D. Asst. Prof.
Payeur, L.-R., M.D. Asst. Prof.
Samson, M., M.D. Asst. Prof.

Radiology
Potvin, A. R., M.D. Prof.
Lessard, R., M.D. Prof.
Gosselin, J., M.D. Asst. Prof.
Payeur, L.-R., M.D. Asst. Prof.

Surgery, Clinical

Professors
Petitclerc, J.-L., M.D.
Poliquin, P. A., M.D.
Roy, F., M.D.
Trempe, F., M.D.
Vézina, C., M.D.
Auger, G., M.D.

Assistant Professors
Lavergne, N., M.D.
Lemieux, J. M., M.D.
Roger, J. P , M.D.
Verreault, J. E., M.D.
Pettigrew, A., M.D.
Samson, E., M.D.
Caron, W., M.D.
Turcot, J., M.D.

Assistants
Gagnon, G., M.D.
Giguère, A., M.D.
Leclerc, L. P., M.D.
Beaudry, E., M.D.
Brisson, F. X., M.D.
Gauthier, G. H., M.D.
Laperrière, V., M.D.
Simard, E., M.D.
Simard, L. P., M.D.
Montel, G., M.D.
Gravel, A. J., M.D.
Beaudet, H., M.D.
Jolicœur, A., M.D.
Tremblay, G. W., M.D.
Tremblay, G., M.D.

Therapeutics
Lessard, R., M.D. Laval and Paris Prof.
Delage, J. M., M.D. Instr.

Urology

Bédard, A., M.D. Asst. Prof.

Assistants

Fisher, J. G., M.D.
Coulonval, L., M.D.

Workmen's Accident Law

Leclerc, A., M.D. Asst. Prof.

Theology

Professors

Vandry, Mgr. F., L.Ph., D.Th. (Dogmatic T.).
Lemieux, Mgr. E., L.Ph., D.Th. (Ascetical T. and Liturgy).

Associate Professors

Lacouline, P., D.Th.
Petit, G., D.D.C.
Dionne, M., L.Ph., L.Th.
Mathieu, A., D.Th.

Instructors

McNicoll, Mgr. J. O., D.D.C. Rome, D.Th., L.Ph.
Beaudet, R., L.Th.
Crépeault, P.-E., L.Th.
de Monléon, J., L Ph. Paris.
Noel, L., L.Th.
Gagné, H., Ph.D. Tor., L.Th.
Fortier, E., B.Th.
de Koninck, C., D.Ph. Louvain.
Morisset, B., L.Th.
Ledit, J., D.H. Rome.
Beaumont, H., L.Th.
Ibranyi, Mgr. F., D.Ph., D.Th.
Fortier, J. M., L.Th.
Doyen, R., L.Th.
Boulay, J., D.Th.
Roy, Y., L.Ph.

ADMINISTRATIVE AND OTHER STAFF

Appts. Officer: A. Patry, L.Sc.Soc. Chaplains: A. Falardeau, B.A.; R. Lavoie, L.Th. Dir. of Health Service: P. Jobin, M.D. Dir. of Univ. Press: H. Gagné, D.Ph. Tor., L.Ph. Dir. of Students' House: M. Laliberté, L. ès L. Paris, M.A. (Fr. Lit.). Dir. of Exterior Relation Service: J. M. Martin, L.S.A. Montr., M.S.A. Corn.

AFFILIATED INSTITUTIONS

"Affiliation" or—in the case of an institution outside the provinces of Quebec and Ontario—"agrégation" involves control by the Univ. of programmes and examinations.

ÉCOLES D'INFIRMIÈRES. 14 schools affiliated. Nursing Dipl.

ENSEIGNEMENT SECONDAIRE MODERNE. 2 schools affiliated. B.A.

ENSEIGNEMENT CLASSIQUE, 1st degree (*High School*), 18 schools affiliated. 1st and 2nd degrees: for girls, 9 schools affiliated; for boys, 23 affiliated and 1 aggregated. Matric. Dipl. and B.A.

ÉCOLE SUPÉRIEURE DE SCIENCES DOMESTIQUES. 1 school affiliated. B.Sc. Dom.

COURS LETTRES-SCIENCES. 50 schools affiliated. Matric. Dipl.

GENERAL INFORMATION

The Univ. was founded by the Seminary of Quebec in 1852 under a Royal Charter. A general supervision of teaching and discipline is exercised by the Archbishop of Quebec as Visitor and Chancellor Apostolic and President of the Conseil Supérieur of Bishops of the ecclesiastical province of Quebec. The Profs. of the Faculties of Theology, Canon Law and Philosophy are nominated by the Visitor, those of other Faculties by the Conseil de l'Université,

composed of the Directors of the Seminary of Quebec and 3 Senior Profs. of the Faculties of Theology, Arts, Law and Medicine, and the Deans of the Faculties of Philosophy, Letters, Sciences, Social Sciences, Agriculture and Forestry and Surveying.

LIBRARIES: General, 275,201 vols.; others, 899,089 vols. GENERAL MUSEUM: Director: A. Jobin. LABORATORIES: Chem., Phys., Bact., Biol., Physiol., Anat., Pathol., Clinic., Physio-pathol., Biochem., Bot., Mineral., Geol., Optics, Hygiene.

FACULTIES AND DEANS. *Agriculture*: Prof. F. X. Jean; *Arts*: Rev. R. Miville; *Commerce*: Bro. Marc-André; *Forestry and Surveying*: Prof. L. Z. Rousseau; *Law*: Judge G. Pratte; *Letters*: Mgr. F.-A. Savard; *Medicine*: Prof. C. Vézina; *Philosophy*: Prof. C. de Koninck; *Sciences and Engin.*: Prof. A. Pouliot; *Social Sciences*: Prof. G. H. Lévesque; *Theology*: Prof. E. Lemieux. These Deans are permanent (elected for 3 yrs., but in general re-elected until retirement age or death), and full-time except Judge G. Pratte (permanent but part-time), Prof. C. Vézina, Mgr. F.-A. Savard and Bro. Marc-André (permanent and half-time).

SCHOOLS. *Graduate Studies*: Prof. P. E. Gagnon, Pres.; *Nursing* (14 affiliated Schools), ... Dir.; *Education*, Prof. R. Miville, Dir.; *Music*, Prof. R. Talbot; *Household Science*, Sr. Ste-Thérèse-de-la-Foi, Dir.; *Pharmacy*, Prof. A. Marquis, Dir.; *Social Work*, Prof. G. Poulin, Dir.; *Fisheries*, Prof. J. Diament, Dir.; *History and Geography*, Prof. M. Trudel, Dir.

DEGREES, DIPLOMAS AND TEACHING ACTIVITIES. The Univ. perpetuates the stages by which a Degree was, and still is, reached in the Univ. of Paris. The Baccalauréat ès Arts (B.A.) is not the equivalent of any of the English Degrees, but is an official certificate (recognized by the Govt.) that the student has successfully completed his literary and scientific studies, and is entitled to begin his professional studies in law, medicine, or applied sciences, or the higher studies. It is obtained before he leaves the affiliated Institute, Seminary or College at which he has studied. Students who reach a certain standard in both letters and sciences obtain the B.A. After the B.A. the student may proceed to the Baccalauréat in Theology (3 yrs.); in Philosophy (2 yrs.); in Social Sciences (2 yrs.); in Civil Law (4 yrs.); in Music (2 yrs.); in Pharmacy (3 yrs.); in Surveying (3 yrs.); in Agriculture (4 yrs.); in Medicine (2 yrs.); in Commerce (2 yrs.); in Education (1 yr.); in Applied Sciences (5 yrs.); in Household Sciences (2 yrs.). The course for the Licence covers 3 yrs. after the B.A. in Philos. (L.Ph.); 2 yrs. in Letters (L. ès L.); 3 yrs. in Sciences (L.Sc.); 3 yrs. in Law (LL.L.); 4 yrs. in Theol. (L.Th.); 2 yrs. in Music; 4 yrs. in Social Sciences; 2 yrs. in Education. To obtain the Doctorate it is necessary to support successfully in public a thesis and propositions as in French Univs. The D. en M. or M.D. is granted after 6 yrs.' study, by examn.

The Diploma in Forestry is awarded after 4 yrs.' study in the Faculty of Surveying and Forestry.

The Faculty of Sciences provides a 5 yrs.' course leading to the Baccalauréat in Applied Sciences, or to a Licence and to a Doctorate in Sciences.

The Univ. has granted affiliation to about 70 private schools for boys and girls. At the age of 12 yrs. the children may choose between the primary course, a certificate being granted, after Univ. examn., at the end of the fourth year, and the classical course of the first degree (High School, 4 yrs.), with a certificate of matriculation at the end of the fourth year. The main difference between the two courses is the teaching of Latin, and the advanced teaching of Mathematics and of History, in the High Schools.

The High School course is given in Schools limited to such a course, or in Colleges and "Séminaires," which give, after the High School course, the teaching usual in Colleges of Arts. In these last institutions Greek is taught for 4 yrs.; Philosophy (theory, history, essays) for 2 yrs.; Latin for 6 yrs.

ADMISSION. *See* Appendix I.

RECOGNITION of the B.A. of Laval is accorded by most European Universities, by Canadian Universities and by most of those of the U.S.A.

FEES for tuition, $300 to $500 p.a., with an extra charge for laboratories.

RESIDENCE. (Fees: $500 p.a.) Students of Theol. reside at the Grand Seminary, Quebec (*Telephone*: 2-4218). The Maison des Étudiants, 49 St-Joachim St. (*Telephone*: 2-1928), provides accommodation (rooms only) for about 40 male students. Other students live with families approved by the Moderator.

EXTRA-MURAL WORK. Summer courses in Theology, Philosophy, French, English, Spanish, Education, Gregorian Chant, Latin, Natural Sciences, Radio.

USUAL LANGUAGE OF INSTRUCTION: French.

PUBLICATIONS. *Annuaire général, Annual Report, Special Calendars*, for Graduate School, Theology, Law, Medicine, Education and Guidance, Sciences, Philosophy, Social Sciences, Nursing, Music, Letters, Commerce, Agriculture, Social Work, Surveying and Forestry, and Summer Courses. *La Revue de l'Université Laval, Le Laval théologique et philosophique, Le Naturaliste canadien, Le Laval médical, L'Enseignement secondaire au Canada, Pédagogie-Orientation, Cahiers du Cercle Laennec, Revue des relations industrielles, Revue du service social, Le Carabin* (students' paper), publications of the Fac. of Theol., publications of the Fac. of Social Sciences.

THE YEAR 1952–53

NEW BUILDINGS. Inauguration of Sch. of Surveying and For. Engin. and of Sch. of Comm. on site of new Univ. City.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. J. Folliet, Paris; Prof. A. Rambaud, Paris; H.E. Msgr. E. Blanchet, Paris; H.E. Msgr. M. Lallier, Nancy; Prof. H. Joubrel, Rennes; Prof. E. B. De Sauze, Cleveland. Prof. Lafitte, Prof. M. Lousteau, R. Bourget-Pailleront, Prof. A. Defert, Prof. G. Ansieau, Prof. J. Oudiette, Prof. C. Dangelzert, M. Gonon, B. d'Halluin, Prof. L. Robert, Prof. J. Gauthier, Prof. R. Kourilski, Prof. L. Binet, Prof. M. Champeaux, Prof. L. Gimgembre, Prof. M. Mayrolle, A. Maurois, Prof. A. Viatte, Count F. Aubry de la Noe, Rev. Fr. Bergouinoux, Prof. J. Naurois, Prof. A. Beguin, all from Paris.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. M. Doyon, Venice and Perugia; Rector F. Vandry, Cleveland; Prof. C. de Koninck, several Univs. in U.S.A.; Msgr. F. A. Savard, Boston; Prof. R. Pattee, several Univs. in U.S.A., Iceland, Finland, Sweden and Denmark; Prof. L. P. Dugal, N.Y. and Wash.; Prof. H. Fontaine, Boston; Prof. L. Lacourcière, several French Univs.; Prof. R. Gaudry, Los Angeles, Calif.; Prof. P. A. Giguère, Paris, Leeds, Durh. and Camb.; Prof. H. Pichette, Havana; Prof. G. H. Lévesque, Malines, Salamanca, Geneva, India and Japan; Prof. R. De Vogelaere, Chic., Ill.; Prof. A. Bédard, Sweden and Norway; Prof. E. Porter, Sweden and Norway; Prof. P. Robert, Brussels; Prof. A. St.-Jacques, Brussels; Prof. C. Vézina, Lisbon; Prof. M. Tremblay, Amst.; Prof. Br. Alfred, several European Univs.

DEATHS. Dr. A. Jobin (Med.); J.-H. Biermans (Governor); H.E. Msgr. A. Vachon (Sci.); Canon O. Genest (Arts); Dr. G. Racine (Med.).

HONORARY DEGREES. *University*—Rt. Hon. V. Massey; *Social Sciences*—H.E. Msgr. F. B. Viejo; R. E. G. Davis; Rev. Fr. J. Delos; H.E. V. Doré; N. MacKenzie; Mrs. D. B. Sinclair; H. W. Dodds; *Social Service*—Dr. R. Poulin; *Finance*—E. Beauvais; *Medicine*—Dr. L. Binet; Dr. A. Brunschwig; Dr. R. Courrier; Dr. H. Hermann; Dr. R. Janes; Dr. J. A. McFarlane; Dr. C. Oberling; Dr. N. W. Philpott; Dr. E. Blais; Hon. M. Trudel; C. Vézina; Dr. J.-B. Jobin; Dr. C. Best; *Letters*—R. Blanchard; H.E. Msgr. E. Blanchet; Rev. Fr. L. J. Bondy; L. van der Essen; E. Gilson; Sir Hector Hetherington; C. S. Lewis; H. Marrou; E. Pallascio-Morin; *Sciences*—G. A. Boutry; L. Chardonnens; Sir James Dunn; Rt. Hon. C. D. Howe; E. Murphy; Msgr. J. P. Nicholson; L. Pariseau; J. Piveteau; A. A. Schmon; R. C. Wallace; Sir Robert Watson-Watt; E. W. R. Steacie; L. Simard; *Philosophy*—Rev. Fr. C. Boyer; *Law*—Rev. Fr. A. Caron; G. Cresteil; Rt. Hon. F. M. Forde; L. P. Gilmour; X. J. d'Othée; W. A. MacKintosh; Hon. P. Martin; J. de La Morandière; H.E. S. Murphy; Hon. J. Nicol; Sir L. C. Outerbridge; M. Rotondi; Hon. J.-P. Sauvé; H.E. R. Schuman; Hon. O. S. Tyndale; Rt. Hon. L. B. Pearson; Hon. O. Côté; J. Dumoulin; M. Faribault; *Theology*—Rev. Fr. F. Ceuppens; *Music*—D. Defauw; R. Jobin; W. Pelletier; *Economics*—A. Stewart; F. C. James; P.-H. Guimont; *Canon Law*—H.E. Msgr. P. de Tarso Campos; *Education*—Msgr. R. Tardif.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	5307	1310
Women	1780	749
Total	7087	2059

Postgraduate students, 74.
New (full-time) admissions, 2263.

DEGREES. *Theol.*: Bacc., 25; Lic., 8; *Philos.*: Bacc., 12; Lic., 10; *Law*: Bacc., 10; Lic., 36; *Med.*: Doct., 109; *Arts*: Bacc., 562; *Household Sc.*: Bacc., 17; *Nursing*: Dipl., 303; *Music*: Bacc., 6; Lic., 2; *Educn.*: Bacc., 28; Lic., 9; *Letters*: Bacc., 2; Lic., 12; *Mod. Langs.*: Dipl., 27; *Bibliotheconomy*: Dipl., 11; *Chemistry*: Bacc., 7; *Phys.*: Bacc., 4; *Chem. Eng.*; Bacc., 11; *Mines and Metall.*: Bacc., 6; *Electr. Engin.*: Bacc., 9; *Biol.*: Lic., 1; *Sci.*: Lic., 1; *Civil Engin.*: Bacc., 20; *Pharm.*: Bacc., 19; *Agric.*: Bacc., 9; *Fisheries*: Bacc., 2; *Soc. Sci.*: Bacc., 13; Lic., 12; *Soc. Work*: Bacc., 16; Lic., 11; *Surveying*: Bacc., 8; *Forest Engin.*: Bacc., 16; *Comm.*: Bacc., 118; Lic., 62; *Every field*: Master's degree, 20; Cert. of admission to doctor's degree, 8; Doctor's degree, 21.

[*Information compiled as at July* 1954.

McGILL UNIVERSITY*

Founded 1821

Postal Address: 805 Sherbrooke St. West, Montreal 2, P.Q., Canada.
Telephone: Marquette 9181.

VISITOR—H.E. THE GOVERNOR-GENERAL OF CANADA.

CHANCELLOR—BERTIE C. GARDNER, M.C., D.C.L. Bishop's, LL.D.

PRINCIPAL AND VICE-CHANCELLOR—F. CYRIL JAMES, Chev. Lég. d'H., B.Com. Lond., A.M., Ph D. Penn., D.Sc. Clarkson, D. de l'U. Montr., D C.L. Bishop's, LL.D. Qu., N.Y., Sask., Manit., Tor., Syracuse, Lond., Ursinus, New Br., McM., Birm., Panj., Camb., F.R.S.C.

DEANS—*Agriculture*—W. H. BRITTAIN, M.S. in Agr., Ph.D. Corn., D.Sc. Br. Col., B.S.A., F.A.I., F.R.S.C.; *Arts and Science*—H. N. FIELDHOUSE, B.A. Oxon., M.A. Sheff., F.R.S.C.; *Dentistry*—D. P. MOWRY, D.D.S., F.A.C.D., F.D.S.R.C.S.; *Divinity*—J. S. THOMSON, M.A. Glas., D.D. Glas., Emmanuel, Tor., LL.D. McM., Manit., Qu., Tor., Wash. State, McG., Alta., F.R.S.C.; *Engineering*—R. E. JAMIESON, O.B.E., M.Sc., P.Eng.; *Graduate Studies and Research*—D. L. THOMSON, B.Sc., M.A. Aberd., Ph.D. Camb., LL.D. Middlebury and Aberd., F.C.I.C., F.R.S.C.; *Law*—W. C. J. MEREDITH, Q.C., M.A. Camb.; *Medicine*—G. L. DUFF, M.A., M.D., Ph.D. Tor., F.R.C.P. Can., F.R.S.C.; *Music*—D. CLARKE, M.A., Mus.B. Camb., F.R.C.M., F.R.C.O.

COMPTROLLER AND EXECUTIVE ASSISTANT TO THE PRINCIPAL—S. H. DOBELL, D.S O.

SECRETARY AND BURSAR—W. BENTLEY, F.C.I.S.

REGISTRAR—T. H. MATTHEWS, M.A. Oxon., LL.D. McM.

ASSISTANT REGISTRARS—VIRGINIA CAMERON, B.A.; W. BRUCE ROSS, M.Sc., Ph.D.

LIBRARIAN—RICHARD PENNINGTON, B.A. Birm., Lib.Dip. Lond.

WARDEN OF THE ROYAL VICTORIA COLLEGE (WOMEN)—MURIEL V. ROSCOE, A.M., Ph.D. Radcliffe, D.Sc. Acad., LL.D. Qu.

DIRECTOR OF EXTENSION COURSES—F. S. HOWES, Ph.D. Lond., M.Sc., D.I.C.

SUPERINTENDENT OF BUILDINGS AND GROUNDS—R. G. DEFRIES, Ing.E.T.P. Paris.

INCORPORATED COLLEGES

MACDONALD COLLEGE, Ste-Anne de Bellevue, P.Q. (*Telephone*: Ste-Anne de Bellevue 335), including Faculty of Agric., School for Teachers and School

* Member of the Association of Universities of the British Commonwealth.

of Household Science. Vice-Principal—W. H. Brittain, M.S. (Agr.), Ph.D. Corn., D.Sc. Br. Col., F.R.S.C.

ROYAL VICTORIA COLLEGE, Montreal (the Women's College of the Univ.). (*Telephone*: Marquette 9181.) Warden—Muriel V. Roscoe, A.M., Ph.D. Radcliffe, D.Sc. Acad., LL.D. Qu.

TEACHING STAFF

McGILL COLLEGE (Faculty of Arts and Science)

Accounting, v. Commerce, *infra*

Agriculture, v. Macdonald College, *infra*

Anatomy (*Histology, Embryology*)

Martin, C. P., M.A., M.B., Ch.B., Sc.D. Dub. Reford Prof.
Leblond, C. P., M.D., D.Sc. Paris, Ph D. Montr. Prof.
Banfill, S. M., B.A. Bishop's, M.D., C.M. Assoc. Prof.

Assistant Professors

Forster, D. S., M.D., C.M., M.A.
Cox, Phœbe, A.B. Mount Holyoke, M.D., C.M.

Lecturers

Clermont, Y., B.Sc. Montr.
Nadler, N. J., B.Sc., M.D., C.M.
Workman, E. W., M.D., C.M., M.Sc.
3 Demrs., 1 Res. Assoc., 1 Teaching Fellow.

Anthropology, v. Sociology, *infra*

Architecture, v. *infra*

Art, v. Fine Arts, *infra*

Bacteriology, v. Medicine, *infra*

Biochemistry

Thomson, D. L., B.Sc., M.A. Aberd., Ph.D. Camb., LL.D. Aberd. and Middlebury, F.C.I.C., F.R.S.C.
Dean of Fac. of Grad. Stud. and Research, and Cheney Prof.
Quastel, J. H., Ph.D. Camb., D.Sc. Lond., F.R.I.C., F.R.S. Prof.
Denstedt, O. F., B.Sc. Manit., Ph.D., F.C.I.C. Assoc. Prof.
Elliott, K. A. C., M.Sc. S.A., Ph.D., Sc D. Camb. Assoc. Prof.
Heard, R. D. H., M.A. Tor., Ph.D. Manc., F.R.S.C. Assoc. Prof.
Wright, Margaret, B.Sc. Sessl. Lectr.
Hosein, E., M.Sc , Ph D. Sessl. Lectr.
Purvis, Mrs. Margaret, B.Sc. Sessl. Lectr.
2 Demrs., 1 Res. Assoc.

Biophysics

Evelyn, K. A., B.Sc., M.D., C.M., F.R C.P.Can., F.A.C.P. Assoc. Prof. and Dir. of Res. Inst. of Biophys.
Turgeon, G. R., B.A. Camb., M.D., C.M. Asst. Prof.

Botany

Roscoe, Muriel V., A.M., Ph.D. Radcliffe, D.Sc. Acad., LL.D. Qu. Prof.
Gibbs, R. D., Ph.D. Lond., M.Sc., F.L.S., F.R.S.C. Assoc. Prof.
Waygood, E. R., M.S.A., Ph.D. Tor. Assoc. Prof.
Towers, G. H. N., M.Sc. Asst. Prof.
Wilson, C. M., B.Sc., M.A. Virginia, Ph.D. Harv. Asst. Prof.

Chemistry, v also Engineering, Chemical, *infra*

Maass, O., C.B.E., Ph.D. Harv., LL.D. Manit., D.Sc. Roch., Laval and Tor., M.Sc., F.C.I.C., F.R.S.C., F.R.S. Macdonald Prof.

Purves, C. B., B.Sc., Ph.D. St. And., D.Sc. Lawrence Coll., F.R.S.C. (Indust. and Cellulose Chem.) Eddy Prof.
Hatcher, W. H., M.Sc., Ph.D., F.C.I.C., F.R.S.C. Prof.
Winkler, C. A., O.B.E., M.Sc. Manit., D.Phil. Oxon., Ph.D., F.C.I.C., F.R.S.C. Prof.
Mennie, J. H., B.Sc. Oxon., M.A. Br. Col., Ph.D. Assoc. Prof.
Nicholls, R. V. V., M.Sc., Ph.D., F.C.I.C., F.C.S. Assoc. Prof.
Taurins, A., Dr.Chem. Riga Assoc. Prof.
Ross, A. S., B.A. W. Ont., A.M. Oberlin, Ph.D. Assoc. Prof.
Holcomb, R. K., B.S.A., Ph.D. Asst. Prof.
Schiff, H. I., M.A., Ph.D. Tor. Asst. Prof.
Mason, S. G., B.Eng., Ph.D. Hon. Lectr.
Ross, J. H., D.Sc. Geneva, B.Sc. Hon. Lectr.
Timell, T. E., Dr.Sc.Tech. Inst. of Tech., Stockholm Hon. Lectr.
Madras, S., B.Sc. Sir G. Wms., Ph.D. Sessl. Lectr.
Yaffe, L., M.Sc. Manit., Ph.D. Sp. Lectr.

7 Demrs., 1 Fellow.

Classics

Carruthers, C. H., B.A. Oxon., M.A. Tor., Ph.D. Chic. (Class. Philol.) Prof.
Woodhead, W. D., B.A. Oxon., M.A. Alta., Ph.D. Chic. Mills Prof.
Counsell, E. M., M.B.E., B.A. Oxon. Assoc. Prof.
McCullagh, P. F., B.A. Tor., Ph.D. Chic., M.A. Assoc. Prof.
Gordon, C. D., B.A. Alta., M.A., Ph.D. Mich. Asst. Prof.
Vallillee, G. A., B.A. Lectr.

Commerce, v. *infra*

Dentistry, v. *infra*

Economics and Political Science

Beach, E. F., B.A. Qu., A.M., Ph.D. Harv. Bronfman Prof.
James, F. C., Chev. Lég. d'H., B.Com. Lond., A.M., Ph.D. Penn., D.Sc. Clarkson, D. de l'U. Montr., D.C.L. Bishop's, LL.D. Qu., N.Y., Sask., Manit., Tor., Syracuse, Lond., Ursinus, New Br., McM., Birm., Panj., Camb., F.R.S.C (Pol. Econ.) Principal and Vice-Chancellor of Univ., Prof.
Woods, H. D., M.A. Bronfman Prof.
Marsh, D., B A. New Br., M.A. Louisiana State, Ph.D. Ill. Prof.
Mayo, H. B., M.A., D.Phil. Oxon. Visiting Prof.

Associate Professors

Callard, K. B., B.Sc. Lond.
Culliton, J. T., B.A. Sask., M.A.
Mallory, J. R., B.A. New Br., M.A. Dal., LL.B Edin. (Pol. Sci.).
Weldon, J. C., B.A.

Assistant Professors

Kemp, M. C., B.Com., M.A. Melb.
Vineberg, P. F., B.C.L., M.A.

Lecturers

Pratt, R. C., B.Phil. Oxon., B.A.
Brecher, M., B.A., Ph.D. Yale
Wiseman, Sylvia, B.A.

Sessional Lecturers

Frankel, S., B.A.
Armstrong, D. E., B.A., B.Com. Alta.
Dessover, F. E., B.C.L. Erlanger, Dr.Jur. Munich

4 Assts., 1 Res. Assoc.

Education, v. also Macdonald Coll., *infra*

Currie, A. B., B.Com. Qu., M.A., M.Ed. Alta., Ph.D. Lond. Assoc. Prof.

Sessional Lecturers
Hebert, D. M., Mus.Bac. Chic.
Low, Ruth M., B.A.
Taylor, J. H., B.A. Qu. and McG.
Teakle, C. T., M.A. Bishop's, B.A.
Lead, H. D., M.Sc., Ph.D.
Rittenhouse, C., M.A.
Savage, Annie D.

Embryology, v. Anatomy

Engineering, v. *infra*

English Lang. and Lit.
Duthie, G. I., M.A., Ph.D., D.Litt. Edin. Molson Prof
Files, H. G., A.M., Ph.D. Harv. Greenshields Prof.
Hemlow, Joyce, M.A. Qu., A.M., Ph.D. Harv. Assoc. Prof.
MacLennan, H., B.A. Dal., M.A. Oxon., A.M., Ph.D. Prin., D.Litt. W. Ont. Assoc. Prof.

Assistant Professors
Beresford-Howe, Constance, Ph.D. Brown, M.A.
Malloch, A. E., M.A. Tor.
Porter, S. W., B.A., M.F.A. Yale.
Dudek, L., M.A. Col., B.A.
Potter, Winifred I., M.A Tor., Ph.D. Bryn Mawr.
Sprott, S. E., B.D., M A. Melb.

Lecturers
Fricker, Kathleen M., M.A.
Simpson, Margery E., B.A.
Sproule, H., B.A. Dal.
Luxton, Eleanor, M.A. Alta., B.Sc. Minneap. Asst. Lectr.

Fine Arts
Lyman, J. Assoc. Prof.
Judkins, W. O., A.M. Harv. Assoc. Prof.
Viau, G. Asst. Prof.
1 Demr.

French, v. Romance Langs., *infra*

Genetics
Boyes, J. W., M.Sc. Sask., Ph.D. Wis. Assoc. Prof.
Boothroyd, E. R., B.Sc. Bishop's, M.Sc., Ph.D. Asst. Prof.
Fraser, F. C., B.Sc. Acad., M.D., C.M., M.Sc., Ph.D. Asst. Prof.
Slatis, H. M., S.B., Ph.D. Chic. Asst. Prof.
Metiakos, J. D., M.Sc., Ph.D. Lectr. and Res. Fellow.

Geography
Hare, F. K., B.Sc. Lond., Ph.D. Montr., F.R.Met.S. Prof. and Dir. of Geog. Summer Sch.
Bird, J. B , M.A. Camb. Assoc. Prof.
Zaborski, B., Ph.D. Warsaw, Dozent Cracow Assoc. Prof.
Summers, W. F., B.Sc. Dal., M.Sc. Lectr.
Washburn, A. L., B.A. Dartmouth, Ph.D. Yale Hon. Lectr.
Hills, T. L , M.A. Camb. Sessl. Lectr.
Orvig, S., B Sc. Oslo Sessl. Lectr.
2 Res. Assocs.

Geological Sciences
Clark, T. H., A.M., Ph.D. Harv., F.G.S.A., F.R.S.C. (Palæont.) Logan Prof.
Gill, J. E., Ph.D. Prin., B.Sc., F.R.S.C. Prof.
Krank, E. H., D.Sc. Helsingfors Prof.
Stevenson, J. S., B.A., B.Ap.Sc. Br. Col., Ph.D. M.I.T., F.G.S.A., F.R.S.C. Assoc. Prof.
Riddell, J., B.Eng., M.Sc. Asst. Prof.
Saul, V. A., D.Sc. M.I.T., B.Sc. Asst. Prof.
Stearn, C. W., B.Sc. McM., M.S., Ph.D. Yale Asst. Prof.
1 Demr.

German

Graff, W. L., Ph.D. Louvain
Prof.

Meyer, Bertha, M.A. Asst. Prof.

Block, V., M.A. Lectr.

Graduate Studies and Research, v. *infra*

Greek, v. Classics

Histology and Embryology, v. Anatomy, *supra*

History

Fieldhouse, H. N., B.A. Oxon., M.A. Sheff., F.R.S.C.
Dean of Fac. of Arts and Sci. and Kingsford Prof.

Adair, E. R., B.A. Lond., M.A. Camb., F.R.Hist.S. Prof.

Bayley, C. C., M.A. Manc., Ph.D. Chic. Assoc. Prof.

Cooper, J. I., M.A. W. Ont., Ph.D. Assoc. Prof.

Reid, W. S., Th.M. Westmin., Ph.D. Penn., M.A.
Assoc. Prof.

Mladenovic, M., B.Com., M.L. Belgrade, D.LL., D. ès Sc. Pol., D. ès Sc. Écon., Dip. des Hautes Études Soc. Paris
Asst. Prof.

Household Science, v. Macdonald Coll., *infra*

Latin, v. Classics

Law, v. *infra*

Library Science, v. *infra*

Logic, v. Philos.

Mathematics

Tate, H., B.Sc. N.U.I., M.A. Dub.
Prof.

Wallace, P. R., M.A., Ph.D. Tor.
Prof.

Zassenhaus, H. J., M.A. Glas., Dr. Rer. Nat., Dr. Habil. Hamb.
Prof.

Rosenthall, E., Ph.D. Cal. Tech., M.Sc. Prof.

Associate Professors

Fox, C., M.A. Camb., D.Sc. Lond.

Kaufman, H., M.Sc., Ph.D.

Kozakiewicz, W., Ph.D. Warsaw, M.A.

Quenoville, M. H., M.A. Camb. and Oxon.

Solin, C. D., Ph.D. Tor., M.A.
Asst. Dean, Fac. of Arts
Sci., Assoc. Prof.

Assistant Professors

Burrow, M. D., M.Sc.

Butzer, P. L., B.Sc. Loyola, Ph.D. Tor.

Jackson, J. D., B.Sc. W. Ont., Ph.D. M.I.T.

Lambek, J., M.Sc., Ph.D.

Morris, T. F., Ph.D. Tor.

Ross, W. B., M.Sc., Ph.D.

Sharp, R. T., M.Sc.

Wood, L. P., B.Sc.

Lecturers

Laufer, P. J., B.Sc.

McKay, C. D., M.C., M.Sc. Qu.

Melamed, S., B.Sc.

Oler, N., B.Sc.

Patterson, R. A., B.A. Mt. All., B.Pæd. Tor.

9 Demrs., 1 Res. Assoc.

Medicine, v. *infra*

Metallurgy, v. Engin., *infra*

Mining, v. Engin., *infra*

Music, v. *infra*

Nursing, v. Sch. for Grad. Nurses, *infra*

Palæontology, v. Geological Sciences, *supra*

Philosophy

Maclennan, R. D., M.A. Edin.
Macdonald Prof.

Klibansky, R., M.A. Oxon., D.Phil. Heidel. (Logic and Metaphysics) Research Prof.

Currie, C., Ph.D. Harv., M.A. Assoc. Prof.
Henderson, T. G., Ph.D. Harv., M.A. Assoc. Prof.
Stewart, W. F. M., M.A., Ph.D. Edin. Asst. Prof.
McKinnon, A. T., M.A. Tor., Ph.D. Edin. Asst. Prof.
1 Asst.

Physical Education, v. *infra*

Physics

Foster, J. S., Ph.D. Yale, D.Sc. Acad., F.R.S.C., F.R.S. Macdonald Prof. and Dir. of Radiation Lab.
Woonton, G. A., M.A. W. Ont., F.R.S.C. Prof. and Dir. of Electronics Res. Lab.
Marshall, J. S., M.A. Qu., Ph.D. Camb.

Associate Professors

Pounder, E. R., B.Sc., Ph.D.
Terroux, F. R., B.A. Loyola, Ph.D. Camb., M.Sc.
Watson, H. G. I., B.A. Tor., M.Sc., Ph.D.
Westcott, C. H., B.Sc. Lond., Ph.D. Camb., B.A.

Assistant Professors

Gunn, K. L. S., B.A. W. Ont., M.Sc., Ph.D.
Hitschfield, W. F., B.A.Sc. Tor., Ph.D.
McPherson, Anna I., Ph.D. Chic., B.A., M.Sc.
Wagner, S., M.Sc., Ph.D.
Whitehead, J. R., B.Sc. Manc., Ph.D. Camb.

Lecturers

de Angelis, M. L., B.Sc. Lond., M.Eng.
7 Demrs., 5 Res. Assocs.

Physiology

MacIntosh, F. C., M.A. Dal., Ph.D. Drake Prof.
Burgen, A. S. V., M.B., B.S. Prof.
Burns, B. D., B.A. Camb. Assoc. Prof.
Giblin, N., M.C., B.A. Tas., M.B., Ch.B. Edin. Assoc. Prof.
Dworkin, S., M.Sc., D.D.S., M.D., C.M. Asst. Prof.
Sekelj, P., B.E., Dr. Elect. Phys. Badiche Techn. Hoch., Karlsruhe Asst. Prof.
Terroux, Kathleen G., B.A., M.Sc., Ph.D. Asst. Prof.
Garcia, H., M.D. Univ. Central de Venezuela Lectr.
Henrikson, Mrs. Helen A. Lectr.
Johnson, A. L., M.D., C.M. Lectr.
1 Teaching Fellow.

Physiotherapy, v. Medicine, *infra*

Political Science, v. Econ. and Pol. Sci., *supra*

Psychology, v. also Medicine Psychiatry, *infra*

Hebb, D. O., B.A. Dal., Ph.D. Harv., M.A. Prof.
Ferguson, G. A., B.A. Dal., B.Ed., Ph.D. Edin. Prof.
Webster, E. C., M.A., Ph.D. Prof.

Associate Professors

Bindra, D., Ph.D. Harv.
Luchins, A. S., B.A. Brooklyn, A.M. Col., Ph.D. N.Y.

Assistant Professors

Lambert, W. E., M.A., Ph.D. N. Carolina
McBain, W. N., B.Com. Alta., M.A., Ph.D. Calf.
Poser, E. G., M.A., Ph.D. Lond.

Lecturers

Dörken, H., Ph.D. Montr.
Dufresne, G., Ph.D. Montr.
Bexton, W. H., B.A. McM., M.A., Ph.D.
Melzock, R., M.Sc.

Wigdor, Blossom, M.A. Tor., B.A., Ph.D. Sessl. Lectr.
4 Demrs., 1 Res. Assoc.

Romance Languages

Launay, J. E. L., L. ès L., Dipl. d'Ét. Sup. Paris, Ag. de l'U. de France (French) Prof. and Dir. of French Summer Sch.
D' Andrea, A., Ph.D. Pisa (Italian) Visiting Prof.
Furness, Mme Lucie T., L. ès L. Paris (French) Assoc. Prof.
Harrop, L. B., B.A., Dip.Ed. W. Aust., Dip. Est. Hisp. Santander, M.A. Interamericana, Mexico (Spanish) Assoc. Prof.
Larivière, Mme Hélène, Ag. de l'U. de France Assoc. Prof.

Assistant Professors

d'Hauteserve, L., B. ès L. and Ph., Lic. en Droit Paris, M.A. (French).
Henry, Mrs. Robina E., M.A. Dub.
Reverchon, Marie-Thérèse, L. ès L., Dipl. d'Ét. Sup. Paris, Agr. de l'U. de France.
Rigault, A. A., L. ès L. Paris, Dipl. d'Ét. Sup. Paris (French).
Champigneul, Yvonne, L. ès L., Dipl. d'Ét. Sup. Toulouse, Ag. de l'U. de France Visiting Prof.

Lecturers

Romer, T., L. ès Sc. Pol. et Soc. Lausanne.
Stegen, G. F., B.A. Sir G. Wms. (Spanish).
Kushner, Mrs. Eva, B. ès L. Paris, M.A. Sessl. Lectr.

Social Work, v. *infra*

Sociology and Anthropology

Hall, O., B.A. Qu., Ph.D. Chic., M.A. Prof.
Westley, W., Ph.D. Chic., M.A. Assoc. Prof.
Elkin, F., A.M., Ph.D. Chic. Asst. Prof.
Fried, J., A.B. Temple, Ph.D. Yale Asst. Prof.
Gerigue, P., B.Sc., Ph.D. C.S.E.
Ross, Aileen D., B.Sc. (Econ.) Lond., M.A., Ph.D. Chic. Asst. Prof.

Spanish, v. Romance Langs., *supra*

Zoology, v. also Macdonald Coll., Inst. of Parasitology, *infra*

Stanley, J., B.A. Br. Col., M.A., Ph.D. Minn. Prof.
Berrill, N. J., B.Sc. Brist., Ph.D., D.Sc. Lond., F.R.S.C., F.R.S. Strathcona Prof.
Cameron, T. W. M., M.A., D.Sc. Edin., Ph.D. Lond., F.R.S.C. (Parasitol.) Prof.
Dunbar, M., M.A. Oxon., Ph.D., F Am.G.S. Assoc. Prof.
Scott, H. R., B.Sc. Acad., Sc.M., Ph.D. Brown Asst. Prof.
Rattenbury, Joan C., Ph.D. Calif., M.Sc. Lectr.
Cleghorn, J. D. Curator.
5 Demrs., 1 Teaching Fellow.

Architecture

Bland, J., B.Arch. Dir. and Prof.
Spence-Sales, H. J., B.A. N.Z. Assoc. Prof.
Lismer, A., LL.D. Dal , F.R.S.A. Asst. Prof.
Wilson, S. A., B.Arch. Asst. Prof.
Balharrie, J. W. Asst. Prof.
Webber, G., B. Design Ill. Inst. Tech. Asst. Prof.

Lecturers

Baker, M. C., B.Eng., B.Arch.
Johnson, W. A., B.A., B.C.L.
Lebensold, D. F.

Sessional Lecturers

Sise, H. E., B.Sc. Arch. M.I.T.
Schreiber, J.

Wheeler, O., B.A. Bishop's
1 Demr.

Commerce

Accounting

Byrd, K. F., B.Sc., M.A. Lond. Prof.
Patton, D. R., B.Com. Assoc. Prof.

Lecturers

Mellor, C. D., B.Com.
Moss, A. B., B.Com.
Potter, C. C., M A., Ph.D.

Commerce

Woods, H. D., B.A. New Br., M.A. (Indust. Relns.) Dir. and Bronfman Prof.
Kierans, E. W., B.A. Prof.

Assistant Professors

Vineberg, P. F., B.C.L., M.A.
Pugsley, W. H., B.Com.
Briant, P. C., B.Com.
Turner, J.

Lecturers

Harris, A. V., B.A. Manit., B.Com.
Loftus, R., B.A. Olivet, M.B.A. Harv.
13 Demrs.

Dentistry

Mowry, D. P., D.D.S., F.A.C.D., F.D.S.R.C.S. Dean and Prof. of Periodontia.
Franklin, G., D.D.S., F.I.C.D., F.A.C.D. Prof.
Gerrie, J. W., B.A., D.D.S. Alta., M.D., C.M., D.L.O. Prof.
Leahy, W. G., B.Sc. Laval, D.D.S. Prof.

Associate Professors

Gordon, D. C., B.Sc. Acad., D.D.S.
McCutcheon, J., M.S.D. Mich., B.A., D.D.S.
Racey, A. G., D.D.S., F.A.C.D.
Ross, A., M.D., C.M.
Ereauk, L. P., B.Sc., M.D., C.M. Clin. Prof.
Donigan, M. L., D.D.S., F.I.C.D.

Assistant Professors

Cameron, D. G., M.C., B.Sc. Oxon. and Sask., M.D., C.M.
Dagg, R. E., D.D.S.
Gardner, C. McG., M.D., C.M., F.R.C.S. Can. and Eng., F.A.C.S.
Johnston, W. J., D.D.S.
Lamb, R. T., B.Sc., D.D.S.
Marchand, P. R., D.D.S.
Martin, S. J., M.D., C.M., F.R.C.S. Can. and Ed.
McMahon, R. E., D.D.S.
Townsend, S. R., B.A., M.D., C.M., F.A.C.P.
Walford, W. F., D.D.S.
Warden, E. M., M.D. Tor.
Burns, F. L., B.A. Loyola, D.D.S.
Guilboard, T. I., B.A. Loyola, D D.S.

Lecturers

Abraham, J. W., M.M., D.D.S.
Armstrong, G. D., D.D.S.
Brown, N., B.A., M.D., C.M.
Cameron, A. F., D.D.S.
Cleveland, E. T., D.D.S.
Couper, W. M., B.Sc., M.D., C.M., F.R.C.S. Ed. and Can.
Cripps, S., B.Sc., D.D.S.
Dorion, E. S., B.A. Ott., D.D.S.
Dundass, R. P., M.Dent. Mich., D.D.S.
Edmison, R. S., B.Com. Qu., D.D.S.
Edward, F. A., B.A., D.D.S.
Ferguson, R., M.B.E., M.D. Tor., F.I.C.A.
Gitnick, P. J., D.D.S.
Halpenny, G. W., B.Sc., M.D., C.M., F.R.C.P.Can., F.A.C.P.
Harvey, R. F., D.D.S.
Henry, D. W., B.A. Bishop's, D.D.S.
Mitchell, A. W., D.D.S.
McCarthy, J. J., B.Sc. St. F.X., D.D.S.
Richardson, A. D., D.D.S.

Rogers, M. A., B.A. Bishop's, D.D.S.
Rosen, L. J., D.D.S.
Shizgat, D. T., D.D.S.
Smaill, S. S., D.D.S.
Stalker, A. McT., B.A., B.C.L.
Stockwell, W. G., D.D.S.
Walsh, C. T., M.S. Mich., B.Sc., D.D.S.
Wiener, R. M , M.S. Chic., D.D.S.
32 Pt.-time Demrs.

Prosthetic D.
Bushell, W. C., D.D.S. Prof.

Divinity

Thomson, J. S., M.A. Glas., D.D. Glas., Emmanuel, Tor., LL.D. McM., Manit., Qu., Tor., Wash. State, McG., Alta., F.R.S.C.
(Philos. and Psychol. of Rel.)
Dean and McConnell Prof.
Caird, G. B., B.A. Camb., M.A., D.Phil. Oxon.
(N. Test. Lang. and Lit.) Prof.
Scott, R. B. Y., B.D. Knox, M.A., Ph.D. Tor., D.D. Vic. Tor.
(O. Test. Lang. and Lit.) Prof.
Slater, R. H. L., M.A. Camb., Ph.D. Col. (Syst. Theol.) Prof.
Smith, W. C., B.A. Tor., Ph.D. Prin (Comp. Rel.) Birks Prof.
Walsh, H. H., M.A. King's, B.D. Gen. Synod, S.T.M. Gen. Theol. Sem., N.Y., Ph.D. Col. (Church Hist.)
Assoc. Prof.
Naylor, Canon R. K., L.Th.Dioc. Theol. Coll., Montr., B.A.
Lectr.
Rogers, K. H., M.A., Ph.D. Tor., L.Th. Wycliffe Lectr.
Kerr, J., B.A. Hon. Lectr.
1 Instr.

Engineering

Jamieson, R. E., O.B.E., M.Sc.
Dean of Engin. and Scott Prof. of Civ. Engin. and Appl. Sci.

Architecture, v. *supra*

Chemical Engineering, v. also Chem., *supra*

Phillips, J. B., M.B.E., M.Sc., Ph.D., F.C.I.C. Prof.
Gauvin, W., M.Eng., Ph.D.
Assoc. Prof.
2 Demrs.

Civil Engineering and Applied Mechanics

Jamieson, R. E., O.B.E., M.Sc.
Dean of Engin. and Scott Prof.
Craig, C., B.A., M.Eng. Prof.
French, R. de L., B.Sc., C.E. Worc. Poly. Inst. (Highways and Municip.) Prof.

Associate Professors

Arcand, L. J., B.Sc., M.Eng.
de Stein, J. L., B.Eng. Sask., M.Eng.
Pakelnins, A., Dipl Eng. Charlottenburg, D.Sc. Latvia.
Wilson, V. W. G., S.M. M.I.T., B.Sc.

Assistant Professors

Coates, D. F., B.A. Oxon., B.Eng.
Joly, G. W., B.A. Loyola, M.Eng.
Neilson, S. A., B.Sc.

Lecturers

Baker, M. C., B.Eng., B.Arch.
McCoy, W. B., B.Eng.
McCutcheon, J. O., B.Eng.

Electrical Engineering

Wallace, G. A., M.Sc., Prof.

Associate Professors

Chipman, R. A., B.Sc. Manit., Ph.D. Camb., M.Eng.

Howes, F. S., Ph.D. Lond., M.Sc., D.I.C.
Schippel, W. H., B.Sc., M.Eng.

Assistant Professors

Pavlasek, T. J. F., M.Eng.
Farnell, G. W., B.A.Sc. Tor., S.M. M.I.T.
3 Demrs.

Engineering Drawing

Glynn, B. C. C. Asst. Prof.

Engineering Practice

Coates, D. F., B.A. Oxon., B.Eng. Lectr.
White, J. M., B.E. Johns H., M.B.A. N.Y. Lectr.

Mathematics, v. *supra*

Mechanical Engineering

Mordell, D. L., M.A. Camb. Prof.
Bruce, W., M.A.Sc. Tor. Prof.
Edis, A. R., B.Sc. Lond., B.Eng. Assoc. Prof.
White, J. M., B.E. Johns H., M.B.A. N.Y. Assoc. Prof.
Levine, S., M.Eng. Asst. Prof.

Lecturers

Cherna, J. C., Dipl.Ing. Tech. Hoch. Zür.
Covo, P. V., B.Eng.
Golinski, J. A., M.E. Cracow-Gliwice, M.A.Sc. Tor.
Herbst, E.
Lin, T., Dip.Ing. M.E. & E.E. Beuth-Schule, Dr.Phys. Basle.
Minty, D. H., B.Sc. Manit.
Putnaerglis, R., Dip.Mech.Eng. Latvian Univ.
Wu, J. H. T., B.Sc. Tsinghua, M.A.Sc. Tor.
5 Demrs.

Mining and Metallurgical Engineering

Morrison, R. G. K., B.A. Sc. Tor. (Mining) Macdonald Prof.
MacEwan, J. U., B.Sc. Qu., M.S. Montana (Metall.) Birks Prof.
Godard, J. S., B.Sc. (Mineral Dressing) Assoc. Prof.
Salman, T., M.Eng. Asst. Prof.
Yates, H. H., B.Sc., Ph.D. Asst. Prof.
Versteeg, J., M.Sc. W.Ont., Ph.D. Asst. Prof.
1 Demr.

Physics, v. *supra*

Public Speaking, v. Engin. Practice, *supra*

Graduate Studies and Research

Thomson, D. L., B.Sc., M.A. Aberd., Ph.D. Camb., LL.D. Aberd. and Middlebury, F.C.I.C., F.R.S.C.
Dean and Prof. of Biochem.

(Grad. instruc. and supervision of res. are undertaken by members of all Depts. of the Univ.)

Law

Meredith, W. C. J., Q.C., M.A. Camb.
Dean and Prof. of Law.

Professors of Law

Cooper, J. C., A.B. Prin., LL.M., Dir., Inst. of Internat. Law.
LeMesurier, C. S., Q.C., LL.D. Glas., B.A., B.C.L.
Baudouin, L., D. en Droit, ès Sci. Juridiques, et ès Sci. Polit. Paris.
Cohen, M., B.A., LL.B. Manit., LL.M. Northwestern.
O'Brien, J. L., Q.C., B.A., B.C.L.
Scott, F. R., B.A. Bishop's and Oxon., B.Litt. Oxon., B.C.L., F.R.S.C.

Assistant Professor

LeDain, G. E., D. de. l'U. Lyon, B.C.L.

Lecturers

Gazdik, J. G., D.C.L., Dr.Pol.Sc. Pécs, M.C.L.

Challies, Mr. Justice G. S., M.A., M.C.L.
Anglin, J. P., B.A., B.C.L.
Blumenstein, J. H., M.A., B.C.L.
Brierley, J. G., M.A., B.C.L.
Bronstetter, W. E., B.A., B.C.L.
Byers, D. N., LL.L. Montr., B.A.
Cohen, J., Q.C., B.C.L.
Courtois, E. J., B.A., LL.B. Montr.
Fels, S. S., B.C.L.
Hall, G. B. A., M.Com.
Hulbig, W. J., B.A., B.C.L.
Johnston, W., B.C.L.
LaChapelle, R., B.A. Montr., B.C.L.
Lapointe, M., B.A. Montr., M.C.L.
Leveque, R. LL.B. Montr.
Kirkpatrick, J. G., B.Sc., B.C.L.
Merefield, R. R., B.A., B.C.L.
Mitchell, J. E., Q.C., B.A., LL.B. Dal., B.C.L. Oxon.
Montgomery, T. H., M.C., B.A., B.C.L.
Nolan, J. A., Q.C., B.A , B.C.L.
Owen, G. R., B.C.L , M.A.
Patch, R. A., B.A., B.C.L.
Soden, J. A , B.C.L.
Spector, J. J., Q.C., B.A., B.C.L.
Stalker, A. McT., B.A., B.C.L.
Tees, H., B.A., B.C.L.
Weber, S. W., Q.C., LL.M. Montr., B.A.
Weldon, A. M., B.A., B.C.L.

Library School

Ross, Miss Vernon, B.S. in Lib. Sci. Col., M.A.
Dir. and Asst. Prof.
Astbury, Effie C., B.A., B.L.S.
Asst. Prof.
Murray, Virginia, M.A. Col., B.L.S.
Asst. Prof.
Coughlin, Mrs. Violet L., B.Sc., B.L.S. Lectr.
Pennington, R., B.A. Birm., Lib. Dipl. Lond.
Lectr. and Univ. Librarian.
Stronach, Mrs. Margaret, B.A., B.L.S. Sessl. Lectr.

Medicine

Anæsthesia

Griffith, H. R., M.M., M.D. Hahnemann, B.A., M.D., C.M., F.F.A.R.C.S. Assoc. Prof.
Wilkinson, F. A. H., M D., C.M.
Asst. Prof.
Slater, H. M., M.D. Tor.
Asst. Prof.

Lecturers

Cullen, W. G., B.A., M.D. Tor.
Ferguson, R., M.B.E., M.D. Tor.
Gilbert, R. G. B., M.B., B.Sc. Lond.
O'Shaughnessy, P. E., M.D., C.M.
Pasquet, A. F., M.D. Qu.
Stockwell, W. C., B.A. Bishop's, M.D., C.M.
3 Demrs.

Anatomy, v. *supra*

Bacteriology and Immunology

Murray E. G. D., O.B.E., M.A. Camb., F.R.S.C. Prof.

Associate Professors

Stevenson, J. W., M.D., C.M. Qu.
Kalz, Gertrude G , M.D., D.P.H. Prague.

Assistant Professors

Kelly, C. D., M.S.A. Br. Col., Ph.D. Corn.
Masson, Anne M., B.A. Stras., M.D. Paris.

Lecturers

Blank, F., D.Sc. (Nat. Sci.), D.Sc. (Tech. Sci) Fed. Inst. Tech. Zur.
De Vries, Mrs. Joan, B.A. Dal., M.D., C.M.
Girvin, Grace, B.A. Hunter, M.Sc., Ph.D.
Prissick, Frances H., B.A., M.D., C.M.
Silov, R., M.D. Dorpat Estonia.
1 Demr.

Biochemistry, v. *supra*

Clinical Therapeutics

Fullerton, C. W., M.D., C.M., F.A.C.P. Assoc. Prof.
Scriver, W. de M., M.A., M.D., C.M., F.R.C.P.Can., F.A.C.P. Assoc. Prof.
Fisk, G. H., B A.
Frank, B. L., B.Sc., Ph D., M.D., D.P.H. Lectr.

Gynæcology, v. Obstetrics and Gynæcology, *infra*

Health and Social Medicine

Vivian, R. P., M.D. Tor. Strathcona Prof.

Associate Professors

Fleming, D. S., B.A., M.D., C.M., D.P.H. Tor.
MacMillan, C. W., M.D., C.M. Dal., D.P.H. Tor.
Bain, Mrs. Marian A., M.Sc. Col., B.H.S. Asst. Prof.
Nix, Margaret E., B.A., M.P.H., Ph.D. Mich.

Lecturers

Allen, A. S., M.D., C.M., F.R.C.S. Can.
Bensley, E. H., M.B.E., B.A., M.D., F.A.C.P.
Burke, H. E., M.D., C.M., M.Sc., Ph.D.
Cooke, Ethel B.
Cruikshank, W. H., M.D., D.P.H., D.Psy. Tor.
Ross, H. G., M.D., C.M.
Silverman, B., M.D., C.M.
Townsend, M. G., M.D., C.M.
Wiener, F., M.D., C.M.
1 Demr.

Medicine

Browne, J. S. L., B.A., B.Sc. (Med.), M.D., C.M., Ph.D., F.A.C.P., F.R.C.P.Can., F.R.S.C. Prof.
Brow, G. R., M.D., C.M., F.R.C.P.Can., F.A.C.P. Prof.
Mills, E. S., M.D., C.M., M.Sc., F.R.C.P.Can., F.A.C.P. Prof.
Scriver, W. de M., M.A., M.D., C.M., F.R.C.P.Can., F.A.C.P. Prof.

Associate Professors

Ereaux, L. P., B.Sc., M.D., C.M.
Feeney, N., B.A. Loyola, M.D., C.M., F.A.C.P.
Fullerton, C. W., M.D., C.M., F.A.C.P.
Hoffman, M. M., B.A., M.Sc. Dal., M.D., C.M., Ph.D.
Mitchell, H. S., B.A., M.D. Qu., F.A.C.P.
McIntosh, J. F., B.A. New Br., M.D., C.M.
Palmer, J. H., M.D., C.M., F.R.C.P. Lond. and Can., F.A.C.P.
Rose, B., B.A., M.D., C.M., M.Sc., Ph.D.
Stevenson, L. G., B.A., M.D., Ph.D. Johns H.
Venning, Eleanor H., M.Sc., Ph.D.

Assistant Professors

Adams, L. J., M.D., C.M., F.R.C.P. Can., F.A.C.P.
Bennetts, R. C., A.B. Calif., M.D., C.M.
Bensley, E. H., M.B.E., B.A., M.D. Tor., F.A.C.P.
Burke, H. E., M.D., C.M., M.Sc., Ph.D.
Cameron, D. G., M.C., B.Sc. Sask. and Oxon., M.D., C.M.
Copping, G. A., M.D., C.M., F.R.C.P.Can.
Forsey, R., M.D.
Hill, W. H. P., B.A., M.D., C.M.
Howlett, J. G., M.D., C.M., M.Sc., F.R C.P.Can.
Johnson, L. G., B.Sc., M.D., C.M., F.R.C.P.Can.
Kalz, F., M.D. Prague.
Kennedy, W. R., B.Sc., M.D., C.M.
Lowenstein, L., B.A., M.D. Vanderbilt, F.A.C.P.
Mackenzie, K. R., B.A., M.D., C.M., Ph.D.
Mendel, D. L., M.D., C.M.

Pattee, C. J., B.A. Bishop's, M.D., C.M., M.Sc.
Segall, H. N., M.D., C.M., F.A.C.P.
Smith, F. McI., M.D., C.M., M.Sc., F.A.C.P.
Townsend, S. R., B.A., M.D., C.M., F.A.C.P.
Usher, B. D., B.A., M.D., C.M.
Ward, R. V., M.D., C.M., F.R.C.P. Can.

Lecturers

Aronovitch, M., B.Sc., M.D., C.M., F.R.C.P.Can.
Barker, C. S., B.A., M.D., C.M., F.R.C.P.Can., F.A.C.P.
Beck, J. C., M.D., C.M, M.Sc., Dip.Int.Med.
Bourne, F. M., B.A. Oxon., B.A., M.D., C.M., F.R.C.P.Can.
Brabander, J. O. W., M.D., C.M.
Cleghorn, R. A., M.D. Tor., D.Sc. Aberd.
Craig, G. E., B.Com., M.D., C.M., D.T.M.
Cramer, H. I., B.Sc., M.D., C.M., F.R.C.P.Can., F.A.C.P.
Fournier, C. J., M.D., C.M.
Fowler, A. F., M.D., C.M., F.R.C.P.Can.
Gordon, A. L., B Sc., M.D., C.M., F.R.C.P.Can.
Halpenny, G. W., B.Sc., M.D., C.M., F.R.C.P.Can., F.A.C.P.
Harbert, R. G. M., B.Sc., M.D., C.M.
Harris, C., B.Sc., M.D. Glas.
Malloy, C. J., B.A. Montr., M.D., C.M., F.R.C.P.Can.
Margetts, E. L., B.A. Br. Col., M.D., C.M.
Meakins, J. F., M.A. Camb., M.D., C.M., F.R.C.P.Can.
Mitchell, D. S., B.Sc., M.D. N.W.
Murphy, R. J. F., B.Sc., M.D., C.M. Dal.
McCallum, J. L., B.A., M.D., C.M., F.R.C.P.Can.
McKenna, R. D., B.A. Montr., M.D., C.M., F.R.C.P.Can.
McLellan, W. G., B.A., M.D., C.M.
Quintin, T. J., M.D., C.M., F.A.C.P.
Rodger, W. S., M.D., C.M.
Shapiro, L., M.D., C.M.
Stalker, M. R., M.D., C.M.
Thom, A. T., M.D. Tor., B.A.
Turgeon, G. R., B.A. Camb., M.D., C.M.
Weil, P. G., B.A. N. Carolina, M.Sc., M.D., C.M., Ph.D.
Wight, G. E., O.B.E., M.D , C.M.
30 Demrs., 5 Teaching Fellows.

Neurology and Neuro-Surgery

Penfield, W. G., O.M., C.M.G., Litt.B., Hon. D.Sc. Prin., M.A., D.Sc. Oxon., M.D. Johns H., B.Sc., LL.D. Wales, F.R.C.S. Can. and Eng., F.R.S.C., F R.S.
Dir. of Neurol. Inst. and Prof
Cone, W. V., B.Sc., M.D. Iowa, F.R C.S Can., F.R.S.C. Prof.
Jasper, H. H., A.B. Reed, M.A. Oregon, Ph.D. Iowa, D. ès Sc. Paris, M.D., C.M. (Exper. Neurol) Prof.
Rasmussen, T. B., M.D., M.S.
Elliott, K. A.C., M.Sc. S.A., Ph.D., Sc.D. Camb. (Exper. Neurol.)
Assoc. Prof.
McNaughton, F. L., B A., M.Sc , M.D., C.M. (Neurol).
Assoc. Prof.

Assistant Professors

Elliott, H. W., B.Sc., M.D., C.M. (Neurol.).
Elvidge, A. R., M.D., C.M., M.Sc., Ph.D., F.R.C.S.Can. (Neurol.).
McRae, D , M.D. W.Ont.
Olszewski, J., M.D. Freiburg (Neuro-anat.).
Robb, J. P., M.D. C.M., M.Sc. (Neurol.).
Tatlow, W. F., M.D. Lond.
Tower, D. B., M.D. Harv., M.Sc.
Young, A. W., M.D., C.M., F.R.C.P.Can. (Neurol.).

Lecturers

Feindel, W., B.A., M.Sc. Dal., M.D., C.M., D.Phil. Oxon.
Fisher, C. M., B.A., M.D. Tor.
Milner, Brenda, M.A. Camb., Ph.D.
Lloyd-Smith, D. L., M.D., C.M., F.R.C.P.

Obstetrics and Gynæcology

Philpott, N. W., Hon. M.D. Laval, M.D., C.M., F.R.C.O.G., F.A.C.S., F.R.C.S.Can. Prof.
Ward, C. V., B.A. Bishop's, M.D., C.M., F.R.C.S.Can., F.A.C.S. Assoc. Prof.

Assistant Professors

Foote, W. R., B.A. Br. Col., M.D., C.M., F.A.C.S.
Henry, J. S., M.D., C.M., F.A.C.S.
MacFarlane, K. T., M.D. W. Ont., F.A.C.S.
Maughan, G. B., M.Sc., M.D., C.M., F.A.C.S.
Percival, Eleanor S., B.A., M.D., C.M., F.R.C.S.Can.
Simpson, G. A., M.D., C.M., F.R.C.O.G., F.A.C.S.
Strean, G. J., B.A., M.D., C.M., F.A.C.S., F.R.C.S.Can.

Lecturers

Hendelman, M., B.A., M.D., C.M.
Latour, J. P. A., B.Sc., M.D., C.M.
Macarthur, J. L., M.D. W. Ont., F.R.C.S.Can., F.A.C.S.
Primrose, T., B.Sc., M.B., Ch.B. Edin.
Routledge, J. H., M.D., C.M., F.R.C.S.Can.
Sparling, D. W., M.D. Tor., F.A.C.S.
8 Demrs.

Ophthalmology

Johnston, K. B., M.D., C.M., F.R.C.S.Can. Prof.
Alexander, B., B.Sc., M.D., C.M. Asst. Prof.
Nicholls, J. V. V., B.A., M.Sc., M.D., C.M. Asst. Prof.

Lecturers

Kirschberg, L. S. S., M.D., C.M.
McDonald, D. W., B.A. Dal., M.D., C.M.
Turnbull, W., M.D., C.M.
Viger, R. J., M.D., C.M.
6 Demrs.

Oto-Laryngology

McNally, W. J., B.A., M.D., C.M. Dal., LL.D. St. F.X., D.Sc., F.R.C.S.Can. Prof.
Scharfe, E. E., M.D., C.M., D.L.O. Asst. Prof.
Tremble, G. E., M.D., C.M., D.L.O., F.R.C.S.Can. Asst. Prof.
McHugh, H. E., B.Sc., M.D., C.M., D.L.O. Lectr.
Shaver, F. W., M.D., C.M. Lectr.
Stuart, E. A., M.A. New Br., M.D., C.M., F.R.C.S. Can. and Ed. Lectr.
3 Demrs.

Pædiatrics

Ross, A., M.D., C.M. Prof.

Assistant Professors

Denton, R. L., B.Sc., M.D., C.M.
Geddes, A. K., M.D., C.M.
Scriver, Mrs. Jessie B., B.A., M.D., C.M., F.R.C P.Can.
Worden, E. M., M.D. Tor.

Lecturers

Bacal, H. L., M.B.E., B.A., M.D., C.M.
Benjamin, B., B.A., M.D., C.M.
MacDermot, P. N., M.D., C.M.
15 Demrs., 3 Teaching Fellows.

Parasitology, v. Macdonald College, Inst. of Parasit., *infra*

Pathology

Duff, G. L., M.A., M.D., Ph.D. Tor., F.R.C.P.Can., F.R.S.C. Dean of Fac. and Strathcona Prof.

Waugh, T. R., A.B. Yale, M.D., C.M., D.Sc. Prof.

Associate Professors

McMillan, G. C., M.D., C.M., M.Sc., Ph.D. Fraser Assoc. Prof.
Pritchard, J. E., M.D. Manit.
Waugh, D. O. W., M.D., C.M., M.Sc., Ph.D.

Assistant Professors

Mathews, W. H., M.D., C M.
Wiglesworth, F. W., M.D Manit.

Lecturers

Klatzo, I., M.Sc., M.D. Freiburg
Lautsch, E. V., B.A. Manit., M.D. Laval, M.Sc.
Mackenzie, M. B., B.Sc., M.D., C.M.
Fisher, C. M., B.A., M.D. Tor. Sessl. Lectr.
Leach, W. B., M.D. Manit., M Sc. Sessl. Lectr.
4 Demrs., 1 Teaching Fellow.

Pharmacology and Therapeutics

Melville, K. I., M.D., C.M., M.Sc. (Pharm.) Prof.
Benfey, B. G., M.D. Hamburg Lectr.
Hokin, L. E., M.D. Louisville, Ph.D. Sheff.

Physiology, v. *supra*

Physiotherapy, v. Physical and Occupational Therapy, *infra*

Psychiatry

Cameron, D. E., M.D. Glas., D.P.M. Lond., F.R C.P. Can. Prof. and Dir., Allan Memorial Inst. of Psychiatry.

Associate Professors

Cleghorn, R. A., M.D. Tor., D.Sc. Aberd.
Hoffman, M. M., B.A., M.Sc. Dal., M.D., C.M., Ph.D.
Malmo, R. B., M.A. Missouri, Ph.D. Yale (Psychol.).
Moll, A. E., B.C.L., M.D., C.M.
Prados y Such, M., B.A. Granada, M.D. Madrid.
Silverman, B., M.D., C.M.
Wittkower, E., M.D. Berl.

Assistant Professors

Albert, S., B.A., M.D., C.M.
Dancey, T. E., M.D., C.M.
Hanson, F., B.Sc. Wis., M.D. Nebraska.
Lehmann, H., M.D. Berl.
Reed, G. E., M.B. Tor.
Statten, T., M.D. Tor.
MacLeod, A. W., B.Sc., M.B., Ch.B., D P.H. Glas., D.Psy.M. Lond.
Tyhurst, J. S , M.D., C.M.

Lecturers

Anfreiter, J., M.D.
Beaubien, J., B.Sc., M.D., C.M., Dipl Psych.
Boag, T. J., M B., Ch.B. Liv.
Bos, C. G., B.A., M.D., C.M.
Bowes, H. A , M.D. Durh.
Caplan, H., M.D., C.M.
Cormier, B., B.A., M.D. Montr.
Emanuel, E., B.A., B.M., B.Ch. Oxon., D.Ch., D.P.M. Lond., F.R.C.S.Can.
Hamilton, R. C., M.Sc., M.D. Alta.
Hershon, H., M.D. Geneva, B.Sc.
Hisey, L. G., M.D. Tor.
Kral, V. A., M.D. Prague.
Margetts, E. L., B.A. Br. Col , M.D., C.M., Dipl.Psych.
Morf, G., M.D. Berne, D. ès L. Neuchâtel
Saffran, M., M.Sc., Ph.D.
Shagrass, C., M.S. Roch., M.D., C.M.
Skitch, C. H., B.A., M.D. Alta.
Straker, M., M.D., C.M.
Tunis, M., B.Sc., M.D.
Wilner, S., B.A., M.D., C.M., Dipl.Psych.
6 Demrs., 1 Res. Assoc., 3 Teaching Fellows.

Radiology

Peirce, C. B., A.B., M.Sc., M.D. Mich., F.A.C.P., F.R.C.P.Can. Prof.
Bouchard, J. J. L., M.D. Laval, D.M.R.E. Camb. Assoc. Prof.
McKay, J. W., M.D., C.M. Dal., F R.C.P.Can. Assoc. Prof.
McRae, D. L., M.D. W. Ont. Asst. Prof.
Newsham, L. G. S , B.A. Sask., Ph.D. (Physics) Asst. Prof.
Brown, N., B.A., M.D., C M. Lectr.
Crutchlow, E. F., O.B.E., B.A., M.D., C.M. Lectr.
2 Demrs.

Surgery

Rowe, P. G., B.Sc., M.D., C.M., F.R.C.S.Can. Prof.
Webster, D. R., O.B.E., B.A., M.D., C.M. Dal., M.Sc., Ph.D., F.R.C.S.Can. (Exper. S.) Prof.

Associate Professors

Armour, J. C., M.D., C.M., M.Sc.
Martin, S. J., M.D., C.M., F.R.C.S. Ed. and Can.
Ross, D. E., M.D., C.M., M.Sc., F.A.C.S., F.R.C.S.Can.
Wilkie, A. L., B.A. St. F.X., M.D., C.M.

Clinical Professor

Smith, E. S., M.D., C.M., F.R.C.S. Can., F.A.C.S.

Assistant Professors

Baxter, S. G., M.D., C.M., M.Sc., Ph.D.
Dawson, H. L., B.A., M.D., C.M.
Dolan, H. S., B.A., M.D., C.M. Dal., F.A.C.S.
Gardner, C. M., M.D., C.M., F.R.C.S. Eng. and Can., F.A.C.S.
Gerrie, J. W., B.A., D.D.S. Alta., M.D., C.M., D.L.O.
Luke, J. C., M.B.E., B.A., M.D., C.M., F.R.C.S. Can. and Eng.
McIntosh, C. A., B.A , M.D., C.M.
McNaughton, E. A., M.D., C.M., F.R.C.S.Can.
Morton, H. S., O.B.E., B.A., M.Sc. Dal., M.B. Lond., F.R.C.S. Eng. and Can., F.A.C.S.
Moseley, H. F., M.A., D.M., M.Ch. Oxon., B.A., F.R.C.S. Eng. and Can., F.A.C.S.
Petrie, J. G., M.D., C.M.
Reid, R. G., M.D., C.M.
Shannon, J. G., M.D. Tor., F.A.C.S.

Lecturers

Baxter, H. A., D.D.S., M.D., C.M., M Sc.
Butler, A. A., M.D., C.M.
Couper, W. M., B.Sc., M.D., C.M., F.R.C.S. Ed. and Can.
Dickison, J. C., M.D., C.M., F.R.C.S.Can.
Hawthorne, A. B., B.A., M.D., C.M.
Holland, G. A., B.Com., M.D., C.M., F.R.C.S.Can.
Little, G. D., M.D., C.M., F.A.C.S.
MacDonald, S. A., B.A., M.B., Ch.B. Edin., F.R.C.S.Can.
MacKenzie, D. W., Jr., M.A. Camb., D.Sc. Col., M.D., C.M., F.R.C.S.Can.
McCorriston, J. R., B.A. Sask., M.D., C.M., M.Sc., F.R.C.S. Can.
Sutton, J. C., B.A., M.D., C.M.
Vineberg, A. M., M.D., C.M., M.Sc., Ph.D., F.A.C.S.
Walker, J. A. L., B.A., M.D., C.M., F.A.C.S., F.R.C.S.Can.
Woolhouse, F. M., B.Sc. Sask., M.D., C.M., F.R.C.P.Can.
24 Demrs., 3 Teaching Fellows.

Therapeutics, v. Pharmacol. and Therap., *supra*

Urology

Hawthorne, A. B., B.A., M.D., C.M.
MacDonald, S. A., B.A., M.B., Ch.B. Edin., F.R.C.S.Can.

Music

Clarke, D., M.A., Mus.B. Camb., F.R.C.M., F.R.C.O.
Dean of Fac., Dir. of Conservatorium and Prof.
Brott, A., L.Mus. Asst. Prof.
Duchow, M., B.A. N.Y., M.A. Roch., Mus.B.
Asst. Prof.
Tupper, R. de H. Lectr.
Wilson, Octavia, Mus.B. Lectr.
30 Instrs.

School for Graduate Nurses

Chittick, Miss Rae, B.S. Col., M.A. Stan., LL.D. Alta., M.P.H. Harv.
Assoc. Prof. in, and Dir. of Sch.
Peverley, Ann, B.S. Col.
Asst. Prof.

Lecturers

Gordon, Suzanne, A.B., M.N. Yale
Holder, J. Margaret, B.N.
Horlick, Ruth L., B.A. Qu.
Logan, Elizabeth, B.Sc. Acad., M.N. Yale.
Yeats, Gertrude L., Dip. Sch. for Grad. Nurses.

Physical Education

Kirkpatrick, J. B., B.A., M.Ed. Sask., Ed.D. Col.
Dir. of School and Prof.
Obeck, V. F., B.Sc. Springfield, M.A. Col. Dir. of Athletics.
Crutchlow, E. F., O.B.E., B.A., M.D., C.M.
Consulting Physician.
Munroe, Iveagh, B.Sc., M.A. Col., Dip.M.S.P.E.
Dir. of Athletics for Women and Assoc. Prof.
Van Wagner, F. M., B.P.E. Springfield Assoc. Prof.

Assistant Professors

Bean, Gladys, M.A. Col., Dip. M.S.P.E.
Ryan, H. R., B.A. Acad., B.P.E. Springfield.
Wagner, Thelma, B.Sc., M.A. N.Y.
Wood, Winona, B A., B.Ed. Sask., M.A. Col., Dip.M.S.P.E.
Meagher, V. W., B.A., B.Sc. (P.Ed.), M.Sc. Penn. Lectr.
6 Instrs.

Physical and Occupational Therapy

Fisk, G. H., B.A., M.D., C.M., D.T.M. & H.
Dir. and Assoc. Prof.
Nicholson, Helen M. Asst. Prof.
Riddell, Sheila S. Lectr.
Ruthven, Mrs. Dawn
(Instrucn. is given by members of the Fac. of Med., Sch. for Grad. Nurses and Sch. of Physical Educn.)
3 Demrs.

Social Work

Moore, J. J. O., A.B. Missouri, M.A. Denver, Ed.D. Col.
Dir. and Prof.

Associate Professors

Marier, R., M.Sc. Soc., LL.D. Laval, M.S.S.W. C.U.A.
Younge, Eva R., B.A. Alta., M.A.
Zaloha, Anne B., Ph.B. Chic., M.A. Northwestern.

Assistant Professors

Christie, Florence McC., B.A. New Br., M.A. Chic.
Freeman, Mrs. Dorothy R., B.A., Dip.Soc.Wk.
Tuck, Helen H., B.A. Manit., M.S.W.

Lecturers

Brandtner, F.
Griffiths, Margaret, B.A. W. Ont., M.A.(S.S.W.)Chic., Dip. Soc.Wk. Tor.
Irvine, Mrs. Lucille, M.A.

Hurwitz, D. B., B.A., M.S. Western Reserve.
Smith, Joy R., B.A., M.S.W.
Stevenson, Mrs. Mary, B.A. Sask., Dip.Soc.Wk. Tor., M.S.W.
Weiss, D., B.S.S. N.Y.

ADMINISTRATIVE AND OTHER STAFF (MONTREAL)

Librarian, Osler Library: W. W. Francis, A.B., M.D. Johns H., M.D., C.M. Sec., McGill Graduates' Soc.: D. L. Gales, B.A., B.C.L. Chief Accountant: G. A. Grimson, B.Com. Purchasing Agent: W. J. Hawkins, B.Sc. Sask. Univ. Chaplain and Student Counsellor: E. C. Knowles, B.D. Tor., M.A. Dir. of Univ. Placement Service: C. M. McDougall, D.S.O., B.A. Dir. of Athletics, Phys. Educn. and Recreation: V. F. Obeck, B.S. Springfield, M.A. Col. Warden of Royal Victoria Coll.: Muriel V. Roscoe, A.M., Ph.D. Radcliffe, D.Sc. Acad., LL.D. Qu. McGill Univ. Representative in Gt. Britain: H. E. C. Rubie, B.Sc. Oxon. Sec.-Treasurer of McGill Students' Soc.: R. A. Shackell, B.Com. Asst. Univ. Librarian: Beatrice V. Simon, M.A., Dip.L.S. Dir. of Student Health Service: R. P. Vivian, M.D. Tor. Warden of Douglas Hall: W. S. Reid, Th.M. Westminster, Ph.D. Penn., M.A.

Macdonald College

Postal Address: Macdonald College, P.Q., Canada.
Telephone: Ste-Anne de Bellevue 335.

Vice-Principal and Dean of the Fac. of Agric.—W. H. Brittain, M.S. (Agr.), Ph.D. Corn., D.Sc. Br. Col., F.R.S.C. Sec. and Asst. Bursar—J. H. Holton, B.Com. Tor. Registrar—A. B. Walsh, B.Sc. (Agr.).

Agriculture

Agricultural Bacteriology

Gray, P. H. H., M.A. Oxon., D.Sc. Lond. Prof.
Wallace, R. H., B.Sc. Dal., M.Sc., Ph.D. Asst. Prof.
Clark, D. S., B.Sc. (Agr.) Lectr.

Agricultural Chemistry

Common, R. H., B.Sc., M Agr. Belf., Ph.D., D.Sc. Lond., F.R.I.C. Prof.
De Long, W. A., B.S.A. Tor., Ph.D. Minn., M.Sc. Assoc. Prof.
Baker, B. E., B.Sc. Bishop's, Ph.D. Laval Asst. Prof.
Henneberry, G. O., B.Sc. Dal., M.Sc. Lectr.
1 Instr.

Agricultural Economics

MacFarlane, D. L., B.S.A., M.Sc. Sask., Ph.D. Minn. Prof.
Lattimer, J. E., Ph.D. Wis., F.R.E.S. Emer. Prof.
Haviland, W. E., Ph.D. Harv. Assoc. Prof.

Agricultural Engineering

Banting, E. A., B.S.A. Tor. Prof.
Cooper, J. H., B.Sc. (Agr.) Assoc. Prof.
Malloch, A. C., B.Sc. Qu. Asst. Prof.

Agricultural Physics

Rowles, W., B.Sc. Sask., M.Sc., Ph.D. Prof.
Oliver, W. F., B.A. McM., M.A., Ph.D. Tor. Assoc. Prof.
Kinnear, J. K., M.A. Br. Col. Lectr.

Agronomy

Raymond, L. C., M.S. Wis., B.S.A. Prof.
Lods, E. A., D. ès S. Montr., M.S.A. Assoc. Prof.

Brawn, R. I., B.S. Penn. State Asst. Prof.
Steppler, H. A., B.S.A. Manit., M.Sc. Assoc. Prof.

Animal Husbandry

Crampton, E. W., B.S. Conn., M.S. Iowa, Ph.D. Corn., F.C.I.C., F.R.S.C. Prof.
Ness, A. R., B.S.A. Prof.
Hamilton, L. H., B.S.A. Tor., M.S. Wis. Assoc. Prof.
Moxley, J. E., B.Sc. (Agr.) Lectr.
Turgeon, J. P., B.S.A. Montr., M.Sc. Wis. Lectr.

Animal Nutrition

Crampton, E. W., B.S. Conn., M.S. Iowa, Ph.D. Corn., F.C.I.C., F.R.S.C. Prof.
Farmer, Florence A., Ph.D. Asst. Prof.
Lloyd, L., B.Sc. (Agr.), M.Sc., Ph.D. Asst. Prof.
1 Asst.

Animal Pathology

Dale, D. G., D.V.M. Tor. Asst. Prof.

English

Avison, H. R. C., M.A. Assoc. Prof.
Dubrevil, Margaret H, M.A. Aberd. Sessl. Lectr.

Entomology

Brittain, W. H., M.S. (Agr.), Ph.D. Corn., D.Sc. Br. Col., B.S.A., F.R.S.C., F.A.I. Dean and Prof.
Du Porte, E. M., B.S.A., M.Sc., Ph.D. Assoc. Prof.
Morrison, F. O., B.A., M.Sc. (Agr.) Alta., Ph.D. Assoc. Prof.
Bigelow, R. S., B.Sc. (Agr.) Asst. Prof.
Whitehead, W. E., M.Sc. Asst. Prof.

Horticulture

Murray, H. R., B.S.A. Tor., M.Sc. Corn. Assoc. Prof.
David, J., L.S.A. Montr., Ph.D. Calif. Asst. Prof.
Taper, C. D., M.Sc.Agr. Br. Col., Ph.D. Manit. Asst. Prof.
Harney, Patricia M., B.Sc. (Agr.) Lectr.

Plant Pathology

Coulson, J. G., M.A. Qu., D.Sc. Montr. Prof.
Callen, E. O., B.Sc., Ph.D. Edin., F.L.S. Asst. Prof.
Olsen, O. A., B.S.A. Sask., M.Sc. Manit. Asst. Prof.
Pelletier, R. L., Ph.D. Wis., M.Sc. Asst. Prof.
1 Asst.

Poultry Husbandry

Maw, W. A., M.S.A. Prof.
Nikolaiczuk, N., M.Sc. Alta., Ph.D. Ohio State Assoc. Prof.

Institute of Parasitology

Cameron, T. W. M., T.D., M.A., D.Sc. Edin., B.Sc. (Vet. Sci.), Ph.D. Lond., F.R.S.C. Dir. and Prof.
Fairbairn, D., B.A. Qu., Ph.D. Roch. Assoc. Prof.
Harpur, R. P, B.Sc. N.Z., M.Sc., Ph.D. Asst. Prof.
Choquette, L., D.V.M. Montr., M.Sc. Lectr.
1 Asst.

Household Science

Neilson, Helen R., M.B.E., B.H.S., M.Sc. Dir. and Assoc. Prof.
Honey, F. Isabel, M.A. Tor. (Home Econ.) Assoc. Prof.
Devereaux, Helen L., M.A. Tor. Asst. Prof.
Farmer, Florence A., B.H.S., M.Sc., Ph.D. (Nutrition) Asst. Prof.

Lecturers

Brown, Kathleen H., B.Sc. (H. Ec.).
Jenkins, Marjorie M., B.Sc. (H. Ec.), M.Sc. Alta.

McCormick, Kathleen S., B.A. Tor.
Stewart, Margaret S., B H.S.
Stickwood, Alice M., B.S., M.A. Col.
Turner-Davis, Maxine T., B.Sc. (H. Ec.).
1 Demr., 1 Asst.

School for Teachers

Munroe, D. C., M.A.
Dir. and Prof. of Educn.
Hall, C. W., M.A. Bishop's Prof.
Hanson, F. K., Mus.D. (Music) Prof.
Henry, A. M., B.A. Lond., M.A. (Educn.) Prof.
Bowers, Phyllis, B.A. Qu. Asst. Prof.
Hawkins, S. C. McL., D. de l'U. Paris, M.A. Asst. Prof.
Mahood, D. E., B.A. Manit., M.Ed. Sask., Ed.D. Col.

Lecturers

Jacques, A. Elizabeth.
Jacobs, Adele, B.Sc. (P.Ed.).
Scott, E. Hope, B.Ed. Ill., M.A. Col.
Seksmith, Frances A , B.A. Tor.
Doxsee, Rev. F. A. C., B.A. Tor. and Oxon. (Relig. Instruction) Hon. Lectr.
Kilpatrick, G. G. D., D.S.O., B.A., D.D Tor., D.C.L. Bishop's, LL.D. Mt. All. Hon. Lectr.

ADMINISTRATIVE AND OTHER STAFF (MACDONALD COLLEGE)

Physician in the Macdonald Health Service : Kelso, R. F., M.B., M.A. Qu. Asst. Supt. of Bldgs. and Grounds : Langley, J. A. Athletics Director : Meagher, J. W., B.A. Loyola, B.Sc. (P.Ed.). Lectr. in Health and Phys. Educn. : Péron, Adele P., B.Sc. (P.Ed.). Warden, Men's Residence : Ness, O. McG., B.Sc. (Agr.). Warden, Women's Residence : Strang, Marion G.

AFFILIATED INSTITUTIONS

ACADIA, ALBERTA, MT. ALLISON AND ST. FRANCIS XAVIER UNIVS. Students who have completed the 3-yr. course in Engin. of these Univs. are admitted directly to the 4th yr. in McGill Engin. courses, except in Chemical Engin., for which special arrangements are at present necessary.

NOVA SCOTIA AGRICULTURAL COLLEGE, Truro, N.S. Principal—Kenneth Cox, B.S.A. Tor., M.S.A. McG. Students who have completed the 2-yr. course of study are admitted to the 3rd yr. in the Faculty of Agriculture at Macdonald College.

PRINCE OF WALES COLLEGE, Charlottetown, P.E.I. : Principal—F. MacKinnon, M.A. ; and MEMORIAL UNIVERSITY OF NEWFOUNDLAND, St. John's, Newfoundland : President—Raymond Gushue, C.B.E., Q.C., LL.B., D.Cn.L. K.C.N.S. Students who have completed the 2-yr. course of study are admitted to the 3rd yr. in some of the undergraduate faculties.

AFFILIATED THEOLOGICAL COLLEGES

DIOCESAN COLLEGE OF MONTREAL, 3473 University Street, Montreal, P.Q. (*Telephone* : Marquette 3004.) Principal—Rev. Robert H. L. Slater, M.A. Camb., Ph.D. Col.

PRESBYTERIAN COLLEGE, 3485 McTavish Street, Montreal, P.Q. (*Telephone* : Plateau 5754.) Principal—Rev. Robert Lennox, M.A., Th.B., D.D.

UNITED THEOLOGICAL COLLEGE, 3508 University Street, Montreal, P.Q. (*Telephone*: Belair 0752.) Principal—Rev. George G. D. Kilpatrick, D.S.O., B.A., D.D. Tor., D.C.L. Bishop's, LL.D. Mt. All.

GENERAL INFORMATION

McGill University, establd. by Royal Charter in 1821, is privately endowed, the trustees of its funds being the Board of Governors who constitute "The Royal Institution for the Advancement of Learning". The academic admin. of the Univ. is vested by its statutes in the Senate and the nine Facs. The various Schools are, for admin. purposes, attached to appropriate Facs. The Univ. is undenominational and has for many years been co-educational in all its Facs. and most of its Schs.

Macdonald Coll., a residential coll. at Ste. Anne de Bellevue, 25 miles from Montreal, is an integral part of McGill Univ. It houses the Fac. of Agriculture the Sch. of Household Sci., the Sch. for Teachers, the Adult Educn. Centre and the Inst. of Parasitology.

INCOME. Annual income of Univ. from investments: approx. $1,650,000.

EQUIPMENT. *Libraries*: General, 672,000 vols. (incl. Macdonald Agric. Coll. library); Medical, 79,260 vols. Special collections: Blackader Library of Archit.; Blacker Library of Zool.; Lyman Collection of Entomol.; Osler Library of the Hist. of Medicine and Science (12,440 vols.); Redpath Pamphlet Collection; and Wood Library of Ornithol. *Laboratories*: Anat., Bact., Genetics, Geol., Chemistry, Physics, Zool., Bot., Physiol., Biochem., Pharmacol., Neurol., Engin., Electronics, Psychol. and Psychiatric Research, Medical Research, Pulp and Paper Research, Agric. Research, Radiation (with cyclotron), Biophysics, Health and Social Medicine. *Research Institutes*: Biophysics, Parasitology, Psychiatry, Indust. Relns., Int. Air Law, Neurological, Arctic, Personnel Appraisal, Islamic Studies, Pathological. *Farm*, Livestock and Grain, 876 acres. *Museums*: Redpath (Bot., Geol., Zool., Entomol.), Medical, Library, McCord (Canadiana). *Hospls.* available for clinics, 2000 beds in affiliated hospitals.

FACULTIES AND DEANS, *see* p. 774.

SCHOOLS AND DIRECTORS. *Archit.*—J. Bland; *Commerce*—E. W. Kierans; *Household Science*—Helen Neilson; *Library Science*—Miss Vernon Ross; *Nursing*—Miss Rae Chittick; *Physical Education*—J. B. Kirkpatrick; *Physiotherapy*—G. H. Fisk; *Social Work*—J. J. O. Moore; *Teachers*—D. C. Munroe.

ADMISSION. The matriculation examns. of the Canadian provinces and the British General Certificate of Education with passes in five subjects, including certain required papers, qualify in general for admission to the first year of Arts and Science, Engineering and some other faculties. Additional Univ. work is required for other faculties, *e.g.* Dentistry, 2 years. Medicine normally, and Social Work and Library School always, require a Bachelor's degree. For full details, *see* the General Announcement and the separate announcements of the faculties and schools concerned. Enquiries should be addressed to the Registrar. *See also* Appendix I.

DEGREE COURSES. Mus.B., 3 yrs.; B.A., B.Com., B.Sc., B.Sc. (Agr.), B.Sc. (H.Ec.), B.Sc. (Phys.Ed.), B.Ed., 4 yrs.; B.Eng., B.Sc. (P.O.T.), 5 yrs.; B.Arch., D.D.S., 6 yrs.; B.L.S. (Library Science), 1 yr. postgraduate; B.D.,

3 yrs. postgraduate ; M.D., C.M., 4 yrs. postgraduate ; B.C.L., 4 yrs. after B.A. ; B.N. (Nursing), 3 yrs. ; M.S.W., 2 yrs. postgraduate.

HIGHER DEGREES. M.A., M.Com., M.C.L., M.Sc., M.Eng., LL.M., M.Arch., M.S.W., M.Sc. (Appl.), S.T.M. (Theol.)—1-yr. resident graduate study, thesis and examn. ; Ph.D., D.Sc. (Appl.)—3 yrs.' graduate study ; D.C.L. —by valuable contribution to legal science ; Mus.D.—by a composition and examn. not less than 7 yrs. after taking the Mus.B.

DIPLOMAS. Graduate Nurse's, 1 yr. ; L.Mus., 3 yrs. ; Phys. and Occupational Therapy, 3 yrs. Postgraduate—D.P.H., D.T.M., 1 yr., and Teacher's (awarded by Province of Quebec), 1 yr. Postgraduate Diplomas are also awarded in the Fac. of Med. in the following clinical specialties : Anæsthesia, Dermatol. and Syphilol., Internal Med., Neurol. and Neurosurg., Obstetrics and Gynæcol., Ophthalmol., Otolaryngol., Pædiatrics, Psychiatry, Radiol., Surg. and Urol. These courses are open to approved medical graduates, and cover at least 3 yrs. of study.

DIPLOMA COURSE IN AGRICULTURE. The Diploma Course in the Faculty of Agriculture consists of two sessions of five mos. each (Nov. to March inclusive). Closely connected with this course is the " Old Country boy " project, under which boys from the British Isles are encouraged to take up the diploma course at Macdonald College so as to fit them for the work of farming, and every effort is made to give them both the theoretical and the practical education that is needed.

ATTENDANCE at lectures at the Univ. is indispensable for a degree or diploma, except in Music.

SUMMER SCHOOL. In French.

FEES (1953–54). Yearly tuition : Arts, $350 ; Sci., $375 ; Engin., $450 ; Archit., $450 ; Med., $575 ; Dent., $475 ; Law, $375 ; Divinity, $300 ; Music, $350 ; Library School, $390 ; Comm., $375 ; Phys. Educn., $375 ; Social Work, $375 ; Sch. for Grad. Nurses (Dipl. course), $300 ; (Degree course), $350 ; Phys. and Occupational Therapy, $375 ; Grad. Fac. yearly tuition fees : Full-time required study in residence, $300 ; resident study beyond minimum period, $25 ; non-resident registration, $10 ; for D.C.L. and Mus.D. only, combined registration and graduation fee, $200.

FELLOWSHIPS, SCHOLARSHIPS AND BURSARIES. There are a number of scholps. and bursaries tenable in the undergraduate faculties and a number of fellowships and assistantships in the graduate faculty. There are also loan funds available to students in upper years. Details of all these are given in the Scholps. Announcement which the Registrar's Office will be glad to send to enquirers.

RESIDENCE. I. In Montreal. Women : Royal Vic. Coll., 555 Sherbrooke St. West, Montreal, P.Q. (*Telephone* : MA 9181) (301 students)—Warden : Dr. Muriel V. Roscoe, $660-$685 p.a. ; McLennan Hall, 3480 Ontario Avenue, Montreal, P.Q. (*Telephone* : HA 4988) (28 students), $350-$535 p.a. Men : Douglas Hall, 3851 University Street, Montreal P.Q. (*Telephone* : MA 9181) (147 students)—Warden : Dr. W. Stanford Reid, $610-$750 p.a., depending on course ; Wilson Hall (71 students), $580-$650 p.a., depending on course. II. In Ste-Anne de Bellevue, Macdonald Coll., almost completely residential, with special quarters for married ex-Service students.

STUDENT HEALTH. An annual med. examn. is required of every student. The Univ. provides regular consulting service for all students and full medical

and nursing services for men and women in residences. It also makes some contribution towards necessary hospital expenses.

ATHLETICS. Opportunities are provided for taking part in the following sports: *For men*: Canadian and English Rugby football, Association football, Ice-Hockey, Basket-ball, Track, Swimming, Gymnastics, Boxing, Wrestling, Fencing, Skiing, Tennis. *For women*: Gymnastics, Dancing, Badminton, Swimming, Volley-ball, Basket-ball, Tennis, Archery, Golf, Skiing, Skating.

MILITARY TRAINING. Univ. contingents prepare students for commissions in Canadian Army (Reserve), Canadian Navy (Reserve) and Canadian Air Force (Reserve).

EXTENSION WORK. Extension courses in approx. 75 subjects are given in the afternoon and evenings for residents of Montreal and vicinity. Some prepare students for special examns., such as are required by the various Accountancy Associations (leading to diplomas of C.A., C.P.A., etc.), and the Inter. and Final examns. of the Chartered Inst. of Secretaries: a few may be counted for the degree of M.Eng. Rural extension work is carried on through Macdonald College.

REPRESENTATIVE IN GREAT BRITAIN. H. E. C. Rubie, B.Sc. Oxon., c/o The Canadian-British Education Committee, 62 Trafalgar Square, London, W.C.2, England. *Telephone*: Whitehall 5100.

PUBLICATIONS. (Free): *Calendar* (Oct.); *General Announcement* (for intending students) (May); *Faculty and School Announcements* (May to Aug.); *Directory of Staff* (Feb.); *Annual Report* (Dec.); *McGill News*, quarterly, by Graduates' Soc.; *McGill Daily*, by students. *McGill and its Story, 1821–1921*, by Cyrus Macmillan (London, John Lane; Toronto, Oxford Univ. Press, $3); *A Historical Sketch of the Medical Faculty and of the Origin of McGill University*, by Dr. Maude Abbott, reprinted from Montreal Medical Journal, 1902; *Oldest McGill*, by E. A. Collard (Macmillan, $2); *McGill University at War, 1914–18, 1939–45*, by R. C. Featherstonhaugh (McGill University, 1947, $3).

THE YEAR 1952–53

BENEFACTIONS. $6,111,327.

NEW BUILDINGS. Extensions to Neurol. Inst. and Univ. Library completed.

RETIREMENTS. Prof. E. R. Addir (Hist.), Prof. E. S. Le Mesurier (Law).

RESIGNATIONS. Assoc. Prof. P. Hold (Mech. Engin.), Assoc. Prof. M. J. Miller (Parasitol.), Prof. P. C. Nardin (Fr.), Assoc. Prof. J. P. Ogilvie (Metall. Eng.), Assoc. Prof. A. F. Schuren (Nutrition), Prof. W. L. G. Williams (Maths.).

DEATHS. G. J. Dodd (retd. Prof. of Civ. Engin.), A. H. Gordon (retd. Prof. of Med.), D. W. Mackenzie (retd. Prof. of Urol.), J. A. MacMillan (retd. Prof. of Otolar.), C. J. MacMillan (retd. Prof. of Engl.), J. F. Snell (retd. Emer. Prof. of Agr. Chem.), O. S. Tyndale (retd. Chancellor and Prof. of Law).

HONORARY DEGREES. *M.A.*—M. Wade. *D.Sc.*—M. H. McCrady, W. R. Hess, E. Lundsgaard, H. Dale. *LL.D.*—B. C. Gardner, E. H. Falconer, E. W. R. Steacie, R. J. Bunche. *D.Litt.*—S. Radhakrishnan. *D.C.L.*—A. Taschereau.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	4522	201
Women	1579	248
Total	6101	449

DEGREES. B.Sc. (Agric.), 57; B.Arch., 23; B.A., 234; M.A., 20; B.Com., 104; D.D.S., 35; B.D., 11; S.T.M., 1; B.Eng., 80; M.Eng., 12; B.F.A., 9; B.Sc. (H.Ec.), 35; B.C.L., 45; M.C.L., 4; LL.M., 7; B.L.S., 29; M.D., C.M., 115; B.N., 10; B.Sc. (P.Ed.), 19; B.Sc., 151; M.Sc., 62; B.S.W., 26; M.S.W., 18; Ph.D., 73; M.Ps.Sc., 4.

DIPLOMAS. Grad. Nurses, 39; Music (L.Mus.), 7; Grad. Dip. in Med., 26; Physical and Occupational Therapy, 16.

MACDONALD COLLEGE DIPLOMAS. Agric., 17; Handicrafts, 6; Homemakers, 16.

[*Information compiled as at June* 1954.]

McMASTER UNIVERSITY*

Founded 1887

Postal Address: Hamilton, Ontario, Canada.
Telephone: Ja 9-7102.

CHANCELLOR—E. C. FOX, B.A., LL.D.

CHAIRMAN OF THE BOARD OF GOVERNORS—Hon. Mr. JUSTICE R. L. KELLOCK, Q.C., B.A., LL.D.

PRESIDENT AND VICE-CHANCELLOR—GEORGE PEEL GILMOUR, M.A. Yale, D.D. Vic. Tor., St. And., D.C.L. Acad., LL.D. Qu., Laval, B.A., B.D.

PRINCIPAL, HAMILTON COLLEGE—H. G. THODE, M.B E., M Sc. Sask. Ph.D. Chic., F.R.S., F.R.S C , F C.I.C

DIRECTOR OF EXTENSION AND SUMMER SESSION—C. H. STEARN, M.A. Camb., B.D. Lond., Ph.D. Tor.

DEANS—*Arts and Science*—Professor H. S. ARMSTRONG, M.A. Tor., Ph.D. Chic.; *Assoc. Dean of Arts and Science*—Professor A. W. PATRICK, M.A. Manit., D. de l'U. Paris; *School of Divinity*—Professor N. H. PARKER, B.S. Mississippi, Th D. South. Bap. Th. Sem , D.D. Acad.

REGISTRAR—CHARLES W. H LINTON, B.A

BURSAR AND SECRETARY TO THE BOARD OF GOVERNORS—W. N. PATERSON, B A.

LIBRARIAN—MARGET H. C. MEIKLEHAM, M.A.L.S. Mich., B.A.

TEACHING STAFF

UNIVERSITY COLLEGE

Classics

Stearn, C. H., M.A. Camb., B.D. Lond., Ph.D. Tor. Prof.
Shepherd, D. M., M.A. Qu., Ph.D. Chic. Assoc. Prof.
Thomson, Margaret H., M.A. Tor. Asst. Prof.

English

Haddow, G. C., M.A. Oxon. and Tor. Prof.
Wiles, R. M., B.A. Dal., M.A., Ph.D. Harv. Prof.
Groom, B., M.A. Lond. and Oxon. Assoc. Prof.
Martin, E. Mary F., B.A. Alta., M.A. Lond. Asst. Prof.
Murphy, Mrs. Dorothy S., M.B.E., M.A. Oxon. and Tor. Asst. Prof.

Fine Arts

Jackson, Naomi, M.A. McG., A.M., Ph.D. Radcliffe Asst. Prof.
Proctor, G. A., B.A. Dir. of Music, 1954–55.

* Member of the Association of Universities of the British Commonwealth.

French, v. Romance Languages

German

Martin, A. P., A.B. Brown, M.A., Ph.D. Wis. Prof.
Denner, K., M.A. Kentucky, Ph.D. Johns H. Asst. Prof.
Heimrich, C. W., B.A. Tor., M.A. Ill. Sessl. Lectr.

History

New, C. W., B.A. Tor., Ph.D. Chic., B.D., F.R.Hist.S., F.R.S.C. Emer. Prof.
Macdonald, N., B.A. Qu., A.M. Harv., Ph.D. Edin., F.R.Hist.S. Emer. Prof.
Salmon, E. T., B.A. Syd., M.A., Ph.D. Camb., F.R.S.C. Messecar Prof.
McCready, H. W., M.A. Tor., Ph.D. Harv. Assoc. Prof.
French, G. S., M.A. Tor. Asst. Prof.
Kilbourn, W. M., B.A. Tor. and Oxon., A.M. Harv. Sessl. Lectr.
Johnston, C. M., M.A., Ph.D. Penn., B.A. Sessl. Lectr.

Philosophy, Psychology and Ethics

Waters, F. W., Ph.D. Yale, B.A., B.D. Prof.
Dulmage, H. A., Ph.D. Chic., B.A., B.D. Assoc. Prof.
Nicholson, R. H., M.A. Tor. (Psychol.) Asst. Prof.

Political Economy

Michell, H., B.A. Oxon., M.A. Manit., F.R.S.C. Emer. Prof.
Graham, J. E. L., M.A., B.Litt. Oxon., B.A. Tor. Prof.
MacGibbon, D. A., Ph.D. Chic., M.A., LL.D., F.R.S.C. Prof.
McIvor, R. C., B.A. W. Ont., M.A., Ph.D. Chic. Prof.
Thompson, R. W., B.A. Tor., M.A. Qu. Asst. Prof.
Potter, C. C., B.Sc. (Com.) Sir G. Wms., M.Com. (Econ.), Ph.D. McG. (Comm.) Asst. Prof.
Soule, H., B.A. Sp. Lectr.
Dixon, H. C., B.Com. Tor. Sp. Lectr.
Hunter, W. D. G., B.A. Oxon., M.A. Edin. Asst. Prof.
Novak, D., B.A. Tor. Lectr.

Romance Languages

Patrick, A. W., M.A. Manit., D. de l'U. Paris Prof., Assoc. Dean Arts and Sci.
Freeman, H. A., B.A. Sask., M.A. Tor. (French) Prof.

Assistant Professors

Stock, Marie, B.A. Qu., M.A. McG. (French)
Hampel, L. E., M.A. Tor. (Span.)
Peterson, H., M.A. Tor. (Span.) Sessl. Lectr.

Spanish, v. Romance Languages

Hamilton College

Botany and Conservation

Radforth, N. W., M.A. Tor., Ph.D. Glas. Prof.
Miller, J. J., B.A., Ph.D. Tor. Assoc. Prof.
MacClement, W. D., B.A. Qu., Ph.D. Camb. Assoc. Prof.
Laking, L., B.S.A. Tor. Sp. Lectr.

Chemistry

Thode, H. G., M.B.E., M.Sc. Sask., Ph.D. Chic., F.R.S., F.R.S.C., F.C.I.C. Prof., Principal of Hamilton College.

Cragg, L. H., M.A., Ph.D. Tor., F.C.I.C. Prof.
Graham, R. P., M.A. Qu., Ph.D. Col., F.C.I.C. Prof.
Bourns, A. N., B.Sc. Acad., Ph.D. McG. Prof.
Hutcheon, A. T., M.A. Sask., Ph.D. McG. Asst. Prof.
Kirkwood, S., B.Sc. Alta., M.S., Ph.D. Wis. (Biochem.) Assoc. Prof.
Tomlinson, R. H., B.Sc. Bishop's, Ph.D. McG. Asst. Prof.
Rooney, C. E. S., M.A. Sask., Ph.D. McG.
Post-Doctorate Fellow in Chem., Nat. Res. Council of Can.

Geography and Anthropology

Reeds, L. G., M.A. Tor. Asst. Prof.
Parker, W. H., M.A., B.Sc. Oxon. Asst. Prof.
Wood, H. A., M.A. Lectr.
Thompson, H. R, B.Sc. Oxon., M.Sc. Ill. Sessl. Lectr.

Geology

Armstrong, H. S., M.A. Tor., Ph.D. Chic.
Prof., Dean Arts and Sci.
Sujkowski, Z. L., B.Sc., Ph.D., D.Sc. Warsaw Assoc. Prof.
Shaw, D. M., M.A. Camb., Ph.D. Chic., F.G.S. Asst. Prof.
Best, R. V., M.A.Sc. Br. Col. Sessl. Lectr.
Jones, R. E., B.Sc., M.A. Qu. Sessl. Lectr.

Mathematics

Johns, A. E., M.A., Ph.D. Tor. Prof.
Bankier, J. D., M.A. Qu., Ph.D. Rice Prof.
Sumner, D. B., M.A., D.Phil. Rand, M.Sc. Camb. Prof.
Britton, F. R., B.Sc. Wales, Ph.D. Tor., M.A. Asst. Prof.
Lane, N. D., B.A. Qu., M.A., Ph.D. Tor. Asst. Prof.
McCallion, W. J., M A. Asst. Prof.

Nursing Education

Reid, Alma E., B.A. Tor.
Asst. Prof., Dir. of N. Educn.
Alderson, Henrietta J., M.Sc. Col. Lectr.
Greenaway, Florence I., B.N. McG. Lectr.
Riddell, Frances, M.S. Boston, B.A. Instr.

Physics

McLay, A. B., M.A., Ph.D. Tor., B.A., F.R.S.C. Prof.
Duckworth, H. E., B.A., B.Sc. Manit., Ph.D. Chic., F.R.S.C. Prof.
Johns, M. W., Ph.D. Tor., M.A. Prof.
Gulbis, F., M.Sc. Petrograd and Riga Assoc. Prof.
Preston, M. A., M.A. Tor., Ph.D. Birm. Assoc. Prof.
Petch, H. E., Ph.D. Br. Col., M.Sc. Asst. Prof.
Dewdney, J. W., M.Sc. McG., B.A. Sp. Lectr.

Zoology

Kleerekoper, H., Grad. Agric. Sch. of Neths., M.A., Ph.D. Mich. Prof.
Davies, D. M., B.A., Ph.D. Tor. Asst. Prof.
Delzell, D. E., B.Sc. Toledo, M.Sc. Mich. Asst. Prof.

School of Divinity

Church History

Albaugh, G. P., A.B. Ohio State, B.D. Colg.-Roch.
Assoc. Prof.

Hebrew and Old Testament Interpretation

Parker, N. H., B.S. Mississippi, Th.D. South Bap. Th. Sem., D.D. Acad.
Prof., Dean Divinity Sch.

Homiletics and Pastoral Theology

Clifford, P. R., M.A. Oxon.
Asst. Prof.

Leadership Training

Tupper, Lois A., B.A., B.Ed. Sask., M.A. Col.
Asst. Prof. of Religious Educn., Dir. Leadership Trng. Sch.

Bates, Mrs. Marion, B.A.
Sp. Lectr. in Practical Nursing, Dean of Women.

Missions and Religious Education

Kitchen, L. C., Ph.D. Hartfd., M.A.
Assoc. Prof., Dir. of Field Work for Divinity Students.

New Testament Interpretation

Lang, H. W., S.T.M. Union, M.A., B.D.
Prof.

Speech and Music

Poynter, A. R., B.A , B.D.
Pt.-time Lectr. (1954–55).

Theology

Stewart, H. S., A.B. Harv. and Roch., D.D. Roch., B.D. Roch. Theol. Sem.
Emer. Dean of Theol.

Aldwinckle, R. F., B.A. Lond., M.A. Oxon., D.Th. Stras.
Assoc. Prof.

Harrop, G. G., Ph.D. Chic., B.A., B.D. (Bibl. Studies)
Asst. Prof.

ADMINISTRATIVE AND OTHER STAFF

Dir. of Placement and Guidance: J. E. Andoff, B.A. Dean of Women: Mrs. Edgar Bates, B.A. Dir. of Nursing Educn.: Alma E. Reid, B.A. Tor. Dir. of Women's Leadership Training Sch.: Lois A. Tupper, B.A., B.Ed. Sask., M.A. Col. Asst. to Principal and Sec. to Bd. of Governors of Hamilton Coll.: D. M. Hedden, B.Sc. Asst. Dir. of Univ. Extension and Summer Session: W. J. McCallion, M.A. Asst. Librarian: Dorothy Davidson, B.A.L.S. Tor., M.A. Accountant: C. H. M. Vinnels. Supt. of Bldgs. and Grounds: E. T. Clarke. Dir. of Alumni Relations: D. W. Allaby, B.A. Asst. Registrar: A. S. Barley, B.A.

Athletics and Physical Education. Dir., I. Wynne, M.S. (Ed.) Syracuse, B.A. Asst. Dirs.: L. A. Prince; A. J. Smith, B.S.A. Tor.; Anne D. Tilley, Instr.

University Naval Training Division. Cmdr. A. B. McLay, Cmdg. Officer; Lt. J. M. Pennock, Staff Officer; G. G. Harrop, Chaplain.

Canadian Officers' Training Corps. Capt. L. E. Hampel, Officer Cmdg.; Maj. C. T. Cuthbertson, Resident Staff Officer; Lt. G. V. Kimball, Contingent Officer.

University Air Squadron, Primary Reserve. Sqn. Leader W. D. MacClement, Cmdg. Officer.

GENERAL INFORMATION

McMaster University, named after Senator William McMaster (1811–87), whose will provided its original endowment, operates under the terms of an Act of Incorporation granted by the Legislative Assembly of Ontario in 1887 and revised in 1949. The University corporation consists of the Board of Governors, sixteen of its eighteen members being elected by the Baptist Convention of Ontario and Quebec. Academic work is directed by a Senate composed of the members of the Board of Governors and representatives of the faculty and the graduates. There are no religious tests for students, but persons holding regular teaching appointments under the Board of Governors must be members of an evangelical church. This does not apply to members appointed to the Hamilton College staff.

Historically, the University is the outgrowth of educational work begun in Canada Baptist College, Montreal (1838–49). But the educational programme, of which the Univ. is the continuing result, dates from 1857, when the Canadian Literary Institute was founded in Woodstock. The theological part of the work of this co-educational school was transferred in 1881 to Toronto, where a building had been erected for it by Senator McMaster. It took the name Toronto Baptist College. The Institute then became Woodstock College, which continued as a preparatory school for boys until it closed in 1926. The two colleges formed the nucleus of McMaster Univ. when it was incorporated in 1887.

Changed educational conditions led in 1927 to the decision of the board of Governors to move the Univ. to Hamilton, which decision was approved by the Convention, the removal being completed in 1930, the forty-first academic session opening on the new site.

In Jan. 1948, an important reorganization of the Univ. for purposes of administration and finance was carried through. Students and academic depts. were divided into three colleges: The Divinity School, a College of Theology operated mainly on a postgraduate basis; University College, the Arts College of the Univ., in which all Junior Division students are registered; and Hamilton College, which maintains under its own Board of Governors the depts. of Physics, Chem., Mathematics, Geog., Geol., Bot., Zool. and Nursing Education. Hamilton College is an affiliated college of the Univ., legally and financially independent, but under the academic control of the Univ.'s Senate.

INCOME (July 1952–June 1953). Total income, $1,295,164. (Endowment, $99,652; Grants—Govt., $531,405; Other, $59,689; Fees, $288,757; Sundries, $35,116; Ancillary enterprises, $280,545.

FACULTIES AND DEANS, *see* p. 798.

LIBRARY, 83,800 vols. The Mills Memorial Library, occupied in 1951, is the gift of the Mills Foundation of Montclair, New Jersey. Four floors provide for a capacity of over 120,000 vols., as well as the Reference Reading Room, Bibliography Room, and the Fine Arts collection of books, slides, prints, etc. Two important special collections are maintained by the Library: the Music Collection, established through the generosity of the Carnegie Corporation, contains over 2000 recordings, and a small library of music scores and books on music and musicians; the Baptist Historical Collection of books, documents and Association Minutes, forms a valuable record of Canadian Baptist history, past and present. Library also maintains a Science Library in Phys. Sci. Bldg.

UNIVERSITY ENTRANCE REQUIREMENTS. *To Preliminary Year*: Ontario Secondary Sch. Dipl. in the general 4-yr. course, with 3 options including a

foreign lang. Jr. Matriculation or equivalent standing from other provinces or countries accepted (60 per cent. average required). *To Year I of Arts and Science*: Ontario Secondary Sch. Honour Graduation Dipl. (Grade XIII) in 5 subjects, with at least 8 papers for Arts or Nursing, and 9 papers for Sci., including subjects proper for the desired course. A foreign lang. required for all courses.

G.C.E. (Oxon. and Camb.): Admission to Year I upon presentation of G.C.E. in 5 or 6 subjects, 2 of which must be at Advanced level, and conforming to subjects pre-requisite for course chosen. Admission to Preliminary Year on satisfactory completion of G.C.E. at lower levels or the equivalent to Ontario Grade XII or Junior Matriculation.

Certif. of High Sch. Graduation recognized by Coll. Entrance Bd. of U.S.A. accepted for admission to Preliminary Year.

Special Admission Regulations: Students whose matriculation credits do not fit exactly into the above requirements may communicate with the Registrar for a special ruling on their qualifications. *See also* Appendix I.

DEGREE COURSES. 3-yr. pass course for B.A., 4-yr. general for B.A., 4-yr. honour for B.A., 4-yr. honour for B.Sc., 5-yr. course for B.Sc.N., 4-yr. honour for B.Com.

HIGHER DEGREES. M.A., 1 yr. minimum after B.A.; M.Sc., 1 yr. min. after B.Sc.; B.D., 3-yr. course after B.A.; Ph.D., 3 yr. min. after B.Sc. in Chem., Bot., Phys. and Zool. only; B.P.E., 1 yr. min. after B.A., B.Sc. or B.Com.

HONORARY DEGREES. LL.D., D.Litt., D.Sc., D.D.

DIPLOMA. Vocational Guidance, given in Extension Dept. and summer school.

CERTIFICATES. Divinity School, 3 yrs.' course (1 yr. Arts and 2 yrs. Theology). Women's Leadership Training School in the Divinity School, 2 yrs. selected Arts and Theology, preparatory to missionary and other religious work.

PHYSICAL TRAINING. Two hours a week of physical training are compulsory for all students in each yr. from entrance to the end of the Junior Division.

MILITARY TRAINING. The Univ. Naval Trng. Division offers a programme for training of potential Officers in the R.C.N. and the R.C.N. (R.). The trainee enters in Oct. as Probationary Cadet and is confirmed as Cadet on passing Naval Selection Bd. in Jan. of first yr. After satisfactory completion of the 3-yr. U.N.T.D. trg. course a Cadet is promoted to Actg. Sub-Lt. R.C.N.R. (R.) in Oct. and is confirmed in rank immediately if he graduated in May of that yr. or at time of subsequent graduation. The Univ. Contingent Canadian Officers' Training Corps qualifies selected Univ. undergraduates for a commission, on graduation, in the Canadian Army. Membership in the Univ. Air Squadron, Primary Reserve, is open to all students who have enrolled in the Univ. Reserve Trg. Plan or the Regular Officers Trg. Plan, R.C.A.F. These programmes of trg. provide a flow of qualified Univ. graduates into the commissioned ranks of the R.C.A.F. (Regular) and (Reserves).

FEES. Annual, Arts and Sci., $305 to $332; Theol., $87.50. These fees cover tuition, lab., registration, library, examns., athletics, medical services, student organizations and accident insurance.

RESIDENCE. For men: Edwards Hall (*Telephones*: Centre House, Ja. 2-0884, North House, Ja. 2-0841, South House, Ja. 7-0671), has accomm.

for about 100 students. For women : Wallingford Hall (*Telephone* : Ja. 2-6819), West Wallingford (*Telephone* : Ja. 7-5391), and the Eleanor McKay House, Dundas (*Telephone* : Dundas 829), accommodating in all 135 students. Rates, M. $471, W. $488.

DEPARTMENT OF UNIVERSITY EXTENSION. This dept. offers (1) courses carrying academic credit towards pass B.A., (*a*) in evening courses during winter session, (*b*) at annual Summer Sch., (*c*) at special outside centres, (*d*) by extra-mural study ; (2) accounting courses leading to Registered Industrial Accountant qualification, (*a*) by evening courses, (*b*) at outside centres, (*c*) by correspondence ; (3) a wide range of non-credit courses, cultural and industrial.

The Dept. provides a Lecture Service operated in the interests of groups desiring speakers from among the faculty. The *University Extension Calendar*, containing detailed information concerning both the Winter Evening Classes and the Summer School, is published annually in the month of March.

PLACEMENT AND GUIDANCE SERVICE. Assists the student to solve his own educnal., vocational and personal problems, and to find part-time summer and full-time employment in accordance with his interests, needs and qualifications.

GRADUATES ASSOCIATIONS. The Univ. has local alumni branches in various cities in Canada and U.S., run by volunteer officers who depend on the Director of Alumni Activities at the Univ. for guidance and programmes.

UNIVERSITY STUDENT HEALTH SERVICE. Each new student given complete physical examn. on entrance, warned of special precautions which should be taken to guard against sickness, and advised as to his ability to take part in athletics, etc. Throughout the session the Univ. doctor holds daily office hours, when any students may consult him. Graduate nurses are on duty throughout the academic yr. The Univ. maintains 2 infirmaries, one for men and one for women. Cases requiring hospitalization are cared for in the infirmaries up to 3 days free. After that, an infirmary charge is made.

ATHLETICS. Opportunities for rugby, soccer, tennis, track, harrier, golf, basketball, swimming, skiing, hockey, badminton, fencing.

PUBLICATIONS. The *Report* of the Board of Governors and the Senate of McMaster Univ. to the Baptist Convention of Ontario and Quebec (published in the *Year Book* of the Baptist Convention of Ontario and Quebec) ; *Calendars* ; *Bulletins* of the Dept. of Univ. Extension ; *McMaster Alumni News*. *Undergraduate* : *The Muse* (pub. quarterly) ; the *Silhouette* (pub. weekly) ; the *Marmor* (pub. annually) ; *A Handbook and Directory* (pub. in Oct.).

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. Carnegie Corporation, $22,000, for Psychol. and Sociol. (payable over 5 yrs.), $6300 of which was received in 1952–53 ; Atkinson Charitable Foundation, $2750 ($2000 for bursaries, $750 to subsidize a summer course in clin. trg. for ministers) ; J. P. Bickell Foundation Bursary, $3210 ; Alumni Living Endowment, $15,121. These benefactions do not include building fund receipts.

RESIGNATIONS. None.

RETIREMENTS. None.

DEATHS. W. H. Cooper (first Chairman of Bd. of Hamilton Coll., 1948 to 1952) ; J. B. McArthur (member of Bd. of Governors of Univ. since 1931) ; H. F. Dawes (Emer. Prof. of Phys.) ; W. Findlay (Emer. Prof. of Maths.).

HONORARY DEGREES CONFERRED. *D.D.*—Rev. E. Davies, minister of Yorkminster Baptist Church, Tor.; Rev. P. A. MacDiarmid, formerly of American Baptist Mission, Belgian Congo; Rev. T. B. McDormand, Gen. Sec., Baptist Convention of Ontario and Quebec. *LL.D.*—Rev. R. Armitage, Principal of Wycliffe Coll., Tor.; the Hon. L. O. Breithaupt, Lt.-Governor of Ontario; J. G. Diefenbaker, M.P.; the Hon. W. R. Macdonald, Brantford, Speaker of House of Commons, Ottawa; G. E. Price, Principal, St. Catharine's Collegiate and Vocational Inst. *D.Litt.*—W. Kirkconnell, Pres. of Acadia Univ.

STUDENT NUMBERS.

	Full-Time	**Part-Time*
Men	736	397
Women	270	333
Total	1,006	730

Graduate students, 95 (84 men, 11 women).

New admissions, 386.

Students attending non-credit classes, 1504 (1153 men, 351 women).

Students from other countries, 34. (Countries from which largest numbers came: U.S.A., 8; England, 6; Bermuda, 3; British W. Indies, 3.)

DEGREES AWARDED. B.D., 7; M.A., 3; M.Sc., 21; B.Sc. N., 3; B.A. (4-yr. courses), 41; B.Sc., 23; B.A. (3-yr. courses), 124.

DIPLOMAS AND CERTIFICATES. Cert. in Theol., 1; Cert. of Women's Leadership Trg. Sch., 6; Vocational Guidance Dipl., 1.

* Most of these part-time students are teachers taking Extension and Summer School courses.

[*Information compiled as at* 20/7/54.]

THE UNIVERSITY OF MANITOBA*

Founded 1877

Postal Address: Winnipeg, Manitoba, Canada.
Telegrams and Cables: University of Manitoba, Canada.
Telephone: Winnipeg 449-110.

CHAIRMAN OF THE BOARD OF GOVERNORS—PAUL G. DU VAL, Q.C., B.A., LL.B.

CHANCELLOR—VICTOR SIFTON, C.B.E., D.S.O., LL.D.

VICE-CHANCELLOR AND PRESIDENT—H. H. SAUNDERSON, B.A., M.Sc., Ph.D., F.C.I.C.

REGISTRAR—DOUGLAS CHEVRIER, B.A.

ASSISTANT REGISTRAR—ROBERT C. ARMATAGE, B.A.

DEANS—*Agriculture*—J. R. WEIR, B.S.A. Tor., M.Sc. Alta., Ph.D. Minn.; *Arts and Science*—W. J. WAINES, M.A.; *Education*—N. V. SCARFE, M.A. Lond.; *Engineering and Architecture*—A. E. MACDONALD, M Sc. (C.E.) McG., F.C.I.C.; *Graduate Studies and Research*—W. H. McEWEN, M.Sc. Sask., M.A., Ph D. Minn.; *Law*—G. P. R. TALLIN, Q.C., B.A. Oxon., LL B., *Medicine*—L. G. BELL, M.D, F.R.C.P.Can.

COMPTROLLER—W. J. CONDO, B.A.

LIBRARIAN—ELIZABETH DAFOE, B.A.

DEAN OF WOMEN—MARJORIE MACKAY, B.A.

TEACHING STAFF

Actuarial Mathematics and Statistics

Ritcey, L. F. S., B.A. Mt. All., A.M. Harv., Ph.D. Chic. Prof.
Crofts, G., B.Com. Assoc. Prof.
White, J. S., M.A. Asst. Prof.

Agriculture, v. *infra*

Anatomy, v. also Med.—Surg.

Thompson, I. M., B.Sc., M.B., Ch.B. Edin. Hd. of Dept., Prof.
Bowie, D. J., B.Sc. (Med.), M.A., Ph.D. Tor. Assoc. Prof.
Sigurdson, L. A., M.A., M.D. Asst. Prof.

Lecturers

Klass, A. A., B.A., M.D., F.R.C.S. Ed. and Can.
Merkeley, N. P., M.D.
Decter, P. H., M.D., F.R.C.S.
McAlpine, W. A., M.D., F.R.C.S. Eng. and Ed.
Ross, R. T., M.D.
Windle, S. C., B.Sc., M.D.

* Member of the Association of Universities of the British Commonwealth.

Architecture and Interior Design

Russell, J. A., B Sc. (Arch.), M.Arch. M.I.T.
Dir. of School, Prof.

Associate Professors

Sellors, R., M.Arch. M.I.T., B.Arch.
Harland, Joan M., M.A. Col., B.Arch.
Elarth, H. A., M.Sc. (Arch.) Ill.
Kostka, V. J., Ing. Arch. Prague.
Gerson, W.

Assistant Professors

Chrabaszcz, J. J., B.F.A. Syracuse.
Donahue, A. J., B.Arch. Minn., M. Arch. Harv.
Dunklee, D. L., B.Arch. N.Y.
Graham, J. W., B.Arch.

Lecturer

Austmann, Miss Raquell, B.I.D.
5 Assts.

Art

Richards, C. C. Assoc. Prof.
Wise, R. Asst. Prof.
Nelson, R. A., M.F.A. Art Inst. Chic. Asst. Prof
Eliasson, G. Lectr.

Astronomy, v. Maths.

Biochemistry

White, F. D., Ph.D. Edin., F.R.I.C., F.C.I.C.
Hd. of Dept., Prof.
Delory, G. E., M.Sc., Ph.D. Lond.
Assoc. Prof.

Lecturers

Suderman, H. J., M.Sc.
Morris, J. E., B.Sc., M.B., Ch.B. Vic., M.D. Roch.
Israels, C. G., B.A., M.D., M.Sc.

Botany

Leach, W., M.Sc. Manc., Ph.D., D.Sc. Birm., F.R.S.C.
Hd. of Dept. and Prof.
Love, A., Ph.D., D.Sc.
Assoc. Prof.
Weresub, Luella, B.A. Qu., M.A. Tor. Asst. Prof.
Love, Mrs. Doris, Ph.D., D.Sc.
Herbarium Curator.

Business Administration and Finance

Rollit, J. B., M.A., Ph.D. McG.
Prof. and Dir. of School of Commerce.
Donaldson, G., M.A. Tor., M.B.A. Chic., B.Com. Assoc. Prof.
Lazer, W., B.Com., M.B.A. Chic.
Asst. Prof.
7 Sessl. Lectrs.

Chemistry

Professors

Campbell, A. N., D.Sc. Aberd., M.Sc., Ph.D. Lond., F.R.I.C., F.R.S.C., F.C.I.C. Hd. of Dept.
Robinson, A. D., M.A. Sask., Ph.D. Minn.
Charlesworth, E. H., M.A. Qu., D.Phil. Oxon., F.C.I.C.

Associate Professor

Funt, B. L., M.Sc. Dal., Ph.D. McG.

Assistant Professors

Biermann, W. J., B.S. St. Louis, Ph.D. Wis.
Kartzmark, Eleanor M., M.Sc.
Loudfoot, J. H., B.Sc. Glas.
Murray, F E., B.Sc. Alta., Ph.D. McG.

Classics

Johnson, S., M.A. Prof.
Hugill, W. M., B.A. Tor., Ph.D. Chic. Prof.
Berry, E. G., M.A. Qu., Ph.D. Chic. Assoc. Prof.

Economics and Sociology

Waines, W. J., M.A.
Prof., Dean of Fac. of Arts and Science.
Barber, C. L., B.A. Sask., M.A. Clark. Assoc. Prof.

Assistant Professors
Dallyn, F. J. G., B.A. Tor., A.M. Harv.
Pentland, H. C., M.A. Oregon, B.A.
Bellan, R. C., M.A. Tor., B.A.

Education
Scarfe, N. V., M.A. Lond. Dean of Fac. and Prof.
Woods, D. S., B.A. Qu., A.M., Ph.D. Chic., M.A. Prof.
Stein, H. L., Ph.D. Minn., M.A. Prof.
Katz, J., B.A., M.Ed. Assoc. Prof.
Dolmage, Grace, M.Sc.Ed. Northwestern, B.A. Asst. Prof.
Maccia, G. S., B.S. St. Louis, M.Ed. Missouri, Ph.D. S. Calif. Asst. Prof.
12 Special Lectrs.

Engineering, Civil
Riddell, W. F., M.Sc. Prof.
Macdonald, A. E., M.Sc. (C.E.) McG., F.C.I.C. Prof. and Dean of Fac.
Hoogstraten, J., M.Sc. Mich., B.Sc. (C.E.). Prof.

Associate Professors
Larson, A. G., B.A.Sc. Br. Col., M.A.Sc. (C.E.).
Carlson, A. J., B.Sc. Qu., M.A.Sc. Tor.
Hovey, C. M., B.Sc. (C.E.).

Assistant Professors
Magill, E. S., B.Sc. (C.E.).
Marantz, O., B.Sc. (C.E.).
Borgford, S. J., B.Sc. (C.E.).
Morris, W. V., B.Sc. (C.E.).
Baracos, A., B.Sc., M.Sc. (C.E.) Alta.

Lecturer
Patton, W. J., B.Sc. (M.E.).
9 Demrs.

Engineering, Electrical
Williams, N. A., B.Sc. Qu. Prof.
Wicks, S. G., B.Sc. (E.E.) Assoc. Prof.
McMath, J. P. C., B.Sc. (E.E.) Alta. Assoc. Prof.
Haakonsen, H., B.Sc. (E.E.) Qu. Asst. Prof.
MacDiarmid, H. A., B.Sc. (E.E.) Lectr.
2 Demrs.

Engineering, Mechanical
Hall, N. M., O.B.E., B.Sc. McG. Prof.

Associate Professors
Wood, B. D., B.A.Sc. (M.) Tor.
Krol, J., Ph.D. Lond.
Chant, R. E., M.Eng. (Mech.) McG.

Assistant Professor
Gawley, H. N., B.Sc. (M.E.) Sask.
5 Demrs.

English
Wheeler, A. L., B.A. Br. Col., M.A. Tor., Ph.D. Wis. Prof.

Associate Professors
Saunders, Doris B., B.Litt. Oxon., M.A.
Hopper, C. R., M.C., M.A.
Peter, J. D., B.A., LL.B. S.A.

Assistant Professors
Duncan, T. A. W., M.A.
Brodersen, G. L., M.A. Oxon.
Stobie, W. G., M.A. Tor.

Lecturers
Reaney, J. C., M.A. Tor.
Robinson, J. M.
McPherson, H. A., M.A. W. Ont., B.A.
1 Grad. Asst.

French
Jones, C. Meredith, M.A. Wales, D. de l'U. Paris Prof.

Assistant Professors
Richard, M. E. J., B.A. Alta., Dip. École de Prép. Paris.

Walters, R. L., B.A. Oberlin, M.A. Prin.
Jensen, C. A., B.A. W. Ont., M.A. Tor.

Lecturers

Sumi, Emily, M A.
Webster, Mrs. Joan, B.A. W. Ont., M.A. Col.

Geography

Weir, T. R., B.A. Br. Col., M.A. Syr., Ph.D. Assoc. Prof.
Watts, F. B., M.A. Syr. Lectr.

Geology and Mineralogy

Brownell, G. McL., Ph.D. Minn, M.Sc. Prof.
Leith, E I., M.Sc. Assoc. Prof.
Ferguson, R. B., M.A., Ph.D. Tor. Assoc. Prof.
Wilson, H. D. B., M.S., Ph.D. Cal. Tech., B.Sc. Assoc. Prof.
Russell, G. A., E.M. Minn., M.Sc. Qu. Asst. Prof.

German

Stirk, S. D., M.A. Oxon., D.Phil. Bres. Prof.
Maurer, K. W., Ph.D. Tübingen Assoc. Prof.
Cardinal, C. H., M.A. McG. Asst. Prof.

History

Morton, W. L., M.A., B.Litt. Oxon., B.A. Prof.
Glover, R., M.A. Oxon. A.M., Ph.D. Harv. Assoc. Prof.
Oleson, T. J., Ph.D. Tor., M.A. Assoc. Prof.
Webster, T. S., M.A. Qu. Asst. Prof.
Yuzyk, P., M.A. Sask. Asst. Prof.
Eccles, W. J., M.A. McG. Lectr.

Icelandic

Gudmundsson, F., Cand. Mag. Iceland. Assoc. Prof.

Judaic Studies

Stampfer, Rabbi J., B.A. Chic., M.A. Col.

Law, v. *infra*—Affiliated Colleges

Mathematical Physics

Gillson, A. H. S., O.B.E., M.A. Camb., LL.D. McG. Prof.
Neamtan, S. M., B.Sc., Ph.D. McG., M.A. Tor. Prof.
Coish, H. R., B.A., B.Sc. Mt. All., M.Sc. Dal., M.A. Tor. Assoc. Prof.

Mathematics and Astronomy

Lawson, J. W., Ph.D. Chic., M.A. Prof.

Associate Professors

Milne, T. H., M.A. Tor.
Mendelsohn, N. S., M.A., Ph.D. Tor.

Assistant Professors

Divinsky, N., M.Sc., Ph.D. Chic.
Noonan, B., M.A. Tor., B.A.

Lecturers

Zeiler, F., M.Sc. Alta., B.Sc.
Lockhart, R. J., B.A. W. Ont.

Medicine, v. *infra*

Microbiology

James, N., B.S.A. Tor., M.S., Ph.D. Iowa State, F.A.A.A.S. Prof.
Campbell, N. E. R., B.S.A. Tor., M.Sc. Asst. Prof.
Hawirko, Roma, M.Sc., Ph.D. McG., B.Sc. Asst. Prof.

Music

Gibson, R. W., Mus.B. Manc. Assoc. Prof. and Dir. of School.
Sampson, Peggie, Mus.Bac. Edin., L. de C. Paris Asst. Prof.

Oriental Languages and Literature

Graham, Rev. W. C., S.T.M., D.D. United Coll., Ph.D., F.R.S.C. Prof.

Taylor, Rev. G. E., M.A., B.D. Asst. Prof.

Special Lecturers

Freeman, Rev. E. G. D., M.A., D.D.

Newcombe, C. R., B.A., B.D., S.T.M.

Pharmacy and Pharmaceutical Chemistry

McDougall, D., B.Sc. (Pharm)., M.Sc., F.C.I.C. Prof.

Nash, C. W, M.S., Ph.D. Minn. Assoc. Prof.

Barker, D. Y., B.Sc. (Pharm.) (on leave 1954–55) Lectr.

Swartz, H. A., B.Sc. (Pharm.). Lectr.

Philosophy

Sibley, W. M., M.A. Br. Col., Ph.D. Brown Prof.

Glassen, P., M.A. Tor., A.M. Harv. Asst. Prof.

Huggett, W. J., M.A. Tor. Lectr.

Physics

Young, J. F. T., M.A., Ph.D. Tor. Prof.

Pringle, R. W., B.Sc., Ph.D. Edin. Prof.

Whitmore, B. G., B.Sc. Lond., M.A. Tor., Ph.D. Leipzig. Prof.

Associate Professor

Roulston, K. I., B.A., M.Sc. Dub., Ph.D.

Assistant Professors

Macdonald, P. A., M.Sc., Ph.D.

Douglas, D. G., M.A. Sask., Ph.D. McG.

Standil, S., M.Sc. Qu., Ph.D.

Kelly, F. M., M.A., Ph.D. Tor.

Standing, K. G., A.M. Prin., B.Sc.

1 Graduate Assistant.

Physiology, v. Medicine

Political Economy, v. Econ., *supra*

Political Science and International Relations

Hiscocks, C. R., M.A. Oxon., D.Phil. Berl. Prof.

Donnelly, M. S., B.A. Mt. All., M.A. Tor. Asst. Prof.

Anglin, D. G., B.A. Oxon., and Tor. Asst. Prof.

Psychology

Zubek, J. P, B.A. Br. Col., M.A. Tor., Ph.D. Johns H. Prof.

Springbett, B. M., M.A. Alta. Assoc. Prof.

Sayons, K. M. T., LL.M., B.Litt. Oxon., Dip.Psych. Oxon. Assoc. Prof.

Burns, Joyce H., M.A. Tor., B.A. Lectr.

Slavic Languages

Rudnyckyj, J. B., Ph.D. Lwów Assoc. Prof.

Yuzyk, P., M.A. Sask. Asst. Prof.

Lucyk, G. M. Lectr.

Zoology

Wardle, R. A., M.Sc. Manc., F.R.S.C. Prof.

McLeod, J. A., M.Sc., Ph.D. Assoc. Prof.

Stewart-Hay, R. K., M.Sc. Asst. Prof.

Agriculture and Home Economics

Agric. Econ. and Farm Management

Sinclair, S., B.S.A., M.Sc. Sask., Ph.D. Minn. Prof.

Mollett, J. A., B.Sc. (Ag.), M.Sc. (Ag. Econ.), R'dg.

Agricultural Engineering

Shanks, G. L., M.S. Iowa State Coll., B.S.A. Prof.

Paterson, J. J., B.S.A., M.Sc. Sask. Assoc. Prof.

Lapp, H. M., B.Sc. (A.E.) Sask. Asst. Prof.

Hendrickson, M. H., B.Sc. (A.E.) Sask. Lectr.

Animal Science

Brown, J. McC., M.M., B.S.A. Tor., M.Sc Minn. Prof.
Savage, A., B.S.A. McG., D.V.M. Corn. Prof.
Hodgson, G. C., M.S. Corn., B.S A., Dip.Ed. Assoc. Prof.
Kondra, P. A., B.S.A., M.Sc. Assoc. Prof.
Seale, M. E., B.Sc. Alta., M.S. Minn. Asst. Prof.
De Pape, R. A. G., B.S.A. Asst. Prof.

Art, Clothing and Textiles

Clark, Mrs. Eugenia B., A.B. Wis., B.Sc. (H. Ec.) Stout Inst., M.S. Iowa State College Assoc. Prof.
Allen, Lillian B., B.A., M.S. Syr. Asst. Prof.

Lecturers

Watson, Kathleen T., B.Sc. (H. Ec.).
Waters, Dorothy, B.S. Stout Inst.
Fisher, June, B.Sc.(H.Ec.).

Child Development and Household Management

Davis, Lorna M., M.A. Tor. Assoc. Prof.
Aldous, Mary, M.S. Iowa State Coll., B.Sc. (H.Ec.) Asst. Prof.
1 Asst.

Dairy Science

Nesbitt, J. M., B.S.A., M.Sc. Assoc. Prof.
Ritchie, J. J., M.S. Penn., B.S.A. Asst. Prof.

Education

.....

Entomology

Mitchener, A. V., B.A. McM., B.S.A. Tor., M.Sc. Prof.
Thorsteinson, A. J., Ph.D. Lond., B.S.A. Assoc. Prof.
Robinson, A. G., M.C., M.Sc. McG., B.S.A. Asst. Prof.
Robertson, D. R., B.S.A. Lectr.
Lejeune, R. R., B.S.A., M.Sc. Hon. Lectr.

Family and Institutional Administration

MacArthur, A. Isabel, B.Sc. (H. Ec.), M.A., D.Ed. Col. Prof., Dir. of Sch.
Smith, Louise, M.S. Col., B.Sc. (H. Ec.) Asst. Prof.
Brownlee, Beatrice K., B.Sc. (H. Ec.), M.Sc. Col. Instr.

Foods and Nutrition

Hiltz, Mary C., B.Sc. Col., M.A. Tor. Assoc. Prof.
Henderson, Jean E., M.A. Tor. Asst. Prof.
Feniak, Mrs. Elizabeth, M.S. Minn., B.Sc. (H. Ec.) Asst. Prof.
Grahame, Dorothy, M.S. Minn., B.Sc. (H. Ec.) Lectr.

Plant Science

Shebeski, L. H., B.S.A., M Sc. Prof.
Peterson, R. F., M.S., Ph.D. Minn., B.S.A. Prof.
Andersen, E. T., M.Sc. Alta. Assoc. Prof.
Helgason, S. B., B.S.A., M.S. Minn. Assoc. Prof.
Johnson, T., B.Sc., B.S.A. Sask., M Sc., Ph.D. Minn. Prof.
Gordon, W. L., M.Sc. McG., Ph.D. Wis. Assoc. Prof.
Hagborg, W. A. F., Ph.D. Tor., B.S.A. Assoc. Prof.
Menzies, J. A., B.S.A. Asst. Prof.
Truscott, J. D., B.A., M.Sc. Sask. Asst. Prof.
Hikida, H. R., B.S.A., M.Sc. Lectr.

Soils

Ellis, J. H., M.S. Minn., B.S.A. Prof.
Hedlin, R. A., B.S.A. Sask., M.Sc. Alta., Ph.D. Wis. Asst. Prof.

Medicine

(for subjects of first 2 yrs.—Anat., etc., v. *supra*)

Bacteriology and Immunology

Wilt, J. C., M.D., C.M. Assoc. Prof.

Forensic Medicine

Hall, G., LL.B. Sp. Lectr.

Medical Research. *See* Physiol. and Med. Res., *infra*

Medicine

Bell, L. G., M.D., F.R.C.P.Can. Prof. and Dean.
Adamson, J. D., B.A., M.D., F.R.C.P.Can. Prof.
Mathers, A. T., M D., C.M., F.R.C.P.Can. (Psychiatry) Prof.

Associate Professors

Kitchen, H. D., M.M., M.D., C.M.
McEwen, S. D., B.A., B.Sc., M.D.
Hollenberg, A., B.A., B.Sc., M.D.

Assistant Professors

Adamson, G. L., M.D.
Mathewson, F. A. L., M.D., B.Sc. (Med.).
Walton, C. H. A., M.Sc., M.D., F.A.C.P.
Gemmell, J. P., M.D., F.R.C.P. Can.
Allison, F. G., B.A., M.D.
Kilgour, J. M., B.Sc., M.D., F.R.C.P.Can.
Beamish, R. E., B.A. McM., M.D.
Brock, W. G., M.S. Minn., B.A., M.D.
Cherniak, L., M.D., B.Sc. (Med.)., F.R.C.S.Can.
Coke, L. R., M.D.
Houston, A. B., B.Sc. Sask., M.D., F.R.C.P.Can., F.A.C.P.
Green, P. T., M.D. Tor.
Schoemperlen, C. B., M.D.

Lecturers in Medicine

Bennett, W. J., M.D.
Birt, A. R., M.D. (Dermatol.).
Campbell, M. H., M.D.
Downey, J. L., M.D.
Hollenberg, M. S., B.Sc., M.A., M.D.
Ross, E. L., M.D.
Scott, D. L., M.D. (T.B.).
Sinclair, A. C., M.D.
Tisdale, P. K., B.Sc., M.D.
Kippen, D. L., M.D.
McFarlane, R. H., M.D.
Polson, R. A., M.D.
Beckstead, J. L., M.D.
Brownell, E. G., M.D.
Gubbay, E. R., M.D., B.S. Lond., F.R.C.P.Can.
MacDonell, J. A., M.D.
Martin, J. H., B.A., M.D.
Pincock, J. G., M.D.
Ross, R. T., M D.
Vaisrub, S, M D., F.R.C.P.Can., F.A.C.P.
4 Teaching Fellows, 14 Demrs.

Obstetrics and Gynæcology

Black, Elinor, M.D. Dir. of Dept. and Prof.
Best, B., M.D., F.R.C.S.Ed. Prof.

Associate Professors

Lyons, R., B.A., M D.
Andıson, A. W., B.A., M.D.

Assistant Professor

McCord, W. J., M.D.

Lecturers

Bleeks, C. K., M.D.
Friesen, W. J., M.D.
Goodwin, A. M., M.D.
Henneberg, C., M.D.
Schmidt, O. A., M.D.
Guyot, H., B.A., M.D.
2 Teaching Fellows, 7 Demrs.

Ophthalmology

Elvin, N. L., M.D. Prof.
Ramsay, R. M., M.S. (Ophthalm.) Minn., M.D. Asst. Prof.
Rose, J. E., M.D. Asst. Prof.
Guest, W. C., M.D. Lectr.
5 Demrs.

Oto-laryngology

Black, R., M.D. Prof.

Beckman, I. H., M.D. Lectr.
Alexander, W., M.D. Lectr.
1 Demr.

Pædiatrics

Medovy, H., M.D.
Dir. of Dept. and Prof.
Chown, H. B., M.C., B.A., M.D.
Prof.
Read, C., B.Sc. Acad., M.D., C.M. McG. Assoc. Prof.
Israels, S., B.Sc., M.D., F.R.C.P. Can. Asst. Prof.
Martin, K., M.B., B.S. Asst. Prof.
Grant, W. W., B.A. Alta., M.D.
Asst. Prof.

Lecturers

Graf, J., M.D. Modena.
Popham, H. E., M.D.
Boyd, S. A., M.D.
Marlatt, Helen, M.D.
Berger, M., B.A. Sask., M.D.
McLandress, M., M.D.
Stephens, G. M., M.D.
1 Teaching Fellow, 5 Demrs.

Pathology

Nicholson, D., M.D., C.M.
Dir. of Dept. and Prof.
Lederman, J. M., B.Sc. Sask., M.D. Prof.
Williams, T. H., M.D., C.M., D.T.M. & H. Lond.
Assoc. Prof.
Penner, D. W., B.A. Sask., M.D
Asst. Prof.

Lecturers

Hoogstraten, J., Ph.D. Camb., M.D.
Ridge, J. M., B.Sc., M.D.
Burgoyne, F. H., M.D.
2 Teaching Fellows, 2 Demrs.

Physiology and Medical Research

Doupe, J., M.D. Prof.

Associate Professors

Ormerod, M. J., M.D. Tor.
Perry, W. F., B.Sc. McG., M.A., M.D., C.M. Qu.
Blanchaer, M. C., B.A., M.D. Qu.
Hildes, J. A., M.D. Tor., F.R.C.P. Can.
Glazebrook, A. J., M.D., B.S. Lond.

Assistant Professors

Saunders, M. G., M.Sc., M.B., Ch.B. Manc.
Armstrong, J. B., M.D. Tor.
Thomson, A. E., B.A. Sask., M.D., M.Sc.
Blondal, H., B.Sc. (E.E.), M.D.
Ferguson, Marion H., Ph.D. Edin., B.Sc.
Cherniak, R. M., M.D.
1 Sp. Instr., 1 Demr.

Psychiatry

Sisler, G. C., M.D. Prof.

Assistant Professors

Adamson, G. L., M.D., F.R.C.P. Can.
Musgrove, W. M., O.B.E., M.M., M.D.
Pincock, T. A., M.D.

Lecturers

Little, G. A., M.D.
Stephens, G. M., M.D.
4 Demrs.

Radiology

Macpherson, R. A., M.C., C.M. Qu. Prof.
Childe, A. E., M.D. Assoc. Prof.
Stuart, F. G., B.A. Sask., M.D.
Asst. Prof.

Lecturers

Kiernan, M. K., B.A., M.D.
Simpson, J. W., B.A., M.D.
Walton, R. J., M.B., Ch.B. N.Z., D.M.R., D.M.R.T.
5 Demrs.

Social and Preventive Medicine

Cadham, R. G., M.D. Asst. Prof.

Lecturers

Elliott, M. R., O.B.E., M.D., D.P.H. Tor.

Lansdown, L. P., M.D., D.P.H. Tor.
Malcolmson, H. M., B.Sc., M.D.

Surgery

Ferguson, C. C., M D , F.R C.S. Can. Prof.
MacCharles, M. R., M.D., C.M., F.R.C.S. Ed. and Can., F.A.C.S. Prof.
Thorlakson, P. H. T., M.D., C.M., F.R.C.S.Can. Prof

Associate Professors

Corrigan, C. E., D.S.O., B.A., M.D., F.R.C.S. Eng. and Can.
Morse, H. D., M.D., C.M. McG., F.R.C.S.Can. (Urol.).

Assistant Professors

Abbott, A. C., B.A., M.D., C.M., F.R.C.S. Ed. and Can.
Cameron, H. F., M.D., F.R.C.S. Ed. and Can.
Clark, C. W., M.D., C.M., F.R.C.S. Ed. and Can.
Richardson, R. W., O.B.E., M.D., Ch.M.
Perrin, M. B., M.D., F.R.C.S. Ed. and Can.
Ryan, G. H., M.D.
James, E. S., M.D., F.R C.S. (App. Anat.).
Stewart, C. B., M.D., F.R.C.S. Ed. (Urol.).
Rennie, J. W. R., M.D., F.R.C.S.
Burrell, R. O., M.D , Ch.M., F.R.C S. Ed. and Can.
Trueman, K. R., M.Sc. Minn., B.A., M.D.
Huggins, Donalda, B.Sc., M.D.
Klass, A. A., B.A., M.D., F.R.C.S. Ed. and Can.
McInnes, J. S., M.D.

Lecturers

Bourgouin, J. J., M.D.
Deacon, A. E., M.Sc. Minn., M.D.
Holland, T. E., B.Sc., M.D., F.R.C.S. Ed. and Can.
McGibbon, K. C., M.B. Tor.
Parkinson, D., M.D., C.M. McG., M.Sc. Minn.
Peikoff, S. S., M.D., F.R.C.S.Ed.
Stephenson, E. S., M.D., Ch.M., F.R.C.S.Ed.
Swartz, D., M.D., F.R.C.S.Ed.
Funk, H., M.D.
MacKinnon, W. B., M.D.
Bennett, Marjorie R., M.D.
Bruser, M. B. E , B.A., M.D., Ch.M.
Fahrni, G. P., D.S.C., M.D., F.R.S.C.Can.
Farr, J. T , M.D., F.R.S.C. Ed. and Can.
Hollenberg, C., M.B.E., Ch.M. Liv , M.D , F.R.C S. and Can.
Loadman, B. E., B.A., M.D., Ch.M.
MacDougall, J. T , D.S.O., B.A. Alta., M.D., C.M. McG , F.R.C.S. Ed. and Can.
Merkeley, N. P., M.D.
Pickard, E. W., M.D.
Rabson, B.A., M.D., F.R.C.S. Ed.
Tucker, F. R., M.Ch. Orth. Liv., M.D., F.R.C.S.Ed.
Robb, W., D.D.S. Tor.
3 Teaching Fellows.
17 Demrs.

ADMINISTRATIVE AND OTHER STAFF

Executive Assistant to the President : J. B. Rollit, M.A., Ph.D. Dir. of Sch. of Archit. : J. A. Russell, B.Sc. (Arch.), M.Arch., Dip. Arch. Dir. of Sch. of Home Econ. : A. Isabel MacArthur, B.Sc. (H.Ec.), M.A., Ed.D. Dir. of Univ. Extension and Adult Educn. : A. S. R. Tweedie, M.A. Dir. of Sch. of Music : R. W. Gibson, Mus.B. Act. Dir. of Sch. of Soc. Work : Helen M. Mann, A.M. Chic., M.A. McM. Dir. of Sch. of Art : ..... Dir. of Summer Sch. : W. M. Hugill, B.A., Ph.D. Dir. of Sch. of Comm. : J. B. Rollit, M.A., Ph.D.

Dir. of Sch. of Pharm. : D. McDougall, B.Sc. (Pharm.), M.Sc., F.C.I.C. Dir. of Nursing Educn. : Margaret Hart, M.A.

Recorder : Margerie White. Manager, Univ. Book Store : J. A. M. Edwards. Supt. of Bldgs. and Grounds : J. Illingworth. Dietitian, Univ. Residence : Beatrice Brownlee, M.Sc. Dir. of Men's Residence : Mrs. Clara Unwin. Dir. of Women's Residence : Mrs. Alma Dickson. Phys. Dir. : W. F. R. Kennedy, B.P.H.E., M.A.

AFFILIATED COLLEGES represented on the Senate, the first four having power to confer degrees in Divinity :

ST. BONIFACE COLLEGE, St. Boniface (R.C.). (*Telephone* : Winnipeg 201 625.) Rector—Rev. J. d'A. Richard, Ph.D.

ST. JOHN'S COLLEGE, Winnipeg (C. of E.). (*Telephone* : Winnipeg 927 893.) Warden—Rev. Canon L. F. Wilmot, B.A., B.D.

UNITED COLLEGE, Winnipeg (United Ch. of Canada). (*Telephone* : Winnipeg 722 291.) Principal—Rev. W. C. Graham, M.A., Ph.D., S.T.M., D.D., F.R.S.C.

ST. PAUL'S COLLEGE, Winnipeg (R.C.). (*Telephone* : Winnipeg 932 471.) Rector—Rev. C. C. Ryan, B.A., Ph.L. Montr.

MANITOBA LAW SCHOOL, Winnipeg. (*Telephone* : Winnipeg 907 378.) Dean—G. P. R. Tallin, Q.C., B.A. Oxon., LL.B.

BRANDON COLLEGE, Brandon (Undenominational). President—J. R. Evans, M.A., Ph.D., LL.D.

GENERAL INFORMATION

The Univ. was established by Act of the Provincial Legislature in 1877 on the model of the Univ. of London, as an examining and degree-conferring body, the instruction to be given in the affiliated colls. which were already in existence, viz. : St. Boniface Coll., St. John's Coll., and Manitoba Coll. This list was subsequently extended to include Manitoba Medical Coll. (1882), Wesley Coll. (1888), Manitoba Coll. of Pharmacy (1902), Manitoba Agricultural Coll. (1907), Manitoba Law Sch. (1914), St. Paul's Coll. (1931), and Brandon Coll. (1938). In 1900 the Univ. was, by legislative enactment, given power to offer instruction. In 1929, having outgrown its city buildings, the Univ. was removed to a permanent rural site with ample space for expansion. In 1940 a systematic programme of work in rural adult education was begun.

The Univ. has the sole power of conferring degrees in Arts, Science, Law, Med., Engin., Pharmacy, Commerce, Agric., Home Economics, Education, Pedagogy, Archit., Interior Design, Fine Arts and Social Work, in the province. It received in 1898 from the Dominion Govt. a land grant of 150,000 acres.

LOCATION. The buildings occupied by the Facs. of Medicine and Law are in the city of Winnipeg, which, with adjacent municipalities, has a population of over 355,000. The site of the Faculties of Arts and Sci., Agric. and Home Economics, Engin. and Archit., Education, the Graduate School of Social Work, and the Graduate School of Nursing, is in the municipality of Fort Garry, 7 miles from the centre of Winnipeg. The Univ. has 48 buildings on this site, including a University residence, the Manitoba Union, which has accommodation for 600 students. There are also on this site the Dominion Rust Research Laboratory, the Dominion Laboratory of Plant

Pathology, the Dominion Laboratory of Entomology and the Provincial Experimental Fur Farm.

CONSTITUTION. General management of the Univ. is vested in a bd. of fourteen governors, nine of whom are apptd. by the Lt.-Governor in Council, three elected by graduates from among their own number, the remaining two being the Chancellor and the President *ex officio*. The Board has corporate powers and in all matters relating to the management of the Univ., including academic affairs, it enjoys plenary powers. The prime academic body is the Senate, whose membership consists of the President as Chairman, Chancellor, Dep. Minister of Educ., Chairman of the Advisory Board of the Dept. of Educ., Deans of Facs., representatives of professors in each Fac. or Sch., Dirs. of Schools, and representatives of Affiliated Colls., the Coll. of Physicians and Surgeons of Manit., and the Alumni Association. Under its control are entrance requirements, courses of study, methods of instruction, appt. of examiners, approval of degrees, and related matters.

UNIV. LIBRARY, 170,000 vols.; 1343 periodicals received. There are also 30,410 mounted plates and photographs and 9410 slides in the School of Architecture. The Med. College has a library of 18,000 vols, and receives 371 periodicals. LABORATORIES: Anat., Bact., Bot., Chem., Engin. (Material testing—200,000 lb., Cement, Elect.), Geol. and Mineral., Pathol., Phys., Physiol., Zool. MUSEUMS: Anat., Embryol., Bot., Geol., Pathol. HOSPITALS available for clinics: 6 general (2500 beds), and several special, including tuberculosis, infectious diseases and psychopathic hospitals. FARM (1000 acres).

FACULTIES (for Deans, *see* p. 806). (1) An Arts and Science Faculty providing instruction in all subjects of undergraduate courses in Arts (except 6 options and the Latin Philosophy course for French-speaking students of St. Boniface College), Science, Pharmacy and Commerce. (2) Medicine. (3) Engineering, Archit. and Interior Design. (4) Agriculture and Home Economics. (5) Education. Other subjects of Arts course are taught in the affiliated Colls. Law is taught in the Manitoba Law School, which is under the direction of trustees jointly appointed by the Univ. and the Law Society of Manitoba. Public Health Nursing and Teaching and Supervision in Schools of Nursing are taught to graduate nurses in the Graduate School of Nursing, directed by the Univ. and financed by the Provincial Department of Health and Public Welfare. Academic and clinical training of social workers is carried on in the Graduate School of Social Work. A course leading to the degree of Bachelor of Fine Arts is taught co-operatively by the Faculty of Arts and Science, the School of Art, the School of Architecture and the School of Home Economics.

MATRICULATION examn. is conducted in June by the Examn. Board of Manitoba, also a limited Matricn., in Sept. Satisfactory completion of Levels I, II and III of the Matricn. course of the Dept. of Educn. is required. Matricn. subjects for Arts or Sci. courses: English, Maths., Social Studies, 3 units of Science (Gen. Sci. and two of Biol., Physics, Chem.), and at least one elective from the following: a second foreign lang., a fourth Science, Music, Home Econ., Industrial Arts, Comml. work. With a second foreign lang. or music—when carried for at least 2 yrs. of High Sch.—only 2 units of Science are required (Genl. Sci. and either Physics or Chem.). Matricn. may also be obtained with a third foreign lang., the only Science requirement being Genl. Sci. Exemption from examination is allowed in the subjects of Grades IX and X Matricn. to pupils of the Collegiate Institutes of the province, or of the Preparatory Schools in connexion with the affiliated Colleges, who are recommended for such exemption by their school principals, and also exemption from

examn. in the subjects of Grade XI Matricn. (Arts and Sci.) to recommended pupils of approved schools under certain conditions. Entrance requirements for Medicine are clear standing of 3 pre-medical years in Arts and Science; for Law, of 2 yrs. in Arts; for Engineering and Architecture, standing of one year in Arts and Science. Members of any British or approved Univ. may be admitted *ad eundem statum* or *gradum* without Entrance examn. *See also* Appendix I.

DEGREE COURSES. 4 yrs.—B.A., B.Sc., B.Sc. (C.E., M.E., E.E. or G.E.), LL.B., B.Sc. (H. Ec.), B.Com., B.I.D., B.Ped.; 5 yrs. following 3 pre-medical yrs.—M.D.; 5 yrs.—B.A. (Hons.), B.Sc. (Hons.), B.Com. (Hons.), B.Arch., B.S.A., B.Ped. (Hons.); 3 yrs. following 1 yr. in Arts and Science, and 2 yrs.' apprenticeship—B.Sc. (Pharm.). Research Courses governed by specl. regns. lead to the degree of B.Sc. (Med.), to M.Sc. (Med.), and to Ph.D. M.A., M.Sc., M.Arch., M.Arch. (C.P.), LL.M., B.Soc.W., 1 or 2 yrs.' postgraduate course. B.Ed., 2 yrs.' postgraduate course; M.Ed., 1 yr. after B.Ed.

Subjects are placed in groups, from each of which selection is made in accordance with definite regulations. For the B.A.—English (1 yr.), a foreign language (2 yrs.), Maths. (1 yr.) and a second yr. of English or a second foreign language are compulsory.

The M.A. may be obtained by candidates possessing the Honours B.A. of Manitoba, or an equivalent degree, by an extra year of full-time study under the direction of a committee of instructors. Candidates for the M.A. possessing the General Course B.A. of Manit., or an equivalent degree, must first obtain 16 units of credit in Honours Courses. A thesis is usually required as well as examn.

The M.Sc. requirements are at least one yr.'s grad. work (in one or more of the Sc. depts. of the Univ. (incl Maths.) or in the dept. of Civil Engin. or that of Elect. Engin., or in the Fac. of Agric. and Home Econ.), an examn. and a thesis. Candidates for the M.Sc. possessing the General Course B.Sc. of Manit. or an equivalent degree, must first complete five Honours Courses.

While taking the LL.B. course a student may simultaneously obtain the Law Society's qualification for practice. The LL.D. is honorary.

In the B.Sc. Engin. courses a thesis is required in the 4th yr. A summer thesis may be presented for credit by students entering the 2nd, 3rd or 4th yr.

Two yrs.' service in an Architect's office following graduation (B.Arch.) will qualify for licence to practise.

DIPLOMAS. Agriculture (2 yrs.); Dairying (3 mos.); School of Nursing (1 yr.), Home-making (5 mos.).

The Univ. conducts examns. for admission to the Manit. Assoc. of Registered Nurses, to the practice of Dentistry and membership of the Manit. Dental Assoc., to the practice of Accountancy and membership of the Inst. C.A. of Manitoba, to the practice of Architecture and membership of the Manit. Association of Architects.

MUSIC. The Univ. conducts examns. in all grades of vocal and instrumental music (Piano, Organ, Violin, Viola, Violoncello) and musical theory and history leading to the diploma of Assoc. in Music, Manit. (A.M.M.). Holders of the A.M.M. or equivalent standing may obtain the Licentiateship dipl. on passing an advanced practical examn. Music may be offered as an elective for Matricn. if carried for 2 or 3 yrs. in High School and at least the prescribed minimum grade is attained. It is also an elective in Arts and in the 2nd and 4th yrs. in Home Econ. Practical instruction must be obtained from private teachers.

Examns. are based on a syllabus of the Western Board of Music, composed

of representatives of the Universities and Depts. of Educn. of Manitoba, Saskatchewan and Alberta.

FEES. Tuition and examin. in Arts, $180 in 1st yr., $205 p.a. in all other yrs.; in Sci., $205 in 1st yr., $225 p.a. in all other yrs.; in Comm., $225 p.a.; Engin. and Arch., $285 p.a.; Interior Design, $180 in 1st yr., $205 in all other yrs.; Phm., $250 p.a.; Med., 1st, 2nd, 3rd and 4th yrs. inclusive, $425, 5th yr., $75; Law, $175 p.a. Licence to practise Med., $100 (payable to the College of Physicians and Surgeons of Manitoba). Agri. Dipl. course, $30; Degree course, $180 p.a. (1st and 2nd yrs.) and $190 p.a. (3rd, 4th and 5th yrs.).

SCHOLARSHIPS for graduates: 2 Travelling Fellowships, each $400, offered each yr. tenable at some other seat of learning. Univ. Women's Club Fellowship, $150, is offered to an outstanding woman graduand in Arts or Science. 2 Athlone Fellowships of Tuition, Maintenance and Transportation within Britain are offered each year for Engin. Graduates. 1 Canadian Industries Ltd. Research Fellowship of $1000 is offered annually to any British subject who is a Graduate of a recognized Univ. for Research in Agricultural Chemicals at the University of Manitoba. 1 Cominco Fellowship of $1200 is offered each year for Research in Mining, Metallurgical or Chemical Industry by a graduate of a recognized Univ. 1 Manitoba Historical Society Fellowship of $2500 to a Master of Arts of an approved Univ. for Ethnic Studies within Manitoba. 1 California Standard Co. Fellowship of $750 for study in fields related to oil exploration and production, tenable at the Univ. of Manit. 1 Gordon Bell Memorial Fellowship of $900 for medical research by graduates of the University of Manitoba or registered practitioners in the Province.

RESIDENCE. Hostels at all affiliated Arts Colls. and at the Fort Garry site.

UNIVERSITY EXTENSION. (1) Institute Evening courses of a cultural character. (2) Winter Evening Business courses in Acctcy., Comml. Law, English, Pol. Econ., etc., given partly by members of regular Univ. staff. (3) Radio popular lectures and broadcasts of music chosen from the Music Syllabus. (4) Short courses in Farm Equipment Repairing, Bee-keeping, Home-making, Dairying, Poultry, Home Vegetables and Fruit Growing, Home Grounds Beautification and Flower Growing, Fur Farming, Field Crops, Nutrition and Diseases of Farm Animals. (5) Feb. series of popular lectures. (6) Programme of Adult Education in Fine Arts in rural communities of the Province. (7) *Summer School*—6 wks. in July and Aug. Courses for Teacher Training, and in Grade XI, Grade XII and Arts and Sci. subjs. (8) Manitoba Labour Inst. classes. (9) Extension Service in Agric. and Home Econ. through correspondence, lectures, judging, bulletins, etc. (10) Dept. of Music Extension, under a Director of Music. (11) Evening courses for credit in certain Arts subjects of the second yr., in Winnipeg and at selected rural points.

EXTRA-MURAL WORK. Correspondence courses carrying degree credit are offered in certain subjects of the Second Year in Arts. Only one full course or two half courses may be taken in any one regular session.

ALUMNI ASSOCIATION. Founded in 1921 to deal as a body with all matters affecting the interests of the Alumni. Permanent Sec., W. Mulock, B.A.

MILITARY UNITS. Training is offered leading to commissions in either the active or the reserve forces of the Navy and the Army by the University of Manitoba Naval Training Division (U.N.T.D.) and the University of Manitoba Contingent Canadian Officers' Training Corps (C.O.T.C.) respectively; and to commissions in the reserve force only by the University of Manitoba Squadron, Royal Canadian Air Force (Reserve).

HEALTH SERVICE. Students are required to undergo a health examination at the beginning of each session.

STUDENT ATHLETIC FACILITIES. Two large well-equipped gymnasia with locker and dressing-room facilities, and seating for 1800 spectators. Two recreation halls, ice rink, curling rink, rifle range, and playing fields on campus. Off-campus accommodation provided for track, tennis, golf, swimming, bowling.

PUBLICATIONS. *General Calendar* (May), free; *Manitoban* (students' paper), bi-weekly (free to Manitoba students; others $1 a year); *Annual Report* (free); *Creative Campus* (Student and Staff, pub. annually, 25 c.).

UNIVERSITY PRESS. Founded in 1945; operates under the guidance of the Univ. Book Dept. Manager, J. A. M. Edwards, M.A.

THE YEAR 1952–53

NEW BUILDINGS. University Library.

ADULT EDUCATION WORK. Non-credit Evening Inst. Courses to 1684 students. Other extra-mural courses to 922 students. Continuation of Documentary Film Nights twice monthly. Public Lectures. Radio Forums. Preparations for Television Educn.

RETIREMENTS. F. T. Cadham (Bacteriol.); D. Wheeler (Radiol.).

RESIGNATIONS. M. Bowman (Soc. and Prev. Med.); A. A. Chiel (Judaic Studies); R. H. Clark (Civ. Engin.); J. C. Kacere (Sch. of Art); I. W. Monie (Anat.).

HONORARY DEGREES. *LL.D.*—R. F. Argue, retired Prof. of Engl., Univ. of Manit.; Hon. D. L. Campbell, Premier of Province of Manit.; Myrtle R. Conway, Principal, Clifton School; J. A. Cuddy, Pres., Manit. School Trustees Assoc.; R. M. Fisher, Dep. Minister of Munic. Affairs and Dep. Prov. Secret., Prov. of Manit.; L. L. FitzGerald, Artist; W. R. Leslie, Supt., Dominion Exper. Sta., Morden, Manit.; J. M. Pritchard, Chairman, McColl-Frontenac Oil Co., Ltd.; A. Sullivan, Barrister; P. H. T. Thorlakson, Surgeon; Rt. Rev. F. Vandry, Rector, Laval Univ.; H. W. Wright, Prof. Emer. of Psychol.; Hon. E. K. Williams, Chief Justice, Court of Queen's Bench; Hon. H. H. Wrong, Ambassador of Canada to U.S.A.; Air Marshal C. R. Slemon, Chief of Air Staff. *D.Sc.*—C. J. Mackenzie, Pres., Atomic Energy Control Bd. of Canada.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	2924	1126
Women	1063	645
Total	3987	1771

Postgraduate students: full-time men, 57; full-time women, 8; part-time men, 68; part-time women, 10.

New admissions, 1281.

Students from other countries, 158. (Countries from which largest numbers

came: China, 57; British W. Indies, 26; U.S.A., 24; U.K., 14; Nigeria, 11; Germany, 10.)

DEGREES AWARDED. Ph.D., 2; M.A., 7; M.Sc., 25; M.Ed., 3; M.Arch., 1; LL.M., 1; B.A. (Gen.), 214; B.A. (Latin Phil.), 25; B.A. (Hons.), 10; B.Sc. (Gen.), 64; B.Sc. (Hons.), 20; B.Sc. (Pharm.), 30; B.Com. (Gen.), 22; B.Com. (Hons.), 11; LL.B., 43; M.D., 72; B.Sc. (Med.), 8; B.Sc. (H. Ec.), 74; B.S.A., 24; B.Sc. (Eng.), 95; B.Arch., 21; B.Ed., 45; B.Ped. (Gen.), 61; B.Ped. (Hons.), 1; B.Int.Des., 15; B.F.A., 1; B.S.W., 23.

DIPLOMAS AWARDED. Agric., 25; Dairying, 10; Music, 12; Educn., 2; Art, 3.

CERTIFICATES AWARDED. Nursing Educn., 6

ASSOCIATESHIPS AWARDED. Educn., 5.

[*Information compiled as at* 31/7/54.]

MEMORIAL UNIVERSITY OF NEWFOUNDLAND*

Founded 1949

Postal Address: St. John's, Newfoundland, Canada.
Telephone: St. John's 6427.

VISITOR—THE LIEUT.-GOVERNOR, COL. Sir LEONARD OUTERBRIDGE, C.B.E., D.S.O., LL.D.

CHAIRMAN OF THE BOARD OF REGENTS—E. J. PHELAN, Q.C.

CHANCELLOR—The Rt. Hon. THE VISCOUNT ROTHERMERE.

VICE-CHANCELLOR AND PRESIDENT—RAYMOND GUSHUE, C.B.E., Q.C., LL.B. Dal., D.Cn.L. K.C.N.S.

DEANS—*Arts and Science*—A. C. HUNTER, B.A. Lond., M.A. Oxon., D. de l'U. Paris, O.A.; *Applied Science*—S. J. CAREW, B.Sc. Dal., B.E. (Mining) N.S.T.C.; *Education*—G. A. HICKMAN, B.A. Mt. All., M.A. Acad.

REGISTRAR—MONNIE G. MANSFIELD.

LIBRARIAN—SADIE L. ORGAN, B.A. McG., M.A. Mich.

BURSAR—PAUL A. WINTER.

TEACHING STAFF

Art

Shepherd, R. Visiting Lectr.

Biology

Andrews, C. W., B.Sc. Mt. All., M.A. Western, Ph.D. Tor. Prof.

Graham, A. R., M.Sc. Western Assoc. Prof.

Lear, E., B.Sc. Acad. Assoc. Prof.

Chemistry

Cooper, D. L., B.Sc. King's, M.Sc. Dal., Ph.D. McG. Prof.

Anderson, H. J., M.Sc. Manit., Ph.D. Northwestern Assoc. Prof.

Forbes, W. F., B.Sc., Ph.D. Lond., D.I.C. Assoc. Prof.

Classics and German

Ashley, J. B., B.A. Dal., M.A. Oxon. Assoc. Prof.

Cochrane, Mrs. J. A., B.A. Durh. (Latin) Lectr.

Economics and Political Science

Morgan, M. O., M.A. Dal. and Oxon. Assoc. Prof.

Goundrey, G. K., B.A. Br. Col., M.A. Tor. Assoc. Prof.

Education

Hickman, G. A., B.A. Mt. All., M.A. Acad. Prof.

Lodge, Helen M., B.A. Mt. All., M.A. Col. Prof.

King, Ethel M., B.Ed. Alta., M.A. Iowa Asst. Prof.

Rowe, W. G., B.A. Dal., M.A. Col. Assoc. Prof.

* Member of the Association of Universities of the British Commonwealth.

Ivany, C., B.A. Acad., B.Pæd. Tor. Actg. Assoc. Prof.

Engineering

Carew, S. J., B.Sc. Dal., B.E. (Mining) N.S.T.C. Prof

Facey, J. M. C., B.Sc. (Eng.) Lond. Lectr.

Nemec, A. O., B.E. Mich. Asst. Prof.

English

Hunter, A. C., B.A. Lond., M.A. Oxon., D. de l'U. Paris, O.A. Prof.

Seary, E. R., M.A., Ph.D. Sheff. Prof.

Pitt, D. G., B.A. Mt. All., M.A. Tor. Assoc. Prof.

O'Reilly, Alison, M.A. Tor. Asst. Prof.

Story, G M., B.A. McG., D.Phil. Oxon. Asst. Prof.

Carmichael, Miss R , M.A. Edin. Visiting Lectr.

French and Spanish

Hunter, A. C., B.A. Lond., M.A. Oxon., D. de l'U. Paris, O.A. Prof.

Turnbull, J., M.A. McM., Ph.D. Chic. Asst. Prof.

Jackson, H. H., B.A. Lond , LL.D. Vienna (Mod. Langs.) Asst. Prof.

Geography

Goodridge, H. B., M.A. Camb. Lectr.

Geology

Baird, D. M., B.Sc. New Br., M.Sc. Roch., Ph.D. McG. Prof.

Lee, B , B.A. Tor., M.Sc. McG. Asst. Prof.

History

Rothney, G. O., B.A. Bishop's, M.A., Ph.D. Lond. Prof.

Young, M., B.A. New Br., M.A. Tor. Asst. Prof.

Household Science

Baird, Edna, B.A. Dal., B.H.Sc. McG. Assoc. Prof.

Mathematics

Blundon, W. J., B.A. Lond., M.A. Col. Assoc. Prof.

Northover, H. F., M.A. Camb., Ph.D. Lond. Assoc. Prof.

Facey, J. M. C., B.Sc. (Eng.) Lond. Lectr.

Music

Rumboldt, I Visiting Instr.

Philosophy

Brown, N. J. P., M.A , B.Phil. Oxon. Asst. Prof.

Physical Education

Eaton, J. D , B.P.H.E. Tor. Dir.

Physics

Breckon, S. W., B.Sc. Qu , Ph.D. McG. Prof.

Noel, T. C., M.Sc. Dal. Asst. Prof.

Genge, D., B.Sc. Dal. Lectr.

ADMINISTRATIVE STAFF

Secretary to the President : Mrs. Audrey B. Hickey.

Reference and Circulation Librarian : Agnes C. O'Dea, B.A., B.L.Sc. Tor. ; Classifier and Cataloguer : H. Faith Mercer, Dipl. in Libr. Tor. ; Serials Librarian : Margaret Williams, B.A.

GENERAL INFORMATION

The University was founded by an act of the Provincial Legislature dated Aug. 13, 1949, merging the Univ. with the former Memorial University College which was built by the Newfoundland Govt. as a War Memorial and was opened in 1925.

The curriculum covers the first 4 yrs. of the Univ. courses in Arts, Educn., Science, the first 3 yrs. in Engin., Geol., Agric., Med., and the first 2 yrs. in Household Sci.

FACULTIES AND DEANS, *see* p. 821.

DEGREE COURSES. 4 yrs.—B.A., B.A. (Educn.), B.Sc.

HIGHER DEGREES. M.A., M.Sc.

DIPLOMA COURSES. 3 yrs.—Engin., Agric., Med.; 2 yrs.—Household Sci.

ACADEMIC YEAR. The Univ. year is divided into two semesters, Sept.–Feb., Feb.–June.

ADMISSION. High Pass Standing in the Grade XI examns. of the Public Examn. Bd. of Newfd., conducted by Common Examining Bd. of Maritime Provinces and Newfd., or equivalent. *See also* Appendix I.

FEES. For full course, $100 p.a.

A SUMMER SESSION, with full credit, is held in July and Aug.

LIBRARY, 20,000 vols., 160 periodicals subscribed to; Carnegie Art Rep. Set—2000 prints; Carnegie Music Set—700 gram. records.

SCHOLARSHIPS. Acadia offers annually one scholarship of $125, King's one of $150, Mt. Allison one of $125 and one of $62.50, and Mount Saint Vincent one of $175. These scholarships are tenable for 2 yrs. Dalhousie offers annually one scholarship of $200, tenable for one year.

Students having completed 2 yrs. at the Univ. are eligible for Rhodes Scholarships.

A students' Loan Fund has been founded. The Carnegie Corporation have made a grant of $7500 to the Trustees to enable them to make grants-in-aid to students in the Univ.

PUBLICATION. *Calendar.*

THE YEAR 1952–53

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	306	29
Women	101	21
Total	407	50

Postgraduate students, nil.
First-year admissions, 229.

DEGREES. B.A. (Educn.), 17; B.A., 6; B.Sc., 1.

DIPLOMAS. Engin., 4; Home Sci., 2.

[*Information compiled as at* 30/6/54.]

UNIVERSITY OF MONTREAL*

Founded 1876

Postal Address: P.O. Box 6128, Montreal 2, Canada.
Telephone: Montreal, RE. 8-9451.

CHANCELLOR—H.Em. PAUL-ÉMILE CARDINAL LÉGER, L.Th., D.C.L.

RECTOR—Mgr. OLIVIER MAURAULT, C.M.G., D.C.L., F.R.S.C.

VICE-RECTOR—Mgr. GEORGES DENIGER, B.Th.

SECRETARY-GENERAL—MARCEL FARIBAULT, LL.D.

FACULTIES AND DEANS—*Arts*—Rev. G. PERRAS; *Dentistry*—E. CHARRON, D.D.S., F.I.C.D., F.A.C.D., F.D.S.R.C.S.; *Hygiene*—A. FRAPPIER, M.D., L.Sc., F.R.S.C.; *Law*—E. BEAULIEU, LL.D.; *Letters*—Canon A. SIDELEAU, L.Lett. Paris; *Medicine*—W. BONIN, M.D.; *Music*—.....; *Pharmacy*—A.-F. LAROSE, D.Phm.; *Philosophy*—T.R.P. L. M. RÉGIS, S.Th.L. LeSaulchoir, D.Ph., F.R.S.C.; *Pure Science*—.....; *Social Science*—E. MINVILLE, L.Sc.Com., dip. Ec.Sc.pol. Paris, F.R.S.C.; *Theology*—Rev. R. FOURNIER, D.Th.

TREASURER—LOUIS CASAUBON.

ASSISTANT REGISTRAR—ABEL GAUTHIER, M.A. Col., L.Sc. phys., L.Sc. math., F.R.S.C.

DIRECTOR OF EXTENSION DEPARTMENT—LÉON LORTIE, D.Sc.phys. Paris, F.R.S.C.

DIRECTOR OF PUBLIC RELATIONS—ANDRÉ BACHAND, M.S. Col., L.Sc.com., LL.L.

LIBRARIAN—JOSEPH R. LEDUC, B.L.Sc. Col., N.Y., McG., Montr.

TEACHING STAFF

Agriculture, v. *infra*, Affiliated Instns.

Anatomy (normal)

Blais, M., M.D. Prof.
Venne, L., M.D. Asst. Prof.

Anatomy (pathological)

Masson, P., M.D. Paris, F.R.S.C. Prof.
Riopelle, J.-L., M.D. Prof.
Simard, L. C., M.D., F.R.S.C. Assoc. Prof.
Gareau, R., M.D. Asst. Prof.
Lauzé, S., M.D. Asst. Prof.
Martin, P., M.D. Asst. Prof.
Thériault, J.-P., M.D. Asst. Prof.

Ancient Languages and Literature

de Groot, J., D.Lett. Utrecht Dir. and Prof.

Applied Science, v. *infra*, Affiliated Instns.

* Member of the Association of Universities of the British Commonwealth.

Art, History of
Randall, L. V. Asst. Prof.

Biology
Prat, H., D.Sc. Paris Prof.
Fournier, Abbé O. Prof.
Bellemare, E.-E., L.Sc.Nat. Assoc. Prof.
Prévost, G., D Sc. Assoc. Prof.
Beaudry, J.-R., M.Sc. McG., Ph.D. Wis., L.Sc.A. Assoc. Prof.
Robert, Rev. A , L.Sc.Nat., L.Péd. Asst. Prof.
Demers, J.-M., D.Sc. Laval, L.Sc.A. Asst. Prof.

Botany
Brunel, J., L.Sc. Prof.
Gauthier, R., L.Sc. Prof.

Associate Professors
Cailloux, M.
Rouleau, E., L.Sc.Nat.

Assistant Professor
Champagne, A., L.Sc.Nat.

Canadian Literature
Sideleau, Canon A., L. ès L. Paris Dean and Prof.

Chemistry, v. also *infra*, Affiliated Instns.

Professors
Barré, R., D.Sc. Paris.
Lortie, L., D.Sc. Paris. F.R.S.C.
Lemay, L., M.Sc. (on leave).
Piché, L., L.Sc.Chim., D.Sc.

Associate Professors
Cartier, P., L.Sc.
Rinfret, M., L.Sc.
Bouthiller, L.-P., M.Sc.

Assistant Professors
Perron, Y.
Bourgon, M., L.Sc.chim., M.Sc.
Steyermark, P., L.Sc. Louvain.
Favre, H., D.Sc. tech. Zür.
Heumann, W., D.Sc.
Rivest, R., B.Sc. chim., D.Sc.

Classics
de Groot, J., D.Lett. Utrecht Dir. and Prof.

Commerce, v. *infra*, Affiliated Instns.

Dentistry, v. *infra*

Economics, v. *infra*, Soc. and Polit. Science

Engineering, v. *infra*, Affiliated Instns.

English Language and Literature
Greenwood, T., M.A. Lond., L.Lett. Paris, D.Sc. Ott., D.Lett Dir. and Prof.

Assistant Professors
Birch, T.-A., M.A. Leeds, D.Ped.
MacPeak, Miss H., B.A.
McCracken, E.-J., M.A. McG., Ph.D.
Murphy, J.-A., M.A., Ph.D.

French Language and Literature
Sideleau, Canon A., L.Lett. Paris Dean and Prof.
Houpert, J., M.A. Ill., D.Lett. Prof.
Angers, Rev. P., D.Lett. Louvain, L.Lett. Assoc. Prof.

Assistant Professors
Duhamel, R., B.A.
Gagnon, Rev. E., L.Lett.
Lemoine, Abbé A., L.Lett. Paris, D.Lett.

Geography
Dagenais, P., L.Sc.Com., L. ès Lett. Paris Dir. and Prof.
Brouillette, B., D. de l'U. Paris, L.Sc.Com. Assoc. Prof.
Garry, R., LL.L. Paris Assoc. Prof.
Chouinard, B. Asst. Prof.

Geology, v. also *infra*, Affiliated Instns.
Tiphane, M., B.Sc.A. Laval, M.Sc. McG. Assoc. Prof.

History
Frégault, G., Ph.D. Loyola, L.Lett. Dir. and Prof. of Canadian Hist.

Associate Professors

Brunet, M., Ph.D. Clark, B.Ed., L.Sc.Soc., M.A.
Papillon, Rev. A., D.Th. Angélique.
Séguin, M., L.Lett., D.Lett.
Morin, Rev. C., D.Hist. Pontif. Gregorian Vatican
Asst. Prof.

Hygiene, School of

Frappier, A., M.D., L.Sc., F.R.S.C. Dean and Prof.

Professors

Charbonneau, Gabrielle, B.A., M.Sc.
Charbonneau, J.-H., B.A., M.D.
Foley, A.-R., B.L., M.D., D.H.P.
Gilbert, J., M.D., D.H.P.
Groulx, A., M.D., M.H.P. (E.).
Lafrenière, T.-J., I.C., B.Sc.A., M.Sc.
Panisset, M., B.A., D.V. Alfort, M.V.
Plante, L., B.A., L.Ped., L Sc.S., M.A., M.H.P.
Sylvestre, J.-E., B.Sc., M.D., D.H.P.
Tourangeau, F.-J., B.A., M.D., D.H.P., C.H.P.
Valois, A. B., B.A., M.D., M.H.P.

Associate Professors

Archambault, J., B.A., I.C., D.Sc.A.
Beaupré, B., B.A., B.Sc.A., I.P., M.A.Sc., M.Sc.
Bourbonnais, G., I.C., B.Sc.A.
Brien, J.-A., M.D., M.H.P.
Charest, G., M.D., D.P.H., M.P.H.
Côté, Miss L., I.H.L., B.A., L.S.P.
Cyr, R., B.A., I.C., B.Sc.A.
Forté, L., B.Pharm., L.Sc., M.Sc.
Genest, P., D.M.V., D.Sc.Nat.
Girard, A., B.Sc., M.A.
Landreville, A., B.A., M.D., M.H.P.
Marcotte, J.-E.-A., M.D.
Plamondon, S., I.C., B.Sc.A., M.Sc.
Primeau, B., B.A., M.D., M.P.H.

Assistant Professors

Boutin, J.-R., B.A., M.D.
Pavilanis, V., M.D. Kaunas.
Vézina, N., B.A., M.D.

Journalism, v. *infra*, Soc. and Political Science

Law, v. *infra*

Linguistics, Phonetics and Philology

Vinay, J.-P., L.Lett. Paris, M.A. Lond. Dir. and Prof.

Assistant Professors

Bergeron, R., M.A.
Charbonneau, Abbé R.
Chauvin, R., L Lett.
Lefebvre, G., M.A.
Penverne, Mrs. J.-J.

Mathematics

Gauthier, A., M A. Col., L.Sc. phys., L.Sc. Math., F.R.S.C. Prof.
L'Abbé, M., M.A., Ph.D. Prin., L.Sc. Math. Assoc. Prof.

Assistant Professors

Brossard, R., L.Sc.Math., M.Sc.
Fox, F., M.A. Br. Col.
Munier, F., M.A. Brown, L.Sc. Math.
St-Pierre, J., L.Sc.Phys., L.Sc. Math., M.Sc.
Maranda, J., M.A. Tor., B.Sc. Math.

Lecturers

Courtemanche, A., L.Sc.Math., L.Sc.Phys.
Hébert, H., B.Sc.Math.

Medicine, v. *infra*

Mineralogy, v. Geology and *infra*, Affiliated Instns.

Modern Languages (German, Spanish and Italian)

Carderera, A., LL.L. Madrid Assoc. Prof.
Valentino, A., D.Lett. Perugia Asst. Prof.

Music, v. also *infra*, Attached Instns.

Profs. and Asst. Profs.
Aubut, Miss F.
Boulanger, R.
Champagne, C.
Cornellier, A.
Dagenais, A.
Descarries, A.
Duhamel, R.
Fortier, Abbé E.
Laurencelle, M.
Lavigne, J.
Leclerc, H.
Letendre, C.
Martel, J.
Morin, C.
Papineau-Couture, J.
Rioux, B.
Séguin, Rev. C.
Tanguay, G.-E.
Vallerand, J.

Pharmacy
Larose, A.-F., D.Phm. Dean and Prof.

Professors
Barré, R., B.Phm., D.Sc.
Labarre, J., B.Phm., D.Sc.
Letourneau, M., B.Phm.

Associate Professors
Larose, R., B.Phm.
Martin, E.-A., L.Phm., M.Sc.
Plourde, R., B.Phm.
Riopel, P., B.Phm., M.Sc.

Assistant Professors
Chicoine, R.
Coderre, E.
Geoffrion, B.
Lord, R.
Martel, H.

Philosophy, v. *infra*

Physics
Rouault, M., B.A., L.Sc.Math., L Sc.Phys., D.Sc. Paris Prof.
Demers, P., M.Sc., D.Sc.Phys. France, L.Sc.Math. and Phys., F.R.S.C.

Associate Professors
Bélair, R., L.Sc.Chim. and Phys.
Demers, J., L.Sc.
Lorrain, P , M.Sc., Ph.D. McG.
Robillard, Abbé H., B.A., L.Sc. Phys.

Assistant Professor
Labonté, Rev. G., L.Sc.Phys., L.Th., L.Ph.

Physiology and Pharmacology
Robillard, E., M.D. Prof.
Lussier, J. J., Ph.D. Camb., M.D. Assoc. Prof.

Assistant Professors
Beaulieu, R., M.D.
D'Iorio, A., M.D.
Lussier, J.-P., D.D.S.

Slavic Studies
Domaradzki, T.-F., L.Ph. Warsaw, D.Lett. Rome Dir. and Prof.
Zaleski, Abbé M., Ph.D. Warsaw Assoc. Prof.
Babinski, W., D.Sc.soc. Munich. Assoc. Prof.

Assistant Professors
De Meyer, A.
Havelka, J., D.Ph. Milan.
Kirscbaum, J., LL.D. Bratislava, M.A.
Litwinovicz, V., L.Lett. Warsaw, D.Lett. Rome.
Rabcewicz-Aubkowski, L., LL.D. Paris.
Radwanski, P., L.Ph., D.Sc. Cracow
Roussow, G., Ph.D. Vienna.
Sangowicz, M., Ph.D. Frib.
Truska, C., LL.L. Kaunas, M.A.
Walter, E., D.Sc.P. Bud.

Social and Political Science and Economics
Minville, E., L.Sc.Com., dip. Éc.Sc.pol. Paris, F.R.S.C. Dean and Prof.

Professors

Dehem, R., D.Sc., écon., L.Sc. pol. et soc., L.Sc. Com. et fin. Louvain.
Gouin, Hon L. M., LL.D., D.S.P., F.R.S.C.
Guillemette, Rev. A. M., LL L. Laval, L.Th., L.S.P. Louvain.

Assoc. Profs. and Asst. Profs.

Angers, Fr. A., L.Sc. Com.
Bédard, G.
Benoit, E., L.S.P.
Blais, J., M.R.I.
Blanchard, Y., D.Ph.
Brouillette, B., D.Geog. Sorbonne, L.Sc.Com.
Brizard, L. P., M.R.I.
Bruchési, J., LL.L., D.S.P., Dip. Sc. politiques Paris, F.R.S.C.
Cardin, J.-R., M.R.I.
Casgrain, J., Ph.D. Lond., LL.L.,
Chaussé, F., LL.L., L.S.P.
Cornez, J., LL.L., L.S.P.
Delorme, J., L.Sc.Com.
Desrochers, Rev. I., M.A. Fordham.
Fauteux, N., LL.L., D.S.P.
Garry, R., LL.L. Paris, dip. ét. sup. en droit, Paris.
Gauvreau, J.-M., D.S.P., F.R.S.C.
Godbout, J., Dipl.S.S.
Govenlock, Abbé S., L.Th., M.S.S.W.
Jolicœur, F., M.Sc. Soc. Laval.
Lacoste, Abbé N., L.Th., L.Sc. pol.soc. Louvain.
Lavigne, J., D.Ph.
Leduc, A., LL.L., D.S.P.
Leduc, Y., LL.L., L.S.P.
Lemieux, G., M.Sc.Soc. Laval, M.S.S.
Lemieux, R., M.D.
Letourneau, F., B.S.A., D.S.P.
Mailhiot, C., D.Ps.
Mailhiot, Rev. M. B., A.M. Harv., S.Th.L.
Marchand, Miss F., B.A., Dip.S.S. McG.
Marier, R., LL.L. Laval, M.S.S.W.
Martin, G., L.S.P.
Mathieu, Abbé C., L.Th., L.Sc. soc.pol. Louvain.
Mathieu, Miss M., B.S.W. McG.
Montpetit, Hon. Juge A., LL.L.
Paré, Miss S., L.Sc.soc. Laval, M.Sc. (Groupwork) Pitt.
Parenteau, R., L.Sc.com.
Peck, Miss M., M.A. Oxon., M.S.S.W. McG.
Primeau, B., M.H.P. Harv., M.D.
Rousseau, Miss C., B.A., M.S.S.
Sainte-Marie, J., L.Sc.com.
Sauriol, P., L.S.P., dip. journalism.
Séguin, M., L.Lett., D.Lett.
Zay, N., LL.D., L.Sc. pol. Bud., M.S.S.

Dentistry

Anæsthetics

Charron, E., D.D.S., F.I.C.D., F.A.C.D., F.D.S.R.C.S. Dean, Prof.
Raymond, A., D.D.S. Assoc. Prof.
Clermont, M., M.D., F.I.C.A. Lectr.

Crown and Bridge Prosthesis

Robichaud, H.-M., D.D.S. Assoc. Prof.
Trottier, J.-P., D.D.S., M.Sc.Dent. Assoc. Prof.

Dental Anatomy

Gauthier, G., D.D.S., F.A.C.D. Prof.
Bussières, J., D.D.S. Assoc. Prof.

Dental Hygiene

Bouillon, J. C., D.D.S. Asst. Prof.

Dental Metallurgy

Patenaude, C., D.D.S. Assoc. Prof.

Dental Pathology

Racey, A.-G., D.D.S., F.A.C.D. Assoc. Prof.

Dental Prosthesis

Nadeau, J., D.D.S. Assoc. Prof.
Patenaude, C., D.D.S. Assoc. Prof.

Dental Surgery

Demontigny, G., D.D.S., M.Sc. Dent., F.I.C.D. Prof.
Raymond, A., D.D.S. Assoc. Prof.
Genest, A., M.D., D.D.S. Lectr.

Diagnosis and Radiology

L'Archevêque, A., D.D.S. Prof.
Fontaine, J. N., D.D.S. Asst. Prof.

Ethics

Archambault, C., D.D.S., M.Sc. Dent. Assoc. Prof.

History of Dental Surgery

Fortier, A., D.D.S., F.I.C.D. Assoc. Prof.

Materia Medica

Lachapelle, J.-P., D.D.S. Assoc. Prof.

Operative Dentistry

Deschênes, G.-H., D.D.S. Assoc. Prof.
Tremblay, V., D.D.S. Asst. Prof.
Yergeau, J., D.D.S. Asst. Prof.

Orthodontics

Geoffrion, P., D.D.S., F.I.C.D., F.A.C.D. Prof.

Pedodontics

Charpentier, J. L., D.D.S. Prof.

Periodontics

Pelletier, R., F.R.S.A. Assoc. Prof.

Law

Air Law

Mateesco, N., LL.D. Paris Asst. Prof.

Civil Law

Brossard, Hon. A., LL.L. Prof.
Caron, M., LL.D. Prof.
Mayrand, A., LL.L. Prof.
Beetz, J., LL.L. Asst. Prof.
Cardinal, J. G., LL.L. Asst. Prof.
Martineau, P., LL.L. Asst. Prof.

Civil Procedure

Bissonnette, Hon. B., LL.D. Prof.
Ferland, P., LL.D., Asst. Prof.
Perreault, C., LL.D. Asst. Prof.
Tremblay, L., LL.D. Asst. Prof.

Commercial Law

Perreault, J., LL.D. Prof.

Commercial Legislation

Filion, J., LL.L. Asst. Prof.

Constitutional Law

Bissonnette, Hon. B., LL.D. Prof.

Criminal Law

Lagarde, I., LL.L. Prof.

Economics

Carignan, P., LL.L. Asst. Prof.

Ethics

Poisson, Rev. Père P. Asst. Prof.

History of Law

Comtois, R., LL.L. Assoc. Prof.

Industrial Legislation

Brossard, Hon. R., LL.L. Prof.

Insurance

Mercier, F., LL.L. Asst. Prof.

International Law

Gouin, Hon. L.-M., LL.D. Prof.

Maritime Law

Montpetit, Hon. A., LL.L. Asst. Prof.

Municipal Law

Prévost, Hon. C., LL.B. Prof.

Notarial Procedure

Faribault, M., LL.D. Prof.
Comtois, R., LL.L. Assoc. Prof.

Roman Law

Carignan, P., LL.L. Asst. Prof.

Medicine

(for subjects of the first 2 yrs.—Anat., etc., v. *supra*)

Anæsthesia

Longtin, L., M.D. Assoc. Prof.

Assistant Professors

Cousineau, G., M.D.
Dubeau, M., M.D.
Fortin, G., M.D.
Lamoureux, L., M.D.
Légaré, M., M.D.
Legault, L., M.D.
Letienne, R., M.D
Marsolais, A., M.D.
Rochette, R., M.D.

Bacteriology

Frappier, A., M.D. Prof.
Bertrand, A., M.D. Prof.
Fredette, V., B.Pharm., D.Sc. Assoc. Prof.
Gauthier, P.-P., M.D. Assoc. Prof.
Martineau, B., M.D. Asst. Prof.
Sonea, S., M.D. Asst. Prof.

Biochemistry

Bouthillier, L. P., L.Sc., M.Sc., Ph.D. Assoc. Prof.
Gagnon, A., M.D., L.Sc. Assoc. Prof.
Gosselin, G., M.D., L.Sc. Assoc. Prof.
Bouziane, N., M.D. Asst. Prof.

Deontology and Medical Ethics

Pepin, J.-R., M.D. Prof.
Paquin, Rev. J. Prof.

Dermatology and Syphilology

Marin, A., M.D. Prof.
Poirier, P., M.D. Assoc. Prof.

Assistant Professors

Blais, R., M.D.
Foisy, J.-P., M.D.
Lambert, A., M.D.
Leclerc, G., M.D.
Turgeon, P., M.D.

Experimental Medicine and Surgery

Selye, H., M.D., Ph.D. Prague, D.Sc. McG., F.R.S.C. Prof.
Robert, A., M.D. Asst. Prof.

Gynæcology

Gérin-Lajoie, L., M.D. Prof.

Associate Professors

Magnan, A., M.D.
Meunier, P., M.D.
Simard, Raymond, M.D.

Assistant Professors

Gauthier, J., M.D.
Ouimet, C., M.D.
Simard, Roland, M.D.

Histology and Embryology

Bonin, W., M.D. Dean and Prof.
Frappier, J., M.D. Assoc. Prof.

Assistant Professors

Bélanger, Y., M.D.
Poirier, L., M.Sc., Ph.D. Mich., M.D.
Rémillard, G., M.D.

Legal Medicine and Toxicology

Fontaine, R., M.D. Prof.
Roussel, J.-M., M.D. Assoc. Prof.

Materia Medica

Dufresne, R., M.D. Prof.

Medicine

Professors

Prévost, J., M.D.
Dussault, R., M.D.
de Guise, A., M.D.
Boucher, R., M.D.
Pepin, J.-R., M.D.
Grignon, C., M.D.

Associate Professors

Archambault, P.-R., M.D.
Chaput, Y., M.D.
Dumas, P., M.D.
Fortier, L., M.D.
Gatien, R., M.D.
Gratton, A., M.D.
Hébert, G., M.D.

Lefebvre, R., M.D.
Letendre, P., M.D.
Morin, P., M.D.
Morissette, L., M.D.
Robert, P., M.D.

Assistant Professors
Baillargeon, B., M.D.
Bélisle, M.
Bernier, J., M.D.
Blais, A., M.D.
Casgrain, G., M.D.
Cléroux, A., M D.
David, P., M.D.
Derome, L., M.D.
Dontigny, P., M.D.
Durivage, J., M.D.
Fournier, G., M.D.
Garon, G., M.D.
Grégoire, F., M.D.
Grignon, J., M.D.
Joncas, F., M.D.
Lebel, L., M.D.
Legendre, J.-H., M.D.
Léger, J., M.D.
Long, L., M.D.
Longtin, Madeleine, M.D.
Mackay, A., M.D.
Manseau, O., M.D.
Marion, P., M.D.
Morin, G., M.D.
Prud'homme, J., M.D.
Robillard, R., M.D.
Rolland, R., M.D.
Séguin, F., M.D.

Neurology and Psychiatry
Saucier, J., M.D. Prof.

Associate Professors
Amyot, R., M.D.
Côté, F., M.D.
Desrochers, J.-L., M.D.
Larivière, P., M.D.
Loignon, G., M.D.

Assistant Professors
Genest, R., M.D.
Vásquez, J., M.D.

Obstetrics
Marion, D., M.D. Prof.
Bélanger, G., M.D. Prof.

Associate Professors
Cailloux, R., M.D.
Le Roy, A., M.D.
Tétrault, J., M.D.

Assistant Professors
Attendu, C.-A., M.D.
Dansereau, A., M.D.
Ducharme, G., M.D.
Ferron, M., M.D.
Fortier, J., M.D.
Gagnier, M., M.D.
Gagnon, J., M.D.
Gibeault, H., M.D.
Journet, L., M.D.
Lamothe, A , M D.
Manseau, A., M.D.
Ricard, H., M.D.
Sansregret, E., M.D.

Ophthalmology
Badeaux, F., M.D. Prof.

Associate Professors
Blain, E., M.D.
Brault, J., M.D.

Assistant Professors
Cloutier, R., M.D.
Gélinas, L., M.D
Henry, F., M.D.
Pellerin, R., M.D.
Perron, L., M.D.

Oto-Rhino-Laryngology
Montreuil, F., M.D. Assoc. Prof.

Assistant Professors
Berthiaume, C. A., M.D.
Blais, R., M.D.
Brahy, J., M.D.
Dubuc, H., M.D.
Guertin, P., M.D.
Latraverse, V., M.D.
Legrand, H., M.D.
Mathieu, C., M.D.

Pædiatrics
Charbonneau, H., M.D. Prof.

Associate Professors
Guilbeault, A., M.D.
Labrecque, R., M.D.
Royer, A., M.D.

Assistant Professors
Benoit, R., M.D.
Bombardier, J.-P., M.D.
Duplessis, J., M.D.
Gauthier, L.-J., M.D.
Huard, G., M.D.
Larivière, P.-M., M.D.
Léonard, C., M.D.
Léveillé, A., M.D.
Major, W., M.D.
Martel, J.-A., M.D.
Morin, G., M.D.
Piette, J., M.D.
Trudel, H., M.D.

Phthisiology
Associate Professors
Hébert, F., M.D.
Millet, J.-A., M.D.
Paquette, P., M.D.
Pilon, J.-L., M.D.

Assistant Professors
Laurier, R., M.D.
Verschelden, M., M.D.

Radiology
Jutras, A., M.D. Prof.

Associate Professors
Brodeur, P., M.D.
Dufresne, O., M.D.
Pinsonnault, G., M.D.

Assistant Professors
Léger, J.-L., M.D.
Longtin, M., M.D.
Vallée, A., M.D.
Vallée, Y., M.D.

Surgery
Professors
Bruneau, J., M.D.
Desjardins, E., M.D.
Dubé, E., M.D.
Hébert, C., M.D.
Lefrançois, C., M.D.

Associate Professors
Archambault, F., M.D.
Bernard, L., M.D.
Couturier, A., M.D.
Deshaies, G., M.D.
Favreau, C., M.D.
Marchildon, P., M.D.
Paré, A., M.D.
Ricard, P.-M., M.D.
Rivard, J.-H., M.D.
Smith, P., M.D.
Tremblay, J., M.D.

Assistant Professors
Archambault, L., M.D.
Béique, L., M.D.
Bégin, B. G., M.D.
Bergeron, L., M.D.
Bertrand, C., M.D.
Bisson, C., M.D.
Cabana, J.-E., M.D.
Cartier, G.-E., M.D.
Champoux, R., M.D.
Cholette, J.-P., M.D.
Cloutier, G., M.D.
Décarie, R., M.D.
Dionne, L.-R., M.D.
Gagnon, E., M.D.
Gariépy, R., M.D.
Grignon, R., M.D.
Lamoureux, M., M.D.
Parenteau, A., M.D.
Roux, R., M.D.
Senécal, L.-P., M.D.
Saint-Onge, G., M.D.

Urology
Bourgeois, P., M.D. Prof.

Associate Professors
Bourque, J.-P., M.D.
Legault, J.-P., M.D.

Assistant Professors
Charbonneau, J., M.D.
Fournier, L., M.D.
Sylvestre, L., M.D.

Philosophy

Régis, T.R.P. L. M., S.Th.L.
LeSaulchoir, D.Ph., F.R.S.C.
Dean and Prof.

(*a*) *Dept. of Philosophy*
Professors
Décarie, V., D.Ph.

Lachance, T.R.P. L., D.Ph., S.Th.M.
Landry, Rev. A. M., D.Ph., S.Th.L.
Martinelli, L., L.Ph.
Sylvestre, Rev. A., D.Ph.
Voyer, Rev. R.-M., S.Th.L., dip. Phil.Sc. Fribourg.

Associate Professor
Lacoste, P., D. de l'U. Paris, L.Ph.

Assistant Professors
Ambacher, M., L.Ph. Inst. Cath. de Paris, L. ès lett. phil., dipl. ét. sup. phil. and sc., dipl. biol.
Eschmann, Rev. I. Th., D.Th. Rome.
Geiger, Rev. L.-B., S.Th.L., D.Ph.
Hincz, M. V., Ag. Bud.
Klibansky, R., M.A Oxon., D.Ph. Heidel
Lortie-Lussier, Mrs. Monique, B.Ph , B.Psy
O'Connor, A.-G., B.Sc., M.A., Ph.D.
Vignaux, P., agrégé de phil. Sorbonne, Dir. of studies École des Hautes Études, Sorbonne.
Wiercinski, Abbé S., D.Th., L.Ph.

(*b*) *Institute of Mediæval Studies*
Audet, Rev. Th.-A., S.Th.L. Ott., L.Th. Wash. Dir. and Prof.
Décarie, V., M.A., Ph.D.
Landry, Rev. A. M., L.Th.L. Ott., Ph.D.
Papillon, Rev. A., S.Th.L. Ott., D.Th. Rome.
Régis, T.R.P. L.-M., S.Th.L. LeSaulchoir, Ph.D., F.R.S.C.

Associate Professors
Bérubé, Rev. C., Ph.D. Rome.
Lacroix, Rev. B.-M., S.Th.L., Scientt. Medievv. D. Tor.
Pilon, Rev. P.-M., S.Th.L. Ott., Jur.Can.Lic. Laval.

Assistant Professors
Bazin, J., L. ès Lett. Sorbonne, dip. Inst. d'art et d'archéologie Paris.
Denburg, C., Ph.D.
Desautels, Miss A
Fichet, Mrs. J., dip. d'archiviste-paléographe, cert. de Lic. en Hist. du Moyen-Age, Sorbonne.
Giguère, Rev. R.-M., Scientt. Medievv. Lic., dip. bibl.
Randall, L. V.

(*c*) *Institute of Psychology*
Mailloux, Rev. N., S.Th.L., D.Ph. Dir. and Prof.
Pinard, Rev. A., S.Th.L., L.Ps. Prof.

Associate Professors
Barbeau, G.-L., D.Ps.
Beausoleil, Rev. J., S.Th.L., D.Ps.
Bélanger, D., M.A., L.Ps.
Clerk, Mrs. G., D.Ph. Ps.
Décarie, Mrs. V., L.Ps.
Lavoie, G., L.Ps.
Lussier, A., L.Ps.
Mailhiot, Rev. B., S.Th.L., M.A.
Marcotte, J.-E., M.D.

Assistant Professors
Dubreuil, G., M.A.
Luthe, W., M.D.
Salman, Rev. P. D. H., D.Ph., S.Th.L.

Theology

Fournier, Rev. R., D.Th. Dean and Prof.

Professors
Bolté, P.-E., D.Th., L.S.S. Laval.
Charron, Y., D.Th. Rome.
Desrosiers, J.-B., D.Th., D.Ph. Rome.
Ferland, A., D.Th., D.Ph. Rome.
Gagnon, E., D.D.C. Laval, D.Th.
Lesieur, R., D.Th. Rome.
Sauvé, I., D.Ph. Rome, L.Th.
Yelle, G., D.Th. Rome.

Associate Professor
Fecteau, R., D.Th.

Assistant Professors
Belcourt, E., D.D.C.
Brosseau, R., L.Th.
Bulteau, G.-M., L.E.S. Rome, L.Th.
Dorris, R., D.Th. Rome.
Labrecque, C., M.A. Oxon.
Lalande, G., L.Ch. Gr.
Ledit, Rev. J., M.A., Ph.D.
Ménard, J., D.Th., L.E.S.
Tanguay, O., L.Th.

ADMINISTRATIVE AND OTHER STAFF

Chaplain: Rev. P. Grégoire. Treasury: P.-P. Huot, Asst. Treasurer. Internal Auditor: J. N. Domey. Accounting: R. Beaulne. Maintenance of Bldgs.: R. Bureau, Ing.P. Purchasing: G. Bourgeois. Auxiliary Services: J.-E. Rémillard. Students' Association: L. Julien.

AFFILIATED INSTITUTIONS

AGRICULTURAL INSTITUTE, La Trappe, Oka, Que. (*Telephone*: La Trappe, Oka 989), about 30 miles from Montreal, founded 1893 by the Trappist Fathers of Oka. Director—R.P. Norbert, L.S.A. 38 other staff for: Agr. Botany; Animal Biology and Hygiene; Animal Pathol. and Bact.; Apiculture; Aviculture; Buildings and Accounts; Chemistry, Geol. and Mineral.; Dairying; Entomol.; Food Preservation; French Fruit and Flower Gardening; Kitchen Gardening; Large-scale Farming and Machinery; Maths.; Physics; Physiol.; Polit. Econ.; Soils; Rural Econ., etc.

COMMERCE. SCHOOL OF HIGHER COMMERCIAL STUDIES, 535 Viger Ave., Montreal, 24, Que. (*Telephone*: Montreal, Plateau 3486.) Created by the Provincial Govt. in 1907. Director—Prof. E. Minville. 16 other Profs., 8 Assoc. Profs., 41 Asst. Profs. for: Accountancy; Banking; Customs Legislation; Economics; English; French; Geography; Economic Geog.; German; History; Insurance; Italian; Law, Comml. and Indust.; Maths.; Philosophy; Physics; Publicity; Spanish, etc.

APPLIED SCIENCE, including Engineering. POLYTECHNIC SCHOOL, 1430 St-Denis St., Montreal, 18 (*Telephone*: Montreal, Marquette 5311), which was founded in 1874, is subsidized by the Govt. of the Province of Quebec and the principal Railways of the Dominion. Principal—Ignace Brouillet. Director—Henri Gaudefroy. 16 Profs., 15 Assoc. Profs., 38 Asst. Profs. and others for: Architecture; Chemistry; Electricity; Electro-technics; Engineering—Civil, Elect., Mech. and Sanit.; Geology; Geometry; Graphical Statistics; Hydraulics; Industrial Chem.; Industrial Legislation; Machine Drawing; Maths.; Mineral.; Petrology; Physics; Public Works; Railways; Strength of Materials; Thermodynamics.

SECONDARY OR CLASSICAL STUDIES. 25 Colleges for boys are affiliated to the Univ. under conditions providing for a 4 yrs.' High School course followed by a 4 yrs.' Coll. or Arts course, on the completion of which a student may qualify by examn. for a B.A. degree admitting him to professional studies in the Univ. The Collège Marguerite Bourgeoys and 7 other Colleges provide similar College or Arts course for girls.

PEDAGOGICAL INSTITUTE, 4873 Westmount Av., Montreal, 6. (*Telephone*: Montreal, Fitzroy 7388.) Directress—Sœur Sainte-Madeleine du Sacré-Cœur.

ST. GEORGE PEDAGOGICAL INSTITUTE FOR MEN, Mont-de-la-Salle, Laval-de-Rapides, 9. (*Telephone*: Montreal, Montcalm 4-3200.) Founded 1919. Director—R. F. Luc.

MARGUERITE D'YOUVILLE INSTITUTE (a higher school of nursing), 1185 Saint-Mathieu St., Montreal, 25. (*Telephone*: Montreal, Fitzroy 1182.) Directress—Sœur Denise Lefebvre.

OPTOMETRY. 2900 Mont-Royal Blvd., Montreal, 26. (*Telephone*: Montreal, Regent 8-7311.) Director—Alfred Mignot. 21 other Profs., Assoc. Profs., and Assts.

VETERINARY SCIENCE. School of Veterinary Science, Saint-Hyacinthe, Que., about 35 miles from Montrealf; founded in 1886. (*Telephone*: Saint-Hyacinthe 4-8343.) Director—G. Labelle, D.M.V. 5 Profs., 9 Assoc. Profs, 17 Asst. Profs. and others.

NORMAL SCHOOL FOR SECONDARY TEACHING, 3880 Chemin de la Côte-des-Neiges, Montreal, 25. (*Telephone*: Montreal, Fitzroy 8813.) Director—Rev. G. Perras.

INSTITUTE OF FAMILY PEDAGOGY AND HOME ECONOMICS, 1410 Mont-Royal Blvd., Outremont, 8. (*Telephone*: Montreal, Victoria 2016.) Directress—Sœur Marie-Donalda.

ATTACHED INSTITUTIONS (ÉCOLES ANNEXÉES)

NAZARETH INSTITUTE (Music School for the Blind), 1460 Chemin de la Côte-Saint-Michel. (*Telephone*: Montreal, Dupont 8-4277). Directress—Sœur Cécile Desilets. 13 other teachers.

VINCENT D'INDY SCHOOL (a higher school of music), 1410 Mont-Royal Blvd., Outremont, 8. (*Telephone*: Montreal, Talon 1215.) Directress—Sœur Marie-Stéphane. 32 other teachers.

HIGHER SCHOOL OF MUSIC OF THE INSTITUTE OF THE SISTERS OF ST. ANNE, Lachine, 32, P.Q. (*Telephone*: Montreal, Nelson 5-0384.) Directress—Sœur Marie-Héloïse. 10 other teachers.

SCHOOL OF MUSIC OF THE COLLEGE MARIE DE L'INCARNATION, Trois-Rivières, P.Q. Directress—Sœur Marie-Immaculée. 9 other teachers.

SCHOOL OF MUSIC OF THE SISTERS OF THE ASSUMPTION, Nicolet, P.Q. Directress—Sœur Cecile de-la-Trinité. 7 other teachers.

SCHOOL OF MUSIC OF THE SISTERS OF LA PRÉSENTATION-DE-MARIE OF ST. HYACINTHE, Saint-Hyacinthe, P.Q. Directress—Sœur Marie-Noélie. 8 other teachers.

HOME ECONOMICS, 9 schools.

SCHOOL OF FAMILY AND SOCIAL EDUCATION, 5035 De Laroche St., Montreal, 34. (*Telephone*: Montreal, Dollard 1445.) Directress—Sœur Marie Gérin-Lajoie. 38 other teachers.

SCHOOL FOR TOURISTS' GUIDES (History of Montreal), 2900 Mont-Royal Blvd., Montreal, 26. (*Telephone*: Montreal, Regent 7-6561). Director—Fernand Delhaes. 10 other teachers.

LASALLE CONSERVATORY, French elocution and oratory, 5603 Canterbury Av., Montreal, 26. (*Telephone*: Montreal, Regent 8-1406.) Director—G. Landreau. 6 teachers.

LIBRARY SCHOOL, 25 St. James East, Montreal, 1. (*Telephone*: Montreal, Plateau 8335.) Director—L.-P. Desrosiers. 17 other teachers.

PIUS XI INSTITUTE, 2065 Sherbrooke West, Montreal, 25. (*Telephone*: Montreal, Fitzroy 1650.) Director—J. B. Desrosiers. 21 other teachers.

INSTITUTE OF DIETETICS AND NUTRITION, 2900 Mont-Royal Blvd., Montreal, 26. (*Telephone*: Montreal, Regent 8-9451.) Attached to the Faculty of Medicine. Directress—Rachel Beaudoin. 8 other teachers.

INSTITUTE OF TRANSLATION, 410 Wiseman St., Montreal, 8. (*Telephone*: Montreal, Dollard 5879.) Directress—Jeanne Grégoire. 6 other teachers.

INSTITUTE OF MEDICAL TECHNOLOGY, Gamelin (Laval), P.Q. (*Telephone*: Montreal, Clairval 4021.) Directress—Sœur Camille-de-Jésus.

RADIUM INSTITUTE, 4120 Ontario St. East, Montreal, 4. (*Telephone*: Montreal, Frontenac 3151.) Director—O. Dufresne, M.D. Founded 1922, affiliated to the Radium Institute in Paris 1923. Hospital attached.

INSTITUTE OF MICROBIOLOGY AND HYGIENE, 2900 Mont-Royal Blvd., Montreal, 26. (*Telephone*: Montreal, Regent 3-5394.) Founded in 1938. Director—A. Frappier, M.D.

INSTITUTE OF EXPERIMENTAL MEDICINE AND SURGERY, 2900 Mont-Royal Blvd., Montreal, 26. (*Telephone*: Montreal, Regent 8-9451.) Director—Dr. H. Selyé.

GENERAL INFORMATION

Originally established in Montreal in 1876 as a branch of Laval Univ., the University of Montreal became autonomous in 1920, under a special Act of the Legislature of the Province of Quebec subsequently revised in 1950 (*see also Yearbook* for 1929). It also enjoys certain privileges under a papal charter dating from 1919, is Roman Catholic in outlook and four out of the twelve Members of its Bd. of Governors are appointed by the Roman Catholic Hierarchy. The remaining eight Governors are French-Canadian business personalities. The Bd. is self-perpetuating. Financial affairs are under the direct supervision of an Executive Committee composed of five Governors, and pedagogical matters are determined by a Commission on Studies composed mainly of the Deans of the different Faculties.

Through affiliated Institutions, *see above*, as well as by itself, the Univ. caters for the educational needs of over 12,000 students, over 3000 of whom attend courses and lectures in the bldgs. of the Univ. proper.

The Univ. is owner in freehold of several acres on the western slope of Mont-Royal. The present bldgs. were erected between 1937 and 1941, at a cost of over $12,000,000. In 1947–48, an additional $12,000,000 was raised through public subscriptions for the purpose of completing and extending the present facilities, including the completion of the Hospl. (originally planned for 500 beds), a Union bldg., dormitories and a Sport Centre for the students, plus a pension fund for the professors and personnel.

LIBRARY, 275,000 vols. Each Faculty and School has the necessary teaching collections and laboratories.

FACULTIES AND DEANS, *see* p. 824.

DEGREES. B.Ph. in Psychology or Mediæval Studies, 1 yr.; B.Ph., 1 or 2 yrs.; B.D.S. (B.Mus.), 2 yrs.; B.Th., 3 yrs.; LL.B., 3 yrs.; B.Sc.-N., B.Sc., B.Pharm., B.A., 4 yrs.; L.Th., 1 yr. after B.Th.; L.Ph., 1 yr. after B.Ph.; L.Ph. in Psychology, 2 yrs. after B.Ph. in Psychology; L. ès L., 2 yrs.; LL.L., L.Mus. (sacrée), 3 yrs.; L.Mus. (profane), 4 yrs.; M.D., 5 yrs.; M.A. in Law, 1 yr. after LL.B. or LL.L.; M.A. in Mediæval Studies, 1 yr. after B.Ph.; M.A. in Letters, 1 yr.; M.A. in Philosophy, 1 or 2 yrs.;

M.A. in Psychology, 2 yrs.; M.Sc. in Medicine, 1 yr. after M.D. or B.Sc.; M.Sc.-N., 12 mos. after B.Sc.-N.; M.Sc., 1 yr. after B.Sc.; M.Pharm., 1 yr. after B.Pharm.; M.Sc. Soc., M.R.I. (Industrial Relations), M.S.S. (Social Service), 3 yrs.; M.Mus. (sacrée), 4 yrs.; M.Mus. (profane), 6 yrs.; D.Th., 1 yr. after L.Th.; D.Ph., 1 yr. after L.Ph.; Ph.D. in Philosophy, 1 yr. after L.Ph. or 2 yrs. after M.A.; D.Sc. or Ph.D. in Science, 2 yrs. after M.Sc.; D.Mus., 2 yrs. after M.Mus.; LL.D., 3 yrs. after LL.L.; Ph.D. in Letters, 2 yrs. after M.A.; Ph.D. in Medicine, 3 yrs. after M.D. or B.Sc.; Ph.D. in Mediæval Studies, 3 yrs.; D.Pharm., 3 yrs. after B.Pharm.; Ph.D. in Psychology, D. ès L., D.D.S., 4 yrs.; D.H.P., D.H.D.P., or D.H.V.P., I.H., 1 yr.; L.H., 4 terms; Dipl. d'inf., 3 yrs.

Degrees in the Affiliated Schools. Polytechnic: B.Sc.A., 5 yrs.; M.Sc.A., 1 yr. after B.Sc.A.; D.Sc.A., 3 yrs. after B.Sc.A. Higher Commercial Studies: B.Sc.Com., 2 yrs.; L.Sc.Com., 3 yrs.; L.Sc.Comptables, 1 yr. after L.Sc.Com.: L.Sc.Act., 1 yr. after L.Sc.Com.; D.Sc.Com. Optometry: L.Sc.O., 3 yrs. Agric. Inst. of Oka: B.S.A., 4 yrs.; L.S.A., 4 yrs.; M.S.A. School of Veterinary Science: D.M.V., 6 yrs. Marguerite d'Youville Inst.: B.Sc.Ed.Inf., 2 yrs. Normal School for Secondary Teaching: B.Péd., 1 yr., L. Péd., 2 yrs.; D. Péd., 2 yrs. after L. Péd. St. George Pedagogical Inst.: B.Péd. 1½ yrs.; L.Péd., 2 yrs. after B.Péd.; D.Péd. Pedagogical Inst. (C.N.D.): B.Péd., 4 yrs.; L.Péd., 3 yrs. after B.Péd. (extension course); D.Péd., 2 yrs. after L.Péd. Inst. of Family Pedagogy: B.P.F., 2, 3 or 4 yrs.

FEES 1953–54 (Annual). Theol., $500; Law, $300; Med., $375; Experimental Med. and Surg., $250; Philos., $300; Mediæv. Studies, $300; Psychol., $300; Letters, $300; Sciences, $300; Dental Surg., $375; Pharm., $300; Social Sci., $250; Industrial Relations, $250; Social Service, $250; Music, $250; Hygiene, $275; Polytechnic Sch., $275; Optometry, $350; Sch. of Agric., $300; Vet. Sch., $200; Sch. of Higher Commercial Studies, $150.

ADMISSION REQUIREMENTS. The usual admission prerequisite is a Bachelor of Arts degree in humanities of the University of Montreal or its equivalent. Students residing outside the Province of Quebec must submit full particulars of studies and marks obtained during their B.A. course or towards the securing of any other diploma submitted. For full details *see* the *General Prospectus* and the respective *Prospectus* of each Fac. and School concerned. Enquiries should be addressed to the Secretary-General. *See also* Appendix I.

USUAL LANGUAGE OF INSTRUCTION: French.

VACATION COURSES in French and English Literatures and Languages, Philosophy, Hygiene, Dental Surg., Pure Science, Slavic Studies.

GRADUATES' ASSOCIATION. A.G.D.U.M. (Association Générale des Diplomés de l'Université de M.) 2900 Mont-Royal Blvd., Montreal, 26. (*Telephone*: Montreal, Regent 8-9451.) Sec.—R. Bordeleau.

UNIVERSITY MILITARY FORMATION. Corps-École d'Officiers Canadiens. (C.O.T.C.) Also University Naval Training Division and R.C.A.F. Reserve University Flight.

STUDENTS' UNION. A.G.E.U.M. (Association Générale des Étudiants de l'Université de Montréal.)

PUBLICATIONS. *Annuaire général* (May), *General Prospectus* and Faculty *Prospectuses*; *La Revue trimestrielle canadienne* ($3); *L'Actualité économique* ($3); *L'Action universitaire* ($3).

THE YEAR 1952-53

DEATHS. A. Frigon (President, Polytechnic School); Hon. H. Groulx (Assoc. Prof., Fac. of Pharm.); E. Letellier de Saint-Just (Prof., Fac. of Soc., Econ. and Pol. Sciences); Sir M. Tellier (Hon. grad.); R. Robinson (Assoc. Prof., Polytechnic School); Dr. H. Baril (Assoc. Prof., Fac. of Med.); A. Laliberté (sculptor, Hon. grad.); Hon. A. David (Hon. grad.); P.-L. Pouliot (Assoc. Prof., Polytechnic School); Abbot J. Grémaud (Hon. grad.); J. Dubski (Asst. Prof. Fac. of Letters); Rev. Father R. Bergeron (former Rector of St. Mary Coll.); Dr. J.-B. Delage (former Prof., Fac. of Med.); Sister Catherine de Suède (of the Congregation of SS. NN. de Jésus et de Marie, Hon. grad.); Rev. Father A. Bernier (Dean, Fac. of Music); Abbot J. Dufresne (Prefect of studies, Seminary of Valleyfield).

HONORARY DEGREES. *D. de l'U.*—Josaphat Benoit; Louis Charbonneau; R. F. Clément Cormier; Mgr. Pierre Gardette; Abbot Joseph Grémaud; Gabriel-Louis Jaray; Roger Millot; Dr. Louis-Philippe Mousseau; Mgr. Albert Tessier; Paul Vignaux *Law*—Robert-Louis LeBalle; Maurice Picard. *Science*—Édouard Calvet; C. J. Mackenzie. *Dentistry*—Dr. Robert Vivian Bradlaw. *Public Hygiene*—Dr. Jean Grégoire.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	6446	2211
Women	3799	3651
Total	10,245	5862

Postgraduate students, 421.

DEGREES. *Agric.*: L.S.Agr., 8; B.S.Agr., 8; *Arts*: B.A., 841; *Comm.*; L.Sc.Com., 38; B.Sc.Com., 7; *Dent.*: D.D.S., 55; B.D.S., 14; *Educ.*: L.Péd. 47; B.Péd., 27; *Engin.*: M.Sc.A., 2; B.Sc.A., 79; *Hyg.*: D.H.P., 5; L.H.P., 7; I.H., 38; *Law*: M.A. (Law), 4; LL.L., 36; LL.B., 43; *Letters*: D.Lett., 4; M.A., 45; L.Lett., 7; *Med.*: M.D., 98; Ph.D., 3; M.Sc., 1; B.Sc. (tech. méd.), 38; B.Sc.-N., 6; B.Sc.Inf., 11; *Music*: M.Mus., 8; B.Mus., 24; *Optometry*: L.Sc.O., 26; *Pharm.*: B.Pharm., 93; *Philos.*: D.Ph., 3; L.Ph., 6; M.A. (phil.), 1; B.Ph., 4; L.Ph. (Mediæval Studies), 1; B.Ph. (Med. Studies), 4; D.Ph. (psych.), 1; L.Ph. (psych.), 7; M.Ph. (psych.), 6; B.Ph. (psych.), 15; *Sci.*: D.Sc., 8; M.Sc., 8; B.Sc., 47; *Soc. and Polit. Sci*: B.Sc.Soc., 1; M.R.I., 6; M.S.S., 10; *Theol.*: D.Th., 1; L.Th., 27; B.Th., 42; *Vet. Med.*: D.M.V., 24.

[*Information compiled as at* 3/7/54.]

MOUNT ALLISON UNIVERSITY*

Founded 1858; previously established as Mount Allison Wesleyan Academy, 1840

Postal Address: Sackville, New Brunswick, Canada.

Telephones: Sackville 15, 17 and 258.

CHAIRMAN OF THE BOARD OF REGENTS—N. T. AVARD, B.A., LL.D.

PRESIDENT OF THE UNIVERSITY—Rev. W. T. R. FLEMINGTON, O.B.E., B.Pæd. Tor., D.D. Qu. and Vic. Tor, LL.D. New Br., M.A.

VICE-PRESIDENT OF THE UNIVERSITY—H. W. MCKIEL, B.A., B.Sc. Qu., LL.D.

SECRETARY OF THE SENATE—D. G. MACGREGOR, B.A. Dal., M.A. Oxon.

REGISTRAR—Mrs. CHRISTINE MACINNES, B.A. Dal.

ASSOCIATE LIBRARIAN—L. M. ALLISON, B.A. Dal., B.L.S. Tor.

FACULTIES AND DEANS—*Arts*, including Conservatory of Music and Sch. of Fine and Applied Arts—Rev. A. J. EBBUTT, B.D. Pine Hill, Th.D. Vic. Tor., B.A.; *Science*, including Schools of Engin. and Home Econ.—F. L. WEST, B.Sc. McG., D.Eng. N.S.T.C., M.A.

TEACHING STAFF

Art, v. Fine and Appl. Arts, *infra*

Biblical History and Literature

Ebbutt, Rev. A. J., B.D. Pine Hill, Th.D. Vic. Tor., B.A. Prof.

Des Barres, Rev. F. W. W., B.A., D.D. Pt.-time Lectr.

Biology

Fraser, R., B.S.A. Tor., M.A. Kansas Prof.

Stallworthy, W. B., B.A., Ph.D. Tor. Asst. Prof.

Dickson, Mrs. Anne, M.D., C.M. Dal. Lectr.

Chemistry

Cuthbertson, A. C., M.Sc., Ph.D. McG. Prof.

MacLauchlan, D. W., Ph.D. McG., B.Sc. Prof.

Barclay, L. R. C., M.Sc. Asst. Prof.

Classics

Crake, J. E. A., B A. Tor., M.A. Oxon.. Ph.D. Johns H. Prof.

Steel, Isobel A., M.A. Tor., B.A. Lond. Lectr.

Commerce

Mattessich, R., D.Sc. Econ. Welthandel, Vienna Asst. Prof.

Leard, A. D., B.A. Lectr.

Economics, Sociology and Political Science

Cunningham, W. B., B.A. Acad., M.A. Brown Asst. Prof.

Thorburn, H. G., B.A. Tor., A.M. Col. Asst. Prof.

* Member of the Association of Universities of the British Commonwealth.

Thorburn, Mrs. Gwendolyn, M.A. Tor. Lectr.

Education

Southam, H. D., B.A. Br. Col., D.Pæd. Tor. Prof.

Engineering

McKiel, H. W., B.A., B.Sc. Qu., LL.D. Brookfield Prof.

West, F. L., B.Sc. McG., D.Eng. N.S.T.C., M.A. Dir., McClelan Sch. of E.

Boorne, R. A., B.A. Sc. Tor. Asst. Prof.

Wright, J. G., B.Sc. Qu. Visiting Lectr.

English Lang. and Lit.

Duchemin, L., B.A. Dal., M.A. Tor. Prof.

McRae, C. F., B.A. W. Ont., M.A. McM., Ph.D. Tor. Asst. Prof.

Thomson, G. H., B.A. W.Ont., M.A., Ph.D. Tor. Lectr.

Fine and Applied Arts

Harris, L. P. Prof.

Colville, A., B.F.A. Asst. Prof.

Pulford, E. B., B.F.A. Instr.

Roulston, E. N., B.A. Instr.

Roulston, M. L., B.A. Instr.

French

MacBeth, T. A., M.A. New Br. Prof.

Cole, Marcella, M.A. Lectr.

Melnyk, M. Y., B.A. Montr., B.Ed. Pt.-time Lectr.

Geology

Williamson, D. H., B.Sc., Ph.D. Aberd. Asst. Prof.

German

Scherrer, A., B.A. Sir G. Wms. Lectr.

History

Kerr, D. G. G., B.A. McG., Ph.D. Lond. Prof.

Lockwood, P. A., M.A. Camb. Asst. Prof.

Home Economics

Runciman, Doris, B.S., M.A. Col. Prof. and Dir.

Cavanagh, C. M., B.Sc. Acad., M.Sc. Col. Asst. Prof.

Kennish, Marjorie, B.Sc. Tor., M.B.A. Chic. Lectr.

Burkholder, Frances, M.A. Tor. Lectr.

Mathematics

Crawford, W. S. H., M.A., Ph.D. Minn., B.A. Prof.

Glenn, W. A , B.A. New Br. Asst. Prof.

Music

Brown, H., B.A., Mus.B. Tor. Hd. of Piano Dept., Prof. and Dir. of Conservatory.

Peake, Ethel Hd. of Voice Dept., Lectr.

Payzant, G., B.A. Dal., M.A. Tor. (Music Theory and Organ) Asst. Prof.

Allen, Dorothy, Mus.B. (Voice) Instr.

Patterson, Allison, B.Sc., B.Ed. (Piano and Organ) Instr.

Kinsman, E., Mus.B. (Piano). Instr.

Elliott, C., Mus.B. (Public Sch. Music) Instr.

Sandberg, H., B.A., M.Mus. Mich. (Music Theory and Wind Instruments) Instr.

Philosophy and Psychology

Baxter, C., M.A., Ph.D. Tor. Prof.

Munro, Rev. W. F., M.A., B.D. Vic. Tor., D.D. Pine Hill Pt.-time Lectr.

Tuck, J. A., M.A. Tor. Asst. Prof.

Physics

MacGregor, D. G., B.A. Dal., M.A. Oxon. O. E. Smith Prof.

Crawford, D. P., M.Sc. Dal., Ph.D. Roch., B.Sc. Prof.

Spanish

Vargas, J. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Dean of Men, D. W. MacLauchlan, B.Sc., Ph.D.; Dean of Women, Mrs. Anne Dickson, M.D., C.M. Dal.; Dir., Student Health Service, C. L. Gass, B.A., M.D., C.M. Dal.; Dir., Alumni and Public Relations, G. R. B. Inch, B.A.; Treasurer and Business Manager, J. A. Wheeler; Dir., Physical Educn. for Men, Major W. McCormack; Dir., Physical Educn. for Women, Rosamond Crocker.

ASSOCIATED AND AFFILIATED INSTITUTIONS

PINE HILL DIVINITY HALL, HALIFAX. Principal—The Very Rev. C. M. Nicholson, B.A., D.D. Students who complete the 4 yr. combined Arts and First yr. Theol. course receive the B.A. of Mt. All. and may qualify for the B.D. in 2 further yrs. at Pine Hill.

MARITIME SCHOOL OF SOCIAL WORK. Dir.—L. T. Hancocks, M.A., B.S.W. Mount Allison confers M.S.W. after 2 yrs. of professional trg. at this school following the B.A. or B.Sc. from Mt. All. or other recognized Univ.

PRINCE OF WALES COLLEGE, CHARLOTTETOWN, P.E.I. Principal—Frank Mackinnon, M.A., Ph.D. Students holding 3rd or 4th yr. certs. from the coll. are accepted with advanced credits in the 2nd or 3rd yr. in Arts or Sci. at Mt. All.

GENERAL INFORMATION

The Mount Allison Wesleyan Academy was founded in 1840. Charles F. Allison, Esq., of Sackville, New Brunswick, contributed the site and buildings as well as annual support for ten years. A similar Academy for young women, also a gift from Mr. Allison, began its work in 1854. The charter of 1858 conferred on Mount Allison Wesleyan College full Univ. powers in regard to courses of study and degrees in the various Arts and Faculties, and these powers are expressly continued to the institution under its present designation of Mount Allison University. The ultimate ownership of the Univ. is in the General Conference of the Methodist Church of Canada. By the basis of union this ownership is now vested in the General Council of the United Church. The direct govt. is, however, vested in a Board of Regents and a Senate, and the aforesaid General Council exercises a controlling influence on the affairs of the Univ. through the power of appointing a majority of the Regents. The general management of affairs is entrusted to the Board of Regents. The Board consists of 44 members: 24 appointed by the General Council of the United Church of Canada and 20 representatives of the Federated Alumni. The Senate is a composite body consisting of members of the Faculty of the Univ., and 12 Regents appointed by the Board. It is charged with the duty of regulating the strictly educational concerns of the Univ. In its internal administration, the Univ. has always been conducted on strictly non-sectarian principles.

FACULTIES AND DEANS, *see* p. 839.

ENTRANCE REQUIREMENTS. B.A. course: Jr. Matricn. in English, a classical lang., a foreign lang., Maths. and any two selected from Hist., Chem., Physics, Geol., Biol., Trigonometry, Music. B.Sc.: the same, except that one foreign lang. must be French or German. The matricn. examns. of the Canadian provinces and equivalent Certifs. are in general accepted for admission so far as they cover the subjects required for entrance. *See also* Appendix I.

DEGREE COURSES. 4 yrs. from Jr. Matricn., B.A., B.Com., B.Sc., B.Sc. in Home Economics. For the B.A. degree twenty full credit courses, including first and second yr. required courses and ten electives in the third and fourth yr., providing a major of five courses in one field and a minor of three courses in a related field, are chosen. Honours courses in certain subjects in Arts and Sci. are also provided. Students completing the certif. course in Fine Arts may proceed to a fourth yr. to qualify for the Bachelor of Fine Arts degree. The Mus.B. is conferred on the satisfactory completion of a course in Theory of Music and Composition.

PROFESSIONAL DEGREES. B.Ed. requires one yr. of study beyond the B.A. or B.Sc.; M.S.W. (Master of Social Work), two yrs. in approved School of Social Work beyond the B.A. or B.Sc.

HIGHER DEGREES. M.A., obtainable by approved course of graduate study one yr. beyond B.A. with Hons.; M.Sc., obtainable by approved course of graduate study from one to two yrs. beyond B.Sc. with Hons.

HONORARY DEGREES. LL.D., D.C.L., D.Litt., D.Mus., D.D.

CERTIFICATES. Engin., 3 yrs.; Commerce, 2 yrs.; Secretarial, 3 yrs.; Fine Arts, 3 yrs.; Applied Arts, 3 yrs.; Assoc. Music, 3 yrs.; Lic. Music, 4 yrs.

FEES. Tuition, Arts or Science, $180 p.a. for 5 subjects (lab. fees additional). General fee $57, including registration fee, concert and lecture series, rink, gymnasium, library, health services, insurance.

RESIDENCE. Accommodation available for 395 men and 300 women. Board and room (furnished) $430 p.a. Trueman House, senior residence, accommodation for 195 men; Brunswick House, 100 men; Mount Allison Academy Freshman Residence, 100 men; Allison Hall, 300 women. Ortona Hall and Normandy Hall, 16 apartments each, for married students and their families.

LIBRARY. Includes valuable private collections, 67,400 volumes.

EXTENSION DEPT. Extension work is offered in a limited number of courses. Present registration, 140.

SUMMER SCHOOL. The Maritime Summer School, July 3–Aug. 14, is a regular session of the Univ. Half courses are offered which must be completed at a subsequent session of summer school or through the Extension dept. Registration for Univ. credit is limited to three half courses.

SCHOLARSHIPS. A number of entrance and course scholps. are available each yr., including five Lord Beaverbrook Entrance Scholps. of $500 per yr. for four yrs., twenty-four Herbert S. Sharp scholps. of annual value of $500 and four Bennett undergraduate scholps. of an annual value of $300. Other substantial scholps. are the Partenen in Mining Engin., two awards of $400 annually; the O. E. Smith scholps., the Dennis Memorial and others. Five Lord Beaverbrook postgraduate scholps. are available annually. These scholps. cover all expenses for a yr. at the Univ. of London.

MOUNT ALLISON FEDERATED ALUMNI. The Federation elects 20 of the 44 members of the Board of Regents, five each yr. to serve four yrs.

NATIONAL DEFENCE TRAINING. Male students who enrol in the Canadian Officers' Training Corps (C.O.T.C.) take a course of training designed to qualify them as commissioned officers in the Canadian Army. The University Naval Training Division, U.N.T.D., offers a four-yr. course at regular service rates of pay and, on successful completion of the course, admission into the Royal Canadian Naval Reserve as a sub-lieutenant. The Royal Canadian Air Force offers courses for Short Service Commission Officers in the R.C.A.F.

Aircrew List and the University Summer Training Scheme as well as other training and employment schemes.

HOSPITAL AND HEALTH SERVICE. Includes physical examn. with chest X-ray at registration. There are two hospital units on the campus with graduate nurses in charge and the campus physician in attendance. A small fee included in the general fee contributes to the cost of this service.

SPORTS FACILITIES. Include a large playing field, a gymnasium, tennis courts and a large modern artificial ice rink.

PUBLICATIONS. *Calendar* (April); *Argosy* (students'), weekly; *Arts*, a student literary publication, yearly; *Mount Allison Record* (Alumni), quarterly; the *Wood lectures* (occasionally), a number of pamphlets and leaflets.

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. Alumni Annual Fund, $63,000; Maritime Conference Fund (United Church of Canada), $32,325.

DEATH. Rev. Dr. H. Tucker, J. L. Black Prof. of Econ., Head of Dept. and Dean of Fac. of Arts.

HONORARY DEGREES. *LL.D.*—A. E. Cameron, Principal, N.S.T.C.; Rev. W. H. Young, United Church of Canada. *D.C.L.*—W. J. West, Q.C., Attorney General, Province of New Brunswick. *D.D.*—Rev. H. S. Bland, Rev. B. C. Salter.

STUDENT NUMBERS.

	Full-Time	*Part-Time*	*External (Corr.)*
Men	410	78	78
Women	231	112	62
Total	641	190	140

Postgraduate students, 14.

New admissions, 259.

Students from other countries, 35. (Countries from which largest numbers came: U.S.A., 11; British W. Indies, 10; Bermuda, 8.)

DEGREES AWARDED. *Arts*: B.A., 54; M.A., 1; *Educn.*: B.Ed., 8; *Fine Arts*: B.F.A., 7; *Home Econ.*: B.Sc., 7; *Music*: B.Mus., 3; *Science*: B.Sc., 18; *Social Work*: M.S.W., 1. *Total number of first degrees awarded*, 89.

CERTIFICATES AWARDED. Applied Arts, 5; Commerce, 14; Engineering, 12; Fine Arts, 5; Music: Assoc., 7; Lic., 4; Secretarial, 2. *Total number of certificates awarded*, 49.

MOUNT SAINT VINCENT COLLEGE

Chartered 1925

Postal Address: Halifax, Nova Scotia, Canada.
Telephone: Halifax 5-5441.

CHAIRMAN, BOARD OF GOVERNORS—Mother STELLA MARIA.

PRESIDENT—Sister FRANCIS D' ASSISI, M.A. Dal., Ph.D. Fordham.

DEAN—.....

REGISTRAR—Sister FRANCES CARMEL, B.A. Dal., M.A., Ph.D. Tor., L.M.S. Pont. Inst. Med. St., Tor.

LIBRARIAN—Sister FRANCIS DE SALES, B.A. Creighton, M.A. Dal., Ph.D Fordham.

TEACHING STAFF

Biology

Sister Mary Lua, B.A. St. Johns, M.Sc. C.U.A.

Chemistry

Sister Mary Evelyn, B.A. Dal., M.A. Tor., Ph.D. C.U.A.

Classics

Sister Mary Berchmans, M.A. Dal., Ph.D. Fordham.

Sister Maria Rosaria, B.A. Dal., M.A., Ph.D. C.U.A.

Economics

Sister Ellen Francis, B.A., M.C.S. Boston, B.Sc.

Education

Sister Maria Catherine, M.A. Fordham.

Sister Mary James, M.A. Fordham.

English

Sister Marie Agnes, M.A. Dal., Ph.D. Fordham.

Sister Maura, B.A. Lond., M.A. Dal., Ph.D. Notre-Dame.

French

Sister Rose Celestine, M.A. Dal., Ph.D. Fordham.

History

Sister Francis d' Assisi, M.A. Dal., Ph.D. Fordham.

Home Economics

Sister Irene Marie, M.Sc. Simmons.

Sister Elizabeth Clare, M.Sc. Simmons, B.Sc.

Travis, Allayne, B.Sc. St. F.X., M.Sc. Montr.

Library Science

Sister Francis de Sales, B.A. Creighton, M.A. Dal., Ph.D. Fordham.

Sister Francis Dolores, B.A., M.L.S. Tor.

Mathematics

Sister Anna Gertrude, B.A. Dal., M.A. St.F.X.

Music

Sister Rita Josephine, B.Mus. Manhattanville.

Philosophy

Sister Frances Carmel, B.A. Dal., M.A., Ph.D. Tor., L.M.S. Pont. Inst. Med. St., Tor.

Secretarial Studies

Sister Ellen Francis, B.A., M.C.S. Boston, B.Sc.

Sociology

Sister Agnes William, B A. Dal., M A. St. John's
Sister Louise Adelaide, B.A.

Speech

Sister Marie Eustella, B.A. Dal., B.O.E. Currie, M.A. Fordham.

GENERAL INFORMATION

Mount Saint Vincent College is the only independent Women's College (*i.e.* empowered to confer degrees) in Canada.

On Jan. 31, 1951, the entire College building was burnt down. No lives were lost, but all College records, art treasures and the library of almost 60,000 volumes were destroyed together with the remainder of the contents of the building. The work of restoration and reorganization is proceeding, and more than 40,000 volumes have been donated to the library by Universities, private libraries and individuals. A completely new bldg. now houses residence accommodations, admin. offices, lecture rooms and labs., as well as separate wings for Chapel, Library, Home Econ. dept., Gymnasium-auditorium and Music dept. An exceptionally fine collection of Mineral. specimens, the gift of Harvard Univ., is exhibited in permanent display cases.

CONSTITUTION. The Board of Governors, the governing body of the Coll., is composed of the Mother General of the Community of the Sisters of Charity and her Assts., plus the President of the Coll. The chief executive officer is the Coll. President, who is assisted in her administrative duties by the Dean and the Registrar.

LIBRARY, 40,000 vols. Students have access to books in Provincial Library as well as to those regulated by inter-college and Universities loan system. Reading Room. Rare Books Room houses the MacDonald Collection (first edns., original MSS., rare bindings).

FACULTIES. Arts; Science; Music; Nursing; Home Economics; Secretarial Studies; Library Science. Dean of Studies—.....

DEGREES. B.A., B.Sc., B.Mus., B.L.S., L.Mus. The Arts course and the professional courses leading to the B.Sc. cover 4 yrs. after Junior Matriculation. The course leading to the Licentiate in Music covers 2 yrs. of the degree work. Professional courses require also special projects wherein during the summer vacation students spend a limited time actually in service in the field of their chosen professions.

COURSES OF STUDIES. Arts Course, Normal School (for teachers in the Province of Nova Scotia), Music Course (4 yrs. for B.Mus. and 2 yrs. of regular 4-yr. course for Licentiate), Science Course (4 yrs. for B.Sc. with a Chemistry or Biology major), Nursing (leading to B.Sc. in Nursing), Home Economics (4-yr. course leading to B.Sc.), Secretarial Studies (leading to B.Sc. in Sec. St.), Library Science (leading to B.L.S., 1-yr. course after Bachelor's degree), Education, 1 yr. after B.A. leading to High School Teacher's Licence granted by Provincial Dept. of Education.

FEES. Inclusive Fee for Board, Residence and Tuition, $550 p.a. Tuition only, $30 per course. Laboratory fees, $5 to $25. Degrees, $25.

TEACHING HOSPITAL. Halifax Infirmary School of Nursing provides training school for students in Degree Nursing Course, as well as interneship for recognized Dietitians in Canadian Dietetics Assocn.

ADMISSION REQUIREMENTS. *B.A.*—Engl., Lat. or Gk., Algebra, Geom., Hist., Mod. Foreign Lang., one Elective. *Mus.B.*—Engl., Fr., German, Hist., Algebra or Geom., two Electives. *B.Sc.*—(*a*) Pure science, as for B.A. (*b*) Home Econ.: Engl., Mod. Foreign Lang., Hist., Econ., Algebra or Geom., Science, one Elective. (*c*) Secretarial Studies: Engl., Mod. Foreign Lang., Hist., Econ., Algebra or Econ., two Electives. (*d*) Nursing: Engl., Algebra, Geom., Hist., Fr., Chem., Phys. or Household Econ. and a Pass Cert. of Grade XII. (*e*) Elementary Educn., as for B.A. *Dipl. Lic. Mus.*—Engl., Fr. or German, one Elective.

Electives may be chosen from the following: Hist. (Anc., Mediæv., Mod., Canadian, Engl. or U.S.A.), Science (Phys., Chem., Bot., or Biol.), Econ., Algebra, Geom., or Trig., where not already required.

ADMISSION TO ADVANCED STANDING. A student who has completed matric. and who holds one of the following certs. indicating that she has done work in advance of the matric. standard, may be allowed to take a degree in 3 yrs.: Certs. issued by the Dept. of Educn. of N.S.; Grammar Sch. Licence of New Br.; equivalent certs. issued by Educn. Dept. of other Provinces.

All other applications for advanced standing are considered on their merits.

RESIDENCE. Accommodation for approx. 175.

ADULT EDUCATION. By means of a specially arranged lecture schedule, the College enables teachers-in-service to contrive their work towards a degree.

EXTRA-MURAL WORK. A limited amount of extra-mural work is done, under the direct supervision of the Professors of the various subjects.

PUBLICATIONS. *Announcements* (annual calendar); *Kappa Kronicle* (students' Year Book).

THE YEAR 1952–53

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Women only	183	62
Total	183	62

Summer session, 2721.

Postgraduate students, 6; summer session, 10.

New admissions, 77.

Students from other countries, 57. (U.S.A., 54; British W. Indies, 3.)

DEGREES, ETC., AWARDED. B.A., 12; B.Sc. in Home Econ., 1; B.Sc. in Secret. Studies, 3; B.Sc. in Library Science, 6; Dipl. in Educn., 1.

[*Information compiled as at July* 1954.]

UNIVERSITY OF NEW BRUNSWICK*

Established 1787

Postal Address: Fredericton, New Brunswick, Canada.
Telephone: 9471.

VISITOR ON BEHALF OF H.M. THE QUEEN—The Hon. D. L. MACLAREN, Lieut.-Governor of New Brunswick.

CHANCELLOR—The Rt. Hon. LORD BEAVERBROOK, LL.D.

PRESIDENT—COLIN B. MACKAY, LL.B. Br. Col., D.C.L. Mt. All., B.A.

REGISTRAR—EDITH G. MACLEOD, B.A.

BUSINESS MANAGER—B. F. MACAULAY, B.Sc.

LIBRARIAN—Mrs. MARJORIE J. THOMPSON.

DEANS—*Arts*—A. G. BAILEY, Ph.D. Tor., B.A.; *Engineering*—E. O. TURNER, S.B. M.I.T., D.Sc.; *Forestry*—J. M. GIBSON, O.B.E., D.Sc.; *Graduate Studies*—F. J. TOOLE, B.Sc. Chem.Eng., Ph.D. McG., M.Sc.; *Law*—Hon. Mr. Justice W. H. HARRISON, D.S.O., LL.D.; *Science*—C. W. ARGUE, C.B.E., B.A., B.S.A. Br. Col., M.S. Iowa, D.Sc.

TEACHING STAFF

Biology

Argue, C. W., C.B.E., B.A., B.S.A. Br. Col., M.S. Iowa, D.Sc. Dean, Fac. of Sci., Prof.
Warren, Althea A., A.M. Clark, Ph.D. Tor., B.A. Assoc. Prof.

Assistant Professors

Pritchard, H. V., B.A. Tor., A.M. Western.
Taylor, A. R., B.A. Tor.

Business Administration

McManmon, G., A.B., M B.A. Harv.

Chemistry

Toole, F. J., B.Sc. Chem.Eng., Ph.D. McG., M.Sc. Dean, Graduate Studies, Prof.
Wiesner, K., D.Sc. Prague Prof.
Stuart, A. P., Ph.D. McG. Assoc. Prof.
Taylor, W. I., Ph.D. N.Z. Assoc. Prof.
Los, J. M., Drs. Amst. Asst. Prof.

Classics

Cattley, R. E. D., M.A. Camb. Prof.
Burrows, P. M., M.A. Camb. Asst. Prof.

Economics and Politics

Smith, W. Y., B.A. Oxon. and New Br. Prof.
Milligan, F. A., M.A. Manit. Assoc. Prof.

Education

Love, R. J., B.Pæd. Tor., M.A. Prof.
McIntyre, G. F., B.Pæd. Tor., B.A. Asst. Prof.

* Member of the Association of Universities of the British Commonwealth.

Engineering, Civil

Turner, E. O., S.B. M.I.T., D.Sc. Dean, Engin., Prof.

Associate Professors

Beattie, I. M., B.Sc.
MacFarlane, H. W., B.Sc.
McLaughlin, R. H. B., B.Sc.
Stevens, A. M., B.Sc. Asst. Prof.

Engineering, Electrical

Dineen, J. O., M.Sc. Prof.
Collier, R. J., B Sc. Alta. Assoc. Prof.

Assistant Professors

Galbraith, R. A. H., O.B.E., M.A. Tor.
Loane, G. H., B.Sc.
Plummer, D. K., B.Sc.

Engineering, Mechanical

Wheatley, E. E., B.Sc. McG. Prof.
Hagerman, E. W., B.Sc. Assoc. Prof.

English

Pacey, W. C. D., Ph D. Camb. Prof.

Associate Professors

Galloway, D. R., M.A.
Lucas, A., M.A. Qu., A.M. Harv., Ph.D. Camb.
Cogswell, F., Ph.D. Edin. Asst. Prof.

Forestry

Professors

Gibson, J. M., O.B.E., D.Sc. Dean and Prof.
Long, H. D., B.Sc. Prof.
Seheult, L. R., M.Sc.F. Tor. Prof.
Brown, N. R., M.A. W. Ont. Assoc. Prof.
Pringle, S. L., B.Sc., M.F. Calif. Assoc. Prof.

Assistant Professors

Irwin, J. D., B.Sc.F. Tor.
Buckingham, F. M., M.F. Harv., B.Sc.

Geology

MacKenzie, G. S., Ph.D. Tor. Prof.
McAllister, A. L., Ph.D. McG., B.Sc. Assoc. Prof.
Nelson, S., Ph.D. McG. Asst. Prof.

German

Hubener, Jean I., Dr.Phil. Bonn Prof.

History

Bailey, A. G., Ph.D. Tor., B.A. Dean, Arts, Prof.
McNutt, W. S., B.A. Lond. Prof.

Law

Sears, J. W., B.C.L. Oxon. Prof.

Mathematics

Professors

Rothberger, F., Ph.D. Vienna.
Jones, W. G., B.Sc., LL.D.

Associate Professors

Edwards, L. P., M.A. Acad.
Staal, R. A., Ph.D. Tor.

Philosophy

Stewart, D. A., Ph D. Tor. Prof.

Physics

Boone, A E., M A. Western, B.Sc. Prof.
Kennedy, J. E., M.A. Qu. Assoc. Prof.
Weiner, T., Doctor of Physics, Milan. Asst. Prof.

Psychology and Sociology

Snodgrass, Florence T., Ph.D. Yale Prof.
Pullman, D. R., B.Ed. Alta., M.A. Tor. Asst. Prof.

Romance Languages

McAndrew, W. A. G., D. de l'U. Paris Prof.
Whimster, Mary Louise, B.A. Manit. Asst. Prof.
Shaw, A. J., B.A. Tor. Asst. Prof.

ADMINISTRATIVE AND OTHER STAFF

Alumni Sec.: J. C. Murray, B.A. Bursar: C. L. Mahan. Dean of Residence: W. G. Jones, LL.D. Dir., Physical Educn.: P. C. Kelly.

GENERAL INFORMATION

The College of New Brunswick was incorporated in 1800 by Provincial Charter, re-incorporated in 1828 by Royal Charter as King's College, and again in 1859 as the University of New Brunswick. A Faculty of Law was established in 1923 in Saint John, taking over, with some changes, the work of the former King's College Law School. The Provincial Govt. appoints the President and a majority of the governing body, called the Senate, of which the Minister of Education and the Chief Supt. of Education for the Province are *ex-officio* members. The annual grant from Provincial revenues is $350,000.

CONSTITUTION. The President is President of the Corporation and of the Faculty. University Council consists of President, six Deans, Librarian, Physical Director, and 2 members elected from each Faculty. For Faculties and Deans *see* p. 847.

LIBRARY. 80,000 vols. Rufus Hathaway collection of Canadian Literature; Viscount Bennett Papers; Rt. Hon. Bonar Law Papers; Earl Lloyd George Papers; Kipling Atlas.

FACULTIES AND DEANS, *see* p. 847.

DEGREE COURSES. 5 yrs. (from Junior Matricn.), Engin., Forestry. 4 yrs., B.A., B.Sc., B.B.A. (Bachelor of Business Admin.). 3 yrs. from first degree, B.C.L. Senior Matricn. (or equivalent) Certif. admits to the 2nd year.

HIGHER DEGREES. B.Ed. (1 yr. from first degree); M.A. (2 yrs.), M.Sc. (2 yrs.); Ph.D. (3 yrs.). Honorary—D.Litt., D.Sc., LL.D.

DIPLOMA COURSES. 3 yrs.—Mining Engin., Chemical Engin.

FEES. Tuition, annual: Arts, $215; Pure Science, $250; Engin. or Forestry, $265; Law, $225; Business Admin., $215; Educn., $200.

VACATION COURSES. Six weeks' Summer School.

EXTENSION COURSES. B.A. degree courses given in Fredericton, Saint John, Moncton, and Andover, N.B.

ADMISSION REQUIREMENTS. Jr. Matricn. or equivalent in Algebra, Geom., Engl., and any 4 of Biol., Chem., French, Hist., Latin, Trigonometry, Phys. For Arts, Latin required. *See also* Appendix I.

ALUMNI ASSOCIATIONS. Associated Alumni of the Univ. of New Brunswick; Alumnae Society of the Univ. of New Brunswick.

LABORATORIES. Biol., Chem., Engin., Forestry, Geol., Physics, Psychol.; 7000-acre forest tract for Forestry field work.

MUSEUMS AND COLLECTIONS. Historical documents relating to early history of New Brunswick, a collection of Indian arrow-heads, axe-heads, etc.; Geological museum; Observatory telescope with six-inch clear aperture.

MILITARY TRAINING. Canadian Officers' Training Corps; University Naval Training Division; Royal Canadian Air Force Division.

RESIDENCE. Lady Beaverbrook's Building accommodates 85 men. Dean of Residence: W. G. Jones, LL.D. Board and lodging, $500 p.a. Maggie Jean Chestnut House for women students—accommodation for 33. Warden: Mrs. Helena MacArthur. Board and lodging, $500 p.a.

STUDENT HEALTH. **Tuberculosis survey of students made in the autumn.**

SCHOLARSHIPS. Rt. Hon. Lord Beaverbrook Undergraduate Scholps., 7 of $500 each for 4 yrs.; graduate Overseas Beaverbrook Scholps., all expenses including holiday travel in Great Britain; Sir James Dunn Scholps., 2 of $500 each; 1 graduate scholp. of $1000; research fellowship of $2500; 80 others; 1 grad. Beaverbrook Scholp. of $750 for History; Tom Hickey Memorial Scholp. of $600; Sir George E. Foster Scholps. (undergraduate), total value $7600.

PUBLICATIONS. *Calendar* (Jan.); *Brunswickan* (students' weekly); *Fiddlehead* (students' poetry magazine); *Memorial Volume in commemoration of 150th anniversary.*

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. New Brunswick business firms, $5500 for Bus. Admin. Dept.; Pulp and Paper Companies, $20,000 for Forestry Dept.

NEW BUILDINGS. Construction begun on Memorial Student Union.

HONORARY DEGREES. *LL.D.*—C. H. Bonnycastle, Headmaster, Rothesay Collegiate Sch.; W. H. Crabtree, Pres., Fraser Cos. Ltd., Edmunston, N.B.; Hon. H. J. Flemming, Premier, Prov. of N.B.; Miss K. F. C. MacNaughton, author of "The Development of the Theory and Practice of Education in New Brunswick, 1784–1900." *D.C.L.*—M. J. Boylen, Pres., Brunswick Mining and Smelting Co., Bathurst, N.B. *D.Sc.*—G. W. I. Creighton, Dep. Minister of Forests, N.S.; C. J. MacKenzie, Pres., Atomic Energy Control Bd. of Canada; G. S. MacKenzie, Hd., Dept. of Geol., Univ. of New Brunswick; R. W. Maxwell, Principal, Carleton County Vocational Sch., N.B.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	619	..
Women	58	..
Total	677	..

Postgraduate students, 92.
New admissions, 179.

DEGREES. B.A., 51; M.A., 8; B.Sc. (Arts), 22; M.Sc. (Arts), 1; Ph.D. 4; B.Ed., 24; B.C.L., 10; B.Sc. (Civil Engin.), 17; B.Sc. (Electr. Engin), 10; B.Sc. (Mech. Engin.), 4; M.Sc. (Electr. Engin.), 4; B.Sc. (Forestry), 44; M.Sc. (Forestry), 3.

[*Information compiled as at 27/5/54.*]

NOVA SCOTIA AGRICULTURAL COLLEGE

Founded 1905

Postal Address : Truro, Nova Scotia, Canada.
Telephone : Truro 467.

PRINCIPAL—KENNETH COX, B.S.A. Tor., M.S.A. McG.
REGISTRAR—PARKER COX, B.A. Acad., M.A. Tor.
LIBRARIAN—R. H. STEVENSON, B.A., B.Sc. Mt. All.
BUSINESS MANAGER—R. A. LANGILLE.
SECRETARY—LOLITA C. DEWAR.

TEACHING STAFF

Agricultural Engineering
Milligan, D. C., B.Sc. (Agr.) McG.
Henry, C. E., B.Sc. (Agr.) McG.
MacNevin, M. C., B.Sc. (Agr.) McG.
Townsend, G. E., B.Sc. (Agr.) McG.

Agronomy
Cox, K., B.S.A. Tor., M.S.A. McG.
Shuh, J. E., B.S.A. Tor., M.Sc. McG.

Animal Husbandry
Hamilton, P. Y., B.Sc. (Agr.) McG., M.Sc. Maine.
Adams, D. M., B.S.A. Tor.

Apiculture
Karmo, E. A., B.Sc. (Agr.) Tartu.

Botany, and Bacteriology
Roland, A. E., B.A. Acad., M.A. Tor., Ph.D. Wis.
Palfrey, G. D., B.Sc. (Agr.) McG.

Chemistry
Smith, G. R., M.Sc. Dal., Ph.D. McG.
Milligan, J. E., B.Sc. (Agr.) McG.
Langille, W. M., B.Sc. Acad., M.Sc. McG.
Hilchey, J. D., B.Sc. (Agr.) McG.
Booker, J. R.

Dairying
Murray, T. K., B.S.A. Manit.

Economics
MacNeil, J., B.Sc. (Agr.) McG., M.Sc. Mich.
Scammell, F. E., B.Sc. (Agr.) McG.

English
Cox, P., B.A. Acad., M.A. Tor.

Entomology
Neary, M. E., B.Sc. (Agr.) McG.
Vickery, V. R., B.Sc. (Agr.) McG.

Farm Management
Jenkins, W. A., B.Sc. (Agr.) McG., M.Sc. (Agr.) Corn.

Forestry
Maybee, G. R., B.Sc.F. New Br.

Horticulture
Collins, C. M., B.S.A. McG., M.S.A. Tor.
Jankov, N. V.
Crowe, A. D., B.Sc. (Agr.) McG., M.Sc. Corn.
Kinsman, G. B., B.Sc. (Agr.) McG.

MacLaughlin, H. A. L., B.Sc. (Agr.) McG., M.Sc. Corn.

Mathematics and Physics

Stevenson, R. H., B.A., B.Sc. Mt. All.

Poultry

Proudfoot, F. G., B.Sc. (Agr.) McG., M.Sc. (Agr.) Corn.

Veterinary Science

Hancock, E. E. I., D.V.M. Tor.

GENERAL INFORMATION

CONTROL AND SUPPORT. The College is fully supported financially by the Province of Nova Scotia. The majority of the teaching staff are also Members of the staff of the Dept. of Agriculture and Marketing, in which the control of the College is vested.

DEGREE COURSE. Students who enrol for the degree course complete the first 2 yrs. of the four-yr. course at the Coll. Their third and fourth yr. studies are completed at the institution of their choice, *e.g.* Macdonald College or the Ontario Agricultural College. Graduates from Macdonald Coll. receive the degree of Bachelor of Science in Agriculture from McGill Univ. and those of Ontario Agric. Coll. a similar degree from the Univ. of Toronto.

Candidates for admission to the degree course must, *inter alia*, have had one season's farm experience and must satisfy educnl. requirements by presenting one of the following: (i) Province of Nova Scotia: Grade XI Certif. with Maths.; (ii) Prov. of N. Brunswick: Jr. Matric. Certif.; (iii) Prov. of P.E.I.: 2nd-yr. Certif. of Prince of Wales Coll.; (iv) Nfld.: Jr. Matric. with Maths.; (v) other certifs. in so far as they meet College entrance requirements. Candidates who intend to complete their course at the Ont. Agric. Coll. should possess a Grade XII Certif. as the Ont. Agric. Coll. now requires Sr. Matric. for admission to its courses. All applicants must possess a pass in Maths.

DIPLOMA COURSES. 2-yr. Farm Course and 2-yr. General Agriculture Course. The Farm Course is chiefly vocational and the General Agriculture Course is of a more practical nature than, but on approx. the same academic level as, the Degree Course.

FEES. Tuition—Canadians free, Non-Canadians $50 per yr. Fees $22 to $26 per yr.

FACILITIES. Main bldg., Science bldg., Horticulture bldg. (with greenhouses), Dairy bldg., Agricultural Engin. bldg., and 300-acre farm.

PUBLICATIONS. By the College: *Calendar* (annual). By the Students' Council: *Agricola* (Year Book).

THE YEAR 1952–53

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	65	..
Women	..	..
Total	65	..

[*Information compiled as at* 3/6/54]

NOVA SCOTIA TECHNICAL COLLEGE *

Postal Address: Halifax, Nova Scotia, Canada.
Telephone: Halifax 3-1227.

CHAIRMAN OF THE BOARD OF GOVERNORS—Hon. HENRY D. HICKS, B.A. Mt. All., B.Sc. Dal., B.A., B.C.L. Oxon., D.Ed. St. Anne's, Minister of Education, Province of Nova Scotia.

PRESIDENT—ALAN E. CAMERON, M.Sc. McG., D.Sc. M.I.T. and Acad., LL.D. Mt. All.

DEAN—A. EDWARD FLYNN, A.R.S.M., D.I.C. (Mining Engin.).

HEADS OF DEPARTMENTS — Professor SPENCER BALL, B.Sc. Sask. (Civ. Engin.); Professor GEORGE H. BURCHILL, B.Sc. (Electr. Engin.); Professor SETON J. MONTGOMERY (Mech. Engin.); Professor A. EDWARD FLYNN, A.R.S.M., D.I.C. (Mining and Metall. Engin.); Professor M. ROY FORAN, M.Sc. Sask., Ph.D. McG. (Chem. Engin.).

REGISTRAR—JAMES B. TERNAN, B.E.

BURSAR—R. BRENTON CAMPBELL.

LIBRARIAN—DONALD A. REDMOND, B.Sc. Mt. All., B.L.S. McG., M.S. in L.S. Ill.

TEACHING STAFF

Chemical Engineering

Foran, M. R., M.Sc. Sask., Ph.D. McG. Prof.
MacLean, D. B., B.Sc. Acad., Ph.D. McG. Assoc. Prof.

Civil Engineering

Ball, S., B.Sc. Sask. Prof.
Mazur, S. J., Ph.D. Lond. Assoc. Prof.
March, J. W., B.Sc. Assoc. Prof.
Heaps, H. S., B.Sc. Manc., M.A. Tor. Asst. Prof.
1 Lectr.

Electrical Engineering

.....
Burchill, G. H., B.Sc. Prof.
Vail, G. F., B.E., M.A.Sc. Tor. Assoc. Prof.
Grant, C. E. Asst. Prof.
Slemon, G. R., M.A.Sc. Tor., Ph.D. Lond. Asst. Prof.

Mechanical Engineering

Montgomery, S. J. Prof.

Associate Professor

Baker, M. L., B.Sc.

Assistant Professors

Ripley, H. A., B.Sc.
Cochkanoff, O., B.A.Sc. Br. Col., M.A.Sc. Tor.
1 Lectr.

Metallurgical Engineering

Knop, O. Asst. Prof.

Mining Engineering

Flynn, A. E., A.R.S.M., D.I.C. Prof.
Cameron, E. L., M.Eng. McG. Assoc. Prof.

* Additional member of the Association of Universities of the British Commonwealth.

ADMINISTRATIVE AND OTHER STAFF

Members of the Jt. Services Univ. Trg. Cttee.: Chairman—Major A. E. Cameron, M.Sc. McG., D.Sc. M.I.T.; Lt. Cdr. (L.) G. F. Vail; Major H. Thompson; F/L. L. H. C. Saunders.

Sports Dir.: V. E. Vaughan, B.E.

ASSOCIATED UNIVERSITIES

ACADIA UNIVERSITY, Wolfville, N.S. President—Watson Kirkconnell, O.P.R., M.A. Qu., Ph.D. Debrecen, LL.D. Ott. and New Br., D.P.Ec. Ukr. Free U., D.Litt. McM., F.R.A.I., F.R.Hist.S., F.R.S.C. DALHOUSIE UNIVERSITY, Halifax, N.S. President—A. E. Kerr, B.D. Union Sem., N.Y., B.A. Dal., D.D. United Coll., Acad. and Glas., LL.D. Mt. All. and New Br. MEMORIAL UNIVERSITY OF NEWFOUNDLAND, St. John's, Nfld. Vice-Chancellor and President—R. Gushue, C.B.E., Q.C., LL.B. Dal., D.Cn.L. K.C.N.S. MOUNT ALLISON UNIVERSITY, Sackville, N.B. President—Rev. W. T. R. Flemington, O.B.E., M.A. Mt. All., B.Pæd. Tor., D.D. Qu. and Vic. Tor., LL.D. New Br. ST. FRANCIS XAVIER UNIVERSITY, Antigonish, N.S. President—Rev. Hugh J. Somers, Ph.D. C.U.A., F.R.Hist.S. SAINT MARY'S UNIVERSITY, Halifax, N.S. President—Very Rev. F. J. Lynch. UNIVERSITY OF NEW BRUNSWICK, Fredericton, N.B. President—Colin B. Mackay, B.A. New Br., LL.B. Br. Col., D.C.L.Mt. All.

GENERAL INFORMATION

The Nova Scotia Technical College was authorized by an Act of the Provincial Legislature in April 1907 (N.S. Laws, 1907, Chapter 1, Act relating to Technical Education). The Act provided that: "There shall be established at Halifax an institution for the purpose of affording facilities for scientific research and instruction and professional training in civil, mining, mechanical, chemical, metallurgical and electrical engineering, or any other departments which may from time to time be added. The annual expenditure incurred in connection with the institution shall be defrayed out of the Provincial Treasury."

A site was provided by the Dominion Department of Militia and Defence on the condition that the Coll. would include military trg. as a required subject in all depts. of Engin. The erection of the main bldg. proceeded during 1908 and the Coll. was opened under the direction of Frederic H. Sexton, B.Sc. M.I.T., as Principal, with courses in Civ., Electr., Mech. and Mining Engin., in the autumn of 1909. The 1907 Act relating to Technical Educn. was repealed in 1947 and 2 new Acts, one relating to Engin. educn., the other to Secondary Technical educn., were passed by the Provincial Legislature. By these Acts the 2 branches of educn. mentioned above were placed under separate heads. Thus the Coll. will confine its activities to work of Univ. level only. Under the new Nova Scotia Technical College Act authority was given for the establishment of graduate studies and res., and provision was made for close co-operation between the Coll. and the Nova Scotia Research Foundation. A further expansion in 1947 was the addition of the Dept. of Chem. and Metallurgical Engin. Courses of instruction in this dept. were made available to students at beginning of 1947–48 term. In 1953 the Dept. of Metallurgical Engin. was transferred to the jurisdiction of the Dept. of Mining Engin., thus becoming the Dept. of Mining and Metallurgical Engin.

CONSTITUTION. The Coll. is governed by a Bd. of Governors under the chairmanship of the Minister of Educn. of N.S., a Senate under the chairmanship of the Pres. of the coll., and the Fac. under the chairmanship of the Pres. In general the Fac. reports to the Senate, and the Senate reports to the Bd. of Governors on all matters pertaining to the operation of the Coll., and the Bd. reports annually to the Lt.-Governor in Council. The Associated Univs. are represented on the Bd. by their presidents and on the Senate by the heads of their respective Depts. of Engin.

LIBRARY. 9000 vols.

LABORATORIES. Civ., Electr., Mech., Mining, Chem. and Metallurgical Engin.

ENTRANCE REQUIREMENTS. Applicants must have attained the age of 19 yrs. A student who has been granted a dipl. or certif. by one of the Associated Univs. (*see above*) testifying that he has completed the uniform Engineering Course will be admitted to the Technical Coll. without examn. upon the presentation of this certif. Applicants from other institutions of higher educn. for engineers will be admitted to the jr. yr. upon the presentation of credentials showing that the equivalent of the engin. courses given at the Associated Univs. has been completed. Any person may be admitted to advanced standing in the Technical Coll. by passing such examns. as are deemed necessary by the Coll. Faculty, or by presenting such certifs. of previous records of study or experience as shall satisfy the Faculty.

GENERAL FEES. Tuition, $260 p.a.; Graduate Studies, $125; Spring Courses, $25; Mining and Survey Camp, $100; Students' Soc., $19.50 p.a.; Caution Fee, $5 p.a.

DEGREE COURSES. B.E. Hons. (Civ., Electr., Mech., Mining, Chem., Metallurgical), B.E. (Civ., Electr., Mech., Mining, Chemical, Metallurgical), M.E.

HONORARY DEGREE. D.Eng.

SCHOLARSHIPS, ETC. Nova Scotia Govt. Scholps., 10 annually, $260 each; Prince Edward Island Scholp., 1 annually, $260; also various other scholps., bursaries and prizes.

PHYSICAL TRAINING. Gymnasium.

MILITARY TRAINING. The *Joint Services Trg. Scheme* was introduced in 1946. The programme extends over 3 yrs. and consists of a series of lectures during the Coll. yr. followed by from 12 to 22 weeks posting at a trg. sch. during summer vac. The summer trg. is taken in the sp. branch of the service selected by the trainee, who is recruited at an associated Univ. and completes trg. at N.S.T.C. Under the *Regular Officer Trg. Plan* students may apply for enrolment in the Regular forces of any Service. The Dept. of Nat. Defence pays candidates' fees and candidates are also paid while at the Coll.; they agree to serve for min. of 3 yrs.

STUDENTS' SOCIETY. The recognized means of communication between the Fac. and the student body. It is designed to co-ordinate and control all extra-curricular student activities. Every student is a member.

PUBLICATIONS. *Calendar* (Spring); *Tech. Flash* (Yearbook); *Alumni Bulletin* (4 editions per yr.).

THE YEAR 1952–53

RETIREMENTS. Prof. D. S. Nicol (Elec. Engin.); Prof. G. F. Murphy (Metallurg. Engin.).

HONORARY DEGREES. *D.Eng.*—A. E. Macdonald, Dean of Engin. and Archit., Manit. Univ.; C. S. Parsons, O.B.E., Consultant in Mining Engin.

DEATH. Prof. R. P. Donkin (Mech. Engin.).

RESIGNATION K. A. Shelstad (Asst Prof. of Chem. Engin.).

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	195	..
Women	..	..
Total	195	..

Included in the above are 3 postgraduate students, 1 special student and 114 who were enrolled in the junior yr.

DEGREES. B.E. in Civ. Engin., 30; B.E. in Electr. Engin., 16; B.E. in Mech. Engin., 25; B.E. in Mining Engin., 2; B.E. in Chem. Engin., 6; B.E. in Metall. Engin., 1; B.E. in Mech. Engin., with Hons., 2; B.E. in Metall. Engin., with Hons., 3; M.E., 4.

UNIVERSITY OF OTTAWA

Founded 1848; incorporated as a University 1866

Postal Address: Laurier Avenue, Ottawa, Ontario, Canada.
Telephone: Ottawa 5-6751.

VISITOR—The Hon. LOUIS O. BREITHAUPT, Lieut.-Governor of Ontario.

APOSTOLIC CHANCELLOR—H.E. the Most Rev. M.-J. LEMIEUX, Archbishop of Ottawa.

RECTOR—Rev. R. NORMANDIN, S.T.L. Rome, Ph.D.

VICE-RECTORS—Rev. M. BÉLANGER, B.A. Montr., Ph.L. Rome, S.T.D., Dean of Fac. of Theology; Rev. P. CORNELLIER, Ph.D., S.T.D. Rome.

SECRETARY-GENERAL—Rev. M. BEAUCHAMP, Ph.D., S.T.L.

TREASURER—Rev. I. PIGEON, B.A., J.C.B.

COUNCILLORS—Rev. A. CARON, Ph.D., S.T.D., J.C.D., Dean of Fac. of Canon Law; Rev. R. LAVIGNE, Ph.L., S.T.B., Dean of Fac. of Arts.

LIBRARIAN—Rev. A.-M. MORISSET, M.L S. Col., B.A., J.C.L.

TEACHING STAFF

Accounting

Trudeau, Rev. R., M.Com. Tor., B.A. Montr., L.Ph. Asst. Prof
Marchand, J. - P., B.Com., M.Com.Sc. Montr. Lectr.
Latendresse, R., B.Com. Lectr.

Anatomy

Auer, J., M.D., D.M.Sc. Ley. Prof. and Hd. of Dept.
Menschik, Z., Ch.B., M.D. Cracow Assoc. Prof.
Bohartichuk, F., M.D., D.M.Sc. Kiev Res. Assoc. and Lectr.
Coutu, J. N., M.D. Montr. Demr.
Shapiro, E., M.D. Tor. Demr.

Architecture and Drawing

Lefort, B., P.D.B.A. (Fine Arts) Montr. Pt.-time Lectr.

Astronomy

Hargreaves, J., F.R.A.S. (on leave) Lectr.

Auditing

Ménard, R. Pt.-time Lectr.

Bacteriology, v. Medicine, *infra*

Biochemistry

Ettori, J., M.D. Paris Prof. and Hd. of Dept.
Ryan, M.T., M.Sc.
Robertson, Florence E., M.Sc. Instr.

Biology

LeBel, W., B.A., M.D. McG. Pt.-time Prof. and Hd. of Dept.
von Bertalanffy, L., Ph.D. Vienna Prof.
Legault, Rev. R., M.Sc. Wash., B.A. Assoc. Prof.

Vaillancourt, J., B.Sc. Laval Lectr.
LaHam, Q., B.A. Ripon, M.Sc. Marquette Lectr.

Business Administration

Casselman, H., Ph.D. (Pol. Sc.) Temple, B.Com., M.A. (v. also Pers. Management and Pol. Sc.) Pt.-time Lectr.

Canon Law, v. *infra*

Cartography

Gajda, R., M.Sc., M.A., Ph.D. Cracow Pt.-time Lectr.

Chemistry

Gendron, P., B.Sc., D.Ph. Montr. Dean, Fac. of Sci.

Professors

Renaud, Rev. E., M.Sc. Lille, B.A., L.Ph., D.Sc., F.C.I.C.
Caron, Rev. D., M.A., M.Sc., Ph.L., S.T.L.

Associate Professor

Ouellette, L., B.A., B.Sc.App., D.Sc. Laval.

Lecturers

Harbic, D., B.A., B.Sc.
Boivin, P.-A., D.Sc. Laval.
Gagné, Rev. T., M.A., Ph.L., S.T.L., Dipl.Chem. Laval

Part-time Lecturers

Bywater, S., B.Sc., Ph.D. Leeds
Depocas, F., M.Sc., Ph.D. Montr.
Kutschke, K., B.Sc. W. Ont., Ph.D. Roch.
Morrison, J. A., M.Sc., Ph.D Alta.
Puddington, I. S., B.Sc. Mt.All., M.Sc., Ph.D. McG.

Civil Law

Part-time Lecturers

Aylen, J. A.
Bédard, R., Q.C., LL.L. Montr., B.A., Ph.L.
Boucher, J.
Brisset, J.
Caron, G., B.C.L. McG., B.A.
Favreau, G., LL.B. Montr.
Gobeil, C. E., Q.C., B.A., Ph.L., LL.L. Laval.
Labbé, A., Q.C., LL.L., B.A., Ph.L. Laval.
Latrémouille, Rev. R., J.U.L. Rome, B.A., Ph.D., J.C.D. (v. also Canon Law).
Maranda, J. G., LL.D. Montr.
Mercier-Gouin, L.
Nadeau, A.
Ollivier, M., Q.C., B.A., LL.L. Laval, LL.D. Montr., F.R.S.C.
Quain, R.
Stein, C., Q.C., B.A., Ph.L., LL.L. Laval.
Taschereau, Hon. R., Chev. Lég. d'H., B.A., LL.L. Laval, LL.D. Laval and Montr., Hon. LL.D.

Classics: Greek

Rakus, A., M.A., Ph.D. Bratislava (v. also Classics : Latin) Assoc. Prof.

Classics: Latin

Professors

Houde, Rev. R., B.A., L.Ph., S.T.B.
Gareau, Rev. E., Ph.B. Rome, L.Litt. Laval, D. de l'U. Paris, B.A., Ph.L.
Rakus, A., M.A., Ph.D. Bratislava (v. also Classics : Greek) Assoc. Prof.
Poliquin, J.-M., B.A., Ph.L., S.T.B. (v. also French) Lectr.
Lacombe, H., M.A., Ph.B. Lectr.
Bragato, P. B., D.Litt. Padua Lectr.

Commercial Law

Anka, M., B.Com. Pt.-time Lectr.

Economics

Associate Professors

Forcier, Rev. G., M.A., Sec. of Sch. of Pol. Ec. and Soc. Sc.

Brault, Rev. F., Ph.D. St. Louis, M.A., Ph.L., S.T.L. Hd. of Dept.

Lecturers

Judek, S., M.A. St. And., Ph.D. Edin.

Stukel, A., M.Ec. Ljubljana, Ph.D. Bologna (Pt.-time).

Taylor, C. D., M.A. Tor. (Pt.-time).

Education

Shevenell, Rev. R., M.A., Ph.D (v. also Psychol.) Prof., Dir. of Inst. of Psychol.

Associate Professors

Chagnon, M., M.A., Ph.L. (v. also Psychol.).

Paplauskas-Ramunas, A., M.Litt. Kaunas, Ph.D. Vienna (v. also Psychol.).

Lecturers

Sidlauskaus, Agatha, Ph.D. Milan

Lalende, Mrs. Eva, M.A.

Lavigne, R., B.A., Ph.B. (Pt.-time).

Electricity

Beauchesne, L.-A., B.A., B.Sc. Laval (v. also Mechanics and Maths.) Prof.

English Lang. and Lit.

Bradley, Rev. F., M.A., Ph.D. (v. also Hist.) Prof.

O'Grady, E., B.A., Ph.D. (v. also Public Speaking) Prof.

Farrell, J. K., M.A. W. Ont. Lectr.

McGuinty, D. J., B.Com., M.A. Colgate Lectr.

Piché, P., B.A. Pt.-time Lectr.

French

Marion, S., D.Litt. Paris and Montr., M.A., F.R.S.C. Emer. Prof.

Julien, Rev. B., Ph.L. Rome, L.Lett. Paris, B.A., S.T.L. Prof.

Hamel, Rev. C., B.A., Ph.L., S.T.B. Assoc. Prof.

Spekkens, J., M.A., D.Litt. Nimeguen, Cert. Lit. & Phon. Paris Asst. Prof.

Lecturers

Beaudet, A., B.A.

Brunet, M., M.A.

de Chantal, R., L.Lett. Paris, B.A.

Poliquin, J.-M., B.A., Ph.L., S.T.B. (v. also Classics: Latin).

Brunet, H., B.A.

Geography

Jost, T., M.Ph. Cracow (v. also Geol.) Lectr.

Nicholson, N. I., B.A., M.Sc. W. Ont., Ph D. Pt.-time Lectr.

Geology

Lecturers

Jost, T., M.Ph. Cracow (v. also Geog.).

Tremblay, L. P., B.A., M.Sc. Laval, Ph.D. Tor.

Sanchagrin, Rev. R., B.A.L.Sc. Laval, M.A. Br. Col.

German

Freed, P., B.Com. Pt.-time Lectr.

Graduate Studies, School of

Trudel, Rev. R., Dipl.Ph., Dipl. Psychol. Paris, B.A., Ph.D., S.T L., J.C.L. (v. also Philos.) Chairman.

Greek, v. Classics, *supra*

Histology and Embryology

Bélanger, L. F., B.A., M.D. Montr., M.A. Med.Sc. Harv. Prof. and Hd. of Dept.

History

Professors

Thivierge, Rev. E., M.A., Ph.L., S.T.B. Vice-Dean, Fac. of Arts.

Bradley, Rev. F., M.A., Ph.D. (v. also English Lang. and Lit.).
Buxton, G., M.A. Manit., D.Lett. Paris.

Associate Professors

Brault, L., M.A , Ph.D.
Corriveau, Rev. P., L.Litt. Paris, B.A. Laval, S.T.B.

Italian

Royal, Rev. E., M.A. Laval, Ph.L., S T.D. Rome Prof.

Journalism

Saint-Arnaud, B. A. Pt.-time Lectr.

Latin, v. Classics, *supra*

Library Science, School of

Morisset, Rev. A.-M., M.L.S. Col., B.A., J.C.L. Prof. and Dir. of School.
Ringrose, Enid, B.A., B L.S. Pt.-time Lectr. & Asst. Librarian.
Aubry, C., B.A., B.L.S. McG. Pt.-time Lectr.
Brunet, J., B.A., B.L.S., McG. Pt.-time Lectr.
Chabot, Juliette, B.A., B.L.S. McG. Pt.-time Lectr.
Desrochers, F., B.A., LL.L. Montr. Pt.-time.
Gouthreau, Olive, M.A., B.L.S. McG. Pt.-time.
Hamilton, R., B.A., B.L.S. McG. Pt.-time.
Lamb, W. K., M.A., Ph.D., LL.D. Paris Pt.-time.
Lanctôt, G., B. L., LL.D., LL.M. Oxon., D.Litt. Paris, F.R.S.C. Pt.-time Emer. Prof.
Sylvestre, G., M A., L.Ph., F.R.S.C. Pt.-time.

Mathematics

Professors

Dubé, Rev. H., Ph.D. Rome, D.Sc. Lille (v. also Phys.).
Lavigne, Rev. R., B.A., Ph.L., S.T.B. (v. also Phys.) Dean, Fac. of Arts, Prof.
Cloutier, Rev. G., B.A., Ph.D., S.T.L.

Associate Professor

Vachon, L., B.A., M.Com. Montr.

Assistant Professor

Allard, J. L., B.A., L Ph.

Lecturers

Beauchesne, L.-A., B.A., B.Sc. Laval (v. also Electr. and Mechanics).
Biberstein, O., L. ès Sc. Stras.
Hébert, G., B.Sc. (v. also Phys.).
Duprat, J. T., B.A., M.Sc. (Math.) Laval.
Vincent, R., B.A., Ph.L. Pt.-time.
Grandchamp, Y., M.Sc. Montr

Mechanics

Lecturers

Beauchesne, L.-A., B.A., B.Sc. Laval (v. also Maths. and Electricity).
Carrier, L. M., B.A., B.Sc.A. Montr. Pt.-time.
Lefaivre, J., B.A., B.Sc. (Phys.) Laval.

Medicine, v. *infra*

Missiology, Institute of

Champagne, Rev. J. E., Miss.D. Rome, M.A., Ph.L., S.T.B. Prof. and Dir. of Inst.

Music, School of

Martel, Rev. J., B.A., J.C.B. Dir. of School.

Nursing, School of

Gendron, Rev. R., M.A., S.T.L. Dir. of Sch.

Personnel Management

Casselman, H., Ph.D. (Pol. Sc.) Temple, B.Com., M.A. (v. also Business Admin. and Pol. Sc.) Pt.-time Lectr.

Philosophy

Professors

Gendron, Rev. J., B.A., Ph.D., S.T.L. (v. also Religion).

Dufour, Rev. P., Ph.D. Chic., M.A., S.T.B. (v. also Pol. Sc.) Prof.

Associate Professors

Perron, Rev. L., B.A. (v. also Religion).

Gadouas, Rev. O., B.A., L.Ph., S.T.B.

Simon, Rev. L.-M. (v. also Religion).

Allard, J. L., B.A., L.Ph. Asst. Prof.

Physical Education, Institute of

Montpetit, Rev. M., B.A. Dir. of Inst. and Prof.

Dion, R., M.A. (Ph.Ed.) N.Y., B.A. Asst. Prof.

Lecturers

Bedecki, T., M.Ph. Educn. Springfield, B.A. St. F.X.

Physics

Dubé, Rev. H., Ph.D. Rome, D.Sc. Lille (v. also Maths.) Prof.

Poupart, Rev. H., Ph.D., S.T.D. Rome Prof.

Lavigne, Rev. R., B.A., L.Ph., S.T.B. (v. also Maths.) Dean, Fac. of Arts., Prof.

Cloutier, R., B.A.Sc. Laval Lectr.

Hébert, G., B.Sc. (v. also Maths.) Lectr.

Hébert, J., M.Sc. (Physics) Montr.

Lefaivre, J., B.A., B.A.Sc., M.Sc. Laval.

Schubert, E. J., B.Sc., Ph.D. Vienna.

Physiology, v. also Medicine, *infra*

Marcotte, Rev. F.-X., Ph.D., S.T.D. Rome (v. also Religion) Prof.

Polish Lang. and Lit., v. Slavic Studies Centre, *infra*

Political Science, School of

Bélanger, Rev. J.-M., B.A., Ph.L., S.T.L. Prof. and Dir. of Sch.

Dufour, Rev. P., Ph.D. Chic., M.A., S.T.B. (v. also Philos.) (on leave) Prof.

Lecturers

Casselman, H., Ph.D. (Pol. Sc.) Temple, B.Com., M.A. (v. also Personnel Management and Bus. Admin.) Pt.-time.

Rodys, W., LL.D. Berl., Ph.D., Pol.Sc.D. Pt.-time.

Ollivier, M., Q.C., B.A., LL.L. Laval, LL.D. Montr., F.R.S.C. Pt.-time.

Forcier, Rev. G., M.A. (v. Econ., *supra*).

Pépin, J. L., Dipl.Pol.Sc. Paris, B.A., Ph.L. Pt.-time.

Czako, S. A , M.Com., Pol.Sc.D. Budapest, Dipl. Int. Law Harv. Pt.-time.

Brault, Rev. F., Ph.D. (Ec.) St. Louis, M.A., Ph.L., S.T.L. (v. also Econ., *supra*).

Blanchette, A., M.A., Ph.D. Pt.-time.

Roussin, M , Ph.D. Pt.-time, Dir. of Pan-Amer. Inst.

Psychology, v. also Medicine, *infra*

Shevenell, Rev. R., M.A., Ph.D. (v. also Educn.) Prof. and Dir. of Inst. of Psychol.

Associate Professors

Chagnon, M., M.A., Ph.L. (v. also Educn.).

Szyrynski, V., M.D. Warsaw, Ph.D. Lond. (v. also Psychiat., *infra*). Pt.-time.

Paplauskas-Ramunas, A., M.Litt. Kaunas, Ph.D. Vienna, Dipl. Ling. Paris (v. also Educn.).

Dayhaw, L., Ph.D. Louvain.
Sidlauskaus, Agatha, M.A. Kaunas, Ph.D. Milan
Asst. Prof.

Lecturers
Joly, J.-M., M.A.
Vaillancourt, R., B.A., B.Sc., B.Ed.
Chagnon, G., B.A., Ph.B.

Psycho-Physiology
Côté, F., M.D., M.S. Tor., B.A., Ph.L., F.R.C.S. (v. also Surg., *infra*) Pt.-time Prof.
Gratton, Rev. H., M.A., Ph.D., S.T.L. Lectr.

Public Administration

Lecturers
Lefebvre, O., B.A. Pt.-time.
Morisset, G., LL.L. Montr., M.A., Ph.L.

Public Speaking
O'Grady, E., B.A., Ph.D. (v. also English Lang. and Lit.) Prof.

Religion

Professors
Marcotte, Rev. F.-X., Ph.D., S.T.D. Rome (v. also Physiol.).
Gendron, Rev. J., B.A., Ph.D., S.T.L. (v. also Philos.).

Associate Professors
Perron, Rev. L., B.A. (v. also Philos.).
Simon, Rev. L.-M. (v. also Philos.).

Russian, v. Slavic Studies Centre, *infra*

Slavic Studies Centre, v. *infra*

Social Work
Bowers, Rev. S., M.Sc. Col., B.A. Prof. and Dir. of School (St. Patrick Coll.).

Sociology
Forcier, Rev. G., M.A. Assoc. Prof.
Beaupré, L., M.S.Sc. Montr., B.A. Pt.-time Lectr.

Spanish
Lozano, L., M.A. Málaga Pt.-time Lectr.

Statics
Cloutier, Rev. G., B.A., Ph.D., S.T.L. Prof.

Theology, v. *infra*

Translation
Arnould, Mrs. I., B. ès L Paris Lectr.
Daviault, P., F.R.S C. Pt.-time Lectr.

Medicine

(for subjects of first two years—Anat., etc., v. *supra*)

Anæsthesia

Lecturers
Bonfield, J. P., M.D. McG.
Law, D., M.D., C.M. Qu.
Sauvé, N., M.D. Montr.

Anatomy, v. *supra*

Bacteriology
Gibbons, R. J., M.A., M.D., D.P.H. Tor. Prof.
Day, J. J., B A., M.D., C.M., D.P.H. McG. Prof.
Bobra, S. T., M D. Lwow Asst. Prof.
Thibault, J. P., M.D. Lectr.

Biochemistry, v. *supra*

Dermatology
Kingma, H., M.D. Groningen Lectr.

Ethics

Lecturers
Loranger, Rev. R.
Simon, Rev. L.-M. (v. also Philos. and Religion).
Chaput, Rev. R., Ph.L., S.T.L., J.C.D.

Gynæcology, v. Obstetrics and Gynæcology, *infra*

Medical Jurisprudence

Lecturers

Klotz, M. O., M.D. Tor.
Mercier, R., Q.C.

Medicine

Fidler, A., M.D. Warsaw
Prof. and Hd. of Dept.

Lecturers

Bédard, O., B.A., M.D. Laval
Church, H. B., M.D., C.M. McG.
Fortier, B., M.D. Montr., B.A.
Gagné, R., M.D. Montr., B.A.
Law, W. B., M.D., C.M. Qu.
Moran, T. J., M.D. Qu.
Powers, A., M.D. Laval, B.A.
Roussel, L., M.D. Montr., B.A.
Tittley, J. R., B.L., M.D. Montr.
Tremblay, N., B.A., M.D. Laval.
Layton, B., B.A., M.D. Tor., M.P.H. Harv.
Smiley, R. K., B.A. Sask., M D. Qu., F.R.C.P.Can.

Clinical Assistants

Beairsto, A. W., M.D. Tor.
Julien, Lucille, M.D. Montr., B.A.
Maziec, K., M.B., Ch.B. Edin.

Medicine, History of

Young, C., M.D., C.M. McG., F.A.C.S. Prof.
Mantha, L., M.D. Montr. Lectr.

Obstetrics and Gynæcology

Richard, A. L., B.A. St. Anne N.S., M.D. Laval
Pt.-time Prof. and Hd. of Dept., Dean of Fac. of Med.
de Saint-Victor, H., B.A., M.D. Laval Pt.-time Assoc. Prof.
Hurtig, A., B.A., M.D. Alta.
Pt.-time Asst. Prof.
Nuyens, A. J., M.D., M.Sc. Utrecht
Pt.-time Asst. Prof.
Brisson, G., B.A., M.D. Laval, F.A.C.S. Pt.-time Lectr.
Noël, M., B.A., M.D. Montr.
Pt.-time Clin. Asst.

Ophthalmology

Gilhooly, J. P., M.D. McG.
Prof. and Hd. of Dept.
Allen, D., M.D., C.M. Qu.
Asst. Prof.

Oto-laryngology

Coupal, J. L., M.D. Montr.
Pt.-time Prof. and Hd. of Dept.
Corriveau, A. R., B.A., M.D. Laval
Lectr.
Laframboise, G., M.D. Montr.
Lectr.

Pædiatrics

Conway, D. J , M.A., M.D. Camb.
Pt.-time Prof. and Hd. of Dept.

Lecturers (part-time)

Viau, H., M.D. Montr.
Bourque, H., B.A., M.D. Montr.
Maloney, P. J., M.D., C.M. Qu.
de Bellefeuille, P., M.D. Montr., B.A.
Moritz, D., M.D. Bud.

Parasitology

Cameron, T. W. M., T.D., M.A., D.Sc. Edin., Ph.D. Lond., F.R.S.C. Visiting Prof.

Pathology

Magner, D., B.Sc., M.D. Tor.
Prof.
Campbell, J. S., B.Sc., M.D. Dal.
Asst. Prof.
Mitchell, A., B.V.Sc. Tor., D.V.M. Montr., F.R.S.C.
Pt.-time Asst. Prof.

Fellows in Pathology

Burke, P., M.D.
Coholan, F. G., B.Sc., M.D.
Conklin, F., M.D.

Lecturers

Gatwin, R., D.V.M., D.V.Sc. Tor.
Pt.-time
Plummer, P. G. J., D.V.M., Tor.
Pt.-time

Pharmacology

Murnaghan, M., M.B., M.S. N.U.I. Prof.

Physiology, v. also *supra*

Beznak, A. B. L., M.D. Debrecen Prof.

Beznak, Mrs. Marg., M.D. Lectr.

Psychiatry

Stern, K., M.D. Frankfurt Pt.-time Prof. and Hd. of Dept.

Voyer, V., M.D. Laval Asst. Prof.

Lugsdin, G. N., B.A., M.D. Tor. Lectr.

Cathcart, J. P. S., M.B. Tor. Lectr

Chalke, F. C. R., M.D. M Sc.

Morin, G., M.D., C.M. Qu.

Dansereau, M., M.D.

Psychology

Shevenell, Rev. R., M.A., Ph.D. (v. also Educn.) Prof. and Dir. of Inst. of Psychol.

Associate Professor

Chagnon, M., B.A., L.Ph. (v. also Educn.).

Radiology

Mooney, B. R., M.D. W. Ont. Lectr.

Matzinger, K. E., M.D. Bratislava Clin. Asst.

Surgery

Valin, E., M.D., C.M. McG. Prof. and Hd. of Dept.

Ewing, J. B., M.D., C.M. Qu., F.R.C.S. Eng. and Can. Prof. of Clin. Surg.

Curran, D. D. G., M.D. Dub., F.R.C.S.Ed.

Peterson, E. W., B.Sc., M.D. McG.

Lecturers

Bélanger, P. B., M.D., C.M. McG.

Bonfield, J. P., M.D. McG.

Côté, F., M.D., M.S. Tor., B.A., Ph.L., F.R.C.S. (v. also Psycho-Physiol.).

Donovan, P. F, M.B., M.Ch., B.A.O. N.U.I., F.R.C.S.I.

Larocque, A., B.A., M.D. Montr.

Lecours, A., B.A., M.D. Laval.

Rossignol, J. C., B.A., M.D. Montr.

Irwin, G. E., B.A. Tor., M.D. Laval.

Clinical Assistants

Terrien, J., M.D. Laval, B.A.

Brunet, E., M.D. Montr.

Urology

Gaulin, E., M.D. Montr. Prof.

Canon Law

Caron, Rev. A., S.T.D., J.C.D., Ph.D. Prof. and Dean of Fac.

Chaput, Rev. R., Ph.L., S.T.L., J.C.D. Prof. and Sec. of Fac.

Latrémouille, Rev. R., J.U.L. Rome, B.A., Ph.D., J.C.D. Prof. and Vice-Dean of Fac.

Associate Professors

Lafontaine, Rev. P. H., B.A., S.T.L., J.C.D.

Lesage, Rev. G., M.A., Ph.D., J.C.D., D.S.Sc., D.Litt., S.T.L.

Vézina, L. P., B.A., Ph.L., S.T.L., J.C.L.

Lecturers

Beahen, H. P., B.A.

Ollivier, M., Q.C., B.A., LL.L. Laval, LL.D. Montr., F.R.S.C.

Philosophy

Professors

Trudel, Rev. R., Dipl.Ph., Dipl. Psychol. Paris, B.A., Ph.D., S.T.L., J.C.B. Prof., Dean of Fac. and Chairman of School of Grad. Studies.

Ducharme, Rev. S., B.A., Ph.D., S.T.B.
Prof. and Vice-Dean of Fac.
Carrière, Rev. G., S.T.L. Rome, B.A., Ph.D.
Prof. and Sec. of Fac.
Ostiguy, Rev. R., S.T.L. Rome, B.A., Ph.D.
Saint-Denis, Rev. H., Ph.D., S.T.D. Rome, B.Pæd. Tor., B.A.

Associate Professors

Allard, J. L., B.A., Ph.L.
Bélanger, J.-M., B.A., Ph.L., S.T.L.
Cournoyer, Rev. B., B.A., L.Ph., S.T.B.
Croteau, Rev. J., M.A., Ph.D., S.T.L.
Ducharme, L., B.A., S.T.L., Ph.L.
Gagnon, Rev. G., B.A., Ph.L.
Gratton, Rev. H., M.A., Ph.D., S.T.L.
Patry, Rev. M., S.T.L., Ph.D.
Lazure, Rev. J., B.A., L.Ph., S.T.L.
Pépin, J. L., Dipl.Pol.Sc. Paris, B.A., Ph.L.
Stroick, Rev. C., S.T.D. Bonn.

Theology

Professors

Bélanger, Rev. M., B.A. Montr., Ph.L. Rome, S.T.D.
Prof. and Dean of Fac.
Caron, Rev. V., S.T.D., Ph.D. Rome
Prof. and Vice-Dean of Fac.
Gervais, Rev. J., Ph.L. Rome, S.T.D.
Prof. and Sec. of Fac.
Allie, Rev. J. L., Ph.L., S.T.D., B.A.

Associate Professors

Boutin, L. N., B.A., Ph.L., S.T.D.
Champagne, Rev. J., Miss.D. Rome, M.A., Ph.L., S.T.B.
Dir. of Inst. of Missiology.
Dozois, Rev. L., L.S.S. Rome, Ph.L., S.T.D.
Gilbert, Rev. M., Ph.L. Rome, B.A., S.T.D.
Jetté, Rev. F., M.A., Ph.L., S.T.D.
Joppolo, Rev. A., S.T.L., Ph.D. Rome.
Marcotte, Rev. E., M.A., Ph.L., S.T.D.
Pagano, Rev. S., S.T.L., L.S.S., Ph.D. Rome.

Lecturers

Bellemare, Rev. R., B.A., Ph.L., S.T.L.
Chaput, Rev. R., Ph.L., S.T.L., J.C.D.
Drouin, Rev. P. E., B.A., Ph.L., S.T.L.
Giroux, Rev. M., S.T.L. Rome, M.A., Ph.L.
Guindon, Rev. R., B.A., Ph.L., S.T.L.
Hudon, Rev. G., Ph.L., S.T.L.
Laurin, Rev. R., Ph.L., S.T.L. Rome, D.Hist. Louvain, M.A., L.Pol.Sc.
Giguère, Rev. A., Ph.L., S.T.L.
Légaré, Rev. H., M.A., Ph.D. Lille Pt.-time.
Lesage, Rev. G., M.A., Ph.D., J.C.D., D.S.Sc., D.Litt., S.T.L.
Toupin, Rev. A., B.A., Ph.L., S.T.L.
Turcotte, Rev. R.

Slavic Studies Centre

Lavigne, Rev. R., B.A., Ph.L., S.T.B.
Dir. (v. also Maths. and Physics).
Bida, C., Ph.D. Vienna
Pt.-time Lectr.
Wanczycki, J. K., M.Litt. Lwów, Ph.D., Dipl.Pol.Sc. Paris
Lectr. and Sec.

Kaye, V. J., M.A., Ph.D. Vienna
Assoc. Prof.

Lecturers

Jost, T., M.Ph. Cracow.
Paplauskas-Ramunas, A., M.Litt. Kaunas, Ph.D. Vienna.
Rudnytsky, Rev. W. A., Ph.L. Greg., S.T.D. Ath. Urb., J.C.D., LL.D. Pont. Inst.
Pt.-time.
Zmurkevych, Mrs. S., Ph.M. Lwów, Ph.D. Pt.-time.
Wyczynski, P., L.Litt. Lille., Dipl. Gr. Slav Stud. Lille
Pt.-time.

Summer School

Beauchamp, Rev. M., Ph.D., S.T.L. Dir.

Correspondence Department

Spekkens, J , M A., D.Litt. Nimeguen.

High School (within the Univ.)

Lemieux, Rev. R., M A., L.Soc.Sc.
Principal.

Normal School (within the Univ.)

Lamoureux, Rev. R., B.A., S.T.B., Ph.D. Principal.

ADMINISTRATIVE AND OTHER STAFF

Rector of the University Seminary : Rev. J. C. Laframboise ; Students' Chaplain : Rev. E. Thivierge ; Dir. of Athletics : Rev. M. Montpetit, B.A. ; Dir. of Univ. of Ottawa Press : Rev. L. Lanctôt ; Dir. of the *Revue de l'Université d'Ottawa* : Rev. M. Bélanger ; Moderator of the Students' Federation : Rev. L. Ducharme ; Dir. of the Catholic Centre : Rev. A. Guay ; Dir. of the Social Centre : Rev. A. Toupin ; Archivist : Rev. J. Gravel ; Univ. Physician : P. Bélanger, M.D., C.M. McG. ; Legal Advisers : G. Vincent, Q.C., J. T. Richard ; Prefect of Discipline : Rev. M. Beauchamp ; Dir. of Guidance Centre : Rev. R. Shevenell ; Dir. of Pub. Relations : Rev. A. Guay.

AFFILIATED INSTITUTIONS *

BRUYÈRE COLLEGE, 200 Rideau St., Ottawa, Ont. (*Telephone* : Ottawa 5-7246.) Directress—Rev. Sr. Marguerite d'Youville. Women only.

CATHOLIC COLLEGE OF GRAVELBOURG, Gravelbourg, Sask. (*Telephone* : Gravelbourg 95.) Rector—Rev. I. Tourigny. Men only.

CLASSICAL COLLEGE, Cornwall, Ont. Superior—Rev. E. Charlebois. Men only.

CLASSICAL COLLEGE, Rouyn, Que. Superior—Rev. R. Duguay. Men only.

NOTRE-DAME COLLEGE, 172 Elgin St., Ottawa, Ont. (*Telephone* : Ottawa 4-2876.) Directress—Rev. Sr. St. George-Marie. Women only.

NOTRE-DAME COLLEGE, Wilcox, Sask. (*Telephone* : Wilcox 24.) Director—Rev. Athol Murray. Co-educational.

SACRED HEART SCHOLASTICATE, Lebret, Sask. (*Telephone* : Fort Qu'Appelle 23, 47.) Director—Rev. G. Nogues. Men only.

ST. JEROME'S COLLEGE, Kitchener, Ont. (*Telephone* : Kitchener 2-3154.) Director—Rev. J. L. Arnold. Men only.

ST. JOHN'S COLLEGE, 8406 91st St., Edmonton, Alta. Director—Rev. F. Thibault. Men only.

* For B.A. only.

ST. THOMAS COLLEGE, Battleford, Sask. (*Telephones*: North Battleford 2212; Battleford 23.) Director—Rev. G. Kuckartz. Men only.

THE SEMINARY, 71 Rideau Terrace, Ottawa, Ont. (*Telephone*: Ottawa 6-1971.) Superior—Rev. N. Gélineau. Men only.

GENERAL INFORMATION

The "College of Bytown," incorporated in 1849, changed its name in 1861 to "College of Ottawa," and became in 1866 the Univ. of Ottawa with power to grant degrees. By a papal brief dated Feb. 5, 1889, it was accorded the status of a Catholic University. The Univ. is conducted by the Oblate Fathers of Mary Immaculate. Special aim: to provide students of English or French descent with a thorough bilingual education based on Catholic principles.

The Fac. of Arts of St. Patrick's Coll., established in 1932, is an integral part of the Fac. of Arts of the Univ. of Ottawa. The Sch. of Social Work of the Univ. of Ottawa is located at St. Patrick's Coll.

CONSTITUTION. In all matters academic, supreme power and authority rests with the Senate, which is composed of the Great Chancellor, the Rector, the Deans and Dirs. of Facs. and Schools, and the members of the Council of Admin. The admin. powers are vested in the Council of Administration composed of the Rector, Vice-rectors, Sec., Treasurer and 2 councillors, all of them belonging to the Oblates of Mary Immaculate. This body is advised by Senate on academic matters and by the Bd. of Regents (7 members chosen among prominent laymen) on financial matters.

LANGUAGES OF INSTRUCTION. Bilingual: French and English.

EQUIPMENT. LIBRARIES: 200,000 vols. The Parliament Library to which the students have access has 525,000 vols. MUSEUMS: access to the Geol. Survey Dept. Museum; the Dominion Observatory and Canadian Fisheries Museum are located in Ottawa. LABORATORIES: Anat., Bacteriol., Chem., Phys., Physiol., Biochem., Psychol.

FACULTIES AND DEANS. *Arts and Comm.*, Rev. R. Lavigne; *Canon Law*, Rev. A Caron; *Civil Law*, Hon. G. Fauteux; *Med.*, Dr. A. L. Richard; *Philos.*, Rev. R. Trudel; *Pure and Appl. Sci.*, P. Gendron; *Theol.*, Rev. M. Bélanger.

SCHOOLS AND DIRECTORS. *High School*, Principal: Rev. R. Lemieux; *Library*, Rev. A.-M. Morisset; *Music and Elocution*, Rev. J. Martel; *Normal*, Principal: Rev. R. Lamoureux; *Nursing*, Rev. R. Gendron; *Political Science*, Rev. J.-M. Bélanger.

INSTITUTES AND DIRECTORS. *Missiology*, Rev. J. E. Champagne; *Psychology*, Rev. R. Shevenell; *Physical Education*, Rev. M. Montpetit; *Slavic Studies Centre*, Rev. R. Lavigne.

GEOGRAPHICAL LOCATION. Theol, Philos. and Canon Law: 249 Main St., *Telephone*: 3-8493; Arts: 112 Waller St., *Telephone*: 5-6751, loc. 224; Pure and Applied Science: 700 King Edward St., *Telephone*: 5-6751, loc. 265; Med.: 275 Nicholas St., *Telephone*: 5-6751, loc. 283; Civil Law: 125 Wilbrod, *Telephone*: 5-6751, loc. 260; Music and Elocution: 233 Nicholas, *Telephone*: loc. 278; Nursing Sch.: 30 Stewart St., *Telephone*: loc. 238; Catholic Centre: 1 Stewart St., *Telephone*: loc. 245.

ENTRANCE REQUIREMENTS. Junior matriculation, Ontario Grade XII or the equivalent. *See also* Appendix I.

DEGREE COURSES. *Theology*—S.T.B. (2 yrs.), S.T.L. (4 yrs.), S.T.D. (5 yrs.), D.Miss. (3 yrs.). *Canon Law*—J.C.B. (1 yr.), J.C.L. (2 yrs.), J.C.D. (3 yrs.). *Philosophy*—Ph.B. and B.A. (2 yrs.), Ph.L. and M.A. (3 yrs.), Ph.D. (4 yrs.). *Law*—LL.B. and LL.L. (3 yrs.), LL.D. (honorary only). *Medicine*—M.D. (6 yrs.). *Arts*—B.A. (4 or 5 yrs.), B.Sc. (4 yrs.), B.Com. (4 yrs.), M.A., Ph.D., D.Litt. (2 to 3 yrs.). *Pure and Applied Sc.*—B.Ap.Sc. (Chem.) (5 yrs.), Hon. B.Sc. in Chem., Math. and Physics (5 yrs.), Pass B.Sc. (4 yrs.), M.Sc. and Ph.D. in Chem. Math. and Phys. (2 to 3 yrs.). *Social and Political Science*—B.A. (4 yrs.), B.Pol.Sc. (5 yrs.), M.A. (Pol. Sc.), Ph.D. (Pol. Sc.). (2 to 3 yrs.). *Nursing*—B.N. Sc. (5 yrs.). *Library Science*—B.L.S., M.L.S. (2 to 3 yrs.). *Psychology*—B.A. (4 yrs.), B.Ed. (4 yrs.), B.Psych. (5 yrs.). *Physical Education*—B.A. (4 yrs.), B.Sc. (4 yrs.).

DIPLOMAS. Graduate studies, School of Nursing (3 yrs.), School of Library Science, School of Music.

CERTIFICATES. Gregorian Chant, Music, Elocution, Library Science, Applied Science, Political Science, Nursing (Public Health).

SUMMER COURSES in Arts and Science, Philos., Psychol., Theol. and Canon Law, Church Music, Phys. Ed., Grad. studies.

CORRESPONDENCE COURSES in Arts only.

FEES. (For tuition only.) Theol., Canon Law and Philos., $150 p.a. Civil Law, $275 p.a. Med.: 1st yr., $320; other yrs., $375 p.a. Sch. of Grad. Studies, $10 to $15 per semester hour. Fac. of Arts: 1st yr., $180; other yrs., $210 p.a. Phys. Educn., $250 to $350 p.a. Engin.: pre-engin., $250, 2nd and 3rd yrs., $325 p.a., 4th and 5th yrs., $350 p.a. Pol. Scis., $175. Pure Sc.: $325 p.a. Sch. of Nursing: degree course, $237 p.a. Summer courses in Arts, $35 per subject. Evening courses in Arts, $35 to $45 per subject. Correspondence courses, $25 per subject. Graduate courses, $10 to $15 per credit.

RESIDENCE (for men). Accomm. for 275 in main building (fees: $400 p.a.; *Telephone*: 3-0471); University Seminary (249 Main St.), 140 (fees: $500 p.a.; *Telephone*: 3-8493); 700 King Edward St., 100 (fees: $450 p.a.; *Telephone*: 5-0151).

MILITARY TRAINING. Univ. Contingents prepare students for commissions in Canadian Army (Reserve), Canadian Navy (Reserve) and Canadian Air Force (Reserve).

PUBLICATIONS. *Revue de l'Université d'Ottawa* (quarterly, $3); *Calendars* of the different Faculties, Schools and Institutes; *Publications sériées* (40 vols. already published); University of Ottawa Normal School *Yearbook*; *Examination Papers* in Arts (50 cts. for each set); *The Fulcrum* and *Le Rotonde* by students.

UNIVERSITY OF OTTAWA PRESS, founded in 1937, publishes works of staff members and of grads. of the Univ. More than 60 vols. have now been offered to the public.

A special section, named Seriate Publications, edits exclusively Univ. works. At present it comprises 40 volumes.

THE YEAR 1952–53

NEW BUILDINGS. Construction of the Medical School Building continued.

EXTRA-MURAL WORK. 1116 students.

HONORARY DEGREES. *LL.D.*—H.E. Dr. Adenauer, Chancellor of Federal German Republic ; Rev. D. A. Cooray, Ceylon ; Hon. W. J. Dunlop, Min. of Education, Tor. ; Hon. G. Fauteux, Judge, Supreme Court, Ott. ; E. A. Gardner, Architect, city of Ott. ; Hon. A. Rivard, General Solicitor, Province of Quebec.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	2370	916
Women	368	992
Total	2738	1908

Postgraduate students, 461.
New admissions, 290.
Students from other countries : U.S.A., 203 ; others, 56.

DEGREES. B.A., 196 ; B.Ed., 4 ; B.A. (Psych.), 1 ; B.A. (Fr.-Lat.), 1 ; B.A. (Ed. Phys.), 1 ; B.A. (Phil.), 8 ; B.Com., 24 ; B.Sc., 22 ; B.Sc. (Ed. Phys.), 6 ; B.Sc. (Psych.), 1 ; B.Sc.Pol., 4 ; Ph.B., 48 ; S.T.B., 26 ; J.C.B., 4 ; B.L.Sc., 6 ; B.Sc.N., 3 ; M.A., 15 ; M.Ph., 1 ; Ph.L., 16 ; S.T.L., 4 ; J.C.L., 1 ; Ph.D., 12 ; Ph.D. (Ec.), 1 ; J.C.D., 1 ; S.T.D., 4 ; M.D., 49.

DIPLOMAS AND CERTIFICATES. Music, 1 ; Appl. Sc., 41 ; Nursing (Pub. Health), 12 ; Nursing (Nursing Ed.), 11 ; Library Sc., 2.

QUEEN'S UNIVERSITY*

Founded 1841

Postal Address: Kingston, Ontario, Canada.
Telephone (General information): Kingston, Ont., 3733.

CHANCELLOR—The Hon. C. A. DUNNING, LL.D. Montr., McG., Qu. and Sask.

CHAIRMAN OF THE BOARD OF TRUSTEES—J. M. MACDONNELL, M.C., Q.C., M.A., LL.D., M.P.

VICE-CHANCELLOR AND PRINCIPAL—W. A. MACKINTOSH, C.M.G., Ph.D. Harv, LL.D. Manit., Laval, Brown, St. And, St. F.X., Tor, D.C.L. Durh., M.A., F.R.S.C.

RECTOR—L. W. BROCKINGTON, C.M.G., Q.C., B.A. Wales, D.C.L. Bishop's, LL.D. Syr., Alta., W. Ont. and Qu.

VICE-PRINCIPAL—J. A. CORRY, LL.D. Sask., B.C.L. Oxon., F.R.S.C.

DEANS—*Arts*—R. O. EARL, S.M., Ph.D. Chic., B.A.; *Applied Science*—D. S. ELLIS, D.S.O., V.D., M.C.E. Corn., B.Sc., M.A.; *Medicine*—G. H. ETTINGER, M.B.E., B.A., M.D., C.M., F.R.S.C.; *Women*—A. VIBERT DOUGLAS, M.B.E., M.Sc., Ph.D. McG., F.R.A.S.

REGISTRAR—JEAN I. ROYCE, B.A.

LIBRARIAN—H. P. GUNDY, M.A. Tor.

TREASURER—M. C. TILLOTSON, M.B.E., M.B.A. Harv., B.Com.

TEACHING STAFF

Art

Biéler, A. Prof.
2 Assts.

Bacteriology, v. *infra*, Medicine

Biochemistry, v. *infra*, Medicine

Biology

Earl, R. O., S.M., Ph.D. Chic., B.A.
John Roberts Allan Prof.
Krotkov, G., B.S.A. Prague, M.A., Ph.D. Tor., F.R.S.C.
McLaughlin Res. Prof.
West, A. S., B.Sc. Mass. State, Ph.D. Yale (on leave) Prof.
Curran, H. W., B.S. Hobart Coll., A.M., Ph.D. Mich. Prof.
Good, H. M., B.A., Ph.D. Tor.
Assoc. Prof.
Bendell, J. F. S., B.A. Tor. Lectr.
Vallentyne, J. R. W., A.B., Ph.D. Yale Lectr.
Maxwell, Doreen E., M.A.
Lectr.
10 Tutors.

Chemical Engineering

Plewes, A. C., Ph.D. McG., M.Sc., F.C.I.C. Prof.
Butler, R. M., B.Sc., Ph.D. Lond.
Asst. Prof.
3 Demrs.

* Member of the Association of Universities of the British Commonwealth.

Chemistry

Professors

McRae, J. A., Ph.D., D.Sc. Manc., M.A., F.R.I.C., F.R.S.C.
Jones, J. K. N., B.Sc., Ph.D., D.Sc. Birm. Chown Sc. Res. Prof.
Frost, G. B., B.A. Tor., Ph.D. Calif.
Munro, L. A., M.A. Dal., Ph.D McG., F.R.S.C., F.C.I.C.
Dorrance, R. L., M.A. Tor.

Associate Professors

Smith, W. M., B.Sc. New Br., Ph.D McG. and Camb.
Moir, R. Y., Ph.D. McG., M.A.
Habgood, H. W., Ph.D. Mich., M.Sc. Lectr.

2 Fellows, 12 Tutors.

Civil Engineering

Professors

Ellis, D. S., D.S.O., V.D., M.C.E. Corn., B.Sc., M.A.
Lash, S. D., M.Sc. Lond., Ph.D. Birm., D.I.C.

Associate Professors

Brooks, J. W., M.A.Sc. Tor., B.Sc.
Lee, J. D., M.S. Iowa, B.Sc.
Martin, O., D.Eng. Danzig.
Kennedy, R. J., M.C., M.S. Iowa State, B.Sc.

Assistant Professors

Dauphin, E. L., M.S. Ill., B.Sc.
Edwards, H. M., B.Sc.

Lecturers

Kaldjian, M. J., B.A., B.S. Lebanon, M.Sc. Manit.
Longley, J. F., B.Sc.

3 Demrs.

Classics

Tracy, H. L., B.A. Tor., Ph.D. Chic. Prof.
Smethurst, S. E., M.A. Camb. Prof.
Macdonnell, Mary L., M.A. Asst. Prof.

3 Tutors.

Commerce and Business Administration

Smails, R. G. H., B.Sc. (Econ.) Lond., F.C.A. Dir. and Prof.
McDougall, J. L., M.A. Tor. Prof.
Leonard, W. G., F.C.A. Prof.
Macpherson, L. G., B.A. Manit. Prof.
Smyth, J. E., M.Com. Tor. Assoc. Prof.
Hand, R. J., B.Com. Manit., M.B.A. Chic. (on leave) Asst. Prof.
Monieson, D. D., B.Sc. Vermont, M.B.A. Miami Asst. Prof.

1 Tutor.

Drafting

Professors

Jackson, A., B.Sc.
Styles, H. J., M.S. Mich., B.Sc.

Special Instructors

Bews, D. W., B.Sc.
Cliff, G. S., B.Sc.
Dougherty, J. W., B.Sc.

2 Demrs.

Drama

Angus, W., A.M., Ph.D. Corn. Assoc. Prof.

1 Asst.

Economics, v. Polit. and Econ. Sc.

Electrical Engineering

Professors

Jemmett, D. M., D.C.M., M.A., B.Sc.
Stewart, H. H., M.S. Mich., B.Sc.
Pollock, H. S., M.Sc.
Doherty, R. A., B.Sc. Special Instr.

7 Demrs.

English

Professors

Alexander, H., M.A. Liv., F.R.S.C.
Vincent, C. J., B.A. W. Ont., A.M., Ph.D. Harv.

Ross, M. M., B.A. New Br., M.A. Tor., Ph.D. Corn.

Associate Professors

Walker, E. A., B.A. Tor., M.A. Camb.

Whalley, A. G. C., M.A. Oxon. and Bishop's, Ph.D. Lond.

Baxter, J. S., B.A. Br. Col. Lectr.

2 Assts., 13 Tutors.

French

Evans, W. H., B.A., D. de l'U. Paris Prof.

Shortliffe, G., M.A. Alta., Ph.D. Corn. Assoc. Prof.

Fauconnier, R. L., L. ès L. Rennes, Ag. de l'U. Assoc. Prof.

Ogier, J., L. ès L. Poitiers Lectr.

McConnell, Mme Jeanne M., Brevet Supérieur, Cert. d'Aptitude Péd. Paris Instr.

2 Tutors.

Geography

Innis, D. Q., B.A. Tor. Lectr.

Geological Sciences

Hawley, J. E., Ph.D. Wis., M.A., F.R.S.C., F.G.S.A. Miller Memorial Research Prof.

Ambrose, J. W., A.B. Stan., Ph.D. Yale, F.R.S.C., F.G.S.A. Prof.

Jolliffe, A. W., Ph.D. Prin., M.A., F.R.S.C., F.G.S.A. Prof.

Berry, L. G., M.A., Ph.D. Tor., F.R.S.C., F.G.S.A. Assoc. Prof.

Usher, J. L., B.A. Sask., M.Sc., Ph.D. McG. Asst. Prof.

Fitzpatrick, M. M., M.A. Tor. Asst. Prof.

Podolsky, T., M.Sc. Lectr.

Jones, R. E., M.A. Instr.

13 Tutors.

German

Laird, Hilda C., Ph.D. Corn., B.L.S. Pratt, B.A. Prof.

Eichner, H., B.A., Ph.D. Lond. Asst. Prof.

2 Assts., 1 Tutor

Hebrew, v. Semitic Langs.

History

Harrison, W. E. C., O.B.E., M.A. Lond. Prof.

Lower, A. R. M., M.A. Tor., Ph.D. Harv., LL.D. Br. Col., F.R.S.C. Douglas Prof.

Smith, Rev. W. E. L., M.C., M.A. Tor., Ph.D. Edin. Assoc. Prof.

Gibson, F. W., M.A. Assoc. Prof.

Seed, G., B.A. Durh., A.M. Mich., Ph.D. St. And. Asst. Prof.

2 Fellows, 3 Tutors.

Italian, v. Spanish and Italian

Mathematics

Jeffery, R. L., B.A., D.Sc. Acad., M.A., Ph.D. Corn., F.R.S.C. Dupuis Prof.

Miller, N., Ph.D. Harv., M.A. Prof.

Wood, F. M., M.A., B.Sc. Prof.

Halperin, I., M.A. Tor., Ph.D. Prin., F.R.S.C. (on leave) Prof.

Douglas, A. Vibert, M.B.E., M.Sc., Ph.D. McG., F.R.A.S. (Astronomy) Actg. Prof.

Edgett, G. L., M.A. Mt. All., Ph.D. Ill. Assoc. Prof.

Ellis, H. W., M.Sc. Acad., M.A., Ph.D. Tor. Asst. Prof.

Wertheim, D. G., B.A. McM., M.A. Tor. Lectr.

2 Assts , 9 Tutors.

Mechanical Engineering

Professors

Conn, H. G., O.B.E., M.S. Mich., B.Sc.

Campbell, J. S., M.Sc.

Associate Professors

Gilbert, W. D., S.M. M.I.T., B.Sc.

Rice, W. B., B.Sc. Sir G. Wms., B.Eng. McG.
3 Demrs.

Medicine, v. *infra*

Metallurgy

Lord, T. V., B.Sc. Prof.
Carson, O. A., A.M., Ph.D. Col., B.Sc. Prof.
Cliff, G. H., B.Sc. Sp. Instr.

Mining Engineering

Corlett, A. V., B.Sc.
Algoma Ore Properties Prof.
Jewett, G. A., B.Sc. Asst. Prof.
1 Asst.

Music

George, G., Mus.Doc. Tor.
Assoc Prof.

Nursing

Weir, Jenny, B.Sc. Alta., A.M. Col. (Pub. Health)
Director and Assoc. Prof.

Instructors

Wilson, G. E., M.D. Tor. (Mental Hyg.).
Moulton, Evelyn, B.N.Sc.

Philosophy

Duncan, A. R. C., M.A. Edin.
John and Ella G. Charlton Prof.
Estall, H. M., M.A. McG., Ph.D. Corn. Assoc. Prof.
Carter, W. B., M.A. Tor. Lectr.
5 Tutors.

Physical and Health Education

Bartlett, F. L., B.A. Tor. Dir.
Edwards, J. F., A.M. (P.E.) Mich., B.A. Assoc. Prof.
Tindall, F., A.B. Syr. Asst. Prof.
Ross, S. Marion, A.M. Col., B.A. Asst. Prof.
Lenard, A. L., B.A., B.P.H.E. Lectr.
Leggett, Dorothy, B.S. McG., M.Sc. Wis. Lectr.
2 Assts.

Physics

Professors

Sargent, B. W., M.B.E., Ph.D. Camb., M.A., F.R.S.C.
McLaughlin Res. Prof.
Watson, E. E., M.Sc. McG., Ph.D. Camb.
Harkness, H. W., M.Sc., Ph.D. McG., B.Sc., B.A.
Cave, H. M., Ph.D. Camb , M.A.
Roberts, D. T., B.Sc. Brist., Ph.D. Birm. Assoc. Prof.
Martin, W. M., Ph.D. McG., B.Sc. Assoc. Prof.

Assistant Professors

Trainor, L. E. H., M.A. Sask., Ph.D. Minn.
Love, H. M., Ph.D. Belf., B.Sc.
Allen, J. R., M.A. Lectr.
11 Tutors.

Physiology, v. *infra*, Medicine

Political and Econ. Science

Knox, F. A., B.A., F.R.S.C. Prof.
Curtis, C. A., B.A. Tor., Ph.D. Chic., F.R.S.C. (on leave)
Sir John A. Macdonald Prof.
Corry, J. A., LL.D. Sask., B.C.L. Oxon., F.R.S.C. Hardy Prof.
Cameron, J. C., M.Com.
Head, Industrial Relations Section, and Prof.
Crawford, K. G., M.A. W. Ont.
Hd., Inst. of Local Govt. and Prof.

Associate Professors

Curtis, C. H., M.A. (Industrial Relations).
Urquhart, M. C., B.A. Alta (on leave).
Hodgetts, J. E., M.A. Tor., Ph.D. Chic.

Assistant Professors
Slater, D. W., B.Com. Manit., M.A. Chic., B.A.
Meisel, J., M.A. Tor.
11 Tutors.

Psychology
Blackburn, J. M., B.Sc. Lond., Ph.D. Camb. Prof.
Smith, A. H., Ph.D. Tor., M.A. Assoc. Prof.
Laird, Isabel M., M.A., B.Ed. Edin. Asst. Prof.
Sutherland, J. S., M.A. Tor. Instr.
9 Tutors.

Russian
Krotkov, Valentina N., B.A. Moscow, M.A. Tor. Instr.

Semitic Langs. and Lit.
Gilmour, Rev. S. M., B.A. Manit., B.D. Union, Ph.D. Chic., D.D. Montr. (Hebrew and Religion) Prof.
Tushinzham, A. D., B.A., B.D. Tor., Ph.D. Chic. Asst. Prof.

Spanish and Italian
Hilborn, H. W., M.A., Ph.D. Tor. (Spanish and Italian) Prof.
Fox, A. M., M.A. Tor. (Spanish) Asst. Prof.
McDonald, J. K., B.A. Br. Col., M.A. Oregon (Spanish) Lectr.
4 Tutors.

Medicine

(for subjects of the first year—Chem., etc., v. *supra*)

Anæsthetics
Angrove, H. S., M.D., C.M. Lectr.
Campbell, W. A., M.D., C.M. Lectr.
Noble, A. B., M.D. Tor., F.A.C.A. Lectr.
Mahood, J. H. S., B.A., M.D., C.M. Clin. Asst.
Edwards, K. F., M.D. Tor. Clin. Asst.

Anatomy
Matheson, D. C., M.B. Prof.
Tomasch, J., M.D. Vienna Assoc. Prof.
1 Demr., 2 Fellows.

Bacteriology
Professors
Reed, G. B., O.B.E., M.A., B.Sc., Ph.D. Harv., LL.D. Sask., F.R.S.C.
Orr, J. H., M.D., C.M., F.R.C.P. Can., F.R.S.C.
Hinton, N. A., M.D , C.M., M.Sc. Med. Asst. Prof.
1 Demr.

Biochemistry
Beveridge, J. M. R., B.Sc. Acad., Ph.D. Tor., M.D. W. Ont. Craine Prof.
Hurst, R. O., B.A., Ph.D. Tor. Asst. Prof.
1 Asst., 3 Demrs.

Embryology
Kropp, B. N., A.M., Ph.D. Harv. Assoc. Prof.

Gynæcology, v. *infra*, Obstetrics and Gynæcol.

Medical Jurisprudence
Macdonnell, P. M., M.A., M.D., C.M. Lectr.
Hickey, J. M., Q.C., B.A. Lectr.

Medicine and Clin. Med.
Connell, W. F., M.D., C.M., F.R.C.P.Can., F.A.C.P. Prof.
Brown, G. M., D.Phil. Oxon., M.D., C.M., F.R.C.P.Can., F.A.C.P. Prof.
White, D. N., M.A., M.B., B.Chir. Camb., F.R.C.P.Can. Assoc. Prof.
Assistant Professors
Hopkins, B. H., M.B. Tor.
Kelly, H. G., M.D., C.M., F.R.C.P. Can.

Wilson, D. L., M.A., M.D., C.M.

Lecturers

Robinson, S., M.D., C.M
Tweddell, J. T., M.D., C.M.
O'Connor, F. D., M.D., C.M.
Danby, C. W. E., M.D., C.M., F.R.C.P.Can.
McCracken, G., M.D., C.M., F.R.F.P.S. Glas.

Clinical Assistants

Bird, H. G., M.B. Tor., F.R.C.P. Can.
Gibson, J. E., B.A., M.D., C.M.
Dingwall, R. W., M.D., C.M., M.Sc. (Med.).
Young, W. A., B.A., M.D., C M., F.R.C.P.Can.
Cronk, L. B., M.D., C.M., F.R.C.P. Can.
Fransman, S. L., M.D.
1 Fellow.

Obstetrics and Gynæcology

Robertson, E. M., M.B., Ch.B. Edin., F.R.C O.G., F R.C.S. Ed. and Can. Prof.
McLeod, P. A., B.A., M.D., C.M., F.R.C.O.G., F.R.C.S.Can. Assoc. Prof.
Mylks, G. W., B.A., M.D., C.M., F.A.C.S. Asst. Prof.

Ophthalmology

Rosen, D. A., B.Sc., M.D., C.M. McG. Asst. Prof.

Oto-rhino-laryngology

MacPherson, G. B., B.A., M.D., C.M. Lectr.

Pædiatrics

MacGregor, R. R., M.C., M.D., C.M., F.R.C.P.Can. Prof.
Delahaye, J. S., M.D., C.M. Lectr.
Bryans, A. M., M.D. Tor. Clin. Asst.
O'Connor, F. J., M.D., C.M. Clin. Asst.

Pathology

More, R. H., M.D. Tor., M.Sc. McG. Prof.
Hay, W. D., M.A., M.D., C.M. Assoc. Prof.
Kipkie, G. F., M.Sc. McG., M.D., C.M. Assoc. Prof.
Bencosme, S., M.D. Montr., M.Sc., Ph.D. McG. Assoc. Prof.
Howatt, F. F., B.A., M.D., C.M., M.Sc.Med. St. Dun. Lectr.
1 Fellow.

Pharmacology and Therapeutics

Boyd, E. M., M.A., M.D., C.M. Prof.
McEwen, H. D., Ph.D. Roch., M.A. Assoc. Prof.

Physiology

Ettinger, G. H., M.B.E., B.A., M.D., C.M., F.R.S.C. Prof.

Assistant Professors

Sawyer, Mrs. Margaret E. M., M.A., Ph.D. McG.
Hatcher, J. D., M.D., Ph.D. W. Ont.
Semple, R. E., M.A. Br. Col., Ph.D. Col.
2 Tutors, 2 Fellows.

Psychiatry

McCuaig, C. H., M.D., C.M. Prof.
Lynch, D. O., M.D., C.M. Asst. Prof.

Clinical Assistants

Batstone, H. L., B.Com., M.D., C.M.
O'Connor, M. J., M.D., C.M.
Billings, R. M., M.D., C.M.
Scott, G. D., M.D., C.M.
Wilson, G. E., M.D. Tor.
Palmer, L. J., M.D., C.M.

Public Health and Preventive Medicine

Wyllie, J., M.A., B.Sc., M.D. Glas., D.P.H. Camb. Arthur R. Elliott Prof.
Kelly, R. A., M.D., C.M. Lectr.

Radiology and Physical Therapy

Jones, W. A., O.B.E., V.D., M.D. W. Ont., F.R.C.P.Can., F.F.R. Prof.

Burr, R. C., M.D., C.M., F.R.C.S. Ed. and Can. Assoc. Prof.
Colwell, B. T., B.A., M.D. W. Ont., D M.R. Clin. Asst.
1 Demr.

Surgery

Bingham, D. L. C., M.B., Ch.B. Edin., F.R.C.S.Ed. and Can., F.A.C.S. Prof.

Associate Professors

Houston, S. W., M.D., C.M., F.R.C.S.Ed. and Can.
Boucher, D. W., M.D., C.M., F.R.C.S.Ed. and Can.

Assistant Professor

Tilley, A. R., O.B.E., M.D. Tor. (Plastic Surg.).

Lecturers

Koster, B. M., M.D., C.M. McG.
Broom, J. C. W., D.D.S. Tor. (Dental S.).

Clinical Assistants

Lindsay, G. C., M.D., C.M.
Tweddell, T. N., M.D., C.M., F.A.C.S.
Warner, H. M., B.Sc., M.D., C.M. McG., F.R.C.S.Can.
Clarke, K. S., M.D., C.M, F.R.C.S. Ed.
Melvin, W. J. S., B.A., M.D., C.M., F.R.C.S. (Orthopæd. Surg.).
Gowland, J. H. C., D.D.S. Tor. (Dental Surg.).
Dunlop, H. W., M.D., C.M. Clin. Asst.
3 Teaching Fellows.

Urology

Berry, N. E., M.D., C.M. Prof.
White, E. P., M.D., C.M., F.R.C.S. Ed. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Dir. of Univ. Extension and Dir. of Summer School, H. W. Curran, B.S. Hobart Coll., M.A., Ph.D. Mich. Asst. Registrar, K. Jean Richardson, B.A. Univ. Chaplain, Rev. A. M. Laverty, B.A. Tor., B.D. Emmanuel. Warden, Students' Memorial Union, J. E. Wright, M.B.E. Chief Proctor, H. S. Pollock, M.Sc. Medical Officer, H. M. Campbell, M.D., C.M.

AFFILIATED COLLEGE

Queen's Theological College, Kingston, Ontario. (*Telephone*: Kingston, 8272.) Principal and Prof. of New Testament Lit. and Criticism—Rev. S. M. Gilmour, M.A. Manit., B.D. Union, Ph.D. Chic., D.D. Montr. 3 other Profs.

GENERAL INFORMATION

Queen's University was founded by Royal Charter in 1841 on the model of the Univ. of Edinburgh, and Scottish academic influences have helped to mould its character. The Univ. owes its origin to the desire of the Synod of the Presbyterian Church in Canada for a ministry trained within the country, but as its constituency expanded, the constitution was broadened until in 1912, as a result of an arrangement between the Presbyterian Church and the Trustees of the University, an Act was passed by the Dominion Parliament removing all vestiges of denominational control. An independent Theological College continued; it entered the United Church of Canada at the time of Church union, 1925.

The Univ. opened in 1842. In 1854 the Medical Faculty was established. It was reorganized in 1866 as the Royal Coll. of Physicians and Surgeons in affiliation with the Univ., but in 1891 the original status was resumed. The

School of Mining was founded in 1893 under an Ontario charter; the School was amalgamated with the Univ. in 1916 and now constitutes the Fac. of Appl. Sci. The School of Commerce and Admin. was establd. in 1919, the School of Nursing and the School of Physical and Health Educn. in 1947.

The administration is vested in a Bd. of Trustees, composed of Chancellor, Principal and Rector, representatives of the Council, Theological College, the Graduates and Benefactors, and 12 members selected by the Bd.

LIBRARY (The Douglas Library). 278,000 catalogued vols., including many scarce books and early edns., especially of Canadian historical interest. The Reading Room has over 4000 vols. on open shelves and 700 periodicals. The Lorne Pierce collection of modern Canadiana, the Shortt-Haydon collection of pictures and portraits of Canadian interest and the R. S. McLaughlin Canadian historical collection are probably unexcelled. MUSEUMS: Herbarium (35,000 spec.), Geol., Mineral., Ethnol. (rich N. American Stone Age collection). LABORATORIES, including important School of Mines buildings: Biol., Chem., Geol., Physics, Engin., Mining, Mech., Metall., Mineral. HOSPLS. available for clinics, 2 general, 1 for insane. Easy access to important locomotive shops, dry docks, canal locks, water-power stations, mines, metallurgical works. Exceptional natural facilities for Geol. study.

FACULTIES AND DEANS. *See* p. 870.

ADMISSION. *See* Appendix I.

DEGREE COURSES. 3 yrs. from Senior Matriculation, General B.A.; 4 yrs. from Senior Matriculation, B.A. with Honours, B.Sc. (in Engin.—Civ., Mech., Electr., Min., and Metall., Chem.—Analyt. and Applied Chem., Geol. Sc., Chem. Eng., or Physics), B.Com.; 5 yrs. from Senior Matriculation, B.N.Sc.; 6 yrs. from Senior Matriculation, M.D., C.M.; 4 yrs. from Senior Matriculation, B.A., B.P.H.E.

HIGHER DEGREES. M.A. (1 yr.); M.Sc. (1 yr.); M.Sc. (2 yrs. after M.D.); Ph.D. (3 yrs.); B.D. (3 yrs.' course or its equivalent); Honorary: LL.D., D.D., D.Sc.

DIPLOMAS. Public Health Nursing (1 yr.); Teaching and Supervision in Hospital Schools of Nursing (1 yr.); Medical Radiology (D.M.R.), 4 yrs., including training in recognized Radiol. Dept.; Testamur in Theology, 3 yrs.

FEES p.a. (Class, examn. and Student Interests) in Arts, $324.80; Com., 1st and 2nd yrs., $324.80; 3rd and 4th yrs., $344.80; Appl. Science, $445 30; Med., £469.80; Phys. and Health Educn., 1st, 2nd and 3rd yrs., $359.80; 4th yr., $369.80; Nursing, 1st yr., $324.80; 2nd, 3rd and 4th yrs., $10; 5th yr., $354.80.

ENTRANCE SCHOLARSHIPS. Provincial Scholps., $1500; Hon. Matric. Scholps., $1200; Hon. Matric. Scholps., $500; Locality Scholps., including Dieppe Scholp. $350, awarded for man or woman whose father took active part in Dieppe raid, and Scholp. offered by Ontario Hockey Assocn., $180; Scholps. for Ontario students entering courses in Sci., Assocn. of Professional Engineers for Province of Ontario Scholp., $450, awarded in alternate yrs.; Lincoln Might Scholps. in Engin., $400; Bickell Foundation Scholps., $1200, open to students entering Mining and Geol. Scis.

POSTGRADUATE AWARDS. R. McLaughlin Fellowships, $1200, open to students with M.A., $900-$1100, for grad. work in Humanities, Soc. Scis., Maths., Biol. Scis., Chem., Phys., and Engin.; Steel Co. of Canada Fellowship, $1500, for res. in Ferrous Metall.; C.I.L. Fellowship in Chem. and Chem. Engin., $1200; Cominco Fellowship, $1000 for res. in non-ferrous metals, chemicals or fertilizers; Sir James Dunn Scholp. in Mining Res., $1000;

Shell Oil Fellowship, $900 plus tuition, for grad. work in Chem., Chem. Engin., Mech. Engin., Geol., Phys., and Geophys.; R. S. McLaughlin Teaching Fellowships in Mech. Engin., $2200, for grad. work in Mech. Engin., tenable for 2 yrs. Following Fellowships carry with them addtnl. awards to bring total value to $750: Sir James Aikins Fellowship in Canadian Hist., $400; Western Ontario Grads. Fellowship in Hist., $320; C. J. Hicks Fellowship, $600, for res. in Industrial Relns.; G. M. Milligan Fellowship in Philos., $400; Alice H. Atack Fellowship in Chem. Engin., $500; M. Hersey Fellowship in Chem., $400; W. Neish Fellowship in Chem., $400; J. B. Tyrrell Scholp. in Econ. Geol., $500; Inco Scholp in Chem., Chem. Engin., Min., Metall., Geol. Scis., $500.

RESIDENCE AND UNION. Ban Righ Hall (University Ave.; *Telephone*: 20140) and its annexes have rooms for 253 women students and refectory accomm. for 325. The annexes include Baker House (*Telephone*: 20248), Goodwin House (*Telephone*: 20084), Gordon House (*Telephone*: 20035), Matheson House (*Telephone*: 20213). Board and lodgings in 1953–54 cost from $400 to $450 for the full session. Every male student is a member of the Students' Memorial Union. The Union has the usual club facilities—a dining-hall, lounge and billiard rooms, reading rooms, committee rooms, and guest rooms for alumni and visitors to the Univ. The Union provided meals at from $9 to $11 a week during session 1952–54 for about 1000 students daily. Berry House and Collins House, operated by the Science Co-operative Inc., are open to men students of all facs. Room and board per week for session 1953–54 was $11.50. Berry House and Collins House accommodate 34 men students. Boucher House, a co-operative house for women students, accommodates 21.

MILITARY SERVICE. The University Naval Training Division, the Canadian Officers' Training Corps and the R.C.A.F. Reserve University Flight offer courses of training which extend over the greater part of a student's University Course, and provide up to 20 weeks' summer employment at $162 per month with food, clothing and accommodation. The object of the training policy is to qualify selected students for commissions on graduation.

STUDENT HEALTH SERVICE. Queen's Univ. administers a Health Insurance Fund by arrangement with the London Life Insurance Co. The service covers medical and hospital care, including surgery. All first and final yr. students are required to have X-ray examinations of the chest each yr.

EMPLOYMENT SERVICE. The Employment Bureau assists graduates and undergraduates in all facs. to secure suitable positions, and helps students to obtain work during vacation periods.

ATHLETIC FACILITIES. The Univ. has a gymnasium with a swimming pool of full Olympic size, a large covered skating rink with artificial ice and a football field. There is room and equipment for all students who wish to take part in football, hockey, badminton, basket-ball, field hockey, tennis, track athletics, archery, swimming, diving, boxing and wrestling. Good skiing is available about 5 miles from the Univ. proper.

ALUMNI ORGANIZATION. General Alumni Association: graduates, 15,000.

UNIVERSITY EXTENSION. Correspondence courses for teachers and others unable to pursue full degree courses in Arts. Candidates for degrees must be in attendance at the Univ. for five Summer Schools (six weeks in July and Aug.), or two winter sessions, or one winter session and three Summer Schools. The final written examns. are the regular Univ. examns. Extension tutorial classes supplementing the work by correspondence are conducted by members of the Univ. staff and others in various centres. Other activities organized or assisted by the Dept. are: a series of public lectures at the Univ.;

a concert series; film service in co-operation with the National Film Board of Canada; short courses and conferences which vary in nature from vocational to cultural; individual lectures by members of staff; material provided for study groups and drama groups; an annual series of vocational and special interest talks given to inmates of Collins Bay and Kingston Penitentiaries; evening non-credit courses in Art, Conversational French and Photography.

Institut d'Études Anglaises is held each summer for a period of six weeks and is intended particularly for French-speaking Canadians who wish to learn English.

The School of the Fine Arts, including instruction in art, ballet, drama, speech arts and music, is held each summer for a six weeks' period.

Banking Courses leading to diplomas of Associate or Fellow of the Canadian Banking Association. Tuition by correspondence to members of Canadian Banks.

By agreement with the Ontario Institute of Chartered Accountants, Toronto, the tuition for their course, leading to the Chartered Accountant's certificate, is given by the University.

PUBLICATIONS. *Calendars* (by facs.); *Queen's Quarterly* ($3 per yr.); *Queen's Journal*; *Queen's Review* (General Alumni Association—$4 per yr.); *Queen's University at Kingston—The First Century*, by D. D. Calvin (Hunter-Rose), 1941.

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. A. E. Stewart Estate, $21,000; Algoma Ore Properties Ltd., $10,000 for Algoma Ore Properties Chair in Mining; Dr. W. S. Kirkland Estate, $10,000; Canadian Pacific Railway Co., $10,000; R. S. McLaughlin Foundation, $12,700; Corporation of Kingston, $15,000; J. and Mary R. Markle Foundation, $6000; Sun Life Assurance Co. of Canada, $4000; Atkinson Charitable Foundation, $7500 for Atkinson Surg. Lab. Equipment, $10,000 for Dept. of Radiatrics and $2500 for Atkinson Charitable Foundation Bursary account; E. A. Collins Estate, $15,112; Alcoholism Res. Foundation, $21,600.

RETIREMENT. Prof. B. Rose (Geol.).

RESIGNATION. Prof. J. B. Firstbrook (Physiol.).

HONORARY DEGREES. *LL.D.*—G. C. Brink, Dir., Tuberculosis Division, Dept. of Health, Tor.; C. F. Cannon, Dep. Minister of Educn., Tor.; R. B. Gibson, Commissioner of Penitentiaries, Ott.; J. A. Gray, Kingston; H. R. Kingston, Prin., Univ. College, W. Ont.; Elizabeth P. MacCallum, Ott.; Mary McCallum, Smith's Falls; Muriel V. Roscoe, Dean of Women, McG.; Dora H. Stock, Tor.; R. K. Stratford, Chairman, Res. Council of Ont.; N. F. Tisdale, Pittsburgh; H. H. Wrong, Can. Ambassador to U.S. *D.D.*—Rev. J. F. Goforth, Ott.; Rev. N. D. Patterson, Brantford; Rev. H. P. VanDusen, Pres., Union Theol. Sem., N.Y.

STUDENT NUMBERS.

	Intra-Mural	*Extra-Mural*	*Summer School*
Men	1625	390	172
Women	467	399	352
Total	2092	789	524

Postgraduate students, 93.
New admissions, 676.
Students from other countries, 94. (Countries from which largest numbers came: U.S.A., 47; U.K., 9; other European countries, 12; Bermuda, 6; British W. Indies, 9; S. America, 5.)

DEGREES. B.Sc. (Hons.), 18; B.Sc., 126; M.Sc., 13; B.A. (Hons.), 60; B.A. (Pass), 191; M.A., 34; Ph.D., 4; B.Com., 22; M.D., C.M., 57; M.Sc. Med., 3; D.M.R., 1; B.N.Sc., 10; B.P.H.E., 13; B.D., 2.

[*Information compiled as at* 23/6/54.]

ROYAL MILITARY COLLEGE OF CANADA

Founded 1876

Postal Address: Kingston, Ontario, Canada.
Telephone (General Information): 2-2841.

PRESIDENT—THE MINISTER OF NATIONAL DEFENCE (*ex officio*), Hon. BROOKE CLAXTON, Q.C., D.C.M., B.C.L. McG., M.P.

COMMANDANT—Air Commodore D. A. R. BRADSHAW.

VICE-COMMANDANT AND DIRECTOR OF STUDIES—Col. WILLIAM REGINALD SAWYER, O.B.E., M.Sc. Qu., Ph.D. McG., F.C.I.C.

REGISTRAR AND SECRETARY OF THE FACULTY—Lt.-Col. THOMAS FRASER GELLEY, B.A. Manit., M.A. Qu.

STAFF ADJUTANT—Maj. PHILIP TURTON NATION, B.Sc. Qu.

ADMINISTRATIVE OFFICER—Maj. GORDON SWARTZEN, B.A. W. Ont.

LIBRARIAN—JOHN SPURR, B.A., B.Ed. Acad.

TEACHING STAFF

Chemistry and Chemical Engineering

Professors

Sawyer, W. R., O.B.E., M.Sc. Qu., Ph.D. McG., F.C.I.C.
Dacey, J. R., M.B.E., M.Sc. Dal., Ph.D. McG., F.C.I.C.
Naldrett, S. N., M.Sc. Alta., Ph.D. McG.
Hodgins, J. W., B.A.Sc., Ph.D. Tor., F.C.I.C.
Diaper, D. G. M., M.A., D.Phil., B.Sc. Oxon. Asst. Prof.
Jones, R. A., M.Sc. W. Ont., Ph.D. McG. Asst. Prof.

Lecturers

Hoffman, T. W., B.Sc. Qu.
Brack, W. G., M.Sc. Qu.
Wheeler, R. C., M.Sc. Qu.
Beelik, A., M.A. Tor.
Bodnar, L. E., M.A. Sask., Ph.D. McM.

Civil Engineering

Dolphin, J. W., B.A.Sc. Br. Col., M.S.(C.E.) Minn. Prof.
Freeborn, Capt. F. R., M.C., B.Sc. Alta. Asst. Prof.
O'Brien, Lt. L. J., M.Sc. Ohio State Asst. Prof.
Grimes, D. R., B.Eng. McG. Lectr.
Dowsley, B. P., B.Sc. Tor. Lectr.
Ambrose, J. W., A.B. Stan., Ph.D. Yale (Engin. Geol.) Sp. Lectr.

Electrical Engineering

Holbrook, Lt.-Col. G. W., B.Sc. Lond., M.Sc. Qu. Prof.
Hetherington, F. E., M.Sc. Qu. Prof.
Campling, C. H. R., B.Sc. Qu., M.Sc. M.I.T. Assoc. Prof.

Lecturers
Cory, A. H. H., B.Sc. Lond.
Ryan, W. D., B.Sc. Belf.

English
Fisher, P. F., M.C., M.A., Ph.D. Tor. Prof.
Maclean, H. N., B.A. Prin., M.A., Ph.D. Tor. Assoc. Prof.

Lecturers
Dooley, D. J., M.A. Tor.
Avis, W. S., M.A. Qu.
Shrive, F. N., B.A. McM., M.A. Tor.

History
Stanley, G. F. G., B.A. Alta., M.A., B.Litt., D.Phil. Oxon., F.R.Hist.S. Prof.
Preston, R. A., M.A. Leeds, Ph.D. Yale Prof.
Cappadocia, E., M.A., Tor. Lectr.
Wise, S. F., M.A. Qu., B.L.S. Tor. Lectr.

Mathematics
Lowe, P., M.A. Tor., Ph.D. Qu. Prof.
Elliott, H. A., M.A. Camb., Ph.D. Brist. Prof.
Twiss, J. F., M.A. McM. Prof.
Dulmage, A. L., M.A., Ph.D. Tor. Asst. Prof.
Fryer, K. D., B.A. W. Ont., M.A., Ph.D. Tor. Asst. Prof.
Beaumont, C. F. A., B.A. McM., M.A. Tor. Lectr.

Mechanical Engineering
King, Lt.-Col. P. C., B.Sc. Qu. Prof.
Sloat, Sqn. Ldr. R. D., B.A.Sc. Tor. Assoc. Prof.
Rogers, J. T., M.Eng., Ph.D. McG. Assoc. Prof.
Moran, F/L. J. E., B.A.Sc. Tor. Asst. Prof.
Coupland, Capt. K. L. F., B.Sc. Qu. Asst. Prof.
Styles, H. J., B.Sc. Qu., M.S. Mich. Sp. Lectr.

Military Studies
Associate Professors
Fotheringham, Lt.-Cmdr. J. B.
Gartke, Major R. A.
Cleaver, S/L. W. H.

Modern Languages
Chabot, C. A., B.A. Laval, M.A. Qu. Prof.
Emond, H. P., B.A. Ott. Assoc. Prof.
LeGrand, H. A., M.A., L.Phil., Ph.D. Montr. Asst. Prof.
Lauzière, A. E., B.A. Ott., M.A. Montr., D. de l'U. Paris Asst. Prof.
Vigneau, R., M.A. Montr. Lectr.
de Margerie, Y., B.A. Ott., L. ès L. Laval Lectr.

Physics
Hutchison, T. S., B.Sc., Ph.D. St. And. Prof.
Hogg, B. G., B.Sc. Manit., M.A. Conn., Ph.D. McM. Asst. Prof.
Rogers, D. H. R., M.Sc. Dal., Ph.D. M.I.T. Asst. Prof.
Edwards, M. H., M.A. B.C., Ph.D. Tor. Asst. Prof.

Lecturers
Lowther, L. H., B.Sc. Acad.
Baird, D. C., B.Sc. Edin., Ph D. St. And.
Filmer, A. J., M.Sc. Alta.
Paul, D. A. L., M.A. Camb.
Taylor, H. W., M.Sc Manit.

Political and Economic Science
Malach, V. W., B.A., B.Com. Qu., Ph.D. Lond., F.R.E.S. Prof.
Beck, J. M., M.A. Acad., M.A. Tor., Ph.D. Tor. Asst. Prof.
Newcombe, C. W., B.Com. Qu. Asst. Prof.
Winn, A. E., B.Sc. Sir G. Wms., M.A. Tor. Lectr.

Atrill, V. H., M.A., W. Ont. Lectr.
Stewart, M. D., B.A Alta, M.A. Tor. B.Com. Lectr.
Benson, E. J., B.Com. Qu. Sp. Lectr.

Cadet Organization

Nation, Maj. P. T., B.Sc. Qu. O/C Cadet Wing.
Bethune, Lt. L. D. S., B.A. McM. Sqn. Comd.
Shackleton, Capt N A. Sqn. Comd.
Murray, F/L G. K , B.A. Sask. Sqn Comd.
Cocks, Lt. H. T.
Botting, Lt. E. A., B.A. Sask. Phys. Ed.

Canadian Army Operational Research Establishment

Civilian Personnel

Sutherland, R. J., Ph.D. Tor.
Rae, R. W., M.A. Tor.
Lauriston, A. C., M.A., Ph.D. Tor.

Military Personnel

Dolan, Maj. M.A., B.Sc. Qu.
Sergi, Maj. F. J., B.Eng.
Howard, Lt. W. L , B.Sc. Acad.

ADMINISTRATIVE AND OTHER STAFF

Asst. Admin. Offr. (B), Capt. S. F. Hildred, M.B.E. ; Asst. Admin. Offr. (A), Capt. J. U. R. G. Lamothe ; Paymaster, Capt. V. M. Shipley ; Protestant Chaplain, Rev. W. F. Banister, O.B.E., B.Th., B.D. Tor. ; Catholic Chaplain, Rev. J. V. Driscoll ; Med. Offr., H. M. Campbell, M.D. Qu.

GENERAL INFORMATION

The Royal Military College of Canada originated in 1875 when the Dominion Government decreed that there be established " an institution for the purpose of imparting a complete education in all branches of military tactics, fortification, engineering, and a general scientific knowledge in subjects connected with and necessary to a thorough knowledge of the military profession, and for qualifying officers for command and for staff appointments ". The site selected was the old Naval Dockyard on Point Frederick. The R.M.C. was opened in 1876. The title " Royal " was conferred in 1878. The College was closed from 1942 to 1948 when it was reopened as a tri-service college.

The purpose of the College, as well as of Royal Roads and Le Collège Militaire Royal de Saint-Jean, is to train cadets in the moral, mental and physical requirements for entry into the commissioned ranks of the Active and Reserve sea, land and air forces. The moral training includes the development of the essential characteristics of discipline and leadership. Mental training includes the fundamental military and scientific knowledge required in all branches of the Service and in particular of the Technical Corps, and provides a balanced and liberal educn. in Arts and Sciences.

CONSTITUTION. The Royal Military College, Royal Roads and Le Collège Militaire Royal de Saint-Jean are administered by the Dept. of Nat. Defence, and the Minister of National Defence is, *ex officio*, Pres. of the Coll. The Arts and Sci. and the Engin. Facs. operate as a joint fac. under a Dir. of Studies.

Royal Roads was established in 1942 at Esquimalt, B.C., as a naval coll. and in 1947 was reorganized as a combined R.C.N.-R.C.A.F. coll. In 1948 it became a tri-service coll. Le Collège Militaire Royal de Saint-Jean was opened in 1952 at Saint-Jean, P.Q., to meet the needs primarily of French-speaking cadets. It also is a tri-service coll.

COURSES. For cadets entering Royal Military Coll. and Royal Roads, the course is of 4 yrs.' duration, of which the first 2 yrs. may be taken at either coll. The 3rd and 4th yrs. are taken at Royal Military Coll. only. Cadets who take first 2 yrs. at Royal Roads proceed for last yrs. of the General Arts or Engin. Courses to Royal Military Coll. For cadets entering Le Collège Militaire Royal de Saint-Jean, the course is of 5 yrs.' duration, the last 2 yrs. of which are taken at Royal Military Coll. However, Navy cadets who choose the Executive branch and Army cadets of the non-technical corps may elect to enter the Permanent Force on successful completion of 1st 2 yrs. of course. Navy cadets enter as Midshipmen and Army cadets enter as 2nd Lts.

Courses offered are of two types, (*a*) general, (*b*) engineering; in latter a cadet may specialize in his last 2 yrs. in one of Civil, Chem., Mech., or Electr. Engin.; specialization in General Course in 3rd and 4th yrs. is offered in Engl., Fr., Hist., Econs., Comm., Phys., and Chem.

ADMISSION REQUIREMENTS. An applicant must be a Candian citizen or other British subject normally resident in Canada; must have reached his 16th but not his 21st birthday on the 1st day of Jan. preceding entrance, with exception of candidate for Le Collège Militaire Royal de Saint-Jean who must have reached his 16th but not his 20th birthday on the 1st day of Jan. preceding entrance, and must be physically fit for the service of his choice. For admission to Royal Military Coll. and to Royal Roads, an applicant must have obtained Sr. Matric. or equivalent standing in following subjects: Engl., Maths. (Algebra, Geom. and Trig.), Phys., Chem. and either Hist. or a lang. He must also have completed his Jr. Matric. which should include French, though consideration will be given to applicants who do not possess standing in this subject. For admission to Le Collège Militaire Royal de Saint-Jean, an applicant must have Jr. Matric. or equivalent. Applicants from Classical Colls. must have at least 6th yr. standing.

MILITARY OBLIGATION. Each cadet must undertake to serve after graduation as a commissioned officer in one of the three armed services, in either Active or Reserve Forces, whichever he may elect. Under the Regular Officer Training Plan, introduced in 1952, applicants accepted for entry in Candadian Services Colls. can be enrolled as Naval Cadets in Royal Canadian Navy, as Officer Cadets in Canadian Army, or as Flight Cadets in Royal Canadian Air Force. On successful completion of their academic and military trg. such cadets will be promoted to commissioned rank in Regular Force. The privilege of release, if desired, will be granted after 3 yrs. of commissioned service. The cost of tuition, board, uniforms, books, instruments and other essential fees will be borne by Dept. of Nat. Defence; a cadet will receive $55 a month and allowances, with free med. and dent. care and annual leave with pay and allowances.

DIPLOMA. A cadet who successfully completes his 4-yr. course is awarded a Dipl. of Graduation. He may enter the degree yr. in certain Hons. Arts courses at certain Canadian Univs. and in the degree yr. of Chem., Civil, Electr. or Mech. Engin. at any Canadian Univ.

FEES. Except for R.O.T.P. cadets, 1st yr.—$550, covering tuition, residence, uniforms, books, etc.; each subsequent yr.—$300. Annual recreation, $30; annual contingency fund, $75, of which unexpended portion is refundable.

SUMMER TERM. All cadets are required to attend training centres of the Services of their choice in order to obtain the necessary Service qualifications.

LIBRARY. 42,500 vols., including the General Crerar German Military Library.

LABORATORIES. Chem., Phys., Civil, Electrical, Mech. and Chem. Engin.

RESIDENCE. All cadets are in uniform and live in residence. Three blocks, providing 400 single and double rooms.

SUMMER SERVICE SCHOOLS. R.M.C. facilities are used in the summer months for jr. officers' courses, C.O.T.C., Reserve University Flights (R.C.A.F.), and other qualifying courses.

PUBLICATIONS. *Admission Requirements* (annual); *The R.M.C. Review* (annual); *The Marker* (bi-weekly).

THE YEAR 1952–53

NEW BUILDINGS. Completion of power lab. in Elect. Engin. bldg.

CADET NUMBERS. Total 680 (including Royal Roads and Le Collège Militaire Royal de Saint-Jean).

DIPLOMAS AWARDED. General Course, 45; Engin., 63.

[*Information compiled as at June* 1954.]

SAINT DUNSTAN'S COLLEGE

Founded 1855

Postal Address: Charlottetown, Prince Edward Island, Canada.
Telephone: Charlottetown 3273.

CHANCELLOR—Most Rev. JAMES BOYLE, D.D., Bishop of Charlottetown.

RECTOR—Rt. Rev. R. V. MACKENZIE, Litt.D. Laval, LL.D. New Br.

REGISTRAR—Rev. J. A. SULLIVAN, M.A C.U.A.

TEACHING STAFF

Biology

Ellsworth, Rev. R. G., D.D. Laval, M.Sc. C.U.A. Prof.

Chemistry

Cass, Rev. F. L., B.Sc. McG. Prof.

Commerce

Doucet, R., M.A. Tor

Economics

Murphy, J. C., Ph.D. C.U.A. Prof.

English

O'Grady, B. A., A.M. Col. Prof.

French

Pineau, Rev. J. W., M.A. Laval Prof.

History

MacGuigan, Rev. W. J., M.A. C.U.A. Prof.

Latin and Greek

MacLellan, Rev. T. M., D.D. Montr., B.A Prof.

Mathematics

Roche, Rev. E. J., M.Sc. Notre Dame Prof.

Philosophy

Sullivan, Rev. J. A., M.A. C.U.A. Prof.

Landrigan, Rev. L. W., B.A. Assoc. Prof.

Physics

MacDonald, Rev. G. A., M.Sc. Dal. Prof.

Religion

Mackenzie, Rt. Rev. R. V., Litt.D. Laval, LL.D. New Br. Prof.

Sociology

Murphy, J. C., Ph.D. C.U.A. Prof.

ADMINISTRATIVE AND OTHER STAFF

Bursar: Rev. F. P. Aylward, B.A. College Physician: Hon. W. J. P. MacMillan, O.B.E., M.D., C.M., LL.D. McG., F.A.C.S. Faculty Adviser on Athletics: Rev. W. J. MacGuigan, M.A. C.U.A. Directors of Discipline: Rev. T. M. MacLellan, D.D. Montr., B.A.; Rev. L. W. Landrigan, B.A.; Rev. E. J. Roche, M.Sc. Notre Dame. Committee on Studies: Rt. Rev. R. V. Mackenzie, Litt.D. Laval, LL.D. New Br.; Rev. J. A. Sullivan, M.A. C.U.A.;

Rev. R. G. Ellsworth, D.D. Laval, M.Sc. C.U.A. Director of Extension Work: Rev. W. O. Simpson, B.A. Librarian: Rev. A. F. MacDonald, B.L.S. Tor., B.A.

GENERAL INFORMATION

St. Dunstan's College, opened in 1855, was by Act of the Prince Edward Island Legislature granted a charter in 1917 as a University "with all and every the usual rights, powers, and privileges of such an institution." From 1892 to 1940, by virtue of affiliation with Laval University, the degrees of that institution were conferred on all those who completed the St. Dunstan's courses and successfully passed the examinations given by Laval Univ., but since 1940 the powers of its charter have been exercised in full and independent action. By virtue of its former privilege with Laval Univ., however, students from classical colleges in Quebec may attend St. Dunstan's for the last year of their baccalaureate course, write the Laval examn., and, if successful, obtain the Laval degree. English is the official language used in the lectures at St. Dunstan's. The college is the Diocesan College of the Roman Catholic Diocese of Charlottetown and is co-educational.

CONSTITUTION. The Rector has charge of the general admin. of the Coll. In the discharge of his duties he is subject to the Board of Governors under the chairmanship of the Bishop of the Diocese of Charlottetown, and is assisted by the different officers of the staff in matters pertaining to studies, discipline and finances.

RESIDENCES. There are three residences for the male students (Main Building, Dalton Hall and Memorial Hall), each accommodating about eighty students. Fees per room—$35.

MILITARY FORMATIONS. The Canadian Officers' Training Corps has a contingent on the campus and offers to selected students an opportunity to qualify for commissions in the Canadian Army. The University Naval Training Division also has a branch of its programme on the campus through which eligible college students may qualify for commissions in the Royal Canadian Navy (Reserve).

ATHLETICS. The principal athletic activities on the campus are football, hockey and basket-ball, and ample facilities are provided for these in football fields, an indoor skating rink and a large gymnasium.

STUDENTS' UNION. The students' union co-ordinates all organized student activities on the campus, such as athletics, dramatics, debating, the publishing of the students' magazine, etc.

FACULTY AND DEAN. *Arts, Sciences and Commerce*, Rev. J. A. Sullivan, M.A. C.U.A.

DEGREES. The courses given are B.A., 4 yrs.; B.Sc., 4 yrs., B.Com., 4 yrs.

ADMISSION REQUIREMENTS. Applicants must present certificates showing the successful completion of the High School course in Prince Edward Island, or the equivalent (Junior Matriculation) from outside the Province. *See also* Appendix I.

FEES. Tuition, board, $350 to $390 per yr.

THE YEAR 1952–53

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	142	..
Women	28	1
Total	170	1

New admissions, 55.
Students from other country : U.S.A., 6.

DEGREES. B.A., 33 ; B.Sc., 4 ; B.Com., 2.

[*Information compiled as at August* 1954.]

UNIVERSITY OF ST. FRANCIS XAVIER*

Founded 1853

Postal Address: Antigonish, Nova Scotia, Canada.

Telephones: Antigonish 273, 599, 254.

CHANCELLOR AND *ex-officio* CHAIRMAN OF THE BOARD OF GOVERNORS—Most Rev. JOHN R. MACDONALD, D.D., Bishop of Antigonish.

PRESIDENT EMERITUS—Rt. Rev. P. J. NICHOLSON, Ph.D. Johns H.

PRESIDENT—Rev. H. J. SOMERS, Ph.D. C.U.A., F.R.Hist.S.

PRINCIPAL, XAVIER JUNIOR COLLEGE—Rev. M. A. MACLELLAN, Ph.D. C.U.A.

DEAN OF STUDIES—Rev. C. H. BAUER, B.A.

BURSAR—Rev. J. V. CAMPBELL, B.A.

REGISTRAR—Rev. W. X. EDWARDS, B.A.

PREFECT OF DISCIPLINE—Rev. J. A. RANKIN, B.A.

CHAPLAIN—Rev. G. MACKINNON, B.A.

LIBRARIAN—Sister REGINA CLARE, B.L.S. Tor.

TEACHING STAFF

Biology

Chisholm, Rev. J. C., M.A. Prof.
Chiasson, L. P., Ph.D. Tor. Assoc. Prof.

Chemistry

Foley, W. T., Ph.D. Laval Prof.
MacDonald, J. J., Ph.D. Tor. Assoc. Prof.

Classics

Gillis, Rev. J. H., Ph.D. C.U.A. Prof.

Economics, Sociology, Political Science, Commerce

Boyle, Mrs. Doris, Ph.D. C.U.A. Prof.
Sister St. Mary Donald, M.A. Col. Prof.

Associate Professors

MacCormack, Rev. D., M.A., D.D. Laval.
Judek, S., Ph.D. Edin.
Mifflen, Rev. P. S., M.A. C.U.A.
Kilbride, B., B.A.
Kontak, W., B.A.

Education

Campbell, Rev. D., M.A. C.U.A. Prof.
Sister St. Michael, M.A. Tor., Ph.D. Fordham Assoc. Prof.

Engineering

Fogarty, Rev. W. P., B.Sc. McG. Prof.
MacDougall, J., B.Sc. N.S.T.C.

English

Bannon, Rev. R. V., M.A. Prof.

Associate Professors

Kane, Rev. G. L., A.M. Harv.
Edwards, Rev. W. X., B.A.

* Member of the Association of Universities of the British Commonwealth.

MacSween, Rev. R. J., B.A.

French

MacLean, C., D. de l'U. Paris Prof.
LeBlanc, A. J., M.A. Laval Assoc. Prof.
Doiron, L., M.A. Montr. Assoc. Prof.

Geology

MacNeil, D. J., Ph.D. Prin. Prof.
Keating, B. J., Ph.D. McG. Assoc. Prof.

German

Bauer, Rev. C. H., B.A. Prof.

History

Somers, Rev. H. J., Ph.D. C.U.A., F.R.Hist.S. Prof.
MacDonell, Rev. M., M.A. Tor. Prof.
Sister St. Veronica, M.A. C.U.A. Prof.
O'Keefe, Rev. L., M.A. Notre Dame

Mathematics

McKenna, Rev. L. G., M.A. Prof.
Ginivan, Rev. F. J., B.Sc. Assoc. Prof.

Philosophy

MacDonald, Rev. C. R., Ph.L. Laval.

Associate Professors

MacDonald, Rev. C. W., B.A., S.T.L. Montr.
Wojciechowski, G., Ph.D Laval

Physics

Professors

Nicholson, Rt. Rev. P. J., Ph.D. Johns H.
Tobin, Rev. C., M.A.

Associate Professors

Clarke, Rev. E. M., B.Sc.
Jordan, C., B.Sc.

Extension Department

Coady, Rt. Rev. M. M., D.D. Urb. Rome, Ph.D. Coll. St. Thos. Rome, LL.D. Boston Coll. and Ohio Dir. Emeritus.
MacKinnon, M. J., B.A. Dir.
Laidlaw, A., M.A., B.Pæd. Tor. Assoc. Dir.
MacPherson, Rt. Rev. H., D.D. Agric. Consultant.
MacCormack, Rev. D., D.D. Laval Dir. Radio Educn.
MacIsaac, Rev. F. N., B.A. Dir. Land Settlement.
Rankin, Rev. J. A., B.A. Dir. Rural Educn.
Michael, Sister M., B.L.S. Librarian.
2 Lectrs.; 12 Field Workers; Field Specialist; Housing Specialist; Field Supervisor.

ADMINISTRATIVE AND OTHER STAFF

Business Manager: C. R. Chadwick; Public Relations Officer: B. J. O'Connell, B.A.; Instr. in Physical Educn.: A. Gilmet; Resident Staff Officer: Capt. P. F. Pride.

AFFILIATED INSTITUTIONS

XAVIER JUNIOR COLLEGE, George Street, Sydney, N.S. (*Telephone*: Sydney 618.) Principal—Rev. M. A. MacLellan, Ph.D. C.U.A. MT. ST. BERNARD COLLEGE, Antigonish, N.S. (*Telephone*: Antigonish 74.) Superior—Sister St. Winnefride. ST. MARTHA'S HOSPITAL SCHOOL OF NURSING, Antigonish, N.S. (*Telephone*: Antigonish 54.) Supt. of Nurses—Sister Mary Calvary.

GENERAL INFORMATION

The University was founded in 1853 in Arichat by the Rt. Rev. Colin Francis MacKinnon, Bishop of the Diocese of Arichat, and subsequently moved to its present location at Antigonish. Full University powers were conferred upon St. Francis Xavier University by the Province of Nova Scotia in 1866. The Univ. is under the direction of the Catholic Church, but there are no religious tests for entrance or for degrees. Permanent buildings were begun in 1880.

In 1894 Mt. St. Bernard College, founded in 1883, was affiliated with the Univ.

MATRICULATION REQUIREMENTS. A candidate for admission to the Freshman year must either pass the University Matriculation Examinations or present a certificate showing that he has sufficient academic preparation. For admission to the *Arts Course* credits are required in: Engl.; Hist.; a modern lang.; Algebra; Geom.; Latin; one of: Phys., Chem., Biol., another history, Trigonom., another lang. *Premedical, Predental, and Prelegal* courses: the same credits are accepted. *Science Course*: credits are required in: Engl.; Hist.; a modern lang.; Algebra; Geom.; Phys.; Chem.; one of: Economics, another history, Trigonom., another lang., Biol. *Commerce or Engineering Courses*: either an Arts or Science matricn. will suffice. *Acceptable Certificates*: The following certificates will be accepted, under certain conditions, as offering credits for admission: (*a*) Grade XI Certificates of the Common Examining Board of the Maritime Provinces and Newfoundland. (*b*) New Brunswick Matriculation Certificates and the Second Year Diploma of Prince of Wales College, Charlottetown. (*c*) Ontario Grade XII (Junior matriculation) certifs. (*d*) Quebec High School leaving or Junior Matriculation certifs. (*e*) Equivalent certifs. of the Depts. of Educn. of other provinces. (*f*) Matricn. certifs. issued by recognized colls. (*g*) High school graduation certifs. *See also* Appendix I.

ADMISSION TO PARTIAL OR SPECIAL COURSES. In particular cases students who are not candidates for degrees may be permitted by the Committee on Admissions to enrol in any course from which, in the judgment of the Committee, they will profit.

GENERAL FEES. *First Semester*: Board, $160; Tuition, $80; Room Rent, $48; Laundry, $16; Library, $10; General Fee, $23; Caution Money, $10; Medical and Surgical Attendance, $8; Hospitalization Fee, $7; Total, $362; Total without private room charge, $314. *Second Semester*: Board, $160; Tuition, $80; Room Rent, $48; Laundry, $16; Total, $304; Total without private room charge, $256.

DEGREE COURSES. 5 yrs., B.A. Hons., B.Sc. Hons., B.Sc. Nursing; 4 yrs., B.A., B.Sc., B.Com., B.Sc. Home Econ. Postgraduate, 2 yrs., M.A., B.Ed.

DIPLOMA COURSES. Engineering, 3 yrs.; admits to fourth yr. of 5-yr. course at Nova Scotia Technical College and other engineering schools. Education, 1 yr. postgraduate; qualifies for High School Licence of the Nova Scotia Dept. of Educn. Social Leadership, 2 yrs.; intended for adults who wish to train themselves for community leadership in the work of the Antigonish Movement.

MT. ST. BERNARD COLLEGE offers specialized training, not leading to a degree or diploma, in Arts and Crafts, Music, Dramatics and Secretarial Science (2 yrs.).

SUMMER COURSES. St. Francis Xavier Summer School, Vacation School in Social Action. Various short courses sponsored by the Extension Dept. of the Univ.

EXTENSION DEPARTMENT. This Dept. was set up in 1928 and sponsors a programme of adult education known as the Antigonish Movement. It is separately staffed and educates by means of study clubs, films, radio programmes and by correspondence. It has vastly improved the economic state of fishermen, farmers and industrial workers in the Canadian Maritime Provinces by the establishment of Co-operatives and Credit Unions, and its work has been recognized by outstanding foundations which have given substantial assistance. It sponsors various courses on the campus and awards to students a diploma in Social Leadership, on completion of a two-year course of the principles and methods of the Extension Movement.

General programme of adult educn. chiefly for primary producers and industrial workers in the Maritime Provinces; promotion of credit union and co-operative activities among these groups. Educational work among fishermen of the Maritimes under grant from Dept. of Fisheries. Short courses throughout Maritime Provinces. Leadership Course and Vacation School for Seminarians conducted at Antigonish. About 800 adults in 9 communities in industrial classes connected with the People's School programme. Specialists working on co-operative housing, land settlement and Labour education. Extension Library and film service.

SCHOLARSHIPS, ETC. Knights of Columbus Scholps., 10 to 12 annually, $200 each; 10 Rev. R. McInnis scholps. of $200 and under each; 4 French scholps. annually, $200 each; also various other scholarships, bursaries and prizes.

LIBRARY. 55,000 vols.

LABORATORIES. Biol., Chem., Geol., Phys., Engin.

RESIDENCE. Cameron Hall, McKinnon Hall, Xavier Hall, Mockler Hall these accommodations provide facilities for 800 resident students.

PHYSICAL TRAINING. Gymnasium; skating rink; stadium.

MILITARY TRAINING. University Naval Training Division (U.N.T.D.) established to train suitable young University students for commissioned rank in the Royal Canadian Navy and the Royal Canadian Navy Reserve. Canadian Officers' Training Corps (C.O.T.C.) established to select and train suitable young University students for commissioned rank in the Canadian Active Army and the Canadian Active Army Reserve.

The STUDENTS' UNION is the recognized means of communication between the Fac. and the student body. It is designed to co-ordinate and control all extra-curricular student activities. Every student is a member.

PUBLICATIONS. *Calendar* (July); *Xavierian*, weekly (students' publication); *Alumni News*, 3 times yearly; a *Short History of the University*, available on request, gratis.

THE YEAR 1952–53

STUDENT NUMBERS.

	Full Time	*Part-Time*
Men	710	37
Women	205	72
Total	915	109

Postgraduate students, 33.
New admissions, 298.

DEGREES AWARDED. M.A., 9 ; B.A., 67 ; B.Com., 14 ; B.Sc., 43 ; B.Sc. in Nursing, 2 ; B.Sc. Home Ec., 8 ; B.Ed., 21 ; M.S.W., 6.

DIPLOMAS AND CERTIFICATES AWARDED. Engin., 33 ; Educn., 20.

[*Information compiled as at* 21/6/54.]

SAINT JOSEPH'S UNIVERSITY

Founded 1864; institution for Commerce, Sciences, and Education, founded 1953.

Postal Address (*Arts*) : St. Joseph, New Brunswick, Canada.
Telephone (*Arts*) : Dorchester Exchange 7-4.

PRESIDENT—Rev. THÉODORE GALLANT, Th.L. Montr., Ph.L. Laval.

VICE-PRESIDENT—Rev. ALBÉNI POITRAS, L.Sc. Laval.

SECRETARY-GENERAL—Rev. ALBÉNI POITRAS, L.Sc. Laval.

DEAN OF STUDIES—Rev. ALBÉNI POITRAS, L.Sc. Laval.

DEANS—*English*—Rev. R.-E. SOUCIE, B.A.; *French*—Rev. MAURICE CHAMARD, LL.L. Paris; *Latin*—Rev. LÉONARD GAUDET, LL.L. Montr.; *Maths. and Sciences*—Rev. J.-B. CORMIER, L.Sc. Montr.

TREASURER—Rev. Br. ARSÈNE MORIN, B.L., B.Ed. New Br.

LIBRARIAN—Rev. Br. OMER CORMIER.

Arts

TEACHING STAFF

Accounting

Cadieux, J., L.Sc. Com. Montr. Prof.

Biology

Rossignol, Rev. R., B.A. Prof.

Chemistry

Cormier, Rev. J. B., L.Sc. Montr. Prof.

Classics : Greek

Prévost, Rev. P., B.A. Prof.

Classics : Latin

Professors

Gaudet, Rev. L., LL.L. Montr.
Landry, Rev. P., B.A.
Prévost, Rev. L., B.A.
Brown, Rev. J., B.A.
Picher, Rev. V., B.A.

Commercial Law

Cadieux, J., L.Sc. Com. Montr. Prof.

Economics

Young, A , L.Sc.Soc. Laval Prof.

English

Professors

Kingston, Rev. P., B.A.
Brown, Rev. J., B.A.
Soucie, Rev. R.-E., B.A.
Smith, A., B.A.
Gallant, E.
Bourque, Rev. P., B.A.

French

Professors

Gaudet, Rev. L., LL.L. Montr.
Pellerin, Rev. A., S.Th.L., Ph.L. Laval
Chamard, Rev. M., LL.L. Paris.
Gaudet, Rev. R., B.A.
Picher, Rev. V., B.A.
Prévost, Rev. L., B.A.
Prévost, Rev. P., B.A.
Landry, Rev. Z., B.A.
Morin, Rev. Br. A., B.L., B.Ed. New Br.
Letendre, Rev. Br. P. E.
LeBlanc, Rev. G., B.A.

Haché, A., B.A.
Cormier, L., B.A., Ed.B.
History
Professors
Pellerin, Rev. A., S.Th.L., Ph.L. Laval.
Gaudet, Rev. L., LL.L. Montr.
Chamard, Rev. M., LL.L. Paris.
Mathematics
Professors
Poitras, Rev. A., L.Sc. Laval
Pellerin, Rev. A., S.Th.L., Ph.L. Laval.
Gaudet, Rev. D., B.A.
Letendre, Rev. P. E.
Soucie, Rev. R.-E., B.A.
Prévost, Rev. P., B.A. Montr.
Music
Professors
Gaudet, Rev. D., B.A.
Soucie, Rev. R.-E., B.A.
Archangela, Rev. Sr.
Philosophy
Professors
Kingston, Rev. P., B.A.
LaBrie, R., Ph.D. Laval.
Pellerin, Rev. A., S.Th.L., Ph.L. Laval.
Physics
Professor
Poitras, Rev. A., L.Sc. Laval.
Religion
Professors
Gallant, Rev. T., Th L. Montr., Ph.L. Laval.
Landry, Rev. Z., B.A.
Desjardins, Rev. R. L., B.A., M.Ed. New Br.
Picher, Rev. V., B.A.
Gaudet, Rev. R., B.A.
Prévost, Rev. L., B.A.
Prévost, Rev. P., B.A.
LeBlanc, Rev. G., B.A.
Soucie, Rev. R. E., B.A.

Agricultural School

Gaudet, G., B.Sc.A. Laval Dir.
Professors
Boudreau, Rev. R., B.Sc.A. Laval.
Chiasson, C., B.Sc.A. Laval.
Bourgeois, P., B.Sc.A. Laval.
McIntyre, J. E., B.Sc.A. Laval.
Robichaud, J. P., B.Sc.A. Laval.
LeBlanc, A., B.Sc.A. Laval.
Samson, R., B.Sc.A. Laval.
Robichaud, F., B.Sc.A. Laval.
Martin, A., B.Sc.A. Laval.
Chiasson, T , B.Sc.A. Laval.
Blanchard, F., B.Sc.A., M.Sc. Montr.
Chiasson, E., B.Sc.A. Laval.
Daigle, Rev. M. M., B.A.
Dionne, A., B.A.
Goguen, A., B.A.
Maillet, U., B.A.
Boudreau, C., B.A.
Bourque, G. A.
Daigle, T.
Gaudet, J. A.

Summer School of Education

Gallant, Rev. T., Th.L. Montr., Ph.L. Laval Pres.
Lauzon, Rev. R., B.A. Treasurer.
Gaudet, Rev. L., LL.L. Montr. Dir. of Studies.
DeGrâce, J.-G., M.A. New Br. Sec.

Professors

Albert, H.-A., M.A. (Hist., French).
Sister Marie Jeanne d'Arc (Maths.).
Chamard, Rev. M. (French).
Gauthier, A., Ed.D. (Supervision, Admin.).
Médéric, Rev. Br., B.A., B.Ed. (Lang.).
Michaud, M., M.A. Laval.
Stanislas, Rev. Br., M.A., B.Ed. (Methodol.).
Levasseur, R., L.Ped. Montr.
Cormier, Rev. J. B., L.Sc. Montr. (Scis.).
DeGrâce, J.-G., M.A. New Br. (Methodol.).
Robichaud, E., L.Péd. New Br.

Commerce, Sciences, Education

Postal Address : 80 Church St., Moncton, New Brunswick, Canada.
Telephone : Moncton 4-4684.

PRESIDENT—Rev. CLÉMENT CORMIER, S.Th.L. Montr., LL.D. New Br., B.Sc.Soc. Laval.

VICE-PRESIDENT—Rev. RÉMI ROSSIGNOL, B.A.

SECRETARY-GENERAL—Rev. RÉMI ROSSIGNOL, B.A.

DEAN OF STUDIES—Rev. RÉMI ROSSIGNOL, B.A.

DEANS—*Commerce*—Rev. O. FERGUSON, L.Sc.Com. ; *Education*—Rev. L. TAILLON, M.A., B.Ed. New Br. ; *Sciences*—Rev. J. B. CORMIER, L.Sc. Montr.

TREASURER—Rev. M. M. DAIGLE, B.A.

LIBRARIAN—R. MICHAUD, B.A., B.Ped.

TEACHING STAFF

Accounting
Cadieux, J., L.Sc.Com. Montr. Prof.

Biology
Rossignol, Rev. R., B.A. Prof.

Business Mathematics
Taillon, Rev. Br. L., M.A., B.Ed. New Br. Prof.

Chemistry
Professors
Cormier, Rev. J. B., L.Sc. Montr.
Rossignol, Rev. R., B.A.
LeBlanc, R., B.Sc.

Commercial Law [Prof.
Cadieux, J., L.Sc. Com. Montr.

Commercial Sciences
Professors
Taillon, Rev. Br. L., M.A., B.Ed. New Br.
Cadieux, J., L.Sc.Com. Montr.
Young, A., L.Sc.Soc. Laval

Economics
Young, A., L.Sc.Soc. Laval Prof.

English
Rossignol, Rev. R., B.A. Prof.

French
Professors
Michaud, R., B.A., B.Péd.
Cormier, Rev. C., S.Th.L., LL.D., B.Sc.Soc.

Mathematics
Professors
Rossignol, Rev. R., B.A.
LeBlanc, R., B.Sc.

Philosophy
Cormier, Rev. C., S.Th.L., LL.D., B.Sc.Soc. Prof.

Physics
Professors
LeBlanc, R., B.Sc.
Cormier, Rev. J. B., L.Sc. Montr.

Religion
Professors
Lavoie, Rev. R., B.A.
Daigle, Rev. M. M., B.A.

Statistics
Ferguson, Rev. O., L.Sc.Com. Montr. Prof.

AFFILIATED INSTITUTIONS

COLLÈGE NOTRE-DAME D'ACADIE, 343 Archibald St., Moncton, N.B. (*Telephone* : 4-4121.) Superior—Rev. Mother Juliette, M.A.

ASSUMPTION COLLEGE, 96 Ave. Norwood, Moncton, N.B. (*Telephone*: 4-4073.) Superior—C. Johnson, B.A.

MOREAU SEMINARY, Saint Joseph, N.B. (*Telephone*: Dorchester Exch. 45-32.) Superior—Rev. P. J. Kingston, B.A.

SAINT THOMAS SEMINARY, Saint Joseph, N.B. (*Telephone*: Dorchester Exch. 7-4.) Superior—Rev. L. Prévost, B.A.

SCHOOL OF HOME ECONOMICS, Saint Joseph, N.B. (*Telephone*: 38-13.) Superior—Rev. Sister Marie-de-Lourdes.

GENERAL INFORMATION

Founded in 1864, the institution was incorporated under the name of "The College of Saint Joseph," with the power to confer degrees, by an Act of the New Brunswick Legislature in 1868. In 1898, the original charter was amended, the name being changed to "The University of Saint Joseph's College." In 1906, Oxford Univ. admitted St. Joseph's Coll. to the privileges of the Statute of Colonial Universities. In 1928 the legal title was changed to "Saint Joseph's University." The University is conducted by the Fathers of Holy Cross. It is a bilingual institution (French and English-speaking).

CONSTITUTION. Since the opening of the new building in Moncton in September 1953 for Sciences, Commerce and Education, St. Joseph's University is governed by a single corporation with its main centre of administration at St. Joseph. There is a general cttee. on studies, comprising the Pres. and the Dean of Studies of each Institution as members *ex officio*. These officers outline the general curriculum of studies for the University. For the rest, each Institution has its own budget and is administered as if it were a separate college; each has a Board of Governors, comprising the Pres., the Vice-Pres., the Dean of Studies, the Sec., and two local Councillors. The powers of members of the Council are limited to consultation, excepting problems of finance. The local Cttee. on Studies is composed of the Pres. of the Institution, the Dean of Studies, and the Deans of the depts. The Deans of the depts. are responsible to the Dean of Studies, who is responsible to the Pres. of the Institution.

LIBRARY, ETC. 40,000 vols. Museum: Natural Hist. and Acadian Hist. The Library, Museum and Archives, the first instn. of its kind organized for the benefit of the Acadian population, has specialized in, and contains valuable collections on, the Hist. of Acadia.

LABORATORIES. Chem., Phys., Biol.

DEPARTMENTS. High School level: Academic, Comm., Agricultural and Home Econ. Coll. level: Arts, Comm., Sci., Music, Home Econ.

ADMISSION. *See* Appendix I.

DEGREES. M.A., B.A., B.L., B.Sc., B.Sc.Com., B.Sc.Fam., B.M., B.Ed., B.Sc. in Home Econ. Courses in Arts, Scis., Comm., Music, Home Econ. leading to Bachelor's degree, cover 4 yrs. Bachelor's degree in Educn. awarded after postgrad. course of 1 yr. or equivalent.

COURSES OF STUDIES. Arts (leading to B.A. and M.A.); Sci. (leading to B.Sc.); Comm. (leading to B.Sc.Com.); Music (leading to B.M.); Home Econ. (leading to B.Sc. in Home Econ.); Educn. (leading to B.Ed.).

FEES. For tuition only: $127. For board, residence and tuition: $400 plus. Degrees: $5 to $20.

RESIDENCE. Accommodation for 500 male students.

THE YEAR 1952–53

BENEFACTIONS. Provincial govt., $20,000; Federal govt., $30,000.

HONORARY DEGREES. *Ph.D.*—Rev. J. W. Osborne, pastor, Lancaster, N.B.; C. F. Cormier, Mass., U.S.A. *LL.D.*—His Hon. Judge J. L. Duguay, New Carlisle, P.Q. *Ed.D.*—J.-G. DeGrace, Fredericton, N.B. *D.Sc.C.*—J.-A. Breau, Montreal, P.Q.; W. P. Gerald, Toronto.

STUDENT NUMBERS.

ARTS (St. Joseph)		
	Full-Time	*Part-Time*
Men	412	32
Women	..	278
Total	412	310

SCIENCES, COMM. AND EDUCN. (Moncton)		
	Full-Time	*Part-Time*
Men	73	..
Women	2	..
Total	75	..

DEGREES. Ed.B., 7; B.A., 49; B.Sc.Com., 5; B.Sc.Fam., 2.

[*Information compiled as at* 24/8/54.]

SAINT MARY'S UNIVERSITY

Founded 1841

Postal Address: Halifax, Nova Scotia, Canada.
Telephone: 2-6421.

CHANCELLOR—Most Rev. J. GERALD BERRY, D.D., S.D.L., M.Sc., Archbishop of Halifax.

PRESIDENT—Very Rev. F. J. LYNCH.

VICE-PRESIDENT—Rev. M. J. BELAIR.

DEANS—*Commerce*—H. G. BEAZLEY, B.Comm , *Engineering*—J. L. RYAN, B.E.; *Men*—J. P. MCCARTHY; *Science*—Rev. M. W. BURKE-GAFFNEY; *Studies*—Rev. P. G. MALONE.

STUDENT COUNSELLOR—Rev. G. GALLAGHER.

PRINCIPAL OF HIGH SCHOOL—Rev. E. TYLER.

REGISTRAR—ANNE WALKER, B.A.

BURSAR—D. J. MARKLEY.

TEACHING STAFF

Accounting
Beazley, H. G., B.Comm.

Auditing
Davidson, E., B. Comm.

Biology
Sister Mary Lua, B.A. St. John's, M.Sc. C.U.A.

Chemistry
Walsh, J. P., M.Sc. Dal.
Sabean, A. T., M.Sc. McG.

Draughting
Bulley, B. E., N.S.T.C.

Economics
Malone, Rev. P. G.
Dalton, W., B.A.

Engineering Problems
Ahern, W. K., B.E.N.S.T.C.

English
Fogarty, Rev. D.
Rourke, Rev. D.
O'Donnell, Rev. M.

French
Nelson, Rev. A.

Geology
Cole, E. J., B.E. N.S.T.C.

History
O'Donnell, Rev. M.

Latin
Wilson, Rev. A.

Mathematics
Sabean, A. T., M.Sc., McG., B.Sc.
Burke-Gaffney, Rev. M. W.

Mechanics
Burke-Gaffney, Rev. M. W.
Lynch, Rev. J.

Philosophy
Stewart, Rev. W. A.

Labelle, Rev. H.

Physics

Cosgrove, E. T., B.E. N S.T.C., B.Sc.
Ahern, W. K., B.E. N.S.T.C.

Political Science

Dalton, W., B.A.

Religion

Malone, Rev. P. G.
Gallagher, Rev. G.
Viragh, Rev. A.

Sociology

Rourke, Rev. D.

Surveying

Vaughan, V., B.E. N S T.C.

GENERAL INFORMATION

In 1841 the Rt. Rev. Bishop Fraser founded Saint Mary's College. An Act of the Legislature of Nova Scotia passed in the same yr. and confirmed on several occasions conferred full Univ. powers. All through its history, Saint Mary's has been under the direction of groups of Roman Catholic clergy. The secular clergy, the Brothers of the Christian Schools, and the Christian Brothers of Ireland have all had charge of the administration. In June 1940, on the invitation of Most Rev. J. T. McNally, Archbishop of Halifax, the Jesuit Fathers of Upper Canada assumed direction of the Coll. A new property was purchased in 1943, and on it was raised the new structure which was opened in Sept. 1951. In 1952 the name was officially changed to Saint Mary's University.

ADMISSION. To be admitted as an undergrad. a candidate must offer credit in 7 matric. subjs. Jr. matric. requirements are: *B.A.*—Engl., Lat., French, Algebra, Geom. and 2 of: Chem., Phys., Hist., Econ., or another lang. *B. Comm.*—Engl., Lat., or another lang., French, Algebra, Geom. and 2 of: Chem., Phys., Hist., Econ., or another lang. *B. Sc.*—Engl., French or Lat., Algebra, Geom., Phys., Chem., and one of: Hist., Econ., Biol., Trig., or another lang. *Dipl. in Journalism*—same requirements as for B.A. *Dipl. in Engin.*—same requirements as for B.Sc. *See also* Appendix I.

DEGREE COURSES. B.A., B.Sc., B.Com., 4 yrs. from Jr. Matric.

DIPLOMA COURSES. Engin., Journalism, 3 yrs. from Jr. Matric.

FEES. Tuition: Arts, Comm., Sci., Engin. $160 a yr. (Lab. fees addtnl. $5 and $15 per subj.). General Fee $36, including registration fee, library, athletics, health service and students' council.

RESIDENCE. Accomm. available for 230 students. Board, room, rent and laundry, $550 a yr.

EVENING DIVISION. Evening courses provided for men and women who wish to obtain B.A.; also open to those interested only in single subjects. In addition 5 series of 10 lectures offered at low cost for interested members of the public; no academic credit for these lectures.

SUMMER SESSION. A 6-wk. Session of the Univ., July 6 to Aug. 15; courses are offered for Univ. credit.

ENTRANCE SCHOLARSHIPS. Include 13 parish scholps. and 3 Knights of Columbus scholps.

LIBRARY. 33,000 vols.

LABORATORIES. Chem., Phys., Biol., Engin.

MILITARY TRAINING. Canadian Officers' Trg. Corps, University Naval Trg. Division. Royal Canadian Air Force Summer Trg. and Subsidization Schemes.

STUDENT HEALTH SERVICE. Includes physical examn. and X-ray at Registration. Infirmary in Residence ; Graduate nurse, campus physician.

PUBLICATIONS. *Calendar* (March) ; *Journal* (fortnightly students' publication) ; *Collegian* (yearly students' publication).

THE YEAR 1952–53

STUDENTS.

	Full-Time	*Part-Time*
Men	222	33
Women	..	..
Total	222	33

New admissions, 86.

DEGREES AWARDED. B.A., 8 ; B.Comm., 4.

DIPLOMAS AWARDED. Engin., 9 ; Journalism, 1.

[*Information compiled as at* 28/6/54.]

UNIVERSITY OF SASKATCHEWAN *

Founded 1907

Postal Address : Saskatoon, Saskatchewan, Canada.
Telephone : Saskatoon 10114.

VISITOR—The Hon. W. J. PATTERSON.

CHANCELLOR—F. HEDLEY AULD, M.B.E., LL.D.

CHAIRMAN OF GOVERNORS—S. N. MACEACHERN, M A., LL.B.

PRESIDENT AND VICE-CHANCELLOR—WALTER P. THOMPSON, B.A. Tor., A.M., Ph.D. Harv., D.Sc. Br. Col., F.R.S.C.

DEANS—*Agriculture*—V. E. GRAHAM, M.S., Ph.D. Wis , B.S A. ; *Arts and Science*—J. F. LEDDY, B.Litt., D.Phil. Oxon., M.A. ; *Commerce*—T. H. MCLEOD, B.A. Brandon, A.M. Ind., M.P.A. Harv. ; *Education*—C. E. SMITH, B.Sc. Lond., M.A., D.Pæd. Tor. ; *Engineering*—I. M. FRASER, B.Sc. McG. ; *Graduate Studies*—J. W. T. SPINKS, M.B.E., B.Sc., Ph.D. Lond., F.R.S.C. ; *Home Economics*—HOPE H. HUNT, B.A. Tor., M.Sc. Col., Ph.D. Minn. ; *Law*—F. C. CRONKITE, Q.C., A.M., LL.B. Harv., LL.D. Br. Col. ; *Medicine*—J. W. MACLEOD, O.B.E., B.Sc., M.D. McG. ; *Pharmacy*—W. C. MACAULAY, M.Sc. Purdue, B.S.P. ; *Regina College*—W. A. RIDDELL, B.A., B.Sc. Manit., Ph.D. Stan., M.Sc.

REGISTRAR—N. K. CRAM, B.A., B.Ed.

BURSAR—D. J. GRAHAM.

LIBRARIAN—D. C. APPELT, M.A. Alta., A.B.L.S. Mich

TEACHING STAFF

Accounting and Commerce

McLeod, T. H., B.A. Brandon, A.M. Ind., M.P.A. Harv. Prof. and Dean.
Goodspeed, Georgia, B.Acc., M.B.A. Chic. Assoc. Prof.
Campbell, G. R. D., M.Comm. Tor., B.Comm. Asst. Prof.
Laimon, S., M.B.A. W. Ont., B.Comm. Asst. Prof.

Agriculture, v. *infra*

Anatomy

Jackson, J. L., M.A. Alta., M.B. Tor. Prof.
Altschul, A., M.U.Dr. Prague Prof.

Art

Snelgrove, G. W., A.M. Chic., Ph.D. Lond. Prof.
Bornstein, E., B.S. Milwaukee Asst. Prof.

Bacteriology

Rea, G. W., M.B., B.Ch., D.P.H. Belf., B.Bact. Lond. Prof.

Biochemistry

McArthur, C. S., B.A. W. Ont., M.Sc., Ph.D. Tor. Prof.
Woodford, V. R., B.S. Charleston, M.Sc. McG. Asst. Prof.

* Member of the Association of Universities of the British Commonwealth.

Biology

Professors

Rawson, D. S., Ph.D. Tor., F.R.S.C.
Vanterpool, T. C., M.Sc McG.
Saunders, L. G., M.Sc. McG., Ph.D. Camb
Rempel, J. G., Ph.D. Corn., M.Sc.
Arnason, T. J., Ph.D. Wis., M.Sc.
Shaw, M., M.Sc., Ph.D. McG.

Chemistry

Professors

Spinks, J. W. T., M.B.E., B.Sc., Ph.D. Lond., F.R.S.C. Dean Grad. Studies.
Van Cleave, A. B., Ph.D. McG. and Camb., M.Sc.
McCallum, K. J., Ph.D. Col., M.Sc., F.R.S.C.

Associate Professors

Pepper, J. M., M.A. Br. Col., Ph.D. McG.
Cavers, S. D., M A.Sc. Br. Col., Ph.D. Cal. Tech.

Assistant Professors

Eager, R. L., B.E., M.Sc. Sask., Ph.D. McG.
Trevoy, L. W., M.A. Sask., Ph.D. Chic.
Bardwell, J. A. E., B.A., M.Sc. W. Ont., Ph.D. McG. and Minn., D.Phil. Oxon.
Walden, C. C., M.A.

Classics

Leddy, J. F., B.Litt., D.Phil. Oxon., D.Litt. St.F.X., M.A. Dean Fac. of Arts and Sci., Prof.
Ferguson, R. M., M.A. Dub. Prof.
Conacher, D. J., M.A. Qu., Ph.D. Chic. Assoc. Prof.

Drama

Jones, E. M., M.A. Alta. Prof.
Holroyd, F. Asst. Prof.

Economics

Professors

Britnell, G. E , M.A., Ph.D. Tor., B.A., F.R.S.C.
Fowke, V. C., Ph.D. Wash., M A., F.R.S.C.
Timlin, Mabel F., Ph.D. Wash., B.A., F.R.S.C.

Associate Professors

Allely, J. S. M., B.A. Qu., A.M. Harv.
Reid, A. N., M.A. Qu.
Buckley, K. A. H., M.A. Tor., Ph.D. Lond., B.A.

Assistant Professors

Burns, Rev. F. L., M.A. W. Ont., Ph.D. Mich.
Thorburn, H. G., B.A. Tor., A.M Col.

Education

Smith, C. E., B.Sc. Lond., M.A., D.Pæd. Tor. Prof. and Dean.
Toombs, M. P., M.A., M.Ed. Prof.

Associate Professors

Clark, S , B.A., M.Ed.
Deverell, A. F., B.A., B.Ed. Alta., Ed.D. Stan.
Langley, G. J., Ph.D. Col., B.A., M.Ed.
Paul, J. W., B.A. Qu., M.Ed. Chic.

Engineering, v. *infra*

English

Professors

King, C. A., Ph.D. Tor.
McCourt, E. A., B.A. Alta., M.A. Oxon.
Tracy, C. A., B.A. Tor., Ph.D. Yale.

Associate Professors

Bentley, J. A., M.A. Dal., Ph D. Harv.
Blissett, W. F., B.A. Br. Col., M.A., Ph.D. Tor.
O'Donnell, Rev. J. L., M.A. Tor.
Smith, J. P., Ph.D. Calif., M.A.

Assistant Professor

Cherry, D. R., Ph.D. Tor., M.A.

French

Cameron, Margaret, M.A. McG. and Radcliffe, D. de l'U. Paris Prof.

Mallon, Rev. J. P., M.A. Tor., D. de l'U. Laval Assoc. Prof.

Bujila, Mrs. Bernadine, A.M. Col., Ph.D. Mich., B.A., B.Ed. Assoc. Prof.

Geology

Mawdsley, J. B., B.Sc. McG., Ph.D. Prin., F.R.S.C. Prof.

Edmunds, F. H., M.Sc. Liv., F.G.S. Prof.

Byers, A. R., B.Sc., Ph.D. McG. Assoc. Prof.

Kupsch, W. O., M.Sc., Ph.D. Mich. Asst. Prof.

German

Anstensen, A., M.B.E., M.A., Ph.D. Col. Prof.

Gunvaldsen, K. M., M.A., Ph.D. Wis. Assoc. Prof.

History

Simpson, G. W., M.A. Tor., Ph.D. Munich, B.A. Prof.

Neatby, Hilda, Ph.D. Minn., M.A. Prof.

Lightbody, C. W., M.A. Tor. and Oxon., Ph.D. Corn., B.A. Assoc. Prof.

Murray, Jean E., M.A. Tor., Ph.D. Chic., B A. Asst. Prof.

Finn, Rev. R. W., M.A., L.M.S. Tor. Asst. Prof.

Home Economics

Hunt, Hope H., B.A. Tor., M.Sc. Col., Ph.D. Minn. Prof. and Dean.

Rowles, Edith C., M.Sc. Wis., B.H.Sc. Assoc. Prof.

Law

Cronkite, F. C., Q.C., A.M., LL.B. Harv., LL.D. Br. Col. Prof. and Dean.

Whitmore, E. F., Q.C., LL.B. Prof.

Schmitt, G. R., LL.M. Harv., B.A., LL.B. Assoc. Prof.

Cole, C. V., B.A. Mt. All., LL.B. Bost., LL.M. Harv. Asst. Prof.

Mathematics

Ferns, H. H., Ph.D. Tor., B.A. Prof.

Miller, C. E., M.A., Ph.D. Tor. Prof.

Scherk, P., Ph.D. Gott., F.R.S.C. Assoc. Prof.

McEown, A. C., B.Sc. Asst. Prof.

Medicine

Professors

Brown, A. B , M.D. Qu.

Hilliard, J. M , B.A., M.D. Tor , F.R.C.P.

McKerracher, D. G., M.D. Tor.

Nanson, E. M., M.B., Ch.B. N.Z., F.R.C.S.

Spencer, E. W., M.D. Manit.

Wyant, G. M., M.D. Bologna

Assistant Professors

Bailey, A. A., M.D. Tor., M.S. Minn.

Hunt, T. E., M.D. Tor., F.R.C.P. Can.

Merriman, J. E., M.D. Qu., F.R.C.P.

Yonge, K., M.D. McG., D.P.M. Lond.

Music

Adaskin, M. Prof.

Nursing

Keeler, Hazel B., A.M. Col., B.A. Prof. and Dir. of Nursing Educn.

Lusted, Hester J., B.S., A.M. Col. Asst. Prof.

Willis, Lucy D., B.Sc., A.M. Col. Asst. Prof.

Pathology

Moore, D. F., M.D., B.Sc. Tor. Prof.

Adams, J. W., M.D. Tor.
Assoc. Prof.
Newell, J. E., M.D. Manit.
Asst. Prof.

Pharmacy

MacAulay, W. C , M.Sc. Purdue, B.S.P. Prof. and Dean.
Jeffrey, J. G., B.S.P., M.Sc.
Assoc. Prof.
Wood, J. A., M.S. Wash., B.S.P.
Assoc. Prof.

Assistant Professor

Summers, J. L , M C., M.S. Iowa, B.S.P.

Philosophy

Bateman, J. V., M.A. Dub , Ph.D. Edin. Prof.
Sullivan, Rev. B. F , M.A. Prof.
Paton, R., B.D. St. And., Ph.D. Edin , B.A. Assoc. Prof.
Finn, Rev. R. W., M.A., L.M.S. Tor. Asst. Prof.

Physical Education

Keefe, R. J., B A. N.Y., A.M , Ed.D. Col. Assoc. Prof.
McLean, H. Joyce, B.P.H.E. Tor.
Asst. Prof.

Physics

Professors

Currie, B. W., Ph.D. McG., M.Sc., F.R.S.C.
Haslam, R. N. H., Ph.D. McG., M.A., F.R.S.C.
Katz, L., M.A. Qu., Ph.D. Cal. Tech., F.R.S.C.
Johns, H. E., B.A. McM., M.A., Ph.D. Tor., F.R.S.C.

Assistant Professors

Hunten, D. N., B.A. W. Ont., Ph.D. McG.
Jones, A. V., M.Sc. N.Z., Ph.D. Camb.

Physiol. and Pharmacol.

Jaques, L. B., M.A., Ph.D. Tor., F.R.S.C. Prof.
Millar, G. J., B.A., Ph.D. Tor.
Assoc. Prof.
Lowenthal, J. M.Sc., Ph.D. Montr.
Asst. Prof.
Hamilton, L., A.B. W'mette, M.S. Iowa Asst. Prof.

Political Science

Britnell, G. E., M.A., Ph.D. Tor., B.A., F.R.S.C. Prof.
Ward, N. M., B.A. McM., M.A., Ph.D. Tor. Assoc. Prof.
Burns, Rev. F. L., M.A. W. Ont., Ph.D. Mich. Asst. Prof.

Psychology

McMurray, G., M.A. Bishop's, Ph.D. McG. Assoc. Prof.
Rennie, R. A., B.A., B.Ed.
Assoc. Prof.
Corrigan, Rev. J. V., B.A. W. Ont., M.A. Tor. Asst. Prof.
Montague, Rev. R. M., B.A. Tor.
Asst. Prof.

Slavic Studies

Andrusyshen, C. H., M.A. Manit., Ph.D. Tor. Assoc. Prof.

Agriculture

Animal Husbandry

Bell, J. M., B.S.A. Alta., M.Sc. McG., Ph.D. Corn. Prof.
Howell, W. E., B.S.A. Tor., M.S. Wis. Asst. Prof.

Bacteriology, Agric.

Graham, V. E., M.S., Ph.D. Wis., B.S.A. Prof. and Dean.

Dairy Science

Gibson, D. L., B.S.A. Manit., M.Sc., Ph.D. Minn. Prof.
Myhr, A. N., M.S. Minn., B.S.A.
Asst. Prof.
Humbert, E. S., B.S.A., M.Sc.
Asst. Prof.

Farm Management

Van Vliet, H., M.Sc. Prof.
How, R. B., B.Sc. McG., M.S., Ph.D. Corn. Assoc. Prof.

Field Husbandry

Harrington, J. B, Ph.D. Minn., B.S.A. Prof.
Knott, D. R., B.S.A. Br. Col., M.S., Ph.D. Wis. Asst. Prof.

Horticulture

Patterson, C. F., B.S.A. Tor., Ph.D. Ill. Prof.

Mechanics, Agric.

Symes, O. L., B.A., B.E. Assoc. Prof.
Moysey, E. B., M.S. Iowa, B.E. Asst Prof.

Plant Ecology

Coupland, R. T., B S.A. Manit., Ph.D. Neb. Assoc. Prof.

Poultry Husbandry

Rae, W. J., B.S A. Manit., M.Sc. Wis. Prof.
O'Neil, J. B., M S.A, Br. Col. Assoc. Prof.

Soil Science

Mitchell, J., Ph.D. Wis., B.S.A. Prof.
Hutcheon, W. L., B.S.A., M.Sc. Assoc. Prof.
Rennie, D. A., Ph.D. Corn., B.S.A. Asst. Prof.

Veterinary Science

Fulton, J. S., D.V.S. McKillop Prof. and Dir. of Animal Diseases Lab.
Millar, J. L., B.V.S. Ont. Vet. Col. Assoc. Prof.

Engineering

Agricultural E.

Symes, O. L , B.A., B.E. Assoc. Prof.
Moysey, E. B., M.S. Iowa, B.E. Asst. Prof.
Beach, D., B.E. Asst. Prof.

Civil E.

Douglas, A. H., B.E Prof.
Forsberg, C. R., M.Sc. Assoc. Prof.
Torchinsky, B. B., M.Sc. Alta. Asst. Prof.
Riemer, P., B.E. Asst. Prof.

Electrical E.

Lovell, W. E., B Sc. (E.E.) Manit. Prof.
Michalenko, A., B Sc. Manit., D.I.C. Lond. Assoc. Prof.
Ludwig, R. E., B.Sc. Manit., M.Sc. Purdue Asst. Prof.

General E.

Maksymiuk, D., B.Sc. Manit. Asst. Prof.
Mann, O., M.S. Iowa, B.E. Asst. Prof.

Geological E.

Mawdsley, J. B., B.Sc. McG., Ph.D. Prin., F.R.S.C. Prof.
Edmunds, F. H., M.Sc. Liv., F.G.S. Prof.
Byers, A. R., B.Sc., Ph.D. McG. Assoc. Prof.
Kupsch, W O., M.Sc., Ph.D. Mich. Asst. Prof.

Mechanical E.

Fraser, I. M., B.Sc. McG. Prof. and Dean.
Staples, W. R., M.S. Ill., B.E. Assoc. Prof.
Mantle, J. B., B.E., M.S. Ill. Assoc. Prof.
Wedgwood, J. A., B.E. Asst. Prof.

Extension

Ramsay, R., M.S. Minn., B.S.A. Prof. and Dir.
..... Assoc. Prof.
Paul, L. C., Ph.D. Minn., M.Sc. Assoc. Prof.
Robinson, D. R., B.S.A. Asst. Prof.

Pattillo, Margaret, B.Sc. Acad. Asst. Prof. and Dir. of Women's Work.
Wirick, A., B.A. Br.Col. Supervisor Adult Educn. Services.

Vocational Agriculture

Baker, W. B., B.S.A. Asst. Prof. and Dir.
Stilborn, A. A., B.A., B.S.A., B.Ed. Asst. Prof.

ADMINISTRATIVE STAFF

Business Manager: J. P. Curror. Supt. of Bldgs.: W. J. Robson, B.Sc., M.A.Sc. Director of Correspondence Courses: D. D. Cameron, M.A., Ph.D. Domestic Supt.: Mary Chamard, B.H.Sc. Alumni Sec.: F. Lovell, B.Comm.

Regina College

Postal Address: Regina, Saskatchewan, Canada.
(*Telephone*: Regina 4681.)

Dean—W. A. Riddell, B.A., B.Sc. Manit., Ph.D. Stan., M.Sc.

Director of Conservatory—R. Watson.

Director of Fine Arts—K. C. Lochhead.

Academic Dept.—*Biol.*, G. F. Ledingham, Ph.D. Wis., M.Sc. *Chem.*, The Dean; A. M. Kristjanson, Ph.D. McG., M.A *Classics*, S. E. Stewart, M.A. Dal. *Econ.*, F. W. Anderson, M.A. *English*, Lucy H. Murray, M.A. Tor., Ph.D. Chic., B.Ed.; L. G. Crossman, M.A., B.Ed. *French*, Margaret Belcher, M A. Tor., B.A. *History*, W. R. Graham, B.A. Manit., M.A., Ph.D. Tor. *Maths.*, W. C. Blight, B.Sc. Manit. *Physics*, L. H. Greenberg, M.A.

St. Thomas More College

Postal Address: Saskatoon, Saskatchewan, Canada.
Telephone: Saskatoon 6074.

Principal and Prof. of Philosophy—Rev. B. F. Sullivan, M.A. *Econ. and Pol. Sc.*, Rev. F. L. Burns, M.A. W. Ont., Ph.D. Mich., Asst. Prof. *English*, Rev. J. L. O'Donnell, M.A. W. Ont. *French*, Rev. P. Mallon, M.A. Tor., D. de l'U. Laval. *History*, Rev. R. W. Finn, M.A., L.M.S. Tor. *Psychol. and Philos.*, Rev. J. V. Corrigan, B.A. W. Ont., M.A. Tor., Asst. Prof.; Rev. R. M. Montague, B.A. Tor., Asst. Prof. Adviser to Women, Mrs. Bernadine Bujila, M.A. Col., Ph.D. Mich., B.Ed.

AFFILIATED COLLEGES, ETC.

Emmanuel College, Saskatoon (*Telephone*: Saskatoon 23066), estabId. 1879 for training Anglican clergy. Courses for Testamur, Lic.Th., B.D. Principal—Rev. R. S. Dean, B.D., M.Th., D.D.

St. Andrew's College, Saskatoon (*Telephone*: Saskatoon 23025), estabId. 1912, for training for the ministry of the United Church of Canada. Authorized to confer degrees in Divinity (B.D. and D.D.). Principal—Rev. J. B. Corston, M.A., Ph.D.

LUTHERAN COLLEGE AND SEMINARY, Saskatoon (*Telephone*: Saskatoon 97818), incorporated 1924, for training Lutheran clergy. Authorized to confer degrees in Theology (B.D.). Principal—Rev. E. J. Treusch, B.A., B.D., S.T.M.

LUTHER THEOLOGICAL SEMINARY, Saskatoon (*Telephone*: Saskatoon 92488), established 1939, for training of men for the Gospel Ministry in W. Canada. A 3-yr. course in Theology leading to the Candidate in Theology diploma, and with additional requirements, the Bachelor of Divinity degree. President—Rev. O. K. Storaasli, B.A., M.Th., S.T.D.

JUNIOR COLLEGES—Campion Coll., Regina; St. Peter's Coll., Muenster; Luther Coll., Regina.

GENERAL INFORMATION

The Act establishing the Univ. was passed by the Legislative Assembly of the Province in 1907. The first classes began in September 1909. The first bldg. on the campus was opened for the admission of students in October 1912. St. Thomas More College, established by the Fathers of St. Basil in 1936, gives classes in most Arts subjects on the same footing as the Coll. of Arts and Science. In 1934 Regina Coll. was taken over by the Univ. and continued as a Junior Coll. with a Conservatory of Music. Other Junior Colls. were authorized in 1924 to give work for Univ. credit to the end of the first year in Arts. Those continuing to function are: Campion and Luther Colls. in Regina, and St. Peter's Coll., Muenster.

The site of the University includes 1340 acres devoted to Agric. Education and Research, and a campus of 300 acres with a half-mile river frontage. The land, buildings and equipment cost about $9,700,000. The maintenance of the Univ. is partly provided for by assignments of revenue and legislative grants. The annual budget is about $2,700,000.

CONSTITUTION. Convocation has power to consider all matters affecting the interests and well-being of the Univ. and to make representations thereon to the Senate. The Senate grants degrees, authorizes establishment of scholarships, etc., colleges, depts., chairs of courses of instruction within the Univ., and considers and determines all courses of study. The Board of Governors administers the property and revenues of the Univ., establishes and maintains facs., depts., chairs, etc. determined by the Senate, and appts Univ. staff. The Univ. Council conducts examns., and considers for report to Senate courses of studies and other educational matters. The Facs of the Colls. have charge of all matters of scholarship within each Coll. Advisory Councils for the Colls. of Agric., Educn. and Med. consider and report to the Senate and Bd. of Governors on general regulations and courses of study.

The University conducts the LICENCE EXAMINATIONS for the following professions:—Medicine and Surgery, Law, Dentistry, Accounting, Archit., Nursing, Vet. Sci., Optometry, Pharmacy, Land Surveying, Chiropody, Chiropractors, Embalming, Music, Naturopathy.

LIBRARY, 130,000 vols. LABORATORIES: Chem., Phys., Biol., Bact., Anat., Physiol., Engin., Geol., Field Husbandry, Agric. Engin., Animal Diseases, Dairy, Soils, Horticulture. Farm (830 acres). Agric. Experimental Fields (450 acres). Special provision for research in the various branches of Agriculture. OBSERVATORY.

FACULTIES. Arts and Science, Agric., Law, Engin., Pharm., Med., Educn. Home Econ., Nursing, Graduate Studies, Commerce. *See also* p. 902.

DEGREE COURSES. B.A., B.Comm., 3 yrs., Hons. 4 yrs.; B.S.P. (Pharm.), B.S.A. (Agric.), B.E. (Engin.), B.S. H.Ec. (Home Ec.), B.Ed., 4 yrs.; LL.B., 3 yrs.; combined B.A. and B.Comm., 4 yrs.; combined B.A. and B.S.A., B.A. and LL.B., B.A. and B.E., 5 yrs.; B.S.N. (Nursing), 5 yrs.; B.Sc. (Med.), 5 yrs. This Univ. has the sole right to confer degrees (other than Theol.) in the Province.

HIGHER DEGREES. M.A., M.Sc., M.Ed.—examn. open to Bachelors of 1-yr. standing; Ph.D., minimum of 3 yrs. after B.A. (Hons.). Candidates must have taken some part of previous education at another Univ.

DIPLOMAS AND CERTIFICATES. A 1-yr. course in Arts, designed specially for Junior Colls., leads to the Associateship in Arts. A 2-yr. course in Agric. leads to the Associateship in Agric. A 1-yr. certif. course in Education for graduates in Arts and Science, Agric., Engin., Accounting or Household Sci. A course is given for Laboratory Technicians. 3-yr. dipl. course in Nursing. Two 1-yr. dipl. courses for grad. nurses.

OTHER COURSES. Practical course for young farmers (1 or 2 yrs.), at University Farm School. Summer School in co-operation with Provincial Department of Education. Short Courses on Agricultural and allied subjects. Short courses for professional groups.

ADMISSION REQUIREMENTS. Agriculture, Arts and Science, Commerce, Education, Engineering, Household Science, Nursing, Pharmacy—Saskatchewan Grade XII (Senior Matriculation) or its equivalent in certain required subjects. Law—one year pre-law in Arts and Science. Medicine—at least two years' premedical course in Arts and Science. *See also* Appendix I.

ALUMNI ASSOCIATION. The central office is located at the Univ. with branches of the Association in most of the large cities across Canada. Official publication, *The Green and White*, published four times a year, and also other information bulletins which are forwarded to all members.

JOINT SERVICES UNIVERSITY TRAINING. Training for officers for the Armed Forces is provided through the University Naval Training Division, the University Contingent of the Canadian Officers' Training Corps and the Royal Canadian Air Force (Auxiliary) University Flight.

FEES. Tuition p.a. for degree course in Agric., $175; Engin., $250; Comm., $200; Educn., $175; Pharm., $225; Med., $350; Arts and Sci., $175; Graduate, $175; Home Econ., $175; Law, $200; Nursing, $175; School of Agric., $100.

SCHOLARSHIPS FOR GRADUATES. Saskatchewan Govt. Res. Fellowships of $800 or $1000 each; Consolidated Mining and Smelting Fellowship for grads. in Sci., Engin., or Agric., $1000 plus $200 for equipment; National Res. Council Bursaries of $800, Scholps. of $1100 and Fellowships of $1400 to qualified grads. in Biol., Chem., Engin., Geol., Metall., Mineral., Phys. and Maths.; Agric. Res. Foundation Scholp., $1000, 2 yrs.; Canadian Industries Ltd. Fellowship, $1200 plus $300 for maintenance; Thorvaldson Scholp., $500 for students in Chem.; Saskatchewan approved Hatchery Assn. Scholp. (Poultry), $600.

RESIDENCE. Hostels for 170 men and 90 women. Men: Qu'Appelle Hall (*Telephone*: 10128); School of Agriculture (*Telephone*: 10119). Women: Saskatchewan Hall (*Telephone*: 10125). All residences are situated on the University campus. Board and room fees, $45 to $55 per month.

UNIVERSITY EXTENSION. Correspondence courses in Arts; Depts. of Agric. Extension and Women's Work provide lectures, demonstrations and short

courses, including courses for rural boys and girls in agriculture and home-making. Also adult educn. courses and lecture courses at the Univ. for those not intending to read for a degree.

PUBLICATIONS. *Calendar* (April); *Agric. Bulletins*; *Sheaf* ($1 per yr.); *President's Report*; *Greystone* ($3.75 per yr.); *The Green and White.*

THE YEAR 1952–53

BENEFACTIONS. Scholps., $73,970; research, $354,900; other purposes, $98,830.

RETIREMENTS. E. A. Hardy (Engin.); H. Carson (Phys. Educn.).

RESIGNATIONS. N. B. Hutcheon (Engin.); D. E. Hutcheon (Pharmacol.); L. H. J. Shebeski (Fld. Husb.); Lorna M. S. Davis (Home Econ.); F. F. Pyne (Phys. Educn.); W. Hamilton (Extension Specialist).

DEATH. C. A. Mackay (Phys.).

HONORARY DEGREES. *D.C.L.*—Mr. Justice J. W. Estey (Member of Supreme Court of Canada; former staff member on Bd. of Governors; Minister of Educn., Attorney General); A. Moxon (Chairman, Bd. of Governors, former Dean and Prof. of Law). *LL.D.*—G. Herzberg (Dir. of Division of Phys. of Nat. Res. Council, former staff member); G. B. Reed (Prof. of Bacteriol., Queen's Univ., P.R.S.C., Chairman of Fisheries Res. Bd. of Canada).

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	1790	1280
Women	495	1998
Total	2285	3278

Postgraduate students, 114.

New admissions (regular winter session students only), 575.

Students from other countries, 41. (Countries from which largest numbers came: U.K., 12; U.S.A., 4; British W. Indies, 3; India, 3; Ireland (Republic of), 3; Nigeria, 3.)

DEGREES. *Agric.*: B.S.A., 33; *Arts*: B.A., 215; *Comm.*: B.Comm., 37; *Educn.*: B.Ed., 66; *Engin.*: B.E., 84; *Laws*: LL.B., 24; *Nursing*: B.S.N., 7; *Pharm.*: B.S.P., 27; *Graduate*: M.A., 11; M.Sc., 23; Ph.D., 6.

SIR GEORGE WILLIAMS COLLEGE *

Founded 1929; incorporated 1948

Postal Address: 1441 Drummond Street, Montreal 25, P.Q., Canada.
Telephone: MA 8331.

PRINCIPAL—KENNETH EVERETTE NORRIS, M.A., Ph.D. McG.

VICE-PRINCIPAL AND DEAN—HENRY FOSS HALL, B.A. Eastern, L.R.E. Montreal Diocesan Theological Coll

REGISTRAR—DOUGLASS BURNS CLARKE, M.A. McG., B.A.

BURSAR—HENRY GEORGE WORRELL, B.A.

LIBRARIAN—MARGARET FLORENCE BROADHURST, B.A. Qu., B.L.S. McG.

TEACHING STAFF

Accountancy

Finnie, J. G., B.Sc.(Com.) Assoc. Prof.

Lecturers

Atkinson, J. B.
Bloom, A., B.Sc.(Com.).
Briant, P. C., B.Com. McG.
Brimacombe, L.
Cohen, N.
Fallon, R. H., B.Com. McG.
Hendry, J.
Koch, S. W.
Rennie, J. H., B.Sc.(Com.).
Yates, J. H.

Biology

Honeyman, J. M., B.A. McG., A.M. Harv. Prof.
Peets, D. L., B.Sc. McG. Assoc. Prof.
Martin, Helen J., M.Sc. McG. Lectr.

Chemistry

Madras, S., B.Sc., Ph.D. McG. Prof.
Ufford, J. R., B.Eng. McG., M.A.Sc. Tor. Assoc. Prof.
Spracklin, B. G., B.A., B.Sc. Acad. Asst. Prof.

Lecturers

Beck, I. T., M.D. Geneva.
Dick, J. G., B.Sc.
Francœur, M., M.Sc. McG.
Kushnarov, H., M.Sc. Manit.
Massiah, T., B.Sc.
Schaffelburg, B. S., M.Sc. Acad.
Verschingel, R., B.Sc.
Yates, C. H., Ph.D. McG., B.Sc.

Classics

Worsfold, H. H., B.A. Camb., M.A. McG. Assoc. Prof.

Commerce

Pugsley, P. T. R., B.A., B.Com. Prof.

Lecturers

Archer, J. B., B.A., B.Sc.
Belford, J. A., B.Com. McG.
Bissonnette, A. L., B.C.L. McG.
Black, J. M., B.A. McG., M.B.A. Col.
Brown, L. J., M.A. Manit.
Chandler, H. W., B.Sc.(Com.).
Collard, E. G., B.A., B.C.L. McG.
Crawford, J.
Dawson, D. R., B.A. McM.
Devlen, M. T., B.Com. Melb.

* Member of the Association of Universities of the British Commonwealth.

Dickstein, J., B.Com. McG., M.B.A. Penn.
Ferguson, I. K., B.A. Tor.
Ferguson, J. R., B.Com., B.A.
Gardiner, J. M., B.Com.
Innes, W. D., B.Com.
Johnstone, D. W., B.Com.
Leonidas, G. J., B.Com. Manit., M.B.A. Chic.
MacLean, A.
Mather, T. E., B.Com. Tor.
Maurice, G. U., B.A. Ott., L Sc. Soc. Montr.
McCann, J. A.
McFarlane, A. H., M.A. McG.
McLaughlin, C., B.A., M.Com. Montr.
Metayer, T. J.
Mitchell, J.
Popp, Z. G., M.B.A. Chic.
Read, L. M., B.Eng. McG., B.A., B.Sc.
Reeve, J. M., B.Com. Manit., M.B.A. Chic.
Sarrasin, J. J.
Saunders, E. E., B.A., B.C.L. McG.
Small, W. D., B.Comm. Qu.
Soden, J. A., B.C.L. McG.
Tamaki, G. F., B.A. Br. Col., LL.M. Tor.
Tetley, F. W.
Threlfall, M. S.
Todd, R. B., B.Eng. McG.
Walsh, A. M., B.A., B.C.L. McG.

Draughting

Rossaert, F. E. Lectr.
Thompson, W. A., B.Sc. Qu. Lectr.

Economics

Lermer, A., M.A. Tor. Prof.

Lecturers

Armstrong, D. E., B.A., B.Com. Alta.
Halford, C. R., B.Com.
Hollinger, M., M.A. McG., Ph.D. Penn.
Petros, D. S., B.Sc. Chic.
Scipio, S., B.A. Cracow, M.Com. Lwow.

Education

Hamilton, L., M.A. McG. Lectr.
Morin, Renée, B.Sc. Lectr.

English

Wasserman, Mrs. R., M.A. McG., M.A. Radcliffe, Ph.D. Corn. Assoc. Prof.
Compton, N., M.A. McG. Assoc. Prof.
Francis, Mrs. W. P., B.A. Asst. Prof.
Waterston, Mrs. E., M.A. Bryn Mawr, B A., Ph.D. Tor. Asst. Prof.

Lecturers

Sokolyk, Mrs. D. M., B.A.
Arnold, L., B.A.
Arthurs, A. D. G., B.Com. W.Ont.
Briggs, Mrs. R., B.A. Sask.
Candib, A., B.A.
Cochrane, E. G., B.A.
Hankinson, W. C., M.A. Acad.
Hogwood, G. E.
Kneeland, S. F., B.A. McG.
Layton, I. P., B.Sc. (Agr.), M A. McG.
Loiselle, Phyllis, B.A.
MacFarlane, D. B., B.A.
MacLean, Mrs. L. E., B.A. Tor., M.A. Smith.
Maizel, Norah L.
Manson, N., B.A.
McGill, D., B.A. Tor.
Miller, Mrs. A., M.A. Tor.
Smith, Ruth, B.A. Qu.
Stoeckel, R. W.
Tobias, Rytsa, B.A.
Wrath, Mrs. B., B.A.

Fine Arts [Prof.
Clarke, D. B., M.A. McG., B.A.

Lecturers

McCorkindale, J.
Hillenbrand, J. R.
Wheeler, O., B.A. Bishop's.
Adams, K. D., A.Mus. McG., B.Sc.

Allen, Mrs. T. S.
Caiserman, Mrs. R., A.B. Parsons Sch. of Design.
Sherman, Mrs. L., M.A. N.Y., B.A.
Stewart, J., B.F.A. Chic.

French

Portier, J. M., M.A. McG. Asst. Prof.
Irwin, Norah F., M.A. McG. Lectr.

Geography

Clinch, H. A., M.A. McG. Lectr.

German

Flore, R. F. Asst. Prof.

Hebrew

Wiseman, S., M.A. McG. Lectr.

History

McCullough, E. E., B.A. Qu. Asst. Prof.
Beattie, S. F., B.A. Lectr.

Humanities

Thompson, C. W., M.A. Oxon. Prof.

Mathematics

Smith, N. E., B.A. New Br., Ph.D. McG. Assoc. Prof.

Assistant Professors

Sparling, C. C., B.A. Qu.
Vowles, Edna, B.Sc. Brist.

Lecturers

Zweig, J. P., M.A. McG., B.Sc., B.Sc.(Com.).
Bent, A. D., B.Sc. Acad.
Deathe, E. W., B.A. Dal.
Schwartz, H. H., B.Eng. McG., S.M. M.I.T.
Smith, L. J., B.Sc.
Storr, E., B.A. Oxon.

Natural Sciences

Hall, H. F., B.A. Eastern, L.R.E. Montr. Dioc. Theol. Coll. Prof.
Paterson, E. R., B.A. McG. Asst. Prof.

Philosophy

Fraser, W. R., B.A. Mt. All., M.A. Dal., B.D. U.T.C. Prof.

Lecturers

Angel, R. B., B.A. McG.
Lewis, H., B.A. McG.
Pitt, J. A., M.A. McG., B.Sc.

Physics

Raudorf, W. R., Ph.D. Vienna Prof.
Petolas, J. P., B.Sc. Asst. Prof.

Lecturers

Bordan, J., B.Eng., M.Sc. McG.
Stiles, R. D., B.Sc. N.S.T.C.
Turnbull, A. D., B.Sc. N.S.T.C.

Political Science

Quinn, H. F., M.A. McG., B.A. Assoc. Prof.

Lecturers

Fraser, R. A., B.A.
Plunkett, T., B.A.
Schwartz, D., B.A. Qu., B.C.L. McG., LL.M. Harv.

Psychology

Bridges, J. W., B.A. McG., A.M., Ph.D. Harv. Prof.

Lecturers

Smith, D. D., M.A. Minn., B.A.
Irvine, Mrs. L., M.A. McG.
Milner, Mrs. B., M.A. Camb., Ph.D. McG.
Sofin, Mrs. R., M.A. McG.

Sociology

Potter, H. H., M.A. McG., B.A. Asst. Prof.

Lecturers

Badgley, R. F., B.A. McG.
Kosa, J., Ph.D. Bud.
Vaz, E. W., B.A. McG.

Spanish

Stegen, G. F., B.A. Lectr.
Torres, M. Lectr.

Textiles

Lecturers

Fitton, C. F.
Robinson, J. I.
Sheps, L. J., B.Sc. Manit., Ph.D. McG.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar : R. A. Fraser, B.A. Asst. Dean : C. W. Thompson, M.A. ; Oxon. Student Counsellor : D. D. Smith, M.A. Asst. Student Counsellors : J. A. Sproule, B.A., M.Ps.Sc., Jean P. Harder, M.A. Supervisor of Records : Mona Osborne. Dir. of Athletics and Admin. Asst. : M. Flynn, B.Com.

GENERAL INFORMATION

Sir George Williams College has developed from the formal educational work of the Montreal Young Men's Christian Association inaugurated in 1873. First classes at the University level were offered in 1929 in the evening division, and day courses in Arts, Science and Commerce were inaugurated in 1932. The members of the first class graduated in 1936 and by 1954 some 2183 degrees had been presented. Throughout this period the College had been conducted under the terms of the charter of the Montreal Young Men's Christian Association (consolidation June 1888). In March 1948, however, the College was granted a specific charter by the Provincial Legislature, establishing it a body corporate and politic, for the purpose of conducting a College or University in the Province of Quebec. Its historic connexion with the Y.M.C.A. is preserved by by-law.

Similar courses are offered and the same standards are maintained in both day and evening divisions, although evening students are required to attend for a longer period to complete degree requirements.

FACULTIES. The facs. of Arts, Science and Commerce are closely integrated under the general supervision of the Dean of the Coll. To ensure a broad general basis to the educational programme of each faculty, the work of the College as a whole is further organized in four divisions, each supervised by a Sr. Prof. : Natural Science Division—Sr. Professor S. Madras ; Social Science Division—Sr. Professor J. W. Bridges ; Humanities Division—Sr. Professor C. W. Thompson ; Commerce Division—Supervisor, Assoc. Prof. P. T. R. Pugsley.

ENTRANCE REQUIREMENTS. Satisfactory completion of a recognized secondary school programme ; all students must have completed secondary school English, and prospective science students must have completed elementary algebra and plane geometry. Standing must be sufficiently better than mere " pass " to indicate ability for college work. Occasionally, mature students who have not completed secondary school are admitted conditionally, provided that various tests administered by the Coll. indicate that there is likelihood of their being able to follow college studies satisfactorily. *See also* Appendix I.

DEGREES AND DEGREE COURSES. 4 yrs., B.A., B.Sc., B.Com. (longer in the evening courses). No higher degrees are awarded. Attendance at lectures is required for all programmes.

DIPLOMAS. 2 yrs., Assoc. Arts, Assoc. Sc., Assoc. Com. (longer in the evening division). 4-yr. course for Dip. in Association Sc. for professional Y.M.C.A. Secretaryship.

FEES. Annually for tuition—Day Division : $225 ; plus $15 lab. fee for each course involving lab. work, $15 student society fee. Evening Division : $40 for each 8-month subject, $20 for each 4-month subject, plus $15 lab. fee for each course involving lab. work, and $5 student society fee.

USUAL LANGUAGE OF INSTRUCTION. All courses, except language courses, are offered in the English language.

PARTIAL STUDENTS. Non-matriculated students are admitted to evening courses for partial programmes, provided that their background is such that they may follow the courses desired.

VACATION COURSE. A summer session is offered each year in the evening division only, from June 1 to the middle of Sept.

PLACEMENT SERVICE. Placement service for students and graduates offered by the Student Guidance Office in conjunction with National Employment Service.

LIBRARY. 26,597 vols. Open shelf system.

LABORATORIES. Biol., Chem., Electricity and Physics.

RESIDENCE. Men students may reside in the Y.M.C.A. dormitories which occupy space in one of the buildings used by the Coll.

MILITARY TRAINING. College Contingents prepare students for commissions in Canadian Army (Reserve), Canadian Navy (Reserve) and R.C.A.F. Radar and Communications (Reserve).

STUDENT ATHLETIC FACILITIES. Gymnasium and swimming pool.

PUBLICATIONS. *Calendar* (July); *The Georgian* (students' weekly newspaper); *The Yearbook* (graduating class annual); *The Post-Grad* (quarterly of Alumni Assoc.)

THE YEAR 1952–53

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	542	2334
Women	98	703
Total	640	3037

Postgraduate students, nil.

New admissions, 1144.

Students from other countries, 70. (Countries from which largest numbers came: British W. Indies, 18; U.S.A., 17; Latin America, 8.)

DEGREES. B.A., 116; B.Sc., 67; B.Com., 95.

DIPLOMAS. Assoc. in Arts, 12; Assoc. in Sci., 6; Assoc. in Comm., 10; Association Sci., 8.

[*Information compiled as at July* 1954.]

UNIVERSITY OF TORONTO*

Founded 1827

with which are federated

VICTORIA UNIVERSITY, TORONTO,
THE UNIVERSITY OF TRINITY COLLEGE, TORONTO,
ST. MICHAEL'S COLLEGE, TORONTO, and
KNOX, WYCLIFFE and EMMANUEL COLLEGES.

Postal Address: Toronto, 5, Ont., Canada.
Telephone (Registrar's Office): 6347.

CHANCELLOR—S. BEATTY, M.A., Ph.D., LL.D., F R.S.C.

CHAIRMAN OF THE BOARD OF GOVERNORS—Col. W. E. PHILLIPS, C.B.E., D.S.O., M.C., B.A.Sc., LL.D.

PRESIDENT—SIDNEY SMITH, Q.C., M.A., LL.D., D.C.L., F.R.S.C.

REGISTRAR—J. C. EVANS, B.A.

COMPTROLLER—A. G. RANKIN, B.Com.

BURSAR AND SECRETARY TO THE BOARD OF GOVERNORS—C. E. HIGGINBOTTOM, F.C.I.S.

LIBRARIAN—W. S. WALLACE, M.A., LL.D., F.R.S.C.

SUPERINTENDENT OF BUILDINGS AND GROUNDS—A. D. LE PAN, B.A.Sc.

CHIEF ACCOUNTANT—D. J. REID.

DIRECTOR OF UNIVERSITY EXTENSION—R. J. GILLEY, B.A.Sc.

DIRECTOR OF UNIVERSITY HEALTH SERVICE—G. E. WODEHOUSE, M.C., M.D., F.R.C.P.

ASSISTANT DIRECTOR OF UNIVERSITY HEALTH SERVICE (WOMEN)—FRANCES H. STEWART, B.A., M.D.

DIRECTOR OF THE UNIVERSITY OF TORONTO PRESS—M. JEANNERET, B.A.

Note.—In the following list the members of the staff in the Faculty of Arts are indicated thus:

University College (C.).	Trinity College (T.).
Victoria College (V.).	St. Michael's College (M.).

TEACHING STAFF

Accounting, v. Political Economy

Anthropology

McIlwraith, T. F., M.A. Camb., F.R.S.C. Hd. of Dept. and Prof.

Brown, G. G., M A., Ph.D. Assoc. Prof.

Carpenter, E. S., Ph.D. Penn. Asst. Prof.

* Member of the Association of Universities of the British Commonwealth.

Emerson, J. N., M.A. Asst. Prof.
3 Instrs., 2 Assts.

Archæology, v. Art and Archæology

Architecture, v. *infra*

Art and Archæology

Brieger, P. H., Ph.D. Bres. Hd. of Dept. and Prof.

Associate Professors

Comfort, C. F.
Brett, G., M.C., M.A. Oxon.
Graham, J. W., M.A. Acad., Ph.D. Johns H.

Assistant Professor

Vickers, G. S., B.A. McM., A.M. Harv.

Special Lecturers

Baldwin, L. C. M., B.A.Sc.
Brett, Mrs. Katharine B.
Hall, J. A.
Haworth, P., D.F.C.
Needler, Winifred E., B.A.
Spendlove, F. St. G., Dip.Arch. Lond., F.R.S.A.

Lecturers

Moyer, R. R., A M. Col.
Winter, F. E., B.A. McG.
Key, S. J., M.A.
2 Instrs., 1 Asst., 1 Reader.

Astronomy

Heard, J. F., B.A. W. Ont., M.A. McG., Ph.D. McG. and Lond. Hd. of Dept., Professor and Dir. of Observ.
MacRae, D. A., B.A., Ph.D. Harv. Assoc. Prof.

Assistant Professor

Hogg, Mrs. Helen B. S., A.B. Mt. Holyoke, A.M., Ph.D. Radcliffe, F.R.S.C.

Lecturers

Northcott, Ruth J., M.A.
Hossack, W. R., M.A., Ph.D.
Oke, J. B., M.A., Ph.D. Prin.

Biology, v. Zoology

Botany

Sifton, H. B., M.A., Ph.D., F R S.C. (Ecology and Plant Morph.) Prof.
Duff, G. H., M.A., Ph.D., F.R.S.C. (Plant Physiol.) Prof.
Bailey, D. L., B.A. Qu., M.S., Ph D. Minn., F.R.S.C. (Plant Pathol.) Prof.

Associate Professors

Bannan, M. W., B.A., Ph.D. F.R.S.C.
Forward, Dorothy F., Ph.D. Tor. and Camb., M.A.

Assistant Professors

Lehmann, A. J. V., M.Sc. Alta.
Soper, J. H., M.A. McM., Ph.D. Harv.
Cain, R. F., M.A., Ph.D.
Rothfels, K. H., B.A., Ph.D.
White, L. T., M.A. W. Ont., B.Sc.F., Ph.D.
Morgan-Jones, J., M.Sc. Manit.

Lecturers

Hull, Kathleen L., M.A. McM., Ph.D. Chic.
Dale, H. M., M.A.
Whitaker, Judith F. M., M.A. Br. Col.
15 Demrs.

Chemistry, v. also Appl. Sci. and Engin., Food Chem.

Gordon, A. R., O.B.E., M.A., Ph.D., F.R.S.C. Hd. of Dept. and Prof.
Wright, G F., M.B.E., B.Sc., Ph.D. Iowa State Coll. Prof.
Rogers, L. J., B.A.Sc., M.A. Prof.
Beamish, F. E., M.A. McM. Prof.
LeRoy, D. J., M.A., Ph.D., F.R.S.C. Prof.

Associate Professors

Lorriman, F. R., B.E.M., M.A., Ph.D.
Wetmore, F. E. W., B.Sc. New Br., M.A., Ph.D.

McIntosh, R. L., M.B.E., B.A., M.Sc. Dal., Ph.D. McG., F.R.S.C.
Lister, M. W., M.A., D.Phil. Oxon.

Assistant Professors

Rae, J. J., B.A. McM., M.A., Ph.D., F.C.I.C.
McBryde, W. A. E., Ph.D. Virginia, M.A.
McCasland, G. E., A.B. Calif., A.M. Col., Ph.D. Cal. Tech.

Lecturer

Brook, A. G., B.A., Ph.D.
25 Demrs.

Chinese Studies, v. *infra*, East Asiatic Studies

Classics

Getty, R. J., B.A. Belf., M.A. Camb.
Hd. of Dept. and Prof. (C.)
Tait, M. D. C., M.A. Oxon. (Greek) Prof. (C.).
Bagnani, G., D. Litt. Rome (Classics) Assoc. Prof. (C.).
Wallace, W. P., B.A. Oxon., Ph.D. Johns H., B.A. Assoc. Prof.

Assistant Professors (C.)

Woodbury, L. E., B.A. Manit., A.M., Ph.D. Harv.
Heichelheim, F. M., Ph.D. Giessen.

Lecturers (C.)

Thomson, D. F. S., M.A. Oxon.
Shepherd, R. M. H., M.A. Camb.
Norwood, Mrs. F. M. H., Ph.D. Wis., M.A.
Woodside, M. St. A., M.A. Oxon., B.A. (Anc. Hist.)
Dean of Arts and Sp. Lectr. (C.).
Bennett, H., Ph.D. Chic., B.A. (Latin) Prof. (V.).
Robertson, H. G., Ph.D. Chic, B A. (Greek)
Chairman of Dept. and Prof. (V.).
Robson, D. O., M.A., Ph.D. (Latin) Assoc. Prof. (V.).
Keyes, G. L., Ph.D. Prin., M.A. Asst. Prof. (V.).
Grant, J. R., A.M., Ph.D Harv., B.A. Asst. Prof. (V.).
Robson, Mrs. Rhenau, B.A. Sp. Lectr.
Grube, G. M. A., M.A. Camb., F.R.S.C.
Hd. of Dept. and Prof. (T.).
Adams, S. M., M.A. (Greek) Prof. (T.).
White, Mary E., M.A. Oxon. Assoc. Prof. (T.).
Cole, J. W., M.A. Oxon. Lectr. (T.).
Philip, J. A, D.Litt. Florence, B.A. Lectr. (T.).
O'Toole, Rev. W. B., M.A.
Hd. of Dept. (Latin) Prof. (M.).
Muckle, Rev. J. T., M.A. C.U.A., Litt.D. W. Ont., F.R.S.C. Prof. (M.).
Kennedy, Rev. V. L., L. ès L. Stras., Arch.D. Rome, M.A. Prof. (M.).
O'Donnell, Rev. J. R., M.A., Ph.D. Prof.
Flahiff, Rev. G. B., Dip. de l'É. des Ch. Paris, B.A. Prof.

Associate Professors (M.)

St. John, Sister M., M.A.
St. Stanislaus, Sister M., M.A.
Wey, Rev. J. C., M.A.

Lecturers (M.)

Blandina, Sister M., M.A.
Sheridan, Rev. J., A.M., Ph.D. Harv.
McNeil, Rev. D. J. J., M.A.
Vahey, Rev. T. J., M.A.

Dentistry, v. *infra*

East Asiatic Studies

Dobson, W. A. C. H., M.A. Oxon. Hd. of Dept. and Prof.
Walmsley, L. C., B.A., D.Pæd. Assoc. Prof.

Shih, C. C., B.A. Peiping, B.D. Hartford, M.A., Ph.D. Chic. Asst. Prof.
Dunn, H. A., B.A. Q'ld. and Oxon. Lectr.
1 Instr., 1 Asst.

Economics, v. Polit. Econ.

Education, v. *infra*, Ontario Coll. of Education

Embryology, v. Zool.

Engineering, v. *infra*

English

Woodhouse, A. S. P., A.M. Harv., D.Litt. Acad., B.A., F.R.S.C. Hd. of Dept. and Prof. (C.).
Knox, R. S, M.A. Aberd., B.A. Oxon. Prof. (C.).
Endicott, N. J., B.Litt. Oxon., B.A. Oxon. and Tor. Prof. (C.).
MacGillivray, J. R., Ph.D. Harv., M.A. Prof. (C.).
Wilson, H. S, B.A. Dal., A.M., Ph.D. Harv. Assoc. Prof (C).
Priestley, F. E. L., M.A. Alta., Ph.D. Assoc. Prof. (C.).
Grant, W. D. B., M.A., D.Phil. Oxon. Assoc. Prof. (C.).
Bissell, C. T., Ph.D. Corn., M.A. Assoc. Prof. (C.).
Dunn, C. W., B.A. McM., A.M., Ph.D. Harv. Asst. Prof.

Lecturers (C.)

McDougall, R. L., B.A. Br. Col., M.A., Ph.D.
Rhodes, E., M.A. Lond.
Cotter, G., M.A., Ph.D.
Harris, R. S., M.A.
Baxter, J. S., B.A. Br. Col.
Colville, D. K., B A. Durh , A.M., Ph.D. Wash.
Crompton, L., A.M. Chic., M.A.
Frye, H. N., M.A Oxon., B A., F.R.S.C. Chairman of Dept., Prof. (V.).
MacLean, K., B.A., Ph.D. Yale Prof. (V.).
Coburn, Kathleen H., B.Litt. Oxon., M.A., F.R.S.L. Assoc. Prof. (V.).
Jenking, Ruth I., M.A. Asst. Prof.
Love, C. C., M.A. Camb., Ph.D. Asst. Prof. (V.).
MacLure, M , M.A. Acad., Ph.D. Asst. Prof. (V.).

Lecturers (V.)

Knight, D. J., M.A.
Pratt, E. J., C.M.G., M.A., Ph.D. Tor., Litt.D. Man., McG., LL.D. Qu., D.C.L. Bishop's, F.R.S.C. Sp. Lectr.
Hoeniger, F. D., M.A.
Kee, K. O , M.A.
Barker, A. E , Ph D. Lond., M.A. Hd. of Dept. and Prof. (T.).
Child, P. A., B.A. Tor. and Camb., A.M., Ph.D. Harv. Prof. (T.).
Kirkwood, Mrs. Mossie M., M.A., Ph.D. Assoc. Prof. (T.).
Roper, G. H., M.A., Ph.D. Chic. Assoc. Prof. (T.).
Wilson, M T , M.A. Asst. Prof. (T.).
Shook, Very Rev. L. K., M.A. Tor., A.M., Ph.D. Harv. Hd. of Dept., Prof. (M.).
McCorkell, Very Rev. E. J., M.A. C.U.A., LL.D. Ott., B.A. Prof. (M.).
McLuhan, H. M., M.A. Manit. and Camb., Ph.D. Camb. Prof. (M.).
Mallon, Rev. H. V., M.A. Mich., B.A. Asst. Prof.

Lecturers (M.)

Dominica, Sister M., M.A.
St. Francis, Sister M., M.A.
Dorsey, Rev. J., M.A. C.U.A., B.A.
Boniface, Sister M., B.A.
Geraldine, Sister M., M.A.
Platt, Rev. W., M.A.
Madden, Rev. J. F., M.A., Ph.D.

Theall, D. F., A.B. Yale, M.A.
11 Teaching Fellows (C.) and 2 (T.), 3 Instrs. (C.), and 1 Instr. (V.), 2 Readers (V.).

Fine Art, v. Art

Food Chemistry

Smith, M. Doreen, M.A., Ph.D. Prof.
Walker, E. Isabel, M.A. Asst. Prof.
Butterfield, Mrs. Jean R., M.A. Lectr.
Parker, W. E., B.Sc. Acad., M.Sc., Ph.D. McG. Spec. Lectr.
2 Instrs., 1 Asst., 1 Demr.

Forestry

Sisam, J. W. B., B.Sc.F. New Br., M.F. Yale Dean and Prof.
Dwight, T. W., M.F. Yale, B.Sc.F. Prof.
Love, D. V., B.Sc.F. New Br., M.F. Mich. Assoc. Prof.
Hosie, R. C., B.Sc.F., M.A. Prof.
Michell, A. S., M.F. Duke, B.Sc.F. Assoc. Prof.
Hall, A. D., B.Sc.F. Lectr.
Armson, K. A., B.Sc.F. Lectr.
2 Instrs.

French

Jeanneret, F. C. A., D. ès L. Laval, B.A., O.A. Hd. of Dept. and Prof. (C.).
Rouillard, C. D., A.B. Bowdoin. A.M., Ph.D. Harv. Prof. (C.).
Humphreys, H. L., B.A. Mich., M.A. Prin., Ph.D. Col. Prof. (C.).
Finch, R. D. C., B.A. Prof. (C.).
McAndrew, W. J., M.A. Assoc. Prof. (C.).
Joliat, E. A., B.A. McG., D. de l'U. Paris Assoc. Prof. (C.).
Hayne, D. M., M.A., Ph.D. Ott., B.A. Asst. Prof.
Parsons, C. R., M.A. McG. Asst. Prof.

Lecturers (C.)

Balthazard, Isabelle G., M.A., O.A.
MacDonald, Marguerite D., Dip. de l'U. Paris.
Sanouillet, M., L. ès L., Dip. d'É.S. Paris.
Trethewey, W. H., Ph.D. Chic., M.A. Chairman of Dept. and Prof. (V.).
Wood, J. S., B.A. Lond., M.A. Birm., D. de l'U. Paris Prof.
Hare, F. A., M.A. Assoc. Prof. (V.).
Rièse, Laure, Dip. d'É. Sup. Neuchâtel, M.A., Ph.D. Assoc. Prof. (V.).
Cook, Alta L., B.A. Asst. Prof.
de Montmollin, D. P., L. ès L. Neuchâtel Asst. Prof. (V.).
Ross, A. C. M., M.A. McM. Asst. Prof.
Jeans, R. W., D. de l'U. Paris, B.A. Lectr. (V.).
Rogers, W. S., A.M. Col., B.A. Hd. of Dept., Prof. (T.).
Kennett, W. T. E., B.A. Br. Col., M.A., Ph.D. Prin. Assoc. Prof. (T.).
Ruddock, W. J., M.A. Qu., B.A. Asst. Prof. (T.).
Jackson, Mrs. A. L. Lectr. (T.).
Jackson, G. D., B.A. Manit., M.A. Lectr. (T.).
Bondy, Rev. L. J., M.A. Chic., Ph.D. Johns H., D. ès L. Montr., B.A., LL.D. Laval Hd. of Dept. and Prof. (M.).
Denomy, Rev. A. J., B.A. W. Ont., Ph.D. Harv., M.A. Harv. and Tor., F.R.S.C. Prof. (M.).
Bernard, Sister M., M.A. Assoc. Prof.
Klem, Rev. L. J., Ph.D. Laval, M.A. Assoc. Prof.
Olga, Sister M., M.A., Ph.D. Assoc. Prof.

Lecturers

Marie-Thérèse, Sister, M.A., Ph.D.
St.-Magdalen, Sister M., M.A.
Corinne, Sister M., Ph.D. Laval, M.A.
O'Gorm, Rev. G. D., M.A
2 Teaching Fellows (C.), 1 Instr. (C.), 1 Fellow (V.), 1 Oral Instr. (V.).

Genetics, v. Zoology

Geography

Putnam, D. F., B.S.A., Ph.D. Hd. of Dept. and Prof.

Associate Professors

Tatham, G., M.A. Liv., Ph.D. Clark.
Kerr, D. P., B.A. Br. Col., M.A., Ph.D.

Lecturers

Spelt, J., M.A. Wis., drs. Utrecht.
Potvin, G., B.A. Sac. Heart, L. ès L. Laval.
Tayyeb, A., M.A. Alig.
Richards, J. H., B.Sc. Wales, M.A.
Crosby, J. A., B.S. Chic., M A. Wash.
3 Teaching Fellows, 1 Cartographer, 4 Assts.

Geological Sciences

Langford, G. B., Ph.D. Corn., B.A.Sc., F.R.S.C. (Mining Geol.) Hd. of Dept. and Prof.
MacLean, A., B.A. (Geol.) Prof.
Fritz, Madeleine A., B.A. McG., M.A., Ph.D., F.R.S.C. (Palæontol.).

Associate Professors

Moorhouse, W. W., Ph.D. Col., M.A. (Geol.).
Meen, V. B., M.A., Ph.D. (Mineral.).

Assistant Professors

Smith, F. G., M.Sc. Manit., Ph.D.
Nuffield, E. W., B.A. Br. Col., Ph.D.
Beales, F. W., M.A. Camb., Ph.D.

Lecturers

Tovell, W. M., M.S. Cal. Tech., B.A.
Gorman, B. H., B.Sc. New Br.
Peach, P. A., B.Sc. Edin., M.A., Ph.D.
Gross, W. H., B.Sc. Br. Col., M.A., Ph D.
16 Assts , 2 Instrs.

German

Fairley, B., M.A., Litt.D. Leeds, Ph.D. Jena, F.R.S.C. Hd. of Dept. and Prof. (C.).
Boeschenstein, H., Ph.D. Rostock Prof. (C.).
Milnes, H. N., Ph.D. Ohio State, M A. Asst. Prof. (C.).
Sinden, Margaret J., B.A., Ph.D. Asst. Prof. (C.).

Lecturer (C.)

Nicholls, R. A., B.A. Oxon.
Surerus, J. A., B.A. Hd. of Dept. and Prof. (V.).
Arnold, R. K., Ph D. Prague Prof. (V.).
Field, G. W., M.A., Ph.D. Asst. Prof. (V.).
Lewis, C., M.A. Oxon. Hd. of Dept. and Prof. (T.).
Joyce, D. A., B.A. McG., A.M. Harv., Ph.D. Lectr. (T.).
1 Instr. (V.).

History

Professors

Flenley, R., M.A. Liv., B.Litt. Oxon., F.R.S.C. Hd. of Dept. and Prof.
Underhill, F. H., M.A. Oxon., B.A., F.R.S.C.
Brown, G. W., M.A., Ph.D. Chic., LL.D. Br. Col., B.A., F.R.S.C.
Wilkinson, B., M.A., Ph.D. Manc.
Creighton, D. G., M.A. Oxon., LL.D. New Br., B.A., F.R.S.C.

McDougall, D. J., M.A. Oxon., B.A.
Saunders, R. M , M.A. Clark, Ph.D. Corn.

Assistant Professors
Careless, J. M. S., A.M., Ph.D. Harv., B.A.
Conacher, J. B , M.A. Qu., Ph.D. Harv.
Craig, G.M., Ph.D. Minn.
Powicke, M. R., M.A. Oxon.

Lecturers
Paterson, G. C., M.A. Sp. Lectr.
Piepenburg, W. W., M.Sc. Wis., Ph.D. Camb.
Nelson, H. I., M.A. Corn., B.A.
Spencer, R. A., B.A. McG., D.Phil. Oxon , M.A.
Zaslow, M., B.A., B.Ed. Alta , M.A.
Cairns, J. C., Ph.D. Corn., M.A.
Nelson, W. K., M.A. Col. Sp. Lectr.
White, P. C. T., B.A. Br. Col., Camb.
Assts., 1 Reader.

History, Ancient, v. Classics

Household Science
McLaren, Miss B. A., B.Sc. Alta. M.S. Miss., Ph.D. Wis. Prof. and Hd. of Dept.
Park, Edna W., M.A. Assoc. Prof.
Frank, Miss G. C., M Sc. Montr., B.A. Asst. Prof.

Lecturers
Coatsworth, Helen R., M.A.
McKellar, Margaret R., M.A.
Crewson, Miss A., B.Sc. Manit.
Allen, Mrs G. B., M.A.
Eames, Muriel A., B.A. Sp. Lectr.
3 Assts., 1 Res. Asst., 3 Instrs.

Italian, Spanish and Portuguese
Goggio, E., A.B., Ph.D. Harv., M.A. Hd. of Dept. and Prof.
Cano, J., A.B. Tol., A.M., Ph.D. Col. Prof.
Patterson, G. C., M.C., B.A. Prof.
Parker, J. H., M.A., Ph.D. Assoc. Prof.

Lecturers
Corrigan, Beatrice M., M.A., Ph.D. Sp. Lectr.
Tayler, N. H., M.A., Ph.D.
Molinaro, J. A , M A., Ph.D.
Dawson, T. L. C., M.A.
Barclay, T. B., M.A.
Levy, K. L., M.A.
Marin, D., LL.B. Madrid, B.A. Lond., M.A.
Leo, U , Ph D Gött Sp. Lectr.
Ukas, M. W., M.A.
2 Instrs , 1 Teaching Fellow, 2 Assts.

Law
Wright, C. A., Q.C., B.A., LL.D. Br. Col. and West., S.J.D. Harv. Dean Sch. Law.
Finkelman, J., Q.C., M.A., LL.B. Prof.
Friedmann, W. G., LL D. Lond., Dr.Jur. Berl., LL.M. Melb. Prof.
Laskin, B., LL M. Harv., M.A., LL.B. Prof.
La Brie, F. E., B.A., LL.B. Alta., LL.M., D.Jur. Assoc. Prof.
Milner, J. B., LL.B. Dal., LL.M. Harv. Assoc. Prof.
Kilgour, D. G., LL.M. Harv., B.A. Asst. Prof.
Mackay, R. S., LL.M. Col. Asst. Prof.

Special Lecturers
Grossberg, B., Q.C.
McLean, W. E., Q.C., B.A., LL.B. Manit.
Rogers, W. P., B.A.
Nelligan, J. P., B.A.
13 Demrs., 4 Assocs.

Library Science, v. *infra*, Ontario Coll. of Education

Mathematics

Professors

Pounder, I. R., Ph.D. Chic., M.A. Chairman of Dept.
Webber, W. J., B.A. Camb.
Coxeter, H. S. M., B.A., Ph.D. Camb., F.R.S., F.R.S.C.
Sheppard, N. E., M.A., F.I.A.

Associate Professors

Robinson, D. A. F., Ph D. Chic., M.A.
Robinson, G. de B., M.B.E., Ph.D. Camb., B.A., F.R.S.C.
Griffith, B. A., M.A., Ph.D.
Jacobs, J. A., M.A., Ph.D. Lond., F.R.A.S.
Robinson, A., M.Sc. Jerusalem, Ph.D. Lond.
Fraser, D. A. S., A.M., Ph.D. Prin., M.A.

Assistant Professors

Krieger-Dunas, C. Cecilia, M.A., Ph.D.
Baillie, D. C., M.A.
Crosby, W. J. R., M.A., Ph.D.
Tutte, W. T., M.A., M.Sc., Ph.D. Camb.
Coleman, A. J., A.M. Prin., B.A., Ph.D.
Stanton, R. G., B.A. West., M.A., Ph.D.
Duff, G. F. D., Ph.D. Prin., M.A.

Lecturer

Steketee, J. A., Wi Delft Technical Univ.

Special Lecturers

De Lury, D. B., M.A., Ph.D.
Reid, D. B. W., M.A. McG., M.Sc. Virginia Polytech. Inst.
5 Teaching Fellows, 2 Assts., 1 Instr.

Medicine and Surgery, v. *infra*

Metallurgy, v. Engin.

Mineralogy, v. Geological Sciences

Music, v. *infra*, and Ontario Coll. of Education

Nursing, v. *infra*

Oriental Languages

Winnett, F. V., M.A., Ph.D. Hd. of Dept. and Prof. (C.).
McCullough, W. S., M.A., B.D., Ph.D. Prof. (C.).
Williams, Rev. R. J., Ph.D. Chic., M.A., B.D. Asst. Prof. (C.).
Wevers, J. W , B.A., B.D. Calvin, Th.D. Prin. Asst. Prof. (C.).
Kinnier-Wilson, J. V., M.A. Oxon. Lectr.
Staples, W. E., M.A., Ph.D. Hd. of Dept. and Prof. (V.).
MacPherson, Rev. J., M.A. McG., B.D. Montr. Asst. Prof. (V.).
Newby, Rev. M. T., M.A. Hd. of Dept. of Oriental Lang. and Hist., Prof.
De Catanzaro, Rev. C. J., B.A. K.C N.S., M.A. Dal., B.D. Trin. Asst. Prof. (T.).
Cosgrave, Rev. F. H., M.A. Dub., D.D. Vic., LL.D. Qu., McM., Tor., D.C.L. Bishop's Sp. Lectr.

Philosophy

Anderson, F. H., B.A. Dal., M.A., Ph.D., F.R.S.C. Hd. of Dept. and Prof.
Goudge, T. A., M.A. Dal., Ph.D. Prof.
McCurdy, W. J., B.A. Dal., A.M., Ph.D. Harv. Assoc. Prof.
Long, W. M. D., M.A., Ph.D.

Assistant Professors

Savan, D., A.M. Harv.
McRae, R. F., Ph.D. Johns H., M.A.
Dryer, D. P., A.M. Harv.
Fackenheim, E. L., Ph.D.

Lecturers

Doan, F. M., M.A. West.

Wernham, J. C. S., M.A. Camb. and Aberd., S.T.M. U.T.S.
Sparshott, F. E., M.A. Oxon.
Dray, W. H., B.A. Tor. and Oxon.
Irving, J. A., M.A. Tor. and Camb.
Chairman of Dept. and Prof. (V.).
Leslie, Rev. C. W., Ph.D. Harv., B.D., M.A. Prof. (V.).
Macpherson, Jessie, M.A., Ph.D. Assoc. Prof. (V.).
Edison, G., A.M. Col., Ph.D. Hd. of Dept. and Prof. (T.).
Owen, Rev. D. R. G., M.A. Oxon., B.A., Ph.D. Assoc. Prof. (T.).
Fairweather, Rev. E. R., Th.D. U.T.S., M.A., B.D. Assoc. Prof.
Morawetz, B., B.A. West., M.A Lectr. (T.).
Kelly, Rev. J. M., M.A., Ph.D. Hd. of Dept., Prof. (M.).
Gilson, E., D. ès L. Paris, LL.D. Aberd., Harv. and St. And., Ph.D. Montr., Rome and Milan, D.Litt. Oxon., Litt. D. Col. Prof. (M.).
Dore, Rev. J. W., Ph.D. Ott., B.Pæd., M.A. Prof. (M.).
Pegis, A. C., M.A. Marq., Ph.D., F.R.S.C. President Inst. Med. Stud. and Prof. (M.).
Phelan, Rev. G. B., M.A. St. F.X., S.J.B. C.U.A., Ph.D. Louvain, LL.D. Dub. and Tor., F.R.S.C. Prof.
Eschmann, Rev. I. T., Ph.D., S.T.D. Rome Prof. (M.).
Brezik, Rev. V. B., M.A., L.M.S., Ph.D. Assoc. Prof. (M.).
Lynch, L. E. M., M.A., L.M.S., Ph.D. Assoc. Prof. (M.).
MacDonald, Rev. R., M.A., Ph.D. Asst. Prof. (M.).

Lecturers (M.)

Marcia, Sister M., M.A., L.M.S., Ph.D.
Maurer, Rev. A. A. A., M.A., Ph.D.
Fehr, Rev. R. C., M.A.
Lang, T. J. F., M.A.
3 Assts.

Physics

Watson, W. H., M.A., Ph.D. Edin., and Camb., F.R.S.C. Prof. and Hd. of Dept.
Ireton, H. J. C., M.A., Ph.D. Prof.
Crawford, M. F., B.A. W. Ont., M.A., Ph.D., F.R.S.C. Prof.
Barnes, C., M.Sc. Leeds, Ph.D. Prof.
Wilson, J. T., O.B.E., B.A. Tor., M.A. Camb., Ph.D. Prin., F.R.S.C. (Geophys.) Prof.

Associate Professors

Ainslie, D. S., M.A., Ph.D.
Anderson, J. M., M.A., Ph.D.
McKay, R. W., M.A., Ph.D.
Welsh, H. L., M.A., Ph.D., F.R.S.C.
Atkins, K. R., M.A., Ph.D. Camb.

Assistant Professors

Allin, Elizabeth J., M.A., Ph.D.
Crossley, Kathleen M., B.A.
Quinlan, Florence M., M.A., Ph.D.
Richmond, R., M.A., Ph.D.
Gotlieb, C. C., M.A., Ph.D.
Scott, G. D., M.A., Ph.D.
Ivey, D. G., M.A. Br. Col., Ph.D. Notre Dame.
Hume, J. N. P., M.A., Ph.D.
Hallett, A. C. H., Ph.D. Camb., B.A.

Lecturers

O'Brien, P. N. S., M.Sc. Lond.
Buckthought, K., M.A., Ph.D.
Dagg, J. R., B.Sc. Manit., M.S. Penn.
Shapiro, J., M.A.

Special Lecturer

Thomson, A., O.B.E., M.A., F.R.S.C.

20 Demrs., 2 Instrs.

Political Economy

Professors

Bladen, V. W., M.A. Oxon, F.R.S.C. Chairman of Dept.
Ashley, C. A., B.Com. Birm., F.C.A.
Brady, A., B.A. Tor. and Oxon., M.A., Ph.D., F.R.S.C.
Dawson, R. MacG., M.A., LL.D. Dal., A.M. Harv., D.Sc. Lond., F.R.S.C.
Elliott, G. A., M.A. Manit., F.R.S.C.
Graham, T. C., M.B E, B A.Sc (Dir. Inst. Bus. Admin)
Logan, H. A., B.A. Acad., A.B. Yale, Ph.D. Chic, F.R.S C.
Clark, S. D., M.A. Sask. and McG., Ph.D.
MacGregor, D. C., B.A.

Associate Professors

Crocombe, F. R., M.A. Camb. (Acc.).
Currie, A. W., B.A., B.Com. Qu., D Com.Sci. Harv.
Easterbrook, W. T., B.A. Manit., M.A., Ph.D.
Hennessey, S. G., B Com.
Morgan, L. T., B.A. Br. Col., M.A., Ph.D. Calif.
Seeley, J. R., A.B. Chic
Macpherson, C. B., M Sc. (Econ.) Lond., B.A.
Toombs, F. C., Ph.B. Chic. (Business Admin.).
Helleiner, K. F. M., Ph.D. Vienna.

Assistant Professors

Beard, F. N., B.Com.
Hood, W. C., B.A. Mt. All., M.A, Ph.D.
Sim, R. A., M.A. Col.
Sawatsky, J. C., B.A. Manit., M.A., Ph.D. (Business Admin.).
Taylor, M. G., M.A., Ph.D. Calif.
Thomson, W. S., M.A. Camb., M.Com. (Business Admin.).

Lecturers

Fleming, R. H., B.Com.
Wallace, Mary E., B.A. Oxon. and Tor., Ph.D. Col. Sp. Lectr.
Burnet, Jean R., Ph.D. Chic., M.A.
Ryder, N. B., B.A. McM., A.M., Ph.D. Prin., M.A.
Zakuta, L., M A. McG.
Wolfe, J. N., M.A. McG.
Triantis, S., B.A., LL.B. Athens, M.A.
Stykolt, S., A.M. Harv., B.A. (Business Admin.).
Livingstone, K. C, M.A.Sc. (Business Admin.).
O'Connell, M. P., B.A. Qu, M.A.
Owen, C. F., M.A. Oxon.
Eastman, H. C, A.M., Ph D. Chic, B.A.
Goundrey, K G, B.A. Br. Col., M.A.
Harvey, J. W., B.A. Br Col (Business Admin).
Giffen, P. J., M A.

Special Lecturers (Business Admin.)

Bain, G. F., B.Com.
Gillespie, A W., B A. Oxon.
Hardy, E., B.A.
5 Instrs., 6 Assts.

Portuguese, v. Italian

Psychology

Professors

Bott, E. A., O.B.E., B.A. Hd. of Dept.
Blatz, W. E., Ph.D. Chic., M.A., M.B. Dir. Inst. Child Study.
Bernhardt, K. S., Ph.D. Chic., M.A.
Line, W., O.B.E., B.Sc. Mt. All., M.A., M.Ed. Alta., Ph.D. Lond.
Myers, C. R., M.A., Ph.D.
Williams, D. C., B.A. Manit. M.A., Ph.D.

Ketchum, J. D., M.A.

Associate Professors

Bovard, E. W., A.M. Col., Ph.D. Mich.

Shephard, A. H., M.A., Ph.D. Iowa.

Assistant Professor

Steer, H. O., M.A., Ph.D.

Lecturers

Joyner, R. C., M.A., Ph.D.

Fowler, H. M., B.A. McG., Ed.D. Harv. Sp. Lectr.

Millichamp, Dorothy A., M.A. Sp. Lectr.

Jackson, R. W. B., B.A. Alta., Ph.D. Lond.

Porter, Mrs. H., M.A.

Quarrington, B. A., M.A. Qu., B.A.

Gelfand, L., M.A.

Keschner, Miss D. A., M.A.

Stapleford, Miss E., M.A.

Special Lecturer

Ross, R. W., M.A.

1 Demr., 1 Teaching Fellow, 28 Assts., 3 Instrs.

Religious Knowledge, v. *infra*, Federated Colls.

Russian, v. Slavic Studies

Slavic Studies

Shore, B. E., B.A. McM., A.M. Harv. Chairman of Dept. and Assoc. Prof.

Strakhovsky, L. J., D.Hist.Sc. Louvain Assoc. Prof.

Luckyj, G., M.A. Birm., Ph.D. Asst. Prof.

Social Science, v. Pol. Econ. and School of Social Work

Spanish, v. Italian

Zoology

Professors

Dymond, J. R., O.B.E., D.Sc. Br. Col., M.A., F.R.S.C. (Syst. Zool.) Hd. of Dept.

Huntsman, A. G., B.A., M.D., F.R.S.C. (Marine Biol.).

Coventry, A. F., B.A. Oxon. (Vert Embryol.).

Baillie, W. H. T., M.A., M.D. (Mamm. Anat.).

Craigie, E. H., B.A., Ph.D., F.R.S.C. (Comp. Anat. and Neurol.)

Associate Professors

Walker, Mrs. Norma Ford, B.A., Ph.D. (Human Biol.).

Fisher, K. C., B.A. Acad., M.A., Ph.D., F.R.S.C.

Fry, F. E. J., M.B.E., M.A., Ph.D., F.R.S.C. (Limnology).

Ide, F. P., M.A., Ph.D.

Langford, R. R., B.Sc. Sask., Ph.D.

Assistant Professors

Atwood, C. E., B S A. McG., M.S.A., Ph.D. (Forest Entomol.).

Butler, L., M.S.A., Ph.D. (Genetics).

Engelbert, Miss Vibeke E., M.S.A., Ph.D. (Histol.).

Lecturers

Neal, G. M., M.A. Br. Col.

Sullivan, Charlotte M., M.Sc. Dal., Ph.D.

Lawrie, A. H., M.A.

12 Demrs , 7 Assts.

Applied Science and Engineering

McLaughlin, R. R., M A.Sc , M.S., Ph.D. Dean.

Wilson, W. S., B.A.Sc. Asst. Dean and Sec.

Aeronautical E.

Loudon, T. R., V.D., B.A.Sc., C.E. Hd. of Dept. and Prof.

Patterson, G. N , B.Sc. Alta , M.A., Ph.D. (Aerodynam.) Prof.
Etkin, B , M.A.Sc. Assoc. Prof.
Allan, D. G., S.M. M.I.T., B.A.Sc. Lectr.

Special Lecturers
Czerwinski, W., Dip. Eng. Pol. Lwów.
Hiscocks, R. D., B.A.Sc.
McIntyre, R. B., B.A. Camb., B.A.Sc.
3 Instrs., 8 Res. Assts.

Chemical E. and App Chemistry
McLaughlin, R. R., M.A.Sc., M.A., Ph.D. Hd. of Dept. and Prof.
Smith, E. A., M.A. McM. Prof.
Breckenridge, J. G., Ph.D. Camb., B.A.Sc. Prof.
Rapson, W. H., M.A.Sc., Ph.D. Prof.

Associate Professors
Corbett, P. M., B.S. Ill., M.S. Penn. State Coll.
Brockett, C. P., B.Sc. M.I.T.

Assistant Professors
MacElhinney, W. G., M.A.Sc.
Graydon, W. F., Ph.D. Minn., M.A.Sc.
Calderbank, P. H., B.Sc., Ph.D. Lond.
Johnson, A. I., M.Ch.E. Brooklyn, B.A.Sc., Ph.D.
May, Z. Sp. Lectr.
5 Instrs., 22 Demrs.

Civil E., Municipal and Struct.
Loudon, T. R., V.D., B.A.Sc., C.E. Hd. of Dept. and Prof.
Morrison, C. F., B.E. Sask., M.Sc McG. Prof.
Sagar, W. L., B.A.Sc., C.E. Prof.
Huggins, M. W., M.A.Sc. Assoc. Prof.

Assistant Professors
Helwig, C. E., M.A.Sc.
Davidson, A. C., B.Sc. Manit., M.A.Sc.
Walkinshaw, W. M., M.A.Sc.

Lecturers
Berry, A. E., M.A.Sc., C.E., Ph.D. Sp. Lectr.
Cleverdon, R. K., M.A.Sc.
Dillane, C. W., B.A.Sc.
Hershfield, C., B.Sc. Manit., M.A.Sc.
2 Instrs.

Civil E., Surveying and Geodesy
Marshall, O. J., B.A.Sc., C.E. Prof.
..... Prof.
Macklin, H. L , B.A.Sc. Asst. Prof.

Lecturer
Haynes, B J., B.A.Sc.

Electrical E.

Professors
Tracy, G. F., S.M. M.I.T., B.A.Sc. Hd. of Dept.
Smith, V. G., B.A.Sc.

Associate Professors
Reid, J. E., B.A.Sc.
Sinclair, G., Ph.D. Ohio State.
Lauchland, L. S., M.A.Sc.
Ham, J. M., S.M., Sc.D. M.I.T., B.A.Sc.
Kravetz, A. J., B.Sc. Alta., M.A.Sc. Asst. Prof.

Lecturers
Courtice, H. A., B.A.Sc.
Doeringer, C. E., M.B.E., B.A.Sc.
Walker, R. L., M.S. Yale.
3 Instrs., 11 Demrs., 4 Readers.

Engineering Business

Special Lecturers
Grant, R. R., Dip. App. Sc., F.C.A.
Miller, W. O. C., B.A.Sc.

Engineering Drawing
Wright, W. J. T., M B.E., B.A.Sc., B.A. (Eng. Drawing) Hd. of Dept., Prof
Dunbar, W. B., B.A.Sc. Prof.

Wardell, A., B.A.Sc. Prof.
Wrenshall, C. A., B.E. Sask. Asst. Prof.

Lecturers
Stinson, W. G., B.Sc. Qu.
Frizzle, H. R., B.Sc. N.S.T.C.
Walker, A. W., M.A.

Special Lecturer
Fisken, A. D., M.C.
13 Instrs.

Mechanical E.

Professors
Allcut, E. A., M.Sc. Birm., M.E. Hd. of Dept
McIntosh, W. G., B.A Sc.
Lord, G. R., S.M. M.I.T., B.A.Sc., Ph.D.
Wiren, R. C., B.A.Sc.

Associate Professors
Smith, I. W., M.A.Sc.
Jones, L. E., B.Sc., C.E. Manit., M.A.Sc., Ph.D.

Assistant Professors
Ewens, F. G., M.A.Sc.
Hughes, P. B., B.Sc. McG.
Wallace, W. A., B.A.Sc.
Huber, D. G., M.A.Sc.

Lecturers
Waines, R. T., B.A.Sc.
Hooper, F. C., B.A.Sc.
Vickers, J. M. F., B.Sc. Birm., M.A.Sc.
King, R. O., M.A.Sc. McG. Sp. Lectr.
3 Instrs., 19 Demrs.

Metallurgical E.

Pidgeon, L. M., B.A. Manit., B.Sc. Oxon., Ph.D. McG. Hd. of Dept. and Prof.
Ross, H. U., B.Eng., M.Sc. McG. Asst. Prof.
Winegard, W. C., M.A.Sc., Ph.D. Lectr.
1 Demr

Mining E.

Wolfe, S. E., M.A.Sc. Assoc. Prof.
Hewer, W. A. M , B.A.Sc. Asst. Prof.
6 Demrs

Physics, Applied

Jackson, K. B., B.A.Sc. Hd. of Dept. and Prof.
Henderson, V. L., A.M. Mich., B.A.Sc. Assoc. Prof.

Lecturers
Friend, F. B., B.A. McM., M.A. Roch.
Bird, J. R., B.A.Sc., M.A.
Macpherson, P. A., M.A.Sc.
8 Instrs.

Architecture

Madill, H. H., O.B.E., V.D., B.A.Sc. Dir. of School and Prof.
Arthur, E. R., M.A., B.Arch. Liv., F.R.I.B.A., F.R.S.A. Prof.
Raymore, W. G., B.Arch. Assoc. Prof.
Carswell, W. E., B.Arch. Assoc Prof

Assistant Professors
Barker, R. J. K., B.Arch.
Murray, J. A., B.Arch.
Adamson, A. P. C., M.A. Camb.
Kent, S. R., B.Arch.
Robb, G. A., B.Arch.
McBain, W. J., B.Arch.

Lecturers
Fliess, H., B.Arch.
Hall, J. A.
Bach, M., Dip. Eng. Arch. Berl., Arch. Sweden.
Elken, A., Dip. Eng. Arch. Munich and Helsinki.
Bagnall, W. A., B.A. Mich., M.S. Ill.
3 Instrs.

Dentistry

Ellis, R. G., D.D.S., M.Sc. (Dent.), F.D.S. R.C.S. Dean.

Crown and Bridge Prosthesis

..... Prof.

Dental Anatomy

Ham, A. W., M.B., F.R S.C. Prof.
Paynter, K. J., D.D.S. Assoc. Prof.

Dental Bibliography

Johnson, J. H., D.D.S. Librarian.

Dental Material and Technology

Fletcher, J. R., D.D.S. Asst. Prof.

Dental Pathology and Bacteriology

Cameron, G. C., M.D., F R.C.P. Can. Prof.

Dental Praxis

Secord, W. E., A.B. Chic. Lectr.

Dental Public Health

Mitton, G. T., D.D.S., D.D.P.H. Hd. of Dept., Assoc. Prof.

Dental Research

Macdonald, J. B., M.S. Ill., D.D.S. Asst. Prof. and Chairman.

Dental Surgery and Anæsthesia

Johnson, J. H., D.D.S. Prof.
Gray, Jessie C., M.D., M.S., F.R.C.S.Can. Assoc. Prof.

Dentistry

Ross, W. J., D.D.S. Prof. and Dir. of Clinics.
Woollatt, R. S., D.D.S. Prof.
Hunter, H. A., D.D.S. Assoc. Prof.
Antoni, A. A., D.D.S. Assoc. Prof.
Diprose, R. E., D.D.S. Assoc. Prof.
Tanner, D. M., M.B.E., D.D.S., B.Sc. (Dent.) Asst. Prof.
Yule, O. J., B.D.S. N.Z., D.D.S. Asst. Prof.
Martin, F., D.D.S., F.I.C.D. Asst. Prof.

Special Lecturers

Ash, C. L., B.Sc. Alta., M.D., D.Rad.
Botterell, E. H., O.B.E., M.D. Manit., M.S., F.R.C.S.Can.
Gordon, S. D., M.B., M.S., F.R.C.S.Can., F.A.C.S.
Linghorne, W. J., D.D.S.
Moses, C. H., D.D.S., M.Sc. (Dent.).
Mustard, R. A., B.A., M.D., F.R.C.S.Can.
Ireland, P. E., M.D.
Pepper, J. B., D.D.S.

Medicine

Graham, J. W., M.D., D.D.S., F.R.C.P.Can. Assoc. Prof.

Operative Dentistry

Ellis, R. G., B.D.S. Adel., D.D.S., M.Sc. (Dent.), F.D.S.R.C.S. Prof.
Anderson, P. G., D.D.S. Prof.
Sheldon, J. M., D.D.S. Assoc. Prof.
Hare, G. C., D.D.S. Asst. Prof.
Purves, J. D., D.D.S. Asst. Prof.

Orthodontics

Jenkins, D. H., B.D.Sc., Q'ld., D.D.S., Dip. Orth. Prof.
Halderson, H., D.D.S. Assoc. Prof.
Fisk, G. V., D.D.S. Assoc. Prof.
Culbert, M. R., D.D.S. Asst. Prof.

Pedodontics

Nikiforuk, G., M.Sc. Ill., D.D.S. Assoc. Prof.
MacGregor, S. A., D.D.S., F.I.C.D. Asst. Prof.

Periodontology

Box, H. K., D.D.S., Ph.D., F.D.S. Research Prof.
Williams, C. H. M., D.D.S , B.Sc. (Dent.) Assoc. Prof. (Pt.-time).
McIntosh, W. G., D.D.S. Asst. Prof.

Preventive Dentistry

Professors

Cox, M. A., M.B.
Kreutzer, J., D.D.S., B.Sc. (Dent.).

Prosthodontia

Godfrey, R. J., D.D.S., M.Sc. (Dent.) Hd. of Dept., Prof.
Cole, F. L., D.D.S. Assoc. Prof.
Downton, E. P., D.D.S. Assoc. Prof.

Radiography

Moser, J. E., D.D.S. Assoc. Prof.
Rockman, M. N., D.D.S., B.Sc. (Dent.) Asst. Prof.
Worth, H. M., L.D.S , F.R.C.P. Can., F.F.R. Lectr.
41 Assocs., 2 Sp. Lectrs., 19 Demrs.

Medicine

MacFarlane, J. A., O.B.E., B.A., LL.D. Sask., M.B., Hon. M.D. Laval, F.R.C.S. Eng., Ed. and Can. Dean.

Anæsthesia

Campbell, S. M., M.B. Head of Dept. and Assoc. Prof.

Anatomy, v. also Biol.

Professors

Grant, J. C. B., M.C., M.B., Ch.B., F.R.C.S.Ed. Hd. of Dept.
Watt, J. C., M.A., M.D.
Ham, A. W., M.B., F.R.S.C.
Smith, C. G., B.A., M.Sc. W. Ont., M.D., Ph.D
Bensley, Mrs. Silvia H., B.A. Mt. Holyoke, M.D. Chic. Assoc. Prof.
Duckworth, J. W. A., Ch.B., M.D. Edin. Assoc. Prof.
Basmajian, J. V., M.D. Asst. Prof.

Lecturers

McMurrich, Kathleen I.
Lewis, G. F., M.A.
13 Demrs., 1 Sr. Demr.

Art as Applied to Medicine

Wishart, Maria T. Dir. and Asst. Prof.
1 Fellow, 2 Instrs.

Bacteriology, v. Pathology

Biochemistry

Wynne, A. M., M.A. Qu., Ph.D., F.R.S.C. Hd. of Dept. and Prof.
Butler, G. C., B.A., Ph.D. Prof.
Hanes, C. S., Ph.D., Sc.D. Camb., B.A., F.R.S. Prof.
Crocker, B. F., M.A., Ph.D. Assoc. Prof.
Fisher, Mrs. Jeanne M., M.A., Ph.D. Asst. Prof.
6 Fellows.

Gynæcology, v. Obstetrics

Humanities in Medicine

Grube, G. M. A., M.A. Camb., F.R.S.C. Prof.
Wasteneys, H., Ph.D. Col., F.R.S.C. Prof.

Hygiene and Preventive Med., v. also *infra*, Sch. of Hygiene

Fraser, D. T., M.C., B.A., M.B., D.P.H., F.R.S.C. Hd. of Dept. and Prof.
Brown, M. H., O.B.E., M.D., B.Sc. (Med.), D.P.H. Prof.
Fraser, Frieda H., B.A., M.B. Prof.
Wishart, F. O., M.A., M.D., D.P.H. Prof.
Wilson, R. J., M.A. Br. Col., M.D., D.P.H. Asst. Prof.

Lecturers

Clarkson, Elizabeth M. R., M.A. Glas.

Goulding, A. M., M.D. Harv., B.A., D.P.H.

2 Fellows.

Medical Jurisprudence

Lecturers

Gray, K. G., Q.C., M.D., B Sc. (Med.).

Ward-Smith, H., B.A., M.Sc. W. Ont., Ph.D.

Lucas, G. H., M.A., Ph.D.

Rogers, L. J., B.A.Sc., M.A.

Medical Research (Banting-Best Med. Res. Dept)

Professors

Best, C. H., C.B.E., D.Sc. Lond., Oxon., Paris and Chic., Sc D. Camb., M.D. Amst., Louvain, Liège and Tor., LL.D. Dal. and Qu., M.A., F.R.S., F.R.S.C., F.R.C.P. Can. Dir.

Franks, W. R., O.B.E., M.A., M.B.

Lucas, C. C., M.A.Sc. Br. Col., Ph.D.

Hartroft, W. S, M.D., B.Sc. (Med.) Alta., Ph.D.

Baer, E. E. F. T., Ph.D. Berl. (Synthetic Chem.).

Chute, A. L., O.B.E., Ph.D. Lond., M.A., M.D., F.R.C.P.Can.

Associate Professors

Sellers, E. A., M.D. Manit., Ph.D.

Wrenshall, G. A., M.Sc. Sask., Ph.D. Yale and Tor., M.A.

Lecturer

Ridout, Jessie H., M.A., Ph.D.

8 Res. Associates, 15 Res. Assts., 1 Fellow.

Medicine

Farquharson, R. F., M.B.E., M.B., D.Sc. Br. Col., F.R.C.P. Lond. and Can.
Hd. of Dept. and Prof.

Associate Professors

Wightman, K. J. R., M.D., F.R.C.P.Can., F.A.C.P.

Brooks, E. F. J., M.D., F.R.C.P. Can.

Owen, T., M.B., F.R.C.P. Lond. and Can.

Brown, W. H., B.A. Sask., M.A., D.M. Oxon., F.R.C.P. Lond. and Can., F.A.C.P.

Hyland, H. H., M.D., F.R.C.P. Lond. and Can.

Dixon, H. A., M.D., F.R.C.P.Can.

Maltby, E. J., M.B., M.A., F.R.C.P. Can.

Rykert, H. E., M.D., F.R.C.P. Can., F.A.C.P.

Dickson, R. C., O.B.E., M.D., F.R C.P Can., F.A.C.P.

Assistant Professors

Graham, J. W., M.D., D.D.S., F.R.C.P.Can.

Macdonald, R. I., M D., C.M. Dal., B.A., M.D., F.R.C.P.Can.

Richardson, J. C, M.B.E., M.D., B.Sc. (Med), F.R.C.P.Can.

Wrong, N. M., M.D.

Kerwin, A. J., M.D. Lond., F.R.C.P.Can.

Lecturers

Anglin, A. F. W., B.A. Montr., M.D.

Rigsley, H. E., M.B., F.R.C.P. Can.

Squires, A. H., M.D., F.R.C.P. Can.

Walters, J. A., B.A., M.D., F.R.C.P. Can., F.A.C.P.

17 Associates, 28 Clinical Teachers, 12 Fellows, 4 Demrs.

Obstetrics and Gynæcology

Cannell, D. E., M.B., B.Sc. (Med.), F.R.C.S.Can.
Hd. of Dept. and Prof.

Associate Professors

Armstrong, L. T., M.B.

Cosbie, W. G., M.C., M.B., F.R.C.O.G., F.R.C.S.Can.

Low, D. M., M.B., F.R.C.S.Can., F.R.C.O.G.
Noonan, W. T., M.B., D.G.O. Dub., F.R.C.P.I.

Assistant Professors

Dafoe, W. A., M.D., F.R.C.O.G., F.R.C.S.Can.
Henderson, D. N., M.B., F.R.C.S. Can.
Johnston, H. W., M.D., F.R.C.S. Ed. and Can.
Purdy, A. D. T., M.B.
Murby, W. H., M.D.
10 Associates, 9 Clinical Teachers.

Occupational and Physical Therapy

Jousse, A T., B.A. McM., M.D.
1 Fellow, 6 Instrs., 1 Demr.

Ophthalmology

Elliot, A. J., B.A. Br. Col., Med. Sc.D. Col., M.D., D.O.M.S. Lond.
Hd. of Dept. and Prof.

Assistant Professors

MacRae, H. M., M.D.
Morgan, A. L., M.D.
4 Associates, 6 Clinical Teachers, 4 Fellows.

Oto-Laryngology

Ireland, P. E., M.D., F.R.C.S.Can.
Hd. of Dept. and Prof.

Assistant Professor

McCart, H. W. D., M.B.
3 Associates, 10 Clinical Teachers, 4 Fellows.

Pædiatrics

Chute, A. L., O.B.E., Ph.D. Lond., M.A., M.D., F.R.C.P.Can.
Hd. of Dept. and Prof.
Boyd, Gladys L., M.D., B.Sc. (Med.), F.R.C.P.Can.
Assoc. Prof.

Assistant Professors

Ebbs, J. H., M.D. Tor. and Birm., F.R.C.P.Can.
Silverthorne, L. N., M.B.
Snelling, C. E., M.B.
Rhodes, A. J., M.D., F.R.C.P.
12 Clin. Teachers, 1 Res. Assoc.

Pathological Chemistry

Dauphinee, J. A., O.B.E., M.A. Br. Col., M.D., Ph.D., F.R.C.P. Can. Hd. of Dept. and Prof.
Nicholson, T. F., M.B., B.Sc. (Med.), Ph.D. Assoc. Prof.
Gornall, A. G., B.A. Mt. All., Ph.D. Assoc. Prof.
Paul, W., B.A. Ph.D. Asst. Prof.
3 Demrs., 6 Fellows, 1 Assoc.

Pathology and Bacteriology

Hamilton, J. D., M.D.
Hd. of Dept. of Pathol. and Prof.
Greey, P. H., M.D., B.Sc. (Med.) (Bacteriol.)
Hd. of Dept. of Bacteriol. and Prof.
Linell, E. A., M.D. Manc. (Neuropathol.) Prof.
Barrie, H. J., B.M., B.Ch. Oxon. Prof.
Tom, Mary I., B.A., M.D. (Neuropathol.) Asst. Prof.
McLean, C. R., M.Sc. McG., M.D., C.M. Qu. Asst. Prof.
Donohue, W. L., M.A., M.D. Asst. Prof.
Ross, R. C., B.A., M.D., M.Sc. McG. Asst. Prof.

Lecturers

Brown, T. C., M.D.
Ritchie, R. C., M.D.
Blaisdell, J. L., M.D., B.Sc. Med.
3 Associates, 5 Demrs., 4 Fellows, 1 Sr. Fellow.

Pharmacology

Ferguson, J. K. W., M.B.E., M.A., M.D., F.R.S.C.
Hd. of Dept. and Prof.
Lucas, G. H. W., M.A., Ph.D. Prof.

Smith, H. W., B.A., M.Sc. West., Ph.D. Asst. Prof.
Kalow, W., M.D. Koenigsberg Asst. Prof.
5 Fellows, 4 Assts.

Physiology

Professors

Best, C. H., C.B.E., D.Sc. Lond., Oxon., Paris and Chic., Sc.D. Camb., M.D. Amst., Louvain, Liège and Tor., LL.D. Dal. and Qu., M.A., F.R.S., F.R.S.C., F.R.C.P.Can. Hd. of Dept.
Solandt, D. Y., Ph.D. Lond., M.A., M.D., D.P.H., F.R.S.C.
Haist, R. E., M.A., M.D., Ph.D.
Sellers, E. A., M.D. Manit., Ph.D.

Associate Professors

Markowitz, J., M.B.E., M.S. in Exp. Surg. Minn., M.B., Ph.D. Pt.-time Assoc. Prof.
Campbell, J., M.A., Ph.D.

Assistant Professors

Clarke, D. W., M.Sc. Alta., Ph.D. Cal. Tech.
Monkhouse, F. C., B.A. Sask., Ph.D. Asst. Prof.

Lecturers

Ashworth, M. A., M.D., B.Sc. (Med.).
Feasby, W. R., B.A., M.D.
Scott, J. W., M.A., M.D.
Rappaport, A. M., M.D. Prague, Ph.D.
1 Research Associate, 11 Research Assts., 5 Fellows.

Psychiatry

Stokes, A. B., C.B.E., M.A., B.M., B.Ch. Oxon., D.C.H., D.P.M., F.R.C.P.Can. Hd. of Dept. and Prof.
Dewan, J. G., B.A., M.D. W. Ont., Ph.D. Camb., M.A., D.Psych., D.P.M. Lond. Assoc. Prof.
Gray, K. G., Q.C., M.D., B.Sc. (Med.) Assoc. Prof.

Assistant Professors

Jackson, Mary V., M.D.
Doust, J. W. L., B.Sc., M.B., B.S.
12 Clinical Teachers, 8 Fellows, 2 Assocs.

Radiology

Singleton, A. C., M.B.E., M.D., F.F.R., F.R.C.P.Can. Hd. of Dept., Prof.
Ash, C. L., B.Sc. Alta., M.D., D.Rad. Prof.

Assistant Professors

Hall, M M. R., M.D.
Burke, D. T., M.D., C.M. Qu., D.M.R. Lond.
Munn, J. D., M.D. W. Ont., D.Rad.
Shannon, E. H., M.D., F.F.R., D.Rad.
4 Associates, 4 Clinical Teachers.

Surgery

Janes, R. M., M.B., F.R.C.S.Can., F.A.C.S. Hd. of Dept. and Prof.

Associate Professors

Laird, R. C., B.A. Qu., M.D., M.S., F.R.C.S. Can. and Eng.
Lewis, F. I., M.B., F.R.C.S. Ed. and Can.
Welsh, W. K., O.B.E., M.B., F.R.C.S. Eng. and Can.
Murray, D. W. G., M.B., F.R.C.S. Eng. and Can.
McDonald, J. L., M.B., F.R.C.S. Can.
Kergin, F. G., M.A. Oxon., M.D., M.S., F.R.C.S.
Mitchell, D. R., B.A., M.D., M.S., F.R.C.S. Eng. and Can.
Wansbrough, R. M., M.B.
Botterell, E. H., O.B.E., M.D. Manit., M.S., F.R.C.S.Can.

Assistant Professors

Couch, J. H., M.A., M.D., F.R.C.S. Ed. and Can.
Aberhart, C., M.D., M.S.

Farmer, A. W., M.D.
Harris, C. W., B.A., M.B., F.R.C.S. Eng. and Can.
Gordon, S. D., M.B., M.S., F.R.C.S.Can., F.A.C.S.
Dewar, F. P., M.D.
Bigelow, W. G., B.A , M.D., M.S., F.R.C S. Can.
Mills, J. R. F., M.D., M S., F.R.C.S. Ed. and Can.
13 Associates, 18 Clin. Teachers, 13 Fellows, 6 Resident Fellows, 4 Clin. Assts.

Therapeutics

Wightman, K. J. R., M.D., F.R.C.P.Can., F.A.C.P. Hd. of Dept. and Assoc Prof.
3 Assocs., 17 Clinical Teachers, 10 Assts.

School of Hygiene

Defries, R. D., C.B.E., M.D., D.P.H. (Hyg. and Public Health Admin.) Dir and Prof.
Brown, M. H., O.B E., M.D., B.Sc. (Med.), D.P.H. Dir. of Field Training.
Fraser, D. T., M.C., B.A., M.B., D.P.H., F.R.S.C. Assoc. Dir.
van Rooyen, C. E., M.D., Ch.B., D.Sc. Edin. (Virus Infections) Prof.
Parker, R. C., B.A. Acad., Ph.D. Yale (Exper. Cytol.) Prof.
Rhodes, A. J., M.D., F.R.C.P. Ed. (Virus Infections) Prof.
Moloney, P. J., O.B.E., M.A., Ph.D., F.R.S.C. (Chem in relation to Hyg.) Prof.
McKinnon, N. E., M.B. (Epidemiol. and Biometrics) Hd. of Dept. and Prof.
Fisher, A. M., M.A., Ph.D. Assoc. Prof.
MacLeod, D. R. E., B.A., M.D., B.Sc. (Med.), D.P.H. (Epidemiol. and Biometrics) Asst. Prof.
Reid, D. B. W., M.A. McG., M.Sc. Virginia Polytech. Inst. Asst. Prof.
MacLean, D. L., O.B.E., M.B., B.Sc. (Med.), D.P H. (Public Health) Sec. of School and Prof.
McHenry, E. W., M.A , Ph.D., F.R.S.C (Public Health Nutrition) Prof.
Solandt, D. Y., Ph.D. Lond., M.A., M.D., D.P.H., F.R.S C. (Physiol. Hyg.) Hd. of Dept. and Prof.
Agnew, G. H., M.D., F.A.C.P. (Hosp. Admin.) Prof.
Berry, A. E., M.A.Sc., C E., Ph.D. (Public Health Engin.) Assoc. Prof.
Stuart, Eugenie M., B.S.H.A., M.H.A. Northwestern (Hosp Admin.) Asst. Prof.
Hatcher, G. H., B.A., M.D. McG., D.P.H. (Public Health Admin.) Asst. Prof.
Cunningham, J. G., B.A., M.B., D.P.H. (Indust. Hyg.) Assoc. Prof.
Fallis, A. M., B.A., Ph.D. (Parasitol.) Prof.
Mosley, W., M.D., C.M. McG., D.P.H. (Public Health Admin.) Assoc. Prof.

Assistant Professors

Goodwin, J. E., B.A.Sc., Ph.D. (Physiol. Hyg.).
Taylor, Edith M., O.B.E., M.A., Ph.D.
MacIntyre, D. M., B.A. Sask., Dip. P.A. West., Dip. H.A. (Hosp. Admin.).
Beaton, J. R., M.A., Ph.D. (Pub. Health Nutrition).
Freeman, R. S., B.S., M.A., Ph.D. Minn. (Parasitol.).

Swanson, A. L., B.A. Br. Col., M.D., C.M. McG., M.H.A. Northwestern (Hosp. Admin.).

Special Lecturers

Brink, G. C., M.B.
Brown, W. G., M.D., D.P.H.
Currey, D. V., M.D., D.P.H.
Jackson, F. W., M.D. Manit., D.P.H.
Edge, G. A., D.V.M., D.V.P.H.
Puffer, D. S., B.A., M.B., D.P.H.
Sellers, A. H., B.A., M.D., D.P.H.
Struthers, R. G., M.D., D.P.H.
Moss, G. W. O., M.D., D.P.H.
Taylor, M. G., M.A., Ph.D. Calif.
Elkerton, L. E., M.D., D.P.H.
9 Associates, 4 Fellows, 1 Demr., 8 Research Fellows, 8 Assts.

Connaught Medical Research Laboratories

Defries, R. D., C.B.E., M.D., D.P.H. Dir.
Fraser, D. T., M.C., B.A., M.B., D.P.H., F.R.S.C. Assoc. Dir.
MacLean, D. L., O.B.E., M.B., B.Sc. (Med.), D.P.H. Assoc. Dir.
Moloney, P. J., O.B.E., M.A., Ph D., F.R.S.C. Asst. Dir.
Orr, M. D., O B.E., B.A. Asst. Dir.
Brown, M. H., O.B.E., M.D., B.Sc. (Med.), D.P.H. Asst. Dir.
Allen, K. E., B.A. Comptroller.
Boyd, I. W., M.Sc. Qu. Supt.
5 Research Members, 20 Research Assocs., 2 Research and Clinical Assocs., 9 Sr. Research Assts., 18 Research Assts., 1 Clinical Assoc., 1 Vet., 1 Assoc. Vet.

Music

Walter, A., Jur. Utr. Dr. Prague Dir. of Fac. of Music.
Neel, B., C.B.E., B.A. Dean.
Rosevear, R. A., A.B. Corn., M.Mus. Roch. (School Music) Assoc. Prof.

Assistant Professors

Johnston, A. R., B.Mus. Northwestern, M.Mus., Ph.D. Roch. (School Music).
Weinzweig, J. J., M.Mus. Roch.

Lecturers

Ridout, G.
Kenins, T.
Morawetz, O , Mus.Doc.

Special Lecturers

Beckwith, J , Mus.Bac.
Peaker, C , Mus.Doc , F.R.C.O.
Sinclair, L., M.A.

Nursing

Fidler, Nettie D., B.A. Dir. of Sch. and Prof.
Emory, Florence H. M. Assoc. Dir. of Sch. and Prof.

Assistant Professors

Millman, Mary B., B.A.
Wilson, M. Jean, B.A. Sask., B.Pæd.
Howard, Ella M., B.S. in N. West. Reserve.
Bennett, Hilda A., M.A. Chic., B.A.
Carpenter, Helen M., B.S. Col., M.P.H. Johns H.
McPhedran, Margaret G., B.A., M A. Col.

Lecturers

Allemang, Margaret M., B.Sc.N., B.A.
Tresidder, Marion I., B.Sc.N.
Greenslade, Myra J., B.Sc.N.
Watson, Jeannette E., B.Sc.N. W. Ont.
McLachlan, Margaret M., B.Sc.N.
Sauve, Elyaine, B.Sc.N.

Pharmacy

Hughes, F. N., B.Sc., LL.D. Purdue, Phm.B., M.A.
Dean of Fac., Prof

Associate Professors

Walker, G. C., B.Sc. Alta., M.S., Ph.D. Purdue.
Fuller, H. J., B.A. West., M.A. Yale, Phm.B.

Assistant Professors

Baxter, R. M, B.S.P., M.Sc Sask., M.S., Ph.D. Florida, Phm.B.
Elowe, L. N., Ph.C. Baghdad, M.S., Ph.D. Wis.

Lecturer

Barton, D., Phm.B., B.Sc. Phm.

Special Lecturer

Stauffer, Mrs. I. E., B.Sc. Alta., M.Sc. West. Res.
5 Instrs., 4 Demrs.

Physical and Health Education

Ebbs, J. H., M.D., F.R.C.P. Can.
Dir. of School and Prof.
Stevens, W. A., B.S. Syr.
Assoc. Prof. and Dir. of Athletics and Phys. Educn. (Men).
Griffiths, M. G., M.P.E. Springfield, M.A. Col.
Assoc. Prof. and Asst. Dir.
Slack, Zerada, B.A. McG.
Asst. Prof. and Dir. Phys. Educn. (Women).
Forster, Jean M., B.A.
Asst. Prof. and Asst. Dir. Athletics and Phys. Educn. (Women).
Jackson, Dorothy N. R., M.A. N.Y.
Asst. Prof. and Asst. Dir. Athletics and Phys. Educn. (Women).
McCutcheon, J. E.
Asst. Prof. and Asst. Dir.
Basmajian, J. V., M.D.
Asst. Prof.

Lecturers

Oswald, Kathleen, M.S.
Simpson, Nancy E., M.A. Col., B.P.H.E.
8 Assts., 7 Associates, 10 Instrs.

Social Work

Hendry, C. E., B.A. McM., M.A. Col., M.H. Springfield
Dir. and Prof.
Jaffary, S. K., B.Sc., M.A. Alta., Ph.D. Chic. Prof.
Morgan, J. S., M.A. Oxon. Prof.

Associate Professors

Klein, A. F., B.S.S. Brooklyn Coll., M.S. N.Y. Sch. of S.W., LL.B. Brooklyn Law Sch.
Choate, Reba E., M.A. Chic.
Rose, A., M.A., Ph.D. Ill, B.A.
Ross, M. G., B.A. Acad., Ed.D. Col., M.A.

Assistant Professors

Boynton, Opal, B.A. Col.
Chaisson, Mrs. Josephine D., B.A. St. F.X., M.A. Dal. and Chic.
Rhinewine, Miss S., M.S.W. Penn., B.A.
Teicher, M. I., B.S.S. N.Y., M.S.W. Penn.
Godfrey, Ray, M.A. Chic., B.A.

Lecturers

De Marsh, Helen R., B.A. McM., M.S.W.
Donnison, D. V., B.A. Oxon.
Shiell, Marion, B.A., M S.W.

Special Lecturers

Stewart, Judge V. L., B.A. Sask., M.A.
Burns, Margaret M., B.A., M.Sc.
Gray, C. C., M.D.
Griffin, J. D. M., M.A., M.D., D.P.M.
Hatcher, G. H., B.A., M.D., D.P.H.
Hood, A. M., M.D.
Quarrington, B., M.A., Ph.D.

Rosen, E. J., B.Sc., M.D., C.M., D.Psych
14 Field Supervisors, 1 Research Assoc., 1 Research Asst.

Ontario College of Education

Lewis, A. C., M.A., D.Pæd. Dean.
Phillips, C. E., B.A., D.Pæd. (Educn.) Prof.

Educational Methods

Professors

Diltz, B. C., M.A. Qu. (Engl. and Hist.)
St. John, Helen B., M.A. (Mod. Langs.)
Supervisor of Women Students.
Dean, Charlotte R., M.A. Col., B.A. (Home Econ.).
Croal, A. G., M.A. Qu., D.Pæd. (Sc.).
Petrie, P. A., B.A., B.Pæd. (Maths.).

Associate Professors

Ratz, Ruth E., B.A. (Home Econ.).
Parmenter, M. D., M.A. (Guidance)
Dir. of Vocat. Guidance Centre.
Passmore, J. H., B.A. McM., B.P.H.E. (Phys. and Health Educn.).
McGuire, H. A., B.A. Qu., B.Pæd. (Educn.)
Supervisor of Practice Teaching.
Bryans, Helen L., M.A. Col., B.A. (Phys. and Health Educn.).
Phillips, R. D., B.Sc. New Br. (Vocational Subjs.)
Dir. of Vocat. Training and Indus. Arts and Crafts.
Haig, A. P., B.A. (Music).
Tait, G. E., B.A. W. Ont., B.Pæd. (Elem. Educn.).

Assistant Professors

Taylor, B. C., M.A. (Classics).
Tacon, P. H., B.Pæd., M.A. (Art).
Seggie, A. P., B.A.
Spry, J. C., B.S.A.

Lecturers

Dickin, Helen E., B.H.Sc., B.Pæd.
McLachlan, A. T.
Apperley, G. S.
Rideout, E. B., B.A. Mt. All.
Luther, G. T. H.
1 Asst., 1 Instr.

Educational Research

Long, J. A., B.A. McM., Ph.D. Col. Dir. and Prof.
Jackson, R. W. B., B.A. Alta., Ph.D. Lond.
Asst. Dir. and Prof.
Fowler, H. M., B.A. McG., Ed.D. Harv. Assoc. Prof.
Pitt, C. C., B.A. Qu., M.A. Col., B.Pæd. Assoc. Prof.
Hobday, Kathleen M., M.A. Lectr

Library Science

Bassam, Bertha, B.A. Qu., B.L.S. Pratt, M.S. Col.
Prof. and Dir. of Library Sch.
Silverthorn, Mary E., B.A. Alta., B.S. in L.S., M.A. Ill.
Assoc. Prof.
Murray, Florence B., A.M.L.S. Mich., B.A. Asst. Prof.
Ball, Katharine L., M.A. Oxon., B.A., B.L.S. Asst. Prof.

Lecturer

Cockshutt, Margaret E., B.A., B.L.S.
6 Instrs.

University Extension

Gilley, J. R., B.A.Sc. Dir.

Correspondence Courses

Kemp, D.M., B.A. Bishop's.
Supervisor.

Courses in Radiography

Milner, Dorothy de F.

Evening Classes

Bryce, W. A., B.A. Assoc. Dir.
Kirk, W. R. J., M.A. Asst. Dir.
Honeyford, B.N., B.A., Ph.D. Asst. Dir.

ADMINISTRATIVE AND OTHER STAFF

Vice-President: C. T. Bissell, M.A., Ph.D. Dir. of Athletics and Phys. Educn. (Men): W. A. Stevens, B.S. Dir. of Phys. Educn. (Women): Zerada Slack, B A. Dir. of Univ. Press: M. Jeanneret, B.A. Gen. Sec.-Treasurer of Students' Admin. Council: E. A. Macdonald, B.A. Assoc. Sec. of Students' Admin. Council: A. E. Marie Parkes, B.A. Dir. of Hart House Theatre: R. S. Gill, M.A. Dir. of Placement Service: J. K. Bradford, O.B.E., M.A.Sc.

COLLEGES OF THE UNIVERSITY

UNIVERSITY COLLEGE. Principal—F. C. A. Jeanneret, B.A., D. ès L. Laval, O.A. Registrar—W. J. McAndrew, M.A. *Telephone* (Registrar): WA. 3.6611.

VICTORIA COLLEGE, in the Faculty of Arts of the Univ., *see* p. 954.

TRINITY COLLEGE, in the Faculty of Arts of the Univ., *see* p. 951.

ST. MICHAEL'S COLLEGE, in the Faculty of Arts of the Univ., *see below*.

FEDERATED UNIVERSITIES

UNIVERSITY OF TRINITY COLLEGE, *see* p. 951.

VICTORIA UNIVERSITY, *see* p. 954.

FEDERATED COLLEGES

ST. MICHAEL'S COLLEGE. Superior—Very Rev. L. K. Shook, M.A., Ph.D. Registrar—Rev. C. J. Lavery, M.A., Ph.D. Other Teachers: the Profs., etc., marked (M.) in the list of teaching staff, *above*.

KNOX COLLEGE, WYCLIFFE COLLEGE and EMMANUEL COLLEGE. Teachers giving instruction in Univ. courses (*Religious Knowledge*): (1) Knox—Rev. J. S. Glen, M.A., Ph.D., B.D., Th.D., Principal; Rev. D. K. Andrews, M.A., Ph.D., Prof. (2) Wycliffe—Rev. R. Armitage, M.A., D.D., Principal; Rev. T. A. M. Barnett, M.A., Prof. (3) Emmanuel—For Staff, *see under* Victoria Univ., p. 954.

AFFILIATED COLLEGES

ONTARIO AGRICULTURAL COLLEGE, Guelph, Ontario, Canada. Establd. 1874. (*Telephone*: Guelph 4-300.) Affiliated with the Univ. of Toronto. *Degrees offered*—Bachelor of Science in Agriculture (B.S.A.)—4 yrs.; Bachelor of Household Science (B.H.Sc.)—4 yrs.

OFFICERS OF ADMINISTRATION. President—J. D. MacLachlan, B.A., A.M., Ph.D. President Emeritus—W. R. Reek, M.B.E., B.S.A., LL.D. Principal, Macdonald Institute (Home Econ.)—Margaret S. McCready, B.A., Ph.D. Dir. Dipl. Course—N. H. High, B.S.A., M.S., Ph.D. Registrar—A. M. Porter, B.S.A. Bursar—L. Z. O'Neil. Dir. of Public Relations—J. A. Eccles, B.S.A. Dean of Men and Student Counsellor—H. W. Pettipiere, B.S.A. Dean of Women—Mrs. Annie E. Barber. Dir. of Publicity—G. L. Warlow, B.S.A., M.A. Chaplain—Rev. W. A. Young, B.S.A. Sec. to Pres.—N. Grace Kelso.

AUXILIARY OFFICERS. Supt. of Buildings—J. E. Nicholson. Dietitians—Katherine M. Beck, Edna M. Roberts, Mary J. Parker. Nurse—Audrey H. Nelles.

AFFILIATED OFFICERS. Dir. of Research, Ontario Dept. of Agriculture, and Chairman, Cttee. on Graduate Studies at Ontario Agric. Coll.—G. N. Ruhnke,

M.S.A., F.C.I.C. Associate Dir. of Extension, Ontario Dept. of Agric.—E. I. McLoughry, B.S.A.

The main divisions of the Coll. are: Agric. and Home Econ. Courses in Agric.: Associate Dipl., 2 yrs.; B.S.A. degree, 4 yrs.; Summer Sch. for Public and High Sch. Teachers; also short courses. Research and investigation form an important part of the work. Facilities are also available for graduate work. M.S.A. degree, 1 or 2 yrs. Courses in Home Econ. at Macdonald Institute: Dipl. Course, 1 yr.; Degree Course, 4 yrs.

FEES. Tuition—Degree course students resident in the Commonwealth, in all yrs., $100 p.a.; Degree course students from outside the Commonwealth, in all yrs., $200 p.a.; Dipl. course students resident in the Commonwealth, $25 p.a.; Dipl. course students from outside the Commonwealth, $200 p.a. Lab., 1st and 2nd yrs., degree and dipl. courses, $1.50 p.a., 3rd and 4th yrs., degree course, $5 p.a. Contingency fees, all courses, $10 p.a.

Rooms for over 1200 students, men and women, on College campus. Board and room, $10 per wk.

FACULTY OF INSTRUCTION, RESEARCH AND EXTENSION. *Agric. Econ.*: D. R. Campbell, B.A. Oxon. and Tor., Prof. and Hd. of Dept.; W. M. Drummond, A.M. Harv., M.A., F.R.S.A., Prof. (on leave); C. W. Riley, M.S.A., Assoc. Prof.; S. H. Lane, B.S.A., M.Sc., Asst. Prof.; A. C. Robertson, B.S.A., H. W. Caldwell, B.S.A., M.Sc. (Ed.), M. A. MacGregor, M.S.A., P. A. Wright, B.Sc. (Agr.), M.S., R. S. Rodd, B.A., M.Sc., Lectrs.; G. I. Trant, B.S.A., Asst. (on leave). *Agric. Engin.*: C. G. E. Downing, B.E., M.Sc., Prof. and Hd. of Dept.; J. R. Scott, B.S.A., Prof.; F. L. Ferguson, B.S.A., F. H. Theakston, B.Sc., M.E., Assoc. Profs.; H. D. Ayers, B.E., M.S., E. G. Webb, B.S.A., E. W. Walpole, B.S.A., M.S., J. Pos, M.S.A., P. H. Southwell, Asst. Profs.; F. R. Hore, B.S.A., M.S., J. W. Garland, B.Sc., M.S., H. W. Robinson, B.A.Sc., C. P. Hedlin, M.Sc., G. L. Byers, B.Sc. (Agr.), M.S.A., D. F. Witherspoon, B.S.A., M.S., W. P. Shorey, B.S.A., D. E. Clark, B.S.A., V. C. Lowell, B.S.A., J. H. Gulliver, Lectrs.; R. W. Irwin, B.S.A., D. J. J. Jackson, R. Dick, J. Gansekoele, Assts.;* G. S. Moggach, B.S.A., * K. A. Clarke, B.S.A., * J. E. Turnbull, B.S.A., * H. E. Wright, B.S.A., Fieldmen. *Animal Husbandry*: R. G. Knox, B.S.A., Prof. and Hd. of Dept.; G. E. Raithby, B.S.A., E. W. Stringam, M.Sc., Ph.D., Profs.; J. C. Rennie, B.S.A., M.S., Ph.D., Assoc. Prof.; E. C. Stillwell, B.S.A., M.S., M. W. Staples, B.S.A., M.S., R. P. Forshaw, B.S.A., M.Sc., W. O. Kennedy, B.S.A., Asst. Profs.; G. W. Wood, B.S.A., M.Sc., T. D. Burgess, M.S.A., Lectrs. *Apiculture*: G. F. Townsend, M.S.A., Prof., Hd. of Dept., and Provincial Apiarist; R. W. Shuel, M.S.A., Ph.D., Assoc. Prof.; P. W. Burke, B.S.A., Asst. Prof. and Asst. Provincial Apiarist; M. V. Smith, M.S.A., Lectr.; A. B. Adie, Asst. *Bacteriol.*: E. H. Garrard, M.S.A., Prof. and Hd. of Dept.; F. E. Chase, M.S.A., Ph.D., L. A. McDermott, M.S.A., M. L. Wright, M.S.A., Assoc. Profs.; G. W. Anderson, B.S.A., M.Sc., D. B. Shutt, B.S.A., F.A.A.A.S., Asst. Profs.; J. A. Carpenter, M.S.A., C. T. Corke, M.Sc., Ph.D., J. D. Cunningham, M.S.A., * R. J. Douglas, M.S.A. (on leave), Margaret M. Hauser, M.S.A., R. A. Johnston, M.S.A., D. C. Jordan, M.S.A. (on leave), Lectrs.; R. B. Truscott, M.S.A., Asst. *Bot.*: R. O. Bibbey, B.S.A., M.Sc., Ph.D., Prof. and Hd. of Dept.; F. H. Montgomery, M.A., B. H. MacNeill, B.Sc., Ph.D., C. B. Kelly, B.S.A., M.S., Assoc. Profs.; A. A. Wellwood, B.Sc., B.A., R. T. Riddell, M.A., Asst. Profs.; C. G. Waywell, B.S.A., M.Sc., L. V. Busch, M.S.A., W. G. Barker, M.Sc., Ph.D., O. T. Page, B.S.A., M.S., Ph.D., S. G. Fushtey, B.Sc. Agric., M.Sc., Ph.D., D.I.C., Lectrs.; Mrs. Elizabeth G. MacNeill, B.A., Asst. *Chem.*:

Ontario Dept. of Agric.

R. S. Brown, M.A., Ph.D., Prof. and Hd. of Dept.; L. R. Bryant, M.A., F.C.I.C., Prof. and Dairy Chemist; D. MacDougall, B.A., M.Sc., Ph.D., L. A. Birk, B.S.A., M.S., F.C.I.C., Assoc. Profs.; D. Waghorne, B.S.A., Ph.D., W. H. Brown, M.A., Ph.D., Asst. Profs.; J. R. Rothwell, B.S.A., D. A. Biggs, B.Sc., M.S.A., Lectrs.; F. E. B. Roadhouse, M.S.A., H. E. Braun, B.S.A., G. Bedrosian, B.S.A., Assts. *Dairying*: W. H. Sproule, B.S.A., Prof. and Hd. of Dept.; F. W. Hamilton, B.S.A., Assoc. Prof.; H. A. Smallfield, B.S.A., M.S., O. R. Irvine, M.S.A., A. M. Pearson, B.S.A., M.S., Asst. Profs.; * A. G. Leggatt, M.S.A., D. H. Bullock, B.S.A., Mrs. S. Ann J. Smith, B.S.A., Assts.; * J. C. Palmer, B.S.A., * C. W. Hamilton, Instrs. *English*: G. E. Reaman, M.A., B.Pæd., Ph.D., Prof. and Hd. of Dept.; E. C. McLean, M.A., Prof.; W. Carpenter, M.A., Asst. Prof.; D. A. Riggs, M.A., M. A. King, M.A., A. W. Hagar, B.S.A., Lectrs. *Entomol. and Zool.*—A. W. Baker, B.S.A., Prof. and Hd. of Dept.; R. H. Ozburn, B.S.A., M.S., W. E. Heming, B.S.A., Ph D., Profs.; H. W. Goble, B.S.A., M.S., Prof. and Provincial Entomologist; J. G. Oughton, B.A., Ph.D., Assoc. Prof.; A. G. McNally, M.A., A. J. Musgrave, M.Sc., A.R.C.S., D.I.C., Asst. Profs.; W. C. Allan, M.S.A., S. E. Dixon, B.A., M.S.A., E. I. Sillman, B.S., M.A., Ph.D., Lectrs.; † A. de Vos, M.S., Ph.D., † R. D. Usher, B.Sc.F., Lectrs. in Wildlife Management. *Field Husbandry*: D. N. Huntley, M.S.A., Ph.D., Prof. and Hd. of Dept.; W. E. Tossell, M.S.A., Ph.D., Prof.; O. M. McConkey, B.S.A., M.S., Ph.D., F.R.S.A., J. Laughland, B.S.A., Assoc. Profs.; R. Keegan, B.S.A., W. H. Waddell, B.S.A., M.S., B. E. Twamley, B.S.A., B.A., M.Sc., Ph.D., R. S. Fulkerson, M.S.A., Asst. Profs.; G. E. Jones, M.S.A., E. Reinbergs, B.Agron., M.S.A., Lectrs.; ‡ W. L. S. Kemp, M.S.A., Supervising Inspr., Seed Potato Certification and Plant Inspection; ‡ A. E. Straby, B.S.A., Inspr., Seed Potato Certification and Plant Inspection; ‡ G. R. Johnston, M.S.A., Horticulturist, Co-operative Potato Investigations, Division of Hortic., Central Experimental Farm. *Hortic.*: J. S. Shoemaker, B.S.A., M.S., Ph.D., Prof. and Hd. of Dept.; T. O. Graham, B.S.A., M.S., Assoc. Prof.; R. Goodwin-Wilson, B.S.A., E. W. Franklin, M.S.A., C. C. Filman, B.S.A., M.Sc., Asst. Profs.; F. J. Francis, M.A., Ph.D., B. J. E. Teskey, M.S.A., T. H. Jones, B.S.A., D. C. Hamilton, B.S.A., H. G. Henderson, B.S.A., J. C. Taylor, J. A. Weall, R. A. Costen, B.S.A., M.S., E. Terasmae, D.Agron., Lectrs.; Louise W. Heringa, H. W. Bailey, B.S.A., Pamela C. Bulstrode, B.Sc., Assts. *Nutrition*: H. D. Branion, M.A., Ph.D., F.C.I.C., Prof. and Hd. of Dept.; E. V. Evans, M.A., D. C. Hill, M.S.A., Ph.D., I. Motzok, M.S.A., Ph.D., Assoc. Profs.; D. Arthur, M.S.A., J. D. Harvey, M.S.A., Lectrs.; Mrs. Jean A. Gray, B.Sc. (Agr.), M.A., Asst. *Phys. Educn.*: W. F. Mitchell, B.S.A., Asst. Prof.; J. T. A. Burnett, B.S.A., J. C. Fry, B.S., Lectrs.; F. V. Mason, Asst. *Physics*: R. C. Moffatt, M.A., Prof. and Hd. of Dept.; E. B. MacNaughton, M.A., Ph.D., Prof.; J. G. F. Morton, B.Sc., B.E., Asst. Prof.; R. S. Gage, M.S.A., R. H. Stinson, B.S.A., Lectrs. *Poultry Husbandry*: J. R. Cavers, B.S.A., M.S., Prof. and Hd. of Dept.; S. J. Slinger, M.S.A., Ph.D., E. S. Snyder, B.S.A., M.S., Profs.; J. F. Francis, B.S.A., J. H. Pettit, M.S.A., Assoc. Profs.; J. E. Bergey, B.S.A., F. N. Jerome, M.S.A. (on leave), C. M. Huntsman, B.S.A., Asst. Profs.; C. C. Duncan, B.S.A., A. M. Morphet, B.S.A., J. D. McConachie, B.S.A., H. L. Orr, B.S.A., M.S., J. P. Walker, B.S.A., M.S., W. F. Pepper, M.S.A., W. L. Anderson, B.S.A., Lectrs.; E. C. Hunt, B.S.A., G. W. Friars, B.Sc. (Agr.), Assts. *Soils*: N. R. Richards, B.S.A., M.S., Prof. and Hd. of Dept.; F. F. Morwick, M.S.A., Prof.; A. L. Willis, B.S.A., M.S., Ph.D., T. J. Heeg, M.S.A.,

* Ontario Dept. of Agric.

† By courtesy of the Ontario Dept. of Lands and Forests.

‡ Canada Dept. of Agric.

L. R. Webber, B.S.A., M.S., B. C. Matthews, B.S.A., A.M., Ph.D., Assoc. Profs.; N. J. Thomas, B.S.A., M.Sc., R. J. Bryden, B.S.A., W. T. Ewen, M.S.A., J. W. Ketcheson, B S.A., M.S. (on leave), Asst. Profs.; R. R. Bruce, B.S.A., M.S. (on leave), T. H. Lane, M.S.A., J. A. Smith, M.S.A., C. R. Leuty, B.S.A., W. L. Pelton, M.S.A., R. W. Sheard, M.S.A., R. F. Reid, M.S.A., D. M. Gray, M.S.A., Lectrs.; Erna L. Klassen, B.S.A., D. E. Logsdail, B.Sc. (Agr.), Assts.; * R. E. Wickland, B.S.A., M.S., Senior Pedologist; * J. E. Gillespie, M.S.A., * D. W. Hoffman, M.S.A., * A. B. Olding, B.S.A., Pedologists. *Library*: Florence G. Partridge, B.H.Sc., B.L.S., Chief Librarian; Mrs. Evangeline Draegen, B.A., B.L.S., Librarian; Mary K. Macdonald, Asst. Librarian. *Public Relations*: J. A. Eccles, B.S.A., Dir.; H. W. Pettipiere, B.S.A., Dean of Men and Student Counsellor; I. A. White, B.S.A., Asst. Dean of Men; A. E. Fahl, B.S.A., R. H. Ellis, B.S.A., A. J. Peppin, B.S.A., C. E. McNinch, B.S.A., D. M. Robinson, B.S.A., K. E. Chamberlain, Catherine G. Ball, B.Sc. (Agr.), Public Relations Assts.; † J. A. Mellick, District Repve.

MACDONALD INSTITUTE, Guelph, Ontario, Canada. Division of Home Econ.; Margaret S. McCready, B.A., Ph.D., Principal; Edyth L. Bray, B.H.Sc., M.S., M. Isabel Irwin, B.H.Sc., M.Sc., Ph.D., Mabel Sanderson, B.H.Sc., M.A., Mary E. Singer, B.H.Sc., Olive M. Wallace, M.S., Grace C. Frank, B.A., M.Sc., Asst. Profs.; Doris R. Baskerville, B.Sc. (H.Ec.), M.S., Louisa E. Brill, B.A., Marcia M. Gillespie, B.Sc. (H.Ec.), Marjorie J. Guilford, B.Sc. (H.Ec.), M.A., Jane F. Karstedt, M.A., Jean M. Olliver, B.Sc. (H.Ec.), M.S., Helen E. M. Stewart, B.A., Lectrs.; G. R. Couling, Instr. in Art; Mrs. Eleanor Sim, B.A., Sp. Lectr., Sociol.; Mrs. Annie E. Barber, Dean of Women.

STUDENT NUMBERS (1953–54). Ontario Agric. Coll., 1934; Macdonald Inst., 185.

ONTARIO VETERINARY COLLEGE, Guelph, Ont. (*Telephone*: Guelph 535.) Under the Dept. of Agric. and affiliated with the Univ. of Toronto. Established 1862. T. L. Jones, M.Sc. McG., D.V.M., Principal; W. J. Beaty, Bursar and Sec.; F. E. Gattinger, M.A. Sask., B.L.S. McG., Librarian and Registrar; Jean McDonald, Sec. to Principal.

DEPT. OF ANAT. J. H. Ballantyne, D.V.M., Prof. and Hd. of Dept.; H. J. Neely, D.V.M., Asst. Prof.; W. C. D. Hare, Ph.D. Edin., B.Sc., Grad. Asst. DEPT. OF BACTERIOL.—D. L. T. Smith, D.V.M., Prof. and Hd. of Dept.; ‡ G. Dempster, M.B., Ch.B., B.Sc. Edin., Prof.; ‡ C. E. van Rooyen, M.D., Ch.B., D.Sc. Edin., Prof.; D. A. Barnum, D.V.M., D.V.Sc., D.V.P.H., Assoc. Prof.; N. A. Fish, D.V.M., D.V.P.H., Assoc. Prof.; C. G. Wills, D.V.M., Assoc. Prof.; G. R. Carter, M.S. Iowa State, D.V.M., Asst. Prof.; R. J. Humble, B.A. McM., D.V.M., Asst. Prof.; H. C. Rowsell, D.V.M., D.V.P.H., Asst. Prof.; J. R. E. Taylor, D.V.M., Asst. Prof.; Joan Belcher, M.S. Wis., D.V.M., Lectr.; D. G. Ingram, D.V.M., Lectr.; K. A. McKay, M.A., M.S.A., Lectr.; *Biology*: J. P. W. Gilman, B.V.Sc., Prof. and Divisional Hd.; B. M. McCraw, M.A., Lectr.; P. McG. Mann, M.Sc. W. Ont., Asst.; ‡ Florence H. Perry, M.Sc. Dal., Ph.D., Lectr. DEPT. OF MED. AND SURG.—J. A. Henderson, D.V.M., M.S. Corn., Prof. and Hd. of Dept.; *Medicine*: D. C. Maplesden, D.V.M., Asst. Prof.; W. T. Oliver, M.Sc., Ph.D. McG., D.V.M., Asst. Prof.; C. K. H. Roe, M.S. Ill., D.V.M., Asst. Prof.; J. F. Cote, D.V.M., Lectr.; ‡ A. C. Dunbar, Q.C., Lectr.; ‡ W. G. Stevenson, D.V.M., Lectr.; H. S.

* Canada Dept. of Agric.
† National Film Bd., Ott., Ont.
‡ Part-time.

Funnell, B.A., Asst.; *Surgery and Clinics*: F. J. Milne, D.V.M. Colorado, Prof. and Divisional Hd.; * W. J. R. Fowler, D.V.M. Montr., B.V.Sc., Lectr. and Consultant; F. D. Horney, D.V.M., Asst. Prof.; D. Mitchell, B.Sc. Edin., Grad. Asst; *Animal Reproduction*: C. A. V. Barker, M.Sc. McG., D.V.M., D.V.Sc., Prof. and Divisional Hd.; J. W. Macpherson, B.V.Sc., Asst. Prof. *Small Animal Diseases (Med. and Surg.)*: J. Archibald, D.V.M., M.V.Sc., Prof. and Divisional Hd.; A. J. Cawley, D.V.M., Lectr.; G. Sapegin, Vet. Surg. Belgrade, Grad. Asst.; T. R. Clacken, D.V.M., Grad. Asst.; *Radiol.*: * A. E. Broome, M.D. Qu., Instr. and Divisional Hd.; E. J. Bishop, Lectr.; E. Lichty, Asst. DEPT. OF PARASITOL.—A. A. Kingscote, D.V.M., D.V.Sc., Prof. and Hd. of Dept.; J. K. McGregor, D.V.M., D.V.P.H., Asst. Prof.; ..... Lectr.; Liang-Yu Wu, M.Sc., Ph.D. McG., Grad. Asst. DEPT. OF PATHOL.—F. W. Schofield, Dr. Vet. Med. Munich, D.V.Sc., Prof. and Hd. of Dept.; J. D. Schroder, M.S. Minn., D.V.M., Assoc. Prof.; B. J. McSherry, D.V.M., Asst. Prof.; A. Robertson, D.V.M., Lectr.; S. W. Nielson, Vet. Surg. Copenhagen, Asst. Prof.; I. Grinyer, Asst.; T. J. Hulland, D.V.M., Grad. Asst. DEPT. OF PHYSIOL.—H. T. Batt, M.S., Ph.D. Corn., D.V.Sc.; Prof. and Hd. of Dept.; J. Markowitz, M.B.E., M.S. Minn., M.D., Ph.D., Visiting Prof.; H. G. Downie, M.S. Corn., D.V.M., M.V.Sc., Asst. Prof.; C. R. Cameron, B.A., M.S.A., Lectr. EXTENSION GROUP—*Extension Officers*: W. R. Mitchell, D.F.C., D.V.M., D.V.P.H., Assoc. Prof. (Officer-in-charge); J. S. Glover, D.V.M., Assoc. Prof.; *Diagnostic Lab. Officers*: A. E. Ferguson, B.S.A., D.V.M., Assoc. Prof.; R. B. Truscott, M.S.A., Lectr., A. H. Kennedy, B.S.A., D.V.M., D.V.Sc., Asst. Prof.; Judith C. Ochalski, D.V.M., Grad. Asst.; *Regional Vet. Lab. Officers*: G. R. Doidge, D.V.M., Regional Veterinarian, W. Ont. Experimental Farm, Ridgetown; E. B. Meads, D.V.M., D.V.P.H., Regional Veterinarian, Kemptville Agric. Sch.

The following members of the Faculty of the Ontario Agric. Coll. give instruction to veterinary students: *Animal Husbandry*: R. G. Knox, B.S.A., Prof. and Hd. of Dept.; G. E. Raithby, B.S.A., Prof.; E. C. Stilwell, M.S. Iowa, B.S.A., Asst. Prof.; R. P. Forshaw, B.S.A. Br. Col., M.Sc. McG., Asst. Prof.; *Chem.*: R. S. Brown, M.A. Qu., Ph.D. McG., Prof. and Hd. of Dept.; L. A. Birk, M.S. Mich., B.S.A., F.C.I.C., Assoc. Prof.; D. Waghorne, Ph.D. Mich. State, B.S.A., Asst. Prof.; *Dairying*: W. H. Sproule, B.S.A., Prof. and Hd. of Dept.; A. McD. Pearson, M.S. Iowa State, B.S.A., Asst. Prof.; *English*: E. C. McLean, M.A., Prof. and Hd. of Dept.; W. Carpenter, M.A. McM., Asst. Prof.; D. Riggs, B.A. W. Ont., M.A. Col., Lectr.; A. W. Hagar, B.S.A., Lectr.; *Nutrition*: H. D. Branion, M.A., Ph.D., F.C.I.C., Prof. and Hd. of Dept.; E. V. Evans, M.A. W. Ont., Assoc. Prof.; *Physics*: R. C. Moffatt, M.A., Prof. and Hd. of Dept.; J. G. F. Morton, B.Sc. Dal., B.E. N.S.T.C., Asst. Prof.; *Poultry Husbandry*: J. R. Cavers, M.S. Minn., B.S.A., Prof. and Hd. of Dept.; J. P. Walker, M.S. Penn. State, B.S.A., Lectr.; *Phys. Educn.*: W. F. Mitchell, B.S.A., Asst. Prof.

ONTARIO COLLEGE OF ART, Grange Park, Toronto. (*Telephone*: EM—6-2846.) Principal—L. A. C. Panton.

ROYAL COLLEGE OF DENTAL SURGEONS OF ONTARIO, 234 St. George St., Toronto. (*Telephone*: 0134.) Registrar—Dr. D. W. Gullett.

GENERAL INFORMATION

The University of Toronto was founded by Royal Charter under the name of King's College, at York, in 1827, as the State University of the Province of

* Part-time.

Upper Canada, in close connexion with the Church of England. As the majority of the inhabitants of the Province were not Anglicans, this peculiarity of the Charter aroused strenuous opposition, and for twenty years attempts were made to obtain a modification of it, but with slight success. As a result, in 1841 the Methodists established a University at Cobourg under the name of Victoria College, and the Church of Scotland section of the Presbyterians a University at Kingston under the name of Queen's College. In 1828 King's College was endowed with 225,000 acres of Crown lands. In 1843 the erection of a building and the work of instruction began. In 1849 an Act was passed by which King's College was secularized and removed entirely from its connexion with the Church of England, its name being changed to the University of Toronto. In 1853 University College was created, which undertook the work of instruction, the University itself becoming merely a legislative and examining body. As a result of the secularization of King's College, the University of Trinity College was founded at Toronto in 1851, under the control of the Church of England. Proposals for the federation of the Universities were first considered in 1843, but it was not until 1890 and 1904 respectively that the Victoria University and the University of Trinity College were federated with the University. The transfer of the former to Toronto was completed in 1892, and of the latter in 1925. St. Michael's College was established at Toronto in 1852 by the Basilian Order. Although it had never been granted University powers, it was accorded the status of a federated College in 1890, declared a College in the Faculty of Arts in 1910 and ranks equally with the other three colleges. Knox College, established at Toronto in 1844 as a theological seminary in connexion with the Synod of the Presbyterian Church of Canada, was incorporated in 1858 by Act of Parliament, and federated with the University in 1890. Wycliffe College, founded in 1877 and incorporated in 1879, was federated with the University in 1890; its object is the theological training of candidates for the ministry of the Church of England in Canada. Emmanuel College came into being as a result of the union in 1925 of the Methodist, Presbyterian and Congregational Churches. It is a College of Victoria University and is also separately federated to the University of Toronto.

The Univ. is administered by two senior bodies: the Bd. of Governors (25 members) apptd. by the Legislature of the Province of Ontario and primarily concerned with finance, and the Senate (169 members) which is the official authority on all academic matters. Senate includes 32 *ex officio* Coll. heads, deans, directors, etc., 16 representatives of professional licensing bodies, 60 representatives of the teaching fac. and 59 elected members of the grad. body.

The Fac. of Arts is composed of four Colls.: University Coll., Victoria Coll., Trinity Coll. and St. Michael's Coll., all of whose students meet the same admission and curricula requirements authorized by the Senate. The financial affairs of Univ. Coll. are administered by the Bd. of Governors of the Univ. but the other three Arts Colls. are autonomous instns. with degree-granting powers. They administer their own financial affairs and exercise the degree-granting powers only with respect to degrees in Divinity.

In addition, Knox Coll. and Wycliffe Coll. are theol. instns. affiliated with the Univ., but the Senate exercises no control over their curricula. The situation is parallel with respect to Emmanuel Coll., the theol. coll. of Victoria Univ., and with respect to degrees in Divinity offered by the Univ. of Trinity Coll.

Situated in Guelph, 65 miles from Toronto, are the Ont. Agric. Coll. and Ont. Vet. Coll., whose students proceed to degrees authorized by the Senate

of the Univ. of Tor. These two affiliated Colls. work in close co-operation with the Provincial Dept. of Agric. which is ultimately responsible for their financial operations.

The Chancellor, Chairman of the Bd. of Governors and President are *ex officio* members of both Senate and Bd. of Governors. The President is the chief executive officer of the Univ. in both academic and financial areas; the Chancellor, apptd. by the Bd. of Governors and the Senate for a 3-yr. term, is not expected to carry executive and admin. responsibility but does preside at Convocations and certain other formal occasions.

LIBRARY. 587,000 bound volumes and 162,000 pamphlets. The Library has acquired the library of the Royal Canadian Inst., and is consequently especially strong on the scientific side. It has also special collections of French-Canadian lit., of Italian and Spanish *belles-lettres*, and of 18th-century English lit.

MUSEUMS. *Archæology*: including extensive collections illustrating the arts and skills of the peoples of the Old World from the Old Stone Age onwards; civilizations of Egypt, Greece, Rome and Mediæv. and Mod. Europe; ceramics, furniture, arms, armour, etc., a large Ethnol. collection with stress on the American Indian. The Chinese collection covers the entire range of art and archæol., and is outstanding. The large Chinese Library provides access to the literature of China for study of these subjects. *Geology and Mineralogy*: including extensive systematic research and display collections of minerals, fine display of Canadian minerals, many special exhibits, reference library; (in course of arrangement) exhibits of local geol., geol. processes and suites of ores illustrating mineral deposits. *Zoology and Palæontology*: including extensive gallery displays of Canadian and foreign animals, extinct invertebrate animals, and a gallery of extinct reptiles and mammals, outstanding research collections numbering several thousands of specimens are considered among the finest in the world; the research collections are available only to research workers and Univ. students.

The PONTIFICAL INSTITUTE OF MEDIÆVAL STUDIES of St. Michael's College is part of the Grad. Dept. of the Coll., and all staff members are also on the staff of the Grad. Sch. of the Univ. Students are registered in the Univ. as working for the M.A. or Ph.D.

LABORATORIES, in all the Science depts. BANTING INSTITUTE with depts. of Pathol., Bact., Neuro-pathol., Med., Surg., Pathol. Chem. and the Banting and Best Dept. of Med. Research, for teaching, clinical investigation and research work. CONNAUGHT MEDICAL RESEARCH LABORATORIES provide facilities for research in preventive med. and in related fields and for production of and supply of sera, vaccines, hormones, antibiotics and other biological preparations that are difficult or costly to produce. Farm of over 145 acres. DAVID DUNLAP OBSERVATORY, Richmond Hill, contains a 74-in. reflecting telescope which may be used either as a Cassegrain or a Newtonian, the largest in the Commonwealth and one of the largest in the world. HOSPITALS available for Clinics: Toronto (General), 1416 beds; Children's, 632; St. Michael's (General), 722; Western (General), 535; Psychiatric, 76; Isolation, 150; Sunnybrook (Veterans), 1200.

FACULTIES. Arts, *Dean*—M. St. A. Woodside, M.A.; Medicine, *Dean*—J. A. MacFarlane, O.B.E., Hon. M.D., B.A., M.B., LL.D., F.R.C.S.; Applied Science and Engineering, *Dean*—R. R. McLaughlin, M.A.Sc., M.A., Ph.D.; Household Science, *Sec.*—M. Doreen Smith, M.A., Ph.D.; Education (Ontario Coll. of Educn.), *Dean*—A. C. Lewis, M.A., D.Pæd.; Forestry,

Dean—J. W. B. Sisam, B.Sc., M.F.; Music, *Dir.*—A. Walter, Jur. Utr. Dr.; Dentistry, *Dean*—R. G. Ellis, D.D.S., M.Sc. (Dent.), F.D.S.R.C.S. SCHOOLS: Graduate Studies, *Acting Dean*—A. R. Gordon, O.B.E., M.A., Ph.D., F.R.S.C.; Law, *Dean*—C. A. Wright, Q.C., B.A., S.J.D., LL.D.; Architecture, *Dir.*—H. H. Madill, O.B.E., V.D., B.A.Sc.; Physical and Health Education, *Dir.*—J. H. Ebbs, M.D., F.R.C.P.Can.; Social Work, *Dir.*—C. E. Hendry, M.A., M.H.; Nursing, *Dir.*—Nettie D. Fidler, B.A.; Hygiene, *Dir.*—R. D. Defries, C.B.E., M.D., D.P.H.; Library, *Dir.*—Bertha Bassam, B.A., B.L.S., M.S. INSTITUTES: Child Study, *Dir.*—W. E. Blatz, M.A., M.B., Ph.D.; Business Administration, *Dir.*—T. C. Graham, M.B.E., B.A.Sc.; Department of University Extension, *Dir.*—J. R. Gilley, B.A.Sc.

SECRETARIES OF FACULTIES AND SCHOOLS. (Arts) W. D. Foulds, B.A.; (Med.) Mary L. Cassidy, B.A.; (Applied Sci. and Engin.) W. S. Wilson, E.D., B.A.Sc.; (Household Sci.) M. Doreen Smith, M.A., Ph.D.; (Educn.) Lyda Swinarton; (Forestry) D. V. Love, B.Sc.F., M.F.; (Music) Mrs. V. Kilburn; (School of Graduate Studies) J. H. Sword, M.A.; (Dentistry) C. C. Rous, B.A.Sc.; (Pharm.) H. M. Corbett, Phm.B.; (Law) Joyce McClennan; (Archit.) S. R. Kent, B.Arch.; (Physical and Health Educn.) .....; (Soc. Work) Edna B. Bambridge; (Nursing) Miss H. M. Carpenter, B.S., M.P.H.; (Hygiene) D. L. MacLean, O.B.E., M.B., B.Sc. (Med.), D.P.H.; (Child Study) Mary R. McKeown, B.A.; (Business Administration) Miss M. J. Arrowsmith, B.A., M.Com.

UNIVERSITY MATRICULATION BOARD. A Board created by the Univs. of Toronto, Queen's, McMaster, W. Ont. and Ottawa conducts and controls their annual Matricn. examns. The Dept. of Educn. of Ontario provides the machinery for holding these examns., and the Registrar of the Dept. is Sec. of the Board. A report signed by all members of the staff of the school concerned as to the standing of their candidates is considered in determining the results of the examn.

For admission to the University the requirements are: the Ontario Grade XIII cert. covering English and four optional subjects. The Grade XIII examination is usually taken at the end of the fifth year of the Secondary Sch. course. The optional subjects of Grade XIII vary according to the course or Faculty which the student desires to enter. In certain cases foreign students may substitute their native language for a language other than English.

Students from the British Isles may apply for admission on submitting the General Certificate of Education with standing in subjects equivalent to the Grade XIII requirements with passes at Advanced level in at least two of these subjects. (*Note*: The specific subjects in which standing at Advanced level is required will vary with the course desired and may be ascertained from the Registrar.)

Minimum age for admission to the Faculty of Arts, 16; Med., 17; Appl. Sci., 17; House. Sci., 16; Educn., 19; Forestry, 17; Architecture, 17; Dentistry, 17.

See also Appendix I.

DEGREE COURSES. 1 yr. after B.A.—B.L.S., B.S.W.; 2 yrs.—Phm.B.; 3 yrs.—Pass B.A., Pass B.H.Sc., Mus.Bac., LL.B., B.P.H.E.; 4 yrs.—Honour B.A., B.Com., B.A.Sc., B.Sc. (Med.), B.Sc. (Dent.), Honour B.H.Sc., B.Sc.F., B Sc.Phm., B.S.A.; 5 yrs.—B.Arch., D.D.S., B.Sc.N. and D.V.M.; 6 yrs.—M.D.

The B.Sc. (Med.) may be conferred for special work or investigation as a

graduate degree and in certain circumstances for an extra yr.'s work as an undergraduate. Similar regulations govern the B.Sc. (Dent.).

A student who has already graduated in the Faculty of Arts, Med. or Sci. of a Canadian or other recognized Univ. may complete the course in Dentistry in 4 yrs. instead of 5, provided he has covered certain prescribed subjects during his undergrad. course; and persons holding qualifications obtained in Great Britain or Ireland registrable by the Dental Board of the United Kingdom or the B.D.S. of approved Australian Univs. may be admitted to the Fac. of Dentistry without further examn., and to the final D.D.S. examns. on completing one full session in the Fac. of Dentistry.

Higher Degrees. M.A., obtainable by approved course of graduate study extending over 2 yrs. or in the case of a B.A. in an Honours course, 1 yr.; Ph.D., open to a graduate in Arts or Science of this or another recognized Univ. by pursuing in the Univ. of Toronto an advanced course of study for 3 yrs., exemption from 1 of which may be given in consideration of the candidate having already pursued such a course for 1 yr. A thesis embodying the result of an original investigation is required.

M.Com., obtainable by approved course of graduate study extending over 1 to 2 years.

M.S. obtainable after 3-yr. course open only to graduates in Med. of a recognized Univ. The D.P.H. course (for Med. graduates) covers 11 mos. —1 winter and 1 summer session; the Diploma courses in Radiology and in Psychiatry (for Med. graduates) each cover 12 mos.

M.A.Sc. may be obtained by a B.A.Sc. graduate of this Univ. or one who holds an equivalent degree from some other Univ. who pursues a course of advanced study in the Faculty for 1 yr., presents a satisfactory thesis and passes such examns. as may be prescribed.

M.Arch. may be obtained by one who holds the degree of B.Arch. or B.A.Sc., or an equivalent degree, under the same conditions as the M.A.Sc. degree.

Professional degrees, C.E., M.E., Mech.E., E.E., Chem.E., Met.E., are open to candidates who, after obtaining the B.A.Sc. or diploma of the Faculty, spend 3 yrs. in the actual practice of one of these branches of engineering, present a satisfactory thesis and pass examns.

M.Sc.F. is open to candidates who have obtained the B.Sc.F. or equivalent degree. The course normally requires 2 yrs. if by examn. and 1 yr. if by thesis.

B.Ed. is open to candidates holding an approved degree in Arts, Sci., Agric., Engin. or Comm., and a certif. as teacher valid in one of the Provinces of Canada and issued after a regular course in an approved training school or the equivalent of such certif. and course of training. They must attend the Ontario Coll. of Education during two regular Coll. sessions or three summer sessions, with certain exceptions.

M.Ed. is open to graduates in Arts, Science, Agric., Engin. or Comm. of any British Univ. who hold the B.Ed. degree and a teacher's certif. valid in one of the Provinces of Canada and pass prescribed examns. A thesis is also required, and the candidate must have attended one regular session and a summer course or three summer sessions. The Ed.D. is open to holders of the M.Ed.; one regular session or two summer sessions of course work and a thesis are required.

M.L.S., 1-yr. course open to holders of B.L.S.

M.S.W. (Master of Social Work) is open to grads. who have obtained the B.S.W. degree or its equivalent. The D.S.W. is open to holders of the M.S.W.

M.S.A. is open to grads. who have obtained the B.S.A. degree or its equivalent.

M.Sc. (Dent.) is open to grads. of the Fac. of Dentistry of Univ. of Toronto or those with equivalent standing. It involves at least 2 yrs.' work.

M.Sc.Phm. (Master of Science in Pharmacy), open to holders of B.Sc.Phm., or equivalent degree, who pursue advanced course of study and submit satisfactory thesis. (Normally two academic sessions.)

M.V.Sc. or the D.V.Sc. is open to grads. who have obtained the B.V.Sc. or the D.V.M. degree or its equivalent.

Mus.Doc. is open to a Mus.Bac. of this or another Univ. of 1 yr.'s standing.

Mus.M. (Master of Music) may be obtained by those holding the degree of Mus.Bac. or its equivalent after two academic sessions of advanced work.

LL.M. may be obtained by an LL.B. graduate of the Univ. or an approved Univ., of at least 1 yr.'s standing, who passes the prescribed examns. and presents a satisfactory thesis. The D.Jur. is open to candidates who have obtained the LL.M. or its equivalent. It requires 1 yr.'s attendance, examn. and a thesis.

The Univ. publishes annually an announcement of *Graduate Courses. All communications on the subject must be addressed to the School of Graduate Studies.*

TRAINING OF TEACHERS. Candidates for a certificate to teach in the secondary schools of Ontario must hold an approved degree and attend the Ont. College of Education for one year. Teachers of vocational subjects need not hold a degree, but must have practical experience as a journeyman in the trade, and must attend the Ont. College of Education for one year.

FEES. Students proceeding to B.A. and enrolled in one of the Colls. of the Univ. attend lectures of Univ. Profs. and Lectrs. in Fac. of Arts without payment of fees except for library, lab. supplies, examns. and certain other incidentals. The Coll. Fees. which entitle students to attend degree courses in their respective Colls. are $268 p.a.; App. Sci. and Engin., Men $491, Women $473; Archit., Men $488, Women $471; Arts (Univ. Coll.), Men $340 (B.A.), $365 (B.Com.), Women $329 (B.A.), $354 (B.Com.); Arts (Victoria, Trinity and St. Michael's), Men $65 (B.A.), $241 (B.Com.), Women $50 (B.A.), $226 (B.Com.); Child Study, $238; Dent., Men $342 (pre-Dent.), $492 (1st to 4th Dent. yrs.), Women $327 (pre-Dent.), $477 (1st to 4th Dent. yrs.); Dental Nursing, $246; Dental Hygiene, $318; Forestry, $440 (1st to 3rd yrs.), $422 (4th yr.); Household Sci. $329; Law, Men $365, Women $350; Med., Men $339 (pre-Med. yrs.), $540 (1st to 3rd Med. yrs.), $550 (4th Med. yr.), Women $326 (pre-Med. yrs.), $527 (1st to 3rd Med. yrs.), $537 (4th Med. yr.); Art as applied to Med., Men $333, Women $318; Phys. and Occupational Therap. (1st to 3rd yrs.), $347; Nursing, degree courses (1st and 2nd yrs.), $250 (3rd and 4th yrs.), $243, grad. courses, $318; Ont. Coll. of Educn., Teachers' courses, Men $215, Women $200; Library Sch. Degree course, Men $223, Women $208; Pharmacy, Men $400, Women $385; Phys. and Health Educn., Men $368, Women $357; Soc. Work (B.S.W.), Men $361, Women $346; Dipl. in Pub. Health, $425; Dipl. in Indust. Hyg., $425 and $300; Dipl. in Med. Radiol., $175, in Psychol., $115, in Vet. Pub. Health, $258; in Hosp. Admin., $508; Cert. in Pub. Health, $258; Dipl. in Dent. Pub. Health, $425, Dipl. Course, $250; B.Sc. Med., $205; B.Sc. Dent., $160.

SCHOLARSHIPS. Numerous fellowships, scholarships, bursaries and prizes are available in the various Colleges and Faculties of the Univ. and senior students may obtain assistance from loan funds held by the Alumni Association of the Univ., the Students' Administrative Council and the Fac. of Applied Sci. and Engin.

There are a number of scholarships and fellowships, etc., tenable in the School of Graduate Studies.

RESIDENCES. University College residence for men (183)—room and board $560 for session; residence and board for women (225), at least $500 for the session; Victoria Coll. Halls for 260 men and 200 women; Trinity Coll. provides for 135 men and 100 women; St. Michael's (R.C.) has also residences for men and women.

HART HOUSE, the gift of the Massey Foundation in memory of H. Massey, affords all the facilities of a first-rate club for male undergraduates. The Student Christian Movement has its headquarters in the House; it also contains a wing with the Athletic Assocn. offices, gymnasium, swimming pool, etc., in which phys. training and recreation for male students are carried on. Annual fee, $15. *Telephone* (Hall Porter): WA. 3-6445.

WOMEN'S UNIONS. The Arts Colleges provide centres for the social activities of the undergraduate women of their respective colleges; these have common rooms, library, dining-hall and guest rooms.

UNIVERSITY EXTENSION. (1) Courses leading to the B.A. degree conducted in the evenings and on Saturdays for teachers and other adults. (2) Summer Session in Arts subjects and in Pedagogy. (3) Evening tutorial non-credit classes in a variety of Arts and cultural subjects held during the winter session. (4) Evening non-credit classes in subjects relating to Business and Industry held during the winter session. (5) Evening Course in Business leading to cert. (6) Extension lectures throughout the Province. (7) Correspondence Division conducts courses for credit for 7 business organizations. (8) Short refresher courses for Social Workers, Fire Fighters, Accident Prevention, Public Safety (safe driving), for groups of graduates and others in special fields.

PUBLICATIONS. *President's Annual Report*; *Board of Governors' Report*; *Calendars*, April-May; *Bulletins of the Dept. of University Extension*; *Medical Bulletin*; University of Toronto Press books and journals, including *Can. Journal of Psychology*; *Can. Journal of Mathematics*; *Univ. of Toronto Quarterly*; *Can. Historical Review*; *Can. Journal of Econ. and Polit. Sc.*; *Univ. of Toronto Law Journal*; *The Phoenix*; Univ. *Studies*: Alumni and students' magazines—*Alumni Bulletin, Varsity, Torontonensis.*

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. Defence Res. Bd., $405,160; Rockefeller Foundation, $298,640; National Res. Council, $197,462; Dr. S. Samuel, $116,407; Sch. of Nursing Bldg. Funds, $95,000; Res. Council of Ontario, $73,020; National Cancer Inst. of Canada, $64,135; Friends of late Dr. H. M. Cassidy, $59,744; Ontario Coll. of Pharmacy, $50,000; Ford Foundation, $43,973; Carnegie Corporation of New York, $41,790; Province of Ontario, $40,700; Univ. of Tor. Dental Res. Funds, $36,362; J. P. Bickell Foundation, $30,060; Estate of late Dr. H. E. Clutterbuck, $30,000; Atkinson Charitable Foundation, $26,300; Banting Res. Foundation, $24,625; Canadian Life Insurance Officers Assoc., $22,500; Estate of late J. R. Scott, $21,785; Alumnae Assoc. of Sch. of Nursing, $20,250; Estate of late T. Foster, $20,000; Govt. of Canada, $17,400; W. K. Kellogg Foundation, $15,469; Alumnae Assoc. of Toronto General Hosp. Sch. for Nurses, $15,000; Samuel Beatty Fund, $14,955; Nutrition Foundation, $13,073; Estate of late Dr. W. B. Boyd, $12,685; Estate of late Col. R. W. Leonard, $12,600; Inst. of Child Study Bldg. Alterations Fund, $12,550; John and Mary R. Markle Founda-

tion, $11,910; Associates of the Univ. of Tor., $10,600; Carnegie Corporation of New York, $9650; Canadian Hosp. Council, $8971; H. A. Innis Memorial Fund, $8299; Lt.-Col. W. E. Phillips, $8000; Imperial Oil Ltd., $7875; Central Mortgage and Housing Corp., $7700; Canadian Arthritis and Rheumatism Soc., $7650; W. R. Taylor Memorial Fund, $7563; Sugar Assoc. Incorporated, $7500; Ontario Cancer Treatment and Res. Foundation, $7041; Estate of late Lillian S. Lucas, $7000; friends of late B. Newman, $6210; G. H. Best Inst. Fund, $6025; Dr. J. A. Sullivan, $5240; Dominion Stores Ltd., $5000; James Franceschini Foundation, $5000.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Hon. S. Runciman, Camb., "Byzantium and the Slavonic World in the XII Century"; Dr. W. Heckscher, Princ., "Rembrandt and Science: An Analysis of the Anatomy of Dr. Tulp"; Prof. L. A. Willoughby, Lond., "On Re-Reading *Dichtung und Wahrheit*"; Prof. G. Ritter, Freiburg, Germany; Prof. G. O. Sayle, Belf.; Sir K. Hancock, Lond., "Exploring the Life of General Smuts"; H. G. Johnson, Camb., "The Overloaded Economy", "The Sterling Crisis", "The Attrition of the Welfare State"; Prof. T. Parsons, Harv., "Some Problems of the Theory of Social Stratification"; Prof. R. B. McLeod, Corn., "The Cross-Cultural Approach to Psychological Problems"; Prof. N. Arseniev, Mont., "Russian Religious Thinkers"; Dr. R. Hill, Camb., "Biochemical Studies of Photosynthesis"; Dr. G. Schmidt, "New Observations Bearing on Structure of Acetalphospholipids"; "Acid-Soluble Diesters of Phosphoric Acid in Tissues"; Dr. R. Brown, Leeds, "Cellular Processes in Root Growth"; Dr. F. C. Steward, Corn., "On the Physiology of Growth"; Dr. M. S. Newman, Ohio State Univ., "Behaviour of Organic Substances in Sulfuric Acid", "Steric Factors in Organic Chemistry"; Prof. C. P. Smyth, Prin., "Dipole Moment, Molecular Orientation and Structure"; Dr. C. G. Swain, M.I.T., "Polyfunctional Catalysis", "Quantitative Correlation of Rates of Polar Displacement Reactions"; Prof. R. L. Pigford, Delaware, "Recent Advances in Diffusional Operations"; Prof. R. H. Kinvig, Birm., "Isle of Man", "Regional Studies, Birmingham District", "West Africa"; Prof. C. Schott, Kiel, "German Refugee Problem", "Recent Trends in German Geography"; Sir Allen Daley, Lond., "The British National Health Service, a Critical Assessment"; Prof. R. H. Bruck, Wis., "Coordinate Systems", "Alternative Division Rings"; Prof. S. Chandrasekhar, Yerkes Observatory, "A Class of Non-Linear Integral Equations", "On Examples of the Stability of Fluid Motion in Hydrodynamics and Hydromagnetics"; Prof. P. Erdos, Wash., "Old and New Problems in the Distribution of Primes", "Some Applications of Probability in Numbers Theory and Analysis"; Dr. Hilda G. von Mises, Wheaton College, "Problems of Plastic Flow", "Statistics of Heredity"; Prof. F. Seitz, Ill., "Theory of the Ideal Crystal", "Theory of Crystal Imperfections"; Prof. J. Bartels, Göttingen, "Interpretation of Geomagnetic Records in Terms of Solar and Lunar Influences"; Prof. F. Simon, Oxford, "The Absolute Zero of Temperature"; Dr. Ancel Keys, Minn., "The Composition of the Human Body", "Metabolism and Function in Starving Men", "Serum Lipids, Heart Disease and the Diet"; Dr. G. H. Bergold, Sault Ste-Marie, Ontario, "Virus Diseases of Insects and Their Economic Importance", "Progress in Fundamental Research on Insect Viruses", "Speculations on the Nature of Insect Viruses as Organisms"; Dr. Honor B. Fell, Camb., "Application of Organ Culture to Biological Research"; M. Novikoff, International Univ., Munich, "Regularity of Form in Organisms."

RETIREMENTS. Prof. E. L. Daniher (Geog. and Hist.); Asst. Prof. E. Fidlar (Physiol.); Assoc. Prof. F. W. Halbus (Phys. Educn.); Asst. Prof.

A. E. MacDonald (Ophthalmol.); Prof. E. A. Smith (Indust. Chem.); Prof. W. M. Treadgold (Civil Engin.).

RESIGNATIONS. Prof. R. E. Barrett (Min. Engin.); Assoc. Prof. L. O. Bradley (Hosp. Admin.); Prof. B. Chalmers (Metall. Engin.); Mrs. J. S. Current (Assoc. Prof. of Household Sci.); Asst. Prof. H. A. King (Vocational Subjs.); Asst Prof. G. G. Lorentz (Maths.); Prof. R. E. Moyers (Orthodont.); Mrs. D. K. Nelson (Asst. Prof. of Nursing); Asst. Prof. M. A. Preston (Phys.); Asst. Prof. R. Scott (Electr. Engin.); Asst. Prof. J. F. A. Sprent (Hyg.); Asst. Prof. A. C. Turner (Hist.); Asst. Prof. R. E. Williamson (Astron.); A. Zinovieff (Therap.).

DEATHS. Prof. G. R. Anderson (Engin. Phys., retired 1934); H. Innis.

HONORARY DEGREES. *LL.D.*—S. Beatty; W. P. M. Kennedy; Hilda M. A. Neatby; E. P. Scarlett. *D.Sc.*—P.-E. Gagnon; D. A. Keys. *D.Litt.*—E. J. Pratt.

STUDENT NUMBERS (1951–52). Men, 8522; Women 3499; total, 12,021.

DEGREES. LL.D., 4; D.Sc., 2; D.Litt., 1; M.D. Class 1903, 17; Ph.D., 82; M.A., 160; M.Com., 34; M.S., 2; M.A.Sc., 33; M.Sc.F., 3; D.Pæd., 4; M Ed., 19; M.L.S., 1; Mus.Doc., 2; M.Sc. (Dent.), 5; M.S.A., 24; M.S.W., 24; B.A., 854; B.Com., 55; M.D., 166; B.Sc.(Med.), 5; B.A.Sc., 334; B.H.Sc., 32; B.Pæd., 19; B.L.S., 57; B.Sc.F., 23; Mus.Bac., 19; D.D.S., 80; B.Sc. (Dent.), 2; LL.B., 15; B.Arch., 31; B.P.H.E., 39; B.S.W., 68; B.Sc.N., 13; Phm.B., 98; B.Sc.Phm., 42; B.S.A., 78; D.V.M., 3.

DIPLOMAS AND CERTIFICATES. Phys. and Occupational Therapy, 74; Radiol., 4; Psychiatry, 4; Art as Applied to Med., 1; Dipl. in Occupational Therapy (Teacher's course), 1; Dent. Hyg., 5; Dent. Pub. Health, 2; Dent. Nursing, 29; Clin. Supervision, 55; Admin. of Nursing Service, 28; Nursing Educn., 46; Pub. Health Nursing, 165; Hosp. Admin., 5; Vet. Pub. Health, 4; Pub. Health, 17; Child Study, 17; Bus., 22; Institutional Management, 1.

UNIVERSITY OF TRINITY COLLEGE

Founded 1851

(*Federated with the University of Toronto*)

Postal Address: Queen's Park, Toronto 5, Ontario, Canada.
Telephone: WA. 3-8411.

CHANCELLOR—G. B. STRATHY, Q.C., LL.D.

VICE-CHANCELLOR AND PROVOST—Rev. R. S. K. SEELEY, M.A. Camb., D.D. St. John's (Winnipeg), K.C.N.S., Wycliffe (Tor.), LL.D. Qu., D.C.L. Bishop's.

VICE-PROVOST AND REGISTRAR—G. EDISON, A.M. Col., Ph.D. Tor.

DEAN OF WOMEN STUDENTS AND PRINCIPAL OF ST. HILDA'S COLLEGE—Miss K. M. DARROCH, M.A. Camb., B.D. Lond.

DEAN OF DIVINITY—Rev. C. R. FEILDING, B.A. K.C.N.S., S.T.D. G.T.S., N.Y.

LIBRARIAN—J. W. COLE, M.A. Oxon.

ACTING DEAN OF RESIDENCE—T. H. B. SYMONS, B.A. Tor. and Oxon.

BURSAR—G. M. MUDGE.

TEACHING STAFF

ARTS

See the consolidated list under Toronto Univ., names marked (T.).

DIVINITY

Christian Education

Thompson, Rev. G. H., B.A. McG., A. M.Col. Dir. of Field Work.

Christian Ethics and Moral Theology

Feilding, Rev. C. R., B.A. K.C.N.S., S.T.D. G.T.S., N.Y. Prof.

Fairweather, Rev. E. R., B.A. McG., M.A. Tor., Th.D. U.T.S., N.Y.

Owen, Rev. D. R. G., M.A. Oxon., B.A., Ph.D. Tor.

Church Music

Sidgwick, J. R. L., M.A., Mus.B. Camb., F.R.C.O.
Juliet E. Doolittle Lectr.

Dogmatic Theology

Fairweather, Rev. E. R., B.A. McG., M.A. Tor., Th.D. U.T.S., N.Y.

Ecclesiastical History and Liturgics

Smith, Rev. W. L., M.A. Tor. and Oxon.
Assoc. Prof.

Feilding, Rev. C. R., B.A. K.C.N.S S.T.D. G.T.S. N.Y.

History and Philosophy of Religion

Owen, Rev. D. R. G., M.A. Oxon., B.A., Ph.D. Tor.
Assoc. Prof.

Edison, G., A.M. Col., Ph.D. Tor.

Homiletics

Crosthwait, Rev. Canon T. P., M.A.

Nicholson, Rev. Canon F. J.

Missions

Albright, Rev. L. S., B.A., S.T.M., D.D. Hon. Lectr.

Dixon, Rev. L. A., O.B.E., M.A. Tor., D.D. Wycliffe Hon. Lectr.

New Testament and New Testament Greek

Beare, Rev. F. W., B.A. Tor., Ph.D. Chic. Prof.

Seeley, Rev. R. S. K., M.A. Camb., D.D. St. John's (Winnipeg), K.C.N.S., Wycliffe (Tor.), LL.D. Qu., D.C.L. Bishop's Lectr.

de Catanzaro, Rev. C. J., B.A. K.C.N.S., M.A. Dal., B.D. Lectr

Old Testament, Hebrew and Septuagint Greek

Mercer, Rev. S. A. B., A.B. Harv., M.A. Wis., D.D. Nashotah, Ph.D. Munich Emer. Prof.

Cosgrave, Rev. F. H., M.A. Dub., D.C.L. Bishop's, LL.D. Qu., McM., Tor., D.D. Vic. Tor. Lectr.

Newby, Rev. M. T., M.A. Tor. Lectr.

de Catanzaro, Rev. C. J., B.A. K.C.N.S., M.A. Dal., B.D. Lectr.

Pastoral Theology

Feilding, Rev. C. R., B.A. K.C.N.S., S.T.D. G.T.S., N.Y.

Tutors

Orr, Rev O. R., B.A. Tor., A.M. Harv, S.T.B. G.T.S., N.Y.

Crouse, Rev. R. D., B.A. Dal., S.T.B. Harv.

ADMINISTRATIVE AND OTHER STAFF

Executive Sec. of Convocation: J. A. Philip, B.A., D.Litt.

GENERAL INFORMATION

The University of Trinity College, founded 1851, Royal Charter, 1852, federated with the Univ. of Toronto, 1904, now confines its Univ. work to the two Faculties of Arts and Divinity. As an Arts College it forms an integral part of the Fac. of Arts of the Univ. of Toronto. The courses of instruction are prescribed by that Univ. Instruction is given in the Coll. in all subjects assigned to the Arts Colls. These include Greek, Latin, Greek and Roman Hist., Ancient Oriental Hist., Oriental Langs., Engl., German, French, Ethics and Religious Knowledge. Instruction in other subjects of the Arts Courses is given by the Univ. Students of the Coll. receive the degrees of the Univ. of Toronto at the conclusion of their courses. As a Theological Coll., Trinity maintains its own Fac. of Divinity and confers degrees.

LIBRARY. 47,139 vols.

RESIDENCE. For women (fees, $603): 101 St. George St., 20 students; St. Hilda's College, Devonshire Place, 76 students. For men (fees: $613): 99 St. George St., 15 students; 113 St. George St., 21 students; main bldg. of Trinity Coll., 99 students.

FEES. Tuition fees are the same as those of the Univ. of Toronto (*see* p. 947). Incidental College fees amount to about $34.50

PUBLICATIONS. *Calendar* (May); *Trinity Univ. Review*, 6 times a year.

THE YEAR 1952–53

HONORARY DEGREES. *D.D.*—Very Rev. N. R. Burke; Rev. Canon W. E. Kidd; Ven. W. E. Ryder; Rt. Rev. F. H. Wilkinson.

STUDENT NUMBERS. *Arts*: 219 men; 193 women. *Divinity*: 56 men; 1 woman; special and occasional, 2.

DEGREES, etc. (awarded by the Univ. of Trinity College). S.T.B., 8; B.D., 1; L.Th., 15; S.Th., 2.

VICTORIA UNIVERSITY

Incorporated 1836

(*Federated with the University of Toronto*)

Postal Address: Queen's Park, Toronto 5, Ontario, Canada.
Telegraphic Address: Vicollege, Toronto.
Telephone: WA. 2-0310.

CHANCELLOR—Hon. L. B. PEARSON, O.B.E., B A , LL.D. Tor., M.A., D.C.L. Oxon.

PRESIDENT AND VICE-CHANCELLOR—Rev. A. B. B. MOORE, B.A. McG., D.D. Montr.

PRINCIPAL, VICTORIA COLLEGE—H. BENNETT, B A. Tor., Ph.D. Chic.

PRINCIPAL, EMMANUEL COLLEGE—Rev. A. D MATHESON, M.A , B.D. Qu., D.D. Montr.

REGISTRAR—F. A. HARE, M.A. Tor.

LIBRARIAN—Miss M. V. RAY, B.A. Tor.

TEACHING STAFF

ARTS (Victoria College)

See the consolidated list under Toronto Univ., names marked (V.).

THEOLOGY (Emmanuel College)

Church History
Cousland, Rev. K. H., M.C., M.A. Oxon., D.D. Montr. Prof.

Homiletics and Pastoral Theology
Matheson, Rev. A. D., M.A., B.D. Qu., D.D. Montr. Prof.

New Testament Lit. and Exegesis
Johnston, Rev. G., M.A., B.D. Glas., Ph.D. Camb. Prof.

Old Testament Lit. and Exegesis
McLean, Rev. C. V., M.A., B.D. Union, Ph.D. Col. Prof.

Public Speaking
McMullen, Rev. G. A., B.A. Tor. Asst. Prof.

Religious Pedagogy
Guthrie, Rev. J. R., M.A., B.D., B.Ed. Edin., S.T.M. Union Asst. Prof.

Systematic Theology and Philosophy of Religion
Leslie, Rev. C. W., M.A. Tor., Ph.D. Harv., B.D. Prof.
Fennell, Rev. W. O., B.A. Tor., S.T.M. Union Asst. Prof.

ADMINISTRATIVE AND OTHER STAFF

Bursar: W. C. James, B.A. Tor. Dean of Women: Jessie Macpherson, M.A., Ph.D. Tor.; Sr. Tutor: C. C. Love, M.A. Camb., Ph.D. Tor. Account-

ant: K. M. Dinsmore, B.Com. Tor. Supt. of Buildings and Grounds: F. C. Stokes, M.A. Tor.

GENERAL INFORMATION

Originally established as the Upper Canada Academy at Cobourg, Ont., in 1836 by Charter of King William IV. Granted degree-conferring powers in 1841. Facs. of Med., Sci. and Law were continued along with Arts and Theol. until 1892, when Victoria, having entered into federation with the Univ. of Toronto, moved to Toronto and agreed to hold in abeyance its power to grant degrees except in Theol.; Arts students at Victoria receive their degrees from the Univ. of Toronto. In 1928, by Act of the Legislature of the Province of Ontario, Victoria received an amended charter by which it continues in federation with the Univ. of Toronto and in connexion with the United Church of Canada (formed in 1925 by the union of the Congregational, Methodist and Presbyterian Churches in Canada), and includes within itself, under one Board of Regents and one Senate, two Colls., Victoria Coll. in Arts and Emmanuel Coll. in Theol., the latter formed by the union of the Victoria Univ. Fac. of Theol. with Union Theological Coll.

LIBRARY. Special features—Canadian verse and Tennysoniana (C. C. James's collections), Canadian Church History, Erasmiana.

COURSES. 3 yrs. for General Course B.A.; 4 yrs. for Honour Courses; 3 yrs. for B.D., subsequent to graduation in Arts; 3 yrs. for Diploma in Theol., subsequent to 3 or 4 yrs. in Arts; postgraduate courses for Th.M., Th.D. and B.R.E.

RESIDENCE. Victoria Univ. Men's Residences, 89 Charles St. West (261 men); Victoria Univ. Women's Residences, 95 Queen's Park Crescent (238 women).

PUBLICATIONS. *Theological Calendar* (June); *Bulletin* (June); *Acta Victoriana*, a students' monthly.

THE YEAR 1952–53

BENEFACTIONS. $88,741.

HONORARY DEGREES. *D.D.*—Rev. W. F. Banister, Minister, Kingston, Ont.; Rev. E. R. McLean, Minister, Toronto; Rev. G. P. MacLeod, Minister, Calgary; Rev. A. G. Reynolds, Minister, Elmvale, Ont.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	696	37
Women	453	1
Total	1149	38

Postgraduate students, 57; extra-mural, 19.
First-year admissions, 368.

Students from other countries, 18. (Countries from which largest numbers came: U.S.A., 6; British W. Indies, 5.)

DEGREES. *Theol.* (conferred by Victoria Univ.): Th.D., 2; Th.M., 1; B.D., 30. *Arts and Comm.* (conferred by Univ. of Toronto): B.A., 280; B.Com., 32.

DIPLOMAS. *Theol.* (awarded by Emmanuel Coll.): 28.

[*Information compiled as at June* 1954.]

UNIVERSITY OF WESTERN ONTARIO*

Founded 1878

Postal Address: London, Ontario, Canada.
Cable Address: Uwestario.
Telephone: London 4-6861.

VISITOR—His Honour THE LIEUT.-GOVERNOR OF ONTARIO.

CHANCELLOR—ARTHUR R. FORD, LL.D.

CHAIRMAN OF THE BOARD OF GOVERNORS—A. T. LITTLE, LL.D.

PRESIDENT AND VICE-CHANCELLOR—G. E. HALL, A.F.C., M.S.A., M.D., D.Sc., Ph.D. Tor., LL.D., F.R.S.C.

VICE-PRESIDENT—R. A. ALLEN, M.A. Tor., Ph.D Chic.

REGISTRAR AND SECRETARY OF SENATE—HELEN M. B. ALLISON, M.A. Minn.

LIBRARIAN—J. J. TALMAN, Ph.D. Tor., F.R.S.C.

COMPTROLLER AND SECRETARY OF BOARD OF GOVERNORS—R. B. WILLIS, M.A., F.C.I.S.

DEANS—*Arts and Science*—F. STILING, A.M., Ph.D. Mich., Principal of Univ. Coll.; *Graduate Studies*—R. A. ALLEN, M.A. Tor., Ph.D. Chic.; *Medicine*—J. B. COLLIP, C.B.E., M.A., Ph.D., D.Sc., M.D., LL.D., F.R.C.P. Can. and Lond., F.R.S.C., F.A.C.P., F.R.S.; *Business Administration*—LLOYD W. SIPHERD, M.B.A. Harv. (on leave); *Nursing*—EDITH M. McDOWELL, B.Sc., A.M. Col.

TEACHING STAFF

Astronomy, v. Maths.

Botany

Hart, N. C., M.A. Tor. Prof.
Walker, A. R., M.A. Tor. Prof.
McLarty, D. A., Ph.D. Col. Assoc. Prof.
2 Hon. Lectrs., 2 Instrs., 2 Assts.

Business Administration

Professors

Thompson, W. A., M.B.A. Harv.
Fox, E. J., Ph.D. Calif. (on leave).
Bonner, B., Ph.B. Chic., Ph.D. N. Carolina.
Taylor, J. C., B.A.
Jones, F. W. P., M.A.

Assistant Professors

Huson, A. G., B.Sc. Lond.
Ladd, D. R., M.B.A. Harv. (on leave).
Waugh, W. R., B.A.
Wettlaufer, J. J., M.B.A.
3 Lectrs., 5 Instrs., 4 Assts.

* Member of the Association of Universities of the British Commonwealth.

Chemistry

Professors

Gunton, J. A., M.A. McM., Ph.D. Ill., F.C.I.C.
Burns, J. W., M.Sc. Qu., F.C.I.C.
Martin, H., D.Sc. Lond., F.R.I.C.

Associate Professors

Sivertz, C., B.A.Sc. Br. Col., M.Sc., Ph.D. McG.
Watson, J. K., Ph.D. Tor.
Hunten, K. W., Ph.D. McG., F.C.I.C.
Pattison, F. L. M., Ph.D. Camb.
2 Hon Lectrs., 1 Instr., 6 Assts.

Classics

Ralph, J. D., Ph.D. Chic. Prof.
Pemberton, R. E. K., M.A. Oxon. Prof.
Raymond, A. E., M.A. Tor., Ph.D. Chic. Assoc. Prof.

Economic and Polit. Science

Professors

Inman, M. K., B.A. Acad., A M., Ph.D. Harv.
Reilly, E. E., B S A. Tor., M.S. Wis., F.R.E.S.
Harvey, W. B., M.A., LL.B. Manit., Ph.D. Chic.

Associate Professors

Bittner, C. J., Ph.D. Iowa.
Ivor, D., M.A., Ph.D. Lond.
3 Lectrs.

English

Klinck, C. F., M.A., Ph.D. Col. Prof.

Associate Professors

MacKinnon, M. H. M., M.A., Ph.D. Tor.
Conron, A. B., D.S.O., A.M., Ph.D. Harv.

Assistant Professors

Buckley, G. E., B.A. Mt. All., A.M. Col.
Atkinson, W. E. D., B.A. Camb., Ph.D. Chic.
Graham, J. W., B.A. Manit., Ph.D. Tor.
4 Lectrs., 3 Instrs., 2 Assts.

French, Italian and Spanish

Torrens, R. W., A.M. Harv., Ph.D. Corn. Prof.
Turville, Ada D., Ph.D. Col. Prof.
Jenkin, H. E., B.A. Lond., L. ès L. Laval Prof.
Collin, W. E., L. ès L. Toulouse, M.A. Assoc. Prof.
Montgomery, F., D. de l'U. Paris, M.A. Assoc. Prof.
2 Lectrs., 1 Instr.

Geography

Pleva, E. G., M.A., Ph.D. Minn. Prof.
1 Lectr., 3 Instrs., 3 Assts.

Geology

Reavely, G. H., M.A. Prof.
Suffel, G. H., Ph.D. Calif. Assoc. Prof.
Dreimanis, A., M.Nat.S. Riga Asst. Prof.
Uffen, R. J., M.A. Tor., Ph.D. Asst. Prof.
1 Lectr.

German

Kalbfleisch, H. K., M.A. N.Y., Ph.D. Mich. Prof.
3 Lectrs.

Hebrew

Harrison, Rev. R. K., B.D., M.Th., Ph.D. Lond. Prof.

History

Dorland, A. G., B.A. Qu., M.A. Yale, Ph.D. Tor., F.R.S.C. Prof.

Associate Professors

Thomas, H. M., A.M., Ph.D. Harv.
Balderston, W., M.A., Ph.D. Corn.
5 Lectrs., 1 Asst.

Journalism

Wild, J. L., B.A. Prof.

Dingman, Mrs. Isabel, M.A. Manit. Asst. Prof.
7 Lectrs., 3 Assts.

Law

Carrothers, C. C., B.A., LL.B., Q.C. Lectr.

Library Science

4 Lectrs.

Mathematics and Astronomy

Professors

Magee, G. R., M.S., Ph.D. Chic.
Cole, R. H., M.A., Ph.D. Wis.
Woods, A., M.A. Qu.
Henderson, G. P., M.A., Ph.D. Tor. Asst. Prof.

Medicine, v *infra*

Music

Robb, H., D.D.S. Tor. Prof.
4 Lectrs.

Philosophy

Johnson, A. H., M.A., Ph.D. Tor. Prof.
1 Lectr., 2 Instrs., 1 Asst.

Physical Education

Zeigler, E. F., A.M., Ph.D. Yale Dir. and Prof.

Assistant Professors

Fairs, J. R., B.Sc., A M. Col.
Gowie, K. D., M.A. N.Y.
L'Heureux, W. J., B.A.
4 Lectrs., 5 Instrs.

Physics

Misener, A. D., Ph.D. Camb., F.R.S.C. Prof.
Dearle, R. C., M.A., Ph.D. Tor. Research Prof.
Allen, R. L., M.A. Mt. All. Prof.
Durnford, A. M. I. A. W., Ph.D. Tor. Assoc. Prof.
Tull, E. H., M.Sc. Asst. Prof.
Blackwell, J. H., Ph.D. Asst. Prof.
Brannen, E., Ph.D. McG. Asst. Prof.
Nicholls, R. W., Ph.D. Lond., F.R.A.S. Asst. Prof.
2 Lectrs., 6 Assts.

Psychology

Turner, G., Ph.D. Tor. Assoc. Prof.
Neal, Leola, Ph.D. Tor. Assoc. Prof.
Wright, Mary, Ph.D. Tor. Asst. Prof.
2 Lectrs., 1 Instr., 1 Asst.

Russian Studies

Ignatieff, L., B.A. McG., M.A. Mich. Assoc. Prof.

Secretarial Science

Gillespie, Mary, A.M. Col. Prof.
Chapman, Mrs. C. B., B.A. Asst. Prof.
1 Instr., 1 Asst.

Zoology

Brown, A. W. A., M.B.E., B.Sc.F., M.A., Ph.D. Tor. Prof.
Battle, Helen, M.A., Ph.D. Tor. Prof.
Judd, W. W., Ph.D. Tor. Assoc. Prof.
Scott, D. M., Ph.D. McG. Assoc. Prof.
Stinson, R. H., B.A. McM., Ph.D. Tor. Asst. Prof.
5 Hon. Lectrs., 4 Assts.

Medicine

Anæsthesia

Blezard, J. A., M.D., C.M. Qu. Prof.
2 Sr. Associates, 9 Instrs.

Anatomy

Skinner, H. A., M.B. Tor. Prof.
Barr, M. L., M.Sc., M.D. Prof
2 Hon. Lectrs., 5 Instrs., 5 Assts.

Bacteriology and Immunology

Murray, R. G. E., M.D., C.M. McG., M.A. Camb. Prof.

Robinow, C. F., M.D. Hamburg
Assoc. Prof.
1 Hon. Lectr., 2 Lectrs., 3 Assts.

Biochemistry

Rossiter, R. J., B.Ch., D.M., M.A., D.Phil. Oxon., B.Sc., F.R.I.C. Prof.
De Luca, H. A., M.A., Ph.D. McG. Assoc. Prof.
Heagy, F. C., Ph.D. Asst. Prof.
2 Hon. Lectrs., 4 Assts.

Biophysics

Burton, A. C., Ph.D. Tor Prof.
4 Assts.

Histological Research

Macklin, C. C., Ph.D. Tor., F.R.S.C. Research Prof.

Medical History and Literature

Taylor, N. B., M.D. Tor., F.R.C.S., F.R.C.P.Can., F.R.S.C. Prof.

Medical Research

Collip, J. B., C.B.E., M.A., Ph.D. Tor., D.Sc. Alta., Harv. and Oxon., M.D. Alta., Laval, LL.D. Manit., Qu., Alta., F.R.C.P. Can. and Lond., F.R.S.C., F.A.C.P., F.R.S. Prof. and Hd. of Dept.
Noble, R. L., M.D. Tor., Ph.D., D.Sc. Lond. Prof.
Paterson, J. C., M.D. Tor., B.Sc. (Med.) Prof.
Begg, R. W., M.Sc. Assoc. Prof.
Engel, C. R., D.Sc. Zür. Asst. Prof.
Carroll, K. K., Ph.D. Asst. Prof.
2 Hon. Lectrs., 4 Lectrs., 6 Assts.

Medicine

Professor

Brien, F. S., B.A., M.B. Tor., F.R.C.P.Can.

Assistant Professors

Duffy, J. L., M.D., C.M. McG.
Geddes, J. H., M.D.
Lewis, J. A., M.D.
Manning, G. W., M.D., M.A., Ph.D. Tor., F.R.C.P.Can.
Sharpe, W. C., M.B. Tor.
7 Assocs., 19 Instrs., 6 Teaching Fellows, 3 Assts.

Medicine, Clinical Preventive

Hobbs, G. E., B.A., M.D. Tor., M.P.H. Mich.
M. F. Fallon Memorial Prof.
3 Lectrs., 8 Instrs.

Medicine, Physical and Rehabilitation

Coffey, T. H., D.P.E., M.D., C.M. McG. Prof.
1 Instr.

Nursing

McDowell, Edith M., B.Sc., A.M. Col. Dean.
King, Frances, A.M. Col. Assoc. Prof.
McLean, Margaret, B.Sc. N., A.M. Col. Assoc. Prof.
Kenny, Morna, B Sc. Col. Asst.
18 Lectrs.

Obstetrics and Gynæcology

Tew, W. P., M.B. Tor., F.R.C.S. Ed. and Can., F.R.C.O G. Prof.
Clegg, F. R., M.D. Assoc. Prof.
3 Sr. Assocs., 1 Instr., 3 Assts.

Ophthalmol., Otol., Rhinol. and Laryngol.

Thompson, C. A., B.A., M.D., C.M. McG. Asst. Prof.
4 Instrs.

Pædiatrics

Little, H. S., M.B. Tor., F.R.C.P. Can. Prof.
2 Sr. Assocs., 4 Instrs.

Pathological Chemistry

Watson, E. M., M.Sc., M.D., F.R.C.P. Ed. and Can. Prof.

Pearce, R. H., Ph.D. Asst. Prof.
2 Assts.

Pathology

Fisher, J. H., M.Sc., M.D., F.R.C.P.Can. Prof.
Luney, F. W., M.D., D.P.H. Assoc. Prof.
2 Lectrs.

Pharmacology

Waud, R. A., Ph.D. Chic., M.D., M.Sc. Prof.
Gowdey, C. W., D.Phil. Oxon., M.Sc. Assoc. Prof.
2 Assts.

Physiology

Stevenson, J. A. F., M.A., M.D., C.M. McG. Prof.
Stavraky, G. N., M.D. Odessa, M.Sc., M.D., C.M. McG. Prof.
2 Hon. Lectrs., 2 Lectrs., 1 Instr., 9 Assts.

Psychiatry and Preventive Medicine

Hobbs, G. E., B.A., M.D. Tor., M.P.H. Mich. Prof.
Buch, Carol, M.D., Ph.D., D.P.H. Lond. Asst. Prof.
2 Lectrs., 3 Sr. Assocs., 10 Instrs., 4 Assts.

Radiology

Bartelink, D. L., M.D. Amst. Prof.
Smith, I. H., M.D., M.Sc., F.R.C.S. Assoc. Prof.
1 Sr. Assoc., 5 Instrs.

Surgery

McLachlin, A. D., M.D., D.Sc., D.Phil. Oxon., F.R.C.S. Prof.
Grace, A. J., M.A., B.M., B.Ch. Oxon., F.R.C.S. Assoc. Prof.
Foucar, H. O., B.A., M.D. Asst. Prof.
Johnston, R. A., M.D. Asst. Prof.
Ross, C. C., M.D. Manit., F.R.C.S. Ed. Asst. Prof.
2 Sr. Assocs, 4 Instrs. (Surg.).

ADMINISTRATIVE AND OTHER STAFF

Dir. of Univ. Health Services, Helen Rossiter, M.B., Ch.B. Edin. Dean of Women, Leola Neal, Ph.D. Tor. Dean of Men, T. L. Hoskin, M.A. Warden of Spencer Hall, Mrs. H. F. Struckett.

AFFILIATED INSTITUTIONS

URSULINE COLLEGE, London, Ont. Dean and Prof. of English—Mother Mary St. James, M.A. Qu. 19 other Profs. and Instrs. in Arts subjects.

WATERLOO COLLEGE, Waterloo, Ont. President—J. G. Hagey, B.A. 29 Profs. and Instrs. in Arts Dept.

ST. PETER'S SEMINARY COLLEGE OF ARTS, London, Ont. Rector—Mgr. A. P. Mahoney. 11 other Profs. of Arts subjects.

MUSIC TEACHERS' COLLEGE, London, Ont. Director—H. Robb, D.D.S. Tor. 5 other Profs. and Instrs. in Music. Dr. Robb is also Principal of W. Ontario Conservatory of Music.

The above five Colleges give the full 4-yr. Arts Courses.

ALMA COLLEGE, St. Thomas, Ont., is a Junior Coll., giving the first yr. in Arts only. Principal—Mrs. Steele Sifton, B.A. Tor., B.Ed. Sask.

HURON COLLEGE, London, Ont., is a theological coll.. Principal, Prof. of Divinity, Philos. and Ethics—Rev. W. R. Coleman, M.A. Tor., D.D. Wycliffe. Other teachers not on staff of the Univ.: Rt. Rev. W. T. T. Hallam, M.A.,

K.C.N.S., D.D. Tor., LL.D. Sask., Prof. of N.T. and Practical Theol.; Rev. T. R. Millman, Ph.D. McG., Prof. of Church Hist.; Rev. R. K. Harrison, B.D., M.Th., Ph.D. Lond., Prof. of O. T. and Hebrew; Rev. R. P. D. Hurford, D.D. Wycliffe, Instr. in Systematic Theol.; Rev. A. H. Crowfoot, M.A. Camb., D.D. Lond., Lectr. in Church Hist.; Alice L. I. Graves, Lectr. in Homiletics; K. Ansdell, Lectr. in Church Music.

GENERAL INFORMATION

Incorporated by an Act of the Provincial Legislature in 1878 as the "Western University of London, Ontario," in connexion with the Church of England, the Univ. has become, under the provisions of amending Acts of 1908 and 1923, absolutely undenominational in its government, which is under provincial and municipal control. It consists of 4 divisions of the Univ. proper, the Coll. of Arts and Science (University College), the Medical School, the School of Nursing and the School of Business Administration, as well as the Affiliated Instns. listed above.

CONSTITUTION. The Univ. Senate is responsible for academic affairs, while the Bd. of Governors controls financial affairs. The President and Vice-Chancellor is Chairman of the Senate and a member of the Bd. of Governors.

INCOME (1952–53). Total income, $1,801,543 (Student Fees, 38·73 per cent.; Investment Income, 1·07 per cent.; Govt. Grants, 49·81 per cent.; Other Grants and Gifts, 1·94 per cent.; Other Revenue (Sundries), 3·46 per cent.; Auxiliary Enterprises (net) and Athletics, 4·99 per cent.).

FACULTIES AND SCHOOLS. Arts and Science, *Dean*—Prof. F. Stiling; Medicine, *Dean*—J. B. Collip; Nursing, *Dean*—Prof. Edith M. McDowell; Business Administration, *Actg. Dean*—F. W. P. Jones.

ADMISSION. *See* Appendix I.

DEGREE COURSES. 4 or 5 yrs. (from Jr. Matricn.), B.A. or B.Sc.; 5 yrs., B.Sc. (in Nursing); 1 or 2 yrs. of graduate work, LL.M., M.A., M.B.A., M.Sc.; 3 yrs. of graduate work, Ph.D.; 6 yrs., M.D.; 5 yrs. of clin. and grad. study, M.Cl.Sc. Attendance on part of the classes (other than Med. and Sci.) may be dispensed with by permission of the Senate, but all students must have attended lectures in the Univ. for at least 2 yrs. before they graduate.

HONORARY DEGREES. D.C.L., LL.D., D.Sc., D.Litt., Mus.D., D.D.

DIPLOMAS. Business Administration; Journalism; Music (Pedagogy), 2-yr. course in Music Teachers' Coll.; Home Economics, 2-yr. course; Public Health Nursing (D.P.H.N.); Nursing Education (D.N.E.); each course 1 yr., for graduates in respective fields.

FEES. Annual: Arts, $310-$350; Medicine, $550; Nursing, $350; Business Admin., $380.

The LIBRARIES contain about 200,000 vols. and several thousand pamphlets. The Barnett collection contains many rarities dealing *inter alia* with Canadian and American history. The Shakespeariana number about 1500 vols. and several thousand pamphlets.

CORRESPONDENCE AND EXTENSION WORK in winter sessions in some General Course subjects, offered mainly for teachers and other adult students, either as credit courses towards degrees or as non-credit cultural courses. No degree is earned entirely in the Extension and Correspondence Division, without attendance at winter or summer sessions.

The SUMMER SCHOOL has approx. 600 students taking courses for degrees, some in London on the main campus and some at the English-French Summer School at Trois-Pistoles, Quebec.

LABORATORY. The J. B. Collip Res. Lab. 8 TEACHING HOSPITALS in London (Victoria, St. Joseph's, St. Mary's, War Memorial Children's, Bethesda, Ontario, Beck Memorial San., Westminster (Veterans)).

STUDENT RESIDENCES. Spencer Hall, London Township (for women), Brescia Hall (Ursuline Coll. women), Huron Coll. (Huron Coll. and Univ. Coll. men), fraternity houses and sorority houses for men and women above the freshman level.

The ALUMNI ASSOCIATION assumes some responsibility for the placement of graduates. The Dean of Men, however, supervises a placement service for summer and for permanent employment, and the School of Business Admin. has its own Placement Bureau.

THE DEPT. OF MILITARY STUDIES offers training in the University Naval Training Division, or the R.C.A.F. University Squadron or the Canadian Officers' Training Corps.

PUBLICATIONS. *Arts and Science Announcement* (May); *Medical School Announcement* (Aug.); *The Business Quarterly*; *Medical Journal*; *Univ. Gazette*, once a week during term; *Occidentalia* (May); *Admissions Handbook* (April); *School of Business Admin. Announcement* (May); *Fac. of Graduate Studies Announcement* (May); *Directory and Student Handbook* (Nov.); *Folio* (student literary publicn., Dec. and April).

THE YEAR 1952–53 (75TH ANNIVERSARY YEAR)

PRINCIPAL BENEFACTIONS. Increase of $75,000 in Current Maintenance Grant of Prov. of Ont. for Provincial fiscal yr. commencing April, 1953, brought annual grant to $625,000. Sp. Capital Grant of $525,000 received from Prov. of Ont. $38,000 from Mrs. Edna Jeffery utilized for construcn. of memorial entrance to Univ. Ave.; Fred K. Morrow Foundation, $26,000 for R. D. Defries Lab. Fund for Fac. of Med.; grants-in-aid and contracts from foundations and outside organizations for res.: $547,474 (including Defence Res. Bd., $138,943; National Res. Council, $90,967; National Health Grants, $82,217; National Cancer Inst., $55,070; U.S. Air Force, $47,714; Res. Council of Ont., $16,142; J. and M. R. Markle Foundation, $12,065).

NEW DEPARTMENTS. Dept. of Anat. divided into two sep. depts.: Gross Anat. and Microscopic Anat.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Dr. D. W. Logan, Lond.; Sir Stanford Cade, Prof. B. W. Windeyer, Middlesex Hosp., Lond.; Emer. Prof. A. Brown, Tor.; Prof. N. J. Eastman, Johns H.; Dr. R. A. Moore, Wash. (St. Louis); Dr. G. P. Gilmour, McM.; Prof. R. A. McCance, Camb.; Dr. G. Rosen, Col.; Prof. Wm. John Hamilton, Charing Cross Hosp. Med. Sch.

RETIREMENTS. Prof. Elizabeth R. Laird (Phys.); Prof. C. C. Macklin (Histol. Res.); Prof. G. H. Stevenson (Psychiatry).

RESIGNATIONS. O. W. Anderson (Clinical Prev. Med.) apptd. Res. Dir. of Health Information Foundation, N.Y.C.; A. G. Bogue (Assoc. Librarian, also Econ. and Hist.); Prof. R. Philip (Clin. Psychol.); Prof. A. L. Hilliard (Philos.).

DEATHS. Dr. D. W. Crombie (retd. Asst. Prof. of Med.); Dr. W. N. Hardman (Instr. in Anaesthesia); Dr. F. W. Hughes (retd. Asst. Prof. of Med.).

HONORARY DEGREES (75th Anniversary Ceremonies). *D.Litt.*—H.E. the Governor-General of Canada, Vincent Massey. *D.C.L.*—D. W. Logan, Principal of Univ. of London. *LL.D.*—W. F. Barfoot, Primate of Church of England in Canada, Sidney Smith, Pres. of Toronto Univ. 1952: *LL.D.*—L. B. Duff, Canadian author and lectr.; L. Wheelton, retired School Administrator; Hon. E. C. Drury, former Premier of Ont.; H. Major, outstanding journalist of French-Canada. *D.Sc.*—C. C. Macklin, Prof. and retiring Hd. of Dept. of Histol. Res. *D.Litt.*—H. MacLennan, Canadian novelist and Prof. of Engl. Lit. *D.D.*—Most Rev. R. J. Renison, Anglican Archbishop of Moosonee.

STUDENT NUMBERS.

	Full-Time	*Part-Time**
Men	2115	923
Women	679	989
Total	2794	1912

Postgraduate students, 179.

New admissions, 1638.

Students from other countries: 273. (Country from which largest number came: U.S.A., 217.)

DEGREES. Ph.D., 7; M.Sc., 33; M.B.A., 16; M.A., 13; LL.B., 1; M.D., 61; B.A., 530; B.Sc., 29; B.Sc.N., 26; B D., 3.

DIPLOMAS. Bus. Admin., 21; Home Econ., 1; Music, 29.

CERTIFICATES. Pub. Health Nursing, 17; Instr. in Nursing, 13.

* Many of these part-time students are teachers taking Extension and Summer Session courses.

AUSTRALIA

UNIVERSITY OF ADELAIDE (p. 980)
AUSTRALIAN NATIONAL UNIVERSITY (p. 992)
UNIVERSITY OF MELBOURNE (p. 998)
UNIVERSITY OF NEW ENGLAND (p. 1019)
NEW SOUTH WALES UNIVERSITY OF TECHNOLOGY (p. 1024)
UNIVERSITY OF QUEENSLAND (p. 1031)
UNIVERSITY OF SYDNEY (p. 1041)
UNIVERSITY OF TASMANIA (p. 1062)
UNIVERSITY OF WESTERN AUSTRALIA (p. 1068)
CANBERRA UNIVERSITY COLLEGE (p. 1076)

THE UNIVERSITIES OF AUSTRALIA

[Contributed in September 1953 and revised in 1954 by A. J. T. Ford, M.C., B.Ec., Secretary of the Australian Vice-Chancellors' Committee.]

GENERAL DESCRIPTION

UNIVERSITY education in Australia had its origins a little over a hundred years ago when Universities were founded in New South Wales, the University of Sydney (1850), and in Victoria, the University of Melbourne (1853). In the other states Universities were founded as follows: in South Australia, the University of Adelaide (1874); in Tasmania, the University of Tasmania (1890); in Queensland, the University of Queensland (1909); and in Western Australia, the University of Western Australia (1911).

These Universities, though geographically widely distributed, nevertheless form a relatively homogeneous group owing to their general similarity of origin and constitution and to their relationship to the communities which they serve. All of them were established by Acts of the respective State Legislatures carried through in response to popular demands, in some cases with considerable financial assistance from private benefactors. They all receive substantial grants from the Commonwealth and State Governments, which have played an important part in their development. Like the British Universities generally, they are, by statute or Royal Charter, self-governing academic corporations.

The next in order of foundation was the Canberra University College, established at Canberra in 1930 by an enactment of the Commonwealth Government to provide educational facilities at University standard in the newly developing Commonwealth capital. The Canberra University College is associated with the University of Melbourne, which is the examining and degree-conferring body. This was followed in 1938 by the establishment, at Armidale on the Northern Tablelands of New South Wales, of the New England University College as a college of the University of Sydney. In 1954 independence was granted to the New England University College under an enactment of the New South Wales State Government so that it then became the autonomous, degree-granting University of New England. Both the Canberra University College and the University of New England conform to the general pattern of the other Universities, though the scale of facilities and the range of studies available are smaller.

In recent years two new Universities, both of which constitute departures from the traditional University pattern, have been established. The first of these, the Australian National University, was established at Canberra by an Act passed in 1946 by the Federal Parliament. The other, the New South Wales University of Technology, was incorporated by an Act of the New South Wales Parliament in 1949.

The Australian National University is a University of a special type as its activities are directed primarily to research work at the postgraduate level. The Australian National University Act provides

specifically for the establishment within the University of the John Curtin School of Medical Research, a Research School of Physical Sciences, a Research School of Social Sciences, and a Research School of Pacific Studies. Considerable progress has now been made in the development of the University, though some delay has been occasioned by present building difficulties. With the exception of the Department of Medical Chemistry, which is located in London, all the departments of the University are functioning in Canberra, and postgraduate students are being accepted to study for higher degrees.

The New South Wales University of Technology is also an institution of a special nature. The objects of the University are to provide facilities for higher specialized training in the various branches of technology and science in their application to industry and commerce, and to aid through research the development and application of science to industry. With these objects in view, courses provide for extensive practical experience in industry under the supervision of the University. However, to provide a wider experience in undergraduate courses all first degree students are required to take courses in language, literature, philosophy and the social sciences. Power to decentralize the University's activities, both in its co-operation with industry and in its teaching services, is given to the University Council, and it was under this authority that a College of the University was established at Newcastle in 1951. By arrangement with the University of New England instruction in Arts subjects is given at Newcastle University College by staff of the School of Humanities and Social Sciences. Students taking these subjects may proceed to the degree of Bachelor of Arts of the University of New England.

CONSTITUTION OF UNIVERSITIES. A. *Governing Bodies.* The governing bodies in the Australian Universities are designated either the " Senate " (Sydney, Queensland, Western Australia) or " Council " (Melbourne, Adelaide, Tasmania, New South Wales University of Technology, Australian National University, New England and Canberra University College). In their statutory constitution they present (except for the Council of the New South Wales University of Technology, *see below*) a generally similar composite character, while differing in the proportions of the component elements. Their membership varies in number from 18 to 32.

In every case there is a substantial proportion of representatives elected by the general body of graduates, varying from one-third to more than one-half of the total membership, but only in Adelaide does it form the preponderant element. In every University there is a more or less direct representation of the State on the governing body, either by nomination by the Governor-in-Council or by election by the Houses of Parliament, and in three cases by *ex-officio* representation of the State Departments of Education. The Melbourne University Act of 1923 introduced a novel provision in that the Government nominees now include representatives not only of Parliament but of manufacturing, commercial, agricultural and industrial interests, and a representative of the technical schools. The governing bodies invariably

include representatives of the teaching staff, in some cases by independent statutory right and elsewhere as part of the general representation of the academic body elected by the graduates. Usually provision is also made for the election of representatives of the undergraduate body.

The Council of the New South Wales University of Technology differs from the governing bodies of the other Universities in that there is only one representative elected by graduates of the University. The Council comprises representatives of Parliament, industry and commerce, trade unions, technical education, professional bodies, the University of Sydney, and of the University's teaching staff, graduates and undergraduates.

B. *Graduate Academic Bodies.* As in the British Universities generally, there is in each of the Australian Universities, with the exception of the New South Wales University of Technology, another statutory academic body, consisting in the main, though not in all cases exclusively, of the general body of graduates. In those Universities in which the governing body is entitled Senate, the graduate body is called either Convocation or Council. When the governing body is styled Council, the graduate body is usually called the Senate, but at Melbourne, the Australian National University, and New England it is known as Convocation.

Whilst the main effective function of this body is its electoral choice of its own representatives on the governing body, it has also, in several Universities, powers (often exercised through a Standing Committee) of deliberation, approval and confirmation in respect of matters submitted to it and in some instances of suggestion, but in no case of initiation, of University legislation.

C. *Other Administrative Bodies.* The general routine of studies and discipline is usually controlled by a " Professorial Board," whilst the special curricula of studies are the immediate concern of the Faculties and special Boards of Studies. Matters of discipline are in one or two instances dealt with by a special Proctorial Board or Board of Discipline.

FINANCES. The usual sources of revenue for the Universities established under State Acts have comprised, in addition to the grants from the respective State Governments referred to previously, income from students' fees and by way of donations or from endowments. However, in recent years the Commonwealth Government has also provided financial assistance to the Universities. This assistance took the form initially of grants to stimulate research in the Universities, and later the Universities were substantially subsidized to assist them to provide the facilities and staff necessary for the training of ex-Servicemen and women under the Commonwealth Reconstruction Training Scheme.

When the number of students attending the Universities under the Commonwealth Reconstruction Training Scheme began to decline in 1950, it became apparent that the consequent reduction in subsidies to the Universities would cause them serious financial difficulties.

The Commonwealth Government accordingly appointed a Committee to enquire into the needs of the Universities both immediate and for long-term development. As a result of the interim report submitted by this Committee the Commonwealth Government enacted legislation which provided for grants to the States for University purposes commencing in July 1950. Under the States Grants (Universities) Act, 1953, provision was made for payment of grants to the States for University purposes in 1953 and 1954 of from £A868,512 to £A1,517,684 p.a.

Grants to the Australian National University and the Canberra University College are made by the Commonwealth Government.

RESIDENTIAL COLLEGES. The founders of the first Australian Universities appear to have been influenced by the conception of a University which is embodied in the ancient residential foundations of Oxford and Cambridge. No doubt this could be attributed in part to the fact that they were contemplating Universities which were to serve the large, and comparatively thinly populated areas of the several Australian Colonies (long before their federation as States of a Commonwealth). Provision was therefore made at the outset for the establishment of residential Colleges which were conceived as religious foundations. These were entrusted to the Churches of the leading Christian denominations, namely, Church of England, Presbyterian, Methodist and Roman Catholic. The first Colleges provided for men, but not long after the founding of Colleges for women at Oxford and Cambridge, provision for residence of women students was made at Sydney and Melbourne. The Colleges in all the Universities are open to all students of good standing, without distinction of religious belief.

In order to understand the place which the College system occupies in the Australian Universities, it should be remembered that, while membership of a College implies membership of the University to which the College belongs, membership of the University does not necessarily imply membership of any of its Colleges. College tutorials are, therefore, supplementary to the teaching which the University provides for all its students (whether members of a College or not) and in consequence vary considerably from University to University. There is also considerable variation in the scale of College fees.

For a list of the Colleges and College fees payable *see under* the several Universities below.

The University of New England is different from the other institutions in that it provides accommodation for most of its students, who are drawn chiefly from the northern part of N.S.W. Unless their homes are in Armidale, students attending the University must take up residence.

University House at the Australian National University, opened early in 1954, provides accommodation for single students and for some staff members. In addition, it provides up-to-date club facilities for members of the University.

The New South Wales University of Technology established a Student Hostel at Kensington, Sydney, in 1953. The Hostel provides accommodation for approximately 200 students.

FEES AND COST OF LIVING. The cost of living varies a good deal in different parts of Australia, but a student should be able to manage on £A450-£A500 a year. Board and lodging should not cost more than £A5 a week, and meals can generally be obtained at the Universities by members of " Unions " and others at a cost of from 3s. to 5s. Sydney University Union has a refectory seating 450, and one-half of it is open to all members of the University and their guests. Adelaide University has a refectory seating 400, Melbourne has a Union building containing dining-rooms seating 700, and Western Australia has at present accommodation in its dining-rooms for about 200. A fully developed Union at an Australian University also provides all the comforts of a non-residential club for a membership fee ranging from £A1 to £A3 : 13s. 6d. a year. In Adelaide there is a compulsory fee of £A6 : 10s. a year which covers membership of the Union, Sports Association and the Health Service. Facilities for rowing, football, cricket, field hockey and other games are provided by the Sports Clubs for correspondingly moderate fees, and numerous inter-varsity contests are held in vacations under the auspices of the Australian Universities' Sports Union.

Residence at a College is optional, except at New England and at the Australian National University, where unmarried students are required to reside in University House. College fees, which are entirely separate from University fees, are on an inclusive basis for residence and tutorial assistance, and range from £A100 to £A208 per annum. Special arrangements can usually be made for residence during vacations, an additional charge then being made. Many students live in College on a total income of something less than £A450 a year. Several of the Colleges have liberal endowments for Scholarships and Bursaries.

For University fees *see under* the several Universities *below*.

ADMISSION. *See* Appendix I.

THE ACADEMIC YEAR. Undergraduate status is ordinarily defined in terms of academic years of study, *e.g.* " first year," " fifth year," etc.

The academic year begins in March and ends in November or December. It is subdivided into Terms, usually three, which may, or may not, include special examination periods. The Universities of Melbourne and Tasmania and the Canberra University College have each four Terms, but the fourth Term in these cases is devoted to examinations.

The New South Wales University of Technology provides a number of courses which operate for two terms only each year—March to September. During the remaining five months of the year, students gain practical experience in industry under the supervision of the University.

Although the inclusive dates of the terminal periods show some discrepancy in the different Universities, arrangements have been made to secure the coincidence of a substantial part of the inter-term vacations.

PERIODS OF STUDY. The Universities require not less than 3 yrs.' study for a B.A. or B.Sc.—in most cases, 4 yrs. if taken with Honours. The curriculum for the first degree in Medicine covers 6 yrs. The time

needed to graduate in Law is usually 4 yrs., but some Universities allow graduates in Arts to shorten the prescribed period. Since regulations do not always require each successive " year " to be taken as a whole, but allow credit to be given for subjects taken separately, many students, especially those able to give only part-time to their studies, spread their courses over periods longer than the normal. For information regarding other degrees and periods of study therefore, *see under* the several Universities.

CURRICULA AND COURSES. In general, it may be said that the character and range of studies in the Australian Universities correspond fairly well with those of British Universities of comparable size and organization. The subdivision of University studies into groups, under Faculties and Boards of Studies has, however, been carried further than is usual in British Universities. There has thus been a considerable accession of new Faculties beyond those traditionally recognized. The general principle has been largely, though not consistently, adopted that any definite and distinct curriculum, leading up to the award of a distinctive degree or degrees, warrants the creation of a separate and distinct Faculty as a Board for the regulation of the studies and examinations in such a curriculum. Concurrently with this development there has been a marked tendency to the specialization and multiplication of distinctive degrees, so that in some cases, even within the one Faculty, several distinctive degrees are obtainable along more or less differentiated lines of study.

A conspicuous instance of this is seen in the Faculty of Engineering in Melbourne, in which no fewer than fourteen different degrees may be awarded as Bachelors and Masters of different branches of engineering —Civil, Mechanical, Electrical, Mining, Metallurgical, and Chemical, Bachelor of Surveying and Master of Engineering Science—besides a Doctorate of Engineering.

For detailed information about the courses at any individual University, *see under* the several Universities *below* or refer to the Calendar or Handbook published by that University.

The following provides in the first place an outline of the nature of the courses available at the Universities of the six states. Later a separate reference is made to the courses at Canberra University College, the University of New England, the Australian National University, and the New South Wales University of Technology.

Each of the Universities of the six states possesses Faculties of Arts, Science, Law and Engineering. All except Tasmania have Schools or Faculties of Agriculture.

Sydney and Queensland have Schools of Veterinary Science organized as separate Faculties. Melbourne, Western Australia, Adelaide and Tasmania provide only the first year of a Veterinary Science course in the Faculty of Science.

Sydney and Adelaide each have a separate Faculty of Economics, but as neither University has a Faculty of Commerce, all the various branches of both Economic and Commercial Studies are included in the Faculty of Economics. In Tasmania the position is reversed, as there

is a Faculty of Commerce in which both Economic and Commercial Studies are included. In Melbourne there is a Faculty of Economics and Commerce, and in Queensland there is a Faculty of Commerce. In each of the Universities (including Western Australia), the subject of Economics is represented by a separate Professorship, and Economics is ordinarily included as a subject which may be taken for an Arts degree.

In Sydney, Melbourne and Queensland there are Faculties of Architecture. At Adelaide there is a special course in Architecture within the Faculty of Engineering. In Melbourne and Queensland, courses within the Faculty of Engineering lead to degrees in Surveying.

Melbourne and Adelaide have each a Faculty of Music with a full Professorship and a Conservatorium. In Adelaide, apart from the course for the degree of Mus.Bac., a candidate may take Music as one of his two three-year subjects for the degree of B.A. In Sydney there is a Conservatorium entirely independent of the University, which has, however, a Chair of Music in the Faculty of Arts. In Western Australia there is a readership in Music in the Faculty of Education. In Tasmania, Music is not taught, but a student who passes prescribed grades of the Examinations conducted by the Australian Music Examinations Board may be given credit for Music as a first-year Arts subject. In Queensland, Music may be taken as a subject of the first year of the B.A. course.

Melbourne and Queensland have Faculties of Education granting University degrees of Bachelor and Master of Education, previous qualification for another degree being a condition of entrance to the Education course. In each case, the Faculty contains several representatives of the State Department of Education. Tasmania has a Faculty of Education, having taken over the training of teachers from the State Education Department in 1948. A diploma of Education (available to graduates only) and a certificate for non-graduates are offered. Western Australia grants a first degree in Education, and recently established a postgraduate teachers' certificate course open to graduates of Western Australia or other approved Universities. Bachelors of Education may also proceed to the degree of Master of Education. In the other Universities, the subject of Education comes under the Faculty of Arts and enters into the composition of such alternative curricula for the Arts degrees as are specially adapted to the requirements of the professional training of teachers. Sydney now grants a degree of Master of Education, which may be awarded to graduates in other Faculties of not less than three years' standing who present a satisfactory thesis and pass an examination dealing with advanced work in education. The Professors of Education are usually, but not always, associated with the State Training Colleges. Special diplomas in Education are obtainable in the Universities of Sydney, Melbourne, Adelaide and Queensland by University graduates.

Courses in Physical Education controlled by a Board of Studies and leading to a diploma are now available in each of the larger Universities except Sydney. A course in Physical Education is now given in Western Australia as an optional part of the Bachelor of Education degree course.

The University of Sydney made provision for the study of Theology in 1937 and Sydney now has courses leading to the degree of Bachelor of Divinity and may confer the degree of Doctor of Divinity. In 1953 the University of Queensland established courses in Divinity: a degree course of three years' duration and a diploma course requiring a minimum of two years' study.

The University of Sydney established a Chair of Oriental Studies in 1918, which has been vacant since 1949 but is shortly to be filled.

Canberra University College conducts courses in Arts, Law and Commerce. Students comply with entrance conditions of the University of Melbourne, take the examinations and obtain the degrees of that University. The College has a School of Oriental Languages in which three-year courses in both Chinese and Japanese are available as part of an Arts degree. Russian, which is also a language of the Arts course, is taught within this School. The College provides a one-year's course in Australian Literature as a subject of the Arts course.

The University of New England has Faculties of Arts and Science granting degrees of Bachelor and Master. Graduate students may take the course for the diploma in Education.

Students of the Australian National University may normally proceed (after three years' work) to the Ph.D. in any of the schools of Medical Research, Physical Sciences, Social Sciences and Pacific Studies, or, alternatively, to an M.A. or M.Sc. in the appropriate field (usually after two years' work).

The New South Wales University of Technology at present has Faculties of Applied Science, Architecture and Engineering and provides undergraduate courses leading to degrees in Science (Applied Physics, Applied Chemistry, Chemical Engineering, Industrial Chemistry, Food Technology, Applied Biology, Leather Chemistry, General Science, Metallurgy, Wool Technology and Optometrical Science), Engineering (Civil, Electrical, Mechanical, Mining and Geology) and Architecture. A number of these courses may be taken on a part-time basis. Postgraduate courses are also provided, leading to the degrees of Master of Science or of Engineering, or Doctor of Philosophy.

The Universities of Melbourne, Sydney, Western Australia, Adelaide, and Queensland have established the degree of Doctor of Philosophy, for which graduates of certain standing are eligible upon the successful completion of a full-time course, generally of at least two years' advanced study and research in the University. The University of Tasmania and the New South Wales University of Technology provide courses for the degree of Doctor of Philosophy for graduates in Science and Engineering only, and some other Universities have similar Faculty limitations.

PROFESSIONAL SCHOOLS AND RESEARCH INSTITUTES. The Universities of Sydney, Melbourne, Adelaide and Queensland each possess well organized and equipped professional Schools under their Faculties of Medicine and Dentistry. These Schools have long been, and are now, mainly responsible for the training of the medical and dental professions in Australia. In Western Australia a Faculty of Dental

Science was established in 1946 and the establishment of a medical school is under consideration.

The Universities of Sydney and Melbourne appoint Clinical Supervisors to each of the Teaching Hospitals to co-ordinate the clinical training of students. Thus an extensive and varied clinical field is secured, not only for undergraduate training, but in increasing measure for more advanced and specialized postgraduate study and research in conjunction with the scientific laboratories of the Universities and other research institutions. Many postgraduate diploma courses are offered, including diplomas in Psychological Medicine, Dermatological Medicine and Clinical Pathology at Sydney, and Australian diplomas in Public Health and Tropical Medicine and Hygiene from the School of Public Health in the University of Sydney Both Sydney and Melbourne Universities grant diplomas in Ophthalmology, Laryngology and Otology, in Gynæcology and Obstetrics, in Therapeutic and Diagnostic Radiology and in Anæsthesia.

A Biophysics Section was established in Queensland in 1937 to manufacture radon and to carry out other work in connexion with the treatment of cancer. In Adelaide, the Anti-Cancer Campaign Committee maintains a radium and deep X-ray clinic at the Royal Adelaide Hospital, and a plant at the University for the production and manipulation of radon. Under an arrangement with the University of Melbourne the Commonwealth Government maintains there an X-ray and Radium Research Laboratory. At the University of Sydney a group of young members of the staffs of the medical and allied departments are continuing fundamental work on cancer and medical research problems which is financed by the Medical Research and Cancer Research funds. A small cyclotron is now under construction in the Physics Department of the University of Melbourne which will be valuable in producing isotopes for medical treatment as well as for work connected with research and teaching in Physics.

In 1925 the University of Adelaide established the Waite Agricultural Research Institute, an important centre for research in agricultural and allied subjects at Glen Osmond, four miles from the city. The University of Western Australia also has an Institute of Agriculture (established in 1938) which serves as a centre for research in Agriculture and is located in the University grounds.

There are various University and associated Research Institutes in Adelaide, Melbourne and Sydney, where investigation is carried on into problems of Pathology, Bacteriology, Pharmacology, Radiotherapy, Cancer Research, Animal Nutrition, Animal Health, Entomology, etc.

DIPLOMAS. Numerous University diplomas are now obtainable in various branches of study in the Universities of Australia. They may be classed under three categories : (*a*) those obtainable by graduates as supplementary qualifications in particular subjects after special courses of study. To this group belong the postgraduate Medical diplomas already mentioned and also certain diplomas in Education ; (*b*) diplomas obtainable by non-graduates after shorter or less comprehensive courses of study than those required for a University degree

covering the same subject. This group includes certain diplomas in Commerce, Public Administration, Agriculture, Engineering, Music and Dramatic Art; (*c*) diplomas in subjects, usually of limited range, for which no special University degree is available, *e.g.* Journalism, Pharmacy, Anthropology, Town and Regional Planning and Social Studies. The present tendency is to reduce the number of sub-graduate diploma courses while extending the range of postgraduate diplomas.

From 1951 the New South Wales University of Technology assumed responsibility for the provision of twenty diploma courses in Engineering, Applied Science and Architecture, which were previously provided by the New South Wales Department of Technical Education. Students attending these courses have matriculated in the University and the courses require five or six years' part-time attendance concurrently with employment in industry. Having qualified for the diploma, the student may be admitted to the appropriate degree course with advanced standing and so proceed to the degree of Bachelor by further part-time attendance over at least two years.

EVENING LECTURES. Full University courses of evening lectures in Arts, and in some cases in Science, Commerce and Law subjects, are provided by the Universities of Adelaide, Melbourne, Sydney, Queensland, and Western Australia and by Canberra University College to enable a degree in those Faculties to be obtained by persons whose occupations preclude their attendance at the University during the day. At the University of Tasmania all lectures in the Faculty of Commerce and some lectures in Arts and Education subjects are given in the evening, while at the University of New England the time-table between 4 P.M. and 6 P.M. is so arranged that teachers and others employed in Armidale or district may undertake courses leading to the B.A. degree. At the New South Wales University of Technology evening lectures are given in each Faculty (viz., Applied Science, Architecture, Engineering). A number of courses, leading to the degree of Bachelor of Science or Bachelor of Engineering, may be taken in full by evening students.

EXTERNAL STUDENTS. Only in special circumstances is external tuition permitted outside a State. Under the Regulations of the Universities of Melbourne and Queensland, attendance at lectures is not compulsory except in specified subjects. (These include most scientific subjects which require laboratory facilities.) It is therefore possible to obtain an Arts degree as an external student. In Western Australia correspondence classes for external students are carried on in most Arts subjects, and in most subjects for the B.Ed. degree, under the guidance of tutors and with the help of a circulating reference library. Melbourne also provides correspondence tuition in certain subjects, but only for students resident in the country districts of Victoria. As from 1955 the University of New England offers external students correspondence courses leading to the B.A. degree. Canberra University College does not accept external students.

The Universities which permit the enrolment of external students, or provide for correspondence tuition, in general limit such facilities to resi-

dents within the State in which the University is situated. Queensland University does provide some external tuition for students in Australian territories outside the Australian continent, and external correspondence tuition has been provided by different Universities to members of the British Commonwealth Occupation Forces in Japan.

In the Universities of Adelaide and Tasmania exemption from some of the lectures of a course may be granted in special cases in which reasonable cause is shown.

In all the Universities there is provision for the recognition, for degree purposes, of various courses of instruction in institutions such as Technical Schools and Colleges.

UNIVERSITY EXTENSION LECTURES. University Extension Lectures were instituted at Sydney University in 1886 and at Melbourne in 1891. In 1913 Workers' Educational Associations were formed in all the States, except in Western Australia, to give effect to a movement for bringing the Universities into closer relationship with the masses of the people. The movement was fostered by State grants and grew rapidly. Apart from Melbourne, where the W.E.A. has been merged in the new Council of Adult Education separately financed by the State Government, and Tasmania, where Tutorial Classes were discontinued some years ago, each University co-operates with the W E.A. in the formation of a joint committee, which appoints tutors and supervises the work with the help of a University officer—the Director of Tutorial Classes. The total number of extension students throughout Australia is over 6000 In addition to these courses, a great many preparatory classes, study circles and summer schools are organized by the Association, numerous courses of public lectures are delivered, educational conferences promoted and an extensive book service is provided. In Victoria, adult education is the responsibility of a statutory Council of Adult Education working in liaison with an Extension Committee in the University. A correspondence study department has been inaugurated in connexion with the Board of Adult Education activities in Queensland. Western Australia has no W.E.A. organization, and the work is under the control of an Adult Education Board representative of University and other interests acting under the University Senate. The Adult Education Board conducts lectures in the city and suburbs and books from the Adult Education Library are available to metropolitan and country subscribers. In addition, the Board organizes Discussion Groups, Music Recitals, Film Shows and performances of Drama and Ballet in town and country areas and conducts an annual Summer School at the University. In Tasmania, adult education is conducted by a statutory Board of Adult Education which is headed by a Director. The University is represented on this Board. At the University of New England the Senior Lecturer in Adult Education organizes education classes and activities in centres widely scattered over the New England region. The extension work of Canberra University College takes the form of a scheme where any person, whether matriculated or not, may attend lectures in most of the subjects taught for degrees for a fee of £3 : 3s. per annum, which does not entitle such students to present

themselves for examinations. In addition, special language courses are provided in German and Italian.

FREE PASSAGES TO EUROPE. Under a generous scheme the member lines of the Australian and New Zealand Passenger Conference provide annually 25 free first-class return passages to graduates of Australian Universities. The participating lines are P. & O., Orient, Shaw Savill & Albion, Aberdeen & Commonwealth, and Blue Funnel. Information about the conditions governing the award of passages may be obtained from Australian University Registrars or from the Secretary of the Australian Vice-Chancellors' Committee, c/o Australian National University, Box 4, G.P.O., Canberra, A.C.T.

OVERSEAS SCHOLARSHIPS. Scholarships or grants-in-aid for study overseas are awarded by individual Universities and by such bodies as the British Council, Carnegie Corporation of New York, Nuffield Foundation, Gowrie Trust and the United States Educational Foundation in Australia (Fulbright Scheme). These scholarships enable selected students to extend their studies in the postgraduate field and are a valuable link between the Universities of Australia and those of England and the U.S.A.

COMMONWEALTH SCHOLARSHIP SCHEME. The Commonwealth Scholarship Scheme, which was established by the Commonwealth Government, came into operation in 1951. Under the Scheme, 3000 scholarships are provided each year for open competition to students who wish to undertake courses at Universities and other approved institutions of higher education. Scholarships are awarded entirely on merit and no regard is paid to the means of the student's parents. Scholars who undertake approved full-time courses on a full-time basis may apply for a living allowance which is payable subject to a means test. Applicants and their parents must be resident in Australia at the time of the award of the Scholarship and must intend to remain permanently in Australia.

INTER-UNIVERSITY ORGANIZATIONS. After a conference held at Sydney in 1920 the Australian Universities established a Standing Advisory Committee to deal with matters of common interest. The office of the Committee, now known as the Australian Vice-Chancellors' Committee, is located at the Australian National University in Canberra. The Committee meets twice a year, usually in March and October, or more frequently should occasion demand. In addition, an annual conference of the Registrars of the Australian Universities is held, usually in August, under the auspices of the Committee. Mr. A. P. Rowe, Vice-Chancellor of the University of Adelaide, is the present Chairman of the Committee, and the Secretary is A. J. T. Ford. Enquiries should be directed to the Secretary, Australian Vice-Chancellors' Committee, c/o Australian National University, Box 4, G.P.O., Canberra, A.C.T.

In order to ensure that a flow of trained personnel from Universities would be sufficient to meet the needs of the country during the war

and post-war periods the Commonwealth Government in 1942 set up the Universities Commission.

Under the Education Act of 1945, which established the Commonwealth Office of Education, the Universities Commission was made a permanent body functioning within the framework of the Commonwealth Office of Education, which provides a Secretariat for the Universities Commission. The Director of the Office of Education, W. J. Weeden, is Chairman of the Universities Commission, which confers from time to time with the Vice-Chancellors' Committee. The Commission has its central office at Grace Building, York Street, Sydney (*postal address*: Box 3879, G.P.O., Sydney), and branch offices in each State (except Tasmania).

The Universities Commission administers the Commonwealth Reconstruction Scheme under which ex-Servicemen are trained at University level, and is responsible for the co-ordination of policy in respect of the Commonwealth Scholarship Scheme. In addition, the Commission advises the Commonwealth Government on such other matters relating to University training as are referred to it for advice.

The Commonwealth Office of Education is, *inter alia*, responsible for the administration of schemes sponsored by the Commonwealth Government for the training at University level of students nominated by participating South-East Asian countries.

In addition, it is responsible for administering the State Grants (Universities) Act under which the Commonwealth makes grants to the States for University purposes.

STATISTICS of University staff, students and finance are published annually in the official Year-Book by the Commonwealth Bureau of Census and Statistics, from which a more detailed bulletin in typescript form may be obtained (*see* p. 1809).

THE UNIVERSITY OF ADELAIDE*

Founded 1874

Postal Address: Adelaide, South Australia.
Telegrams and Cables: University, Adelaide.
Telephone: W. 3211.

VISITOR—H.E. THE GOVERNOR.
CHANCELLOR—The Hon. Sir MELLIS NAPIER, K.C.M.G., LL.B.
VICE-CHANCELLOR—A. P. ROWE, C.B.E., B.Sc. Lond.
REGISTRAR—.....
ASSISTANT REGISTRAR—V. A. EDGELOE, B.A.
LIBRARIAN—W. A. COWAN, M.A. N.Z., B.A. Lond.

TEACHING STAFF

Agriculture, v. Waite Agric. Research Inst., *infra*

Anatomy

Abbie, A. A., M.D., D.Sc. Syd., Ph.D. Lond., F.R.A.C.P. Elder Prof.
Packer, A. D., M.Sc., M.D. Reader.
Murphy, T. Lectr.
Green, Lorna M. A., B.A., B.Sc. (Histol.) Lectr.
Barbour, J. R., M.B., M.S., F.R.C.S. Pt.-time Lectr.

Animal Products, v. Animal Products Research Foundation, *infra*

Bacteriology

..... Prof.
Atkinson, Nancy, O.B.E., M.Sc. Melb. Reader-in-Charge.
McLean, Sibely J., M.Sc. Lectr.
Collins, F. M., M.Sc. Lectr.

Biochemistry and General Physiology

Mitchell, M. L., M.Sc. Camb. Prof.
Nossal, P., M.Sc. Syd., Ph.D. Sheff. Reader.
Johnson, A. R., Ph.D. Leeds Lectr.
Jarrett, I. G., M.Sc. (Agric. B.) Pt.-time Lectr.

Botany

Wood, J. G., Ph.D. Camb., D.Sc. Prof.
Hansford, C. G., M.A., Sc.D. Camb., F.L.S. (Plant Pathol.) Reader.
Womersley, H. B. S., M.Sc. (Cryptogamic B.) Sr. Lectr.
Specht, R. L., M.Sc. Lectr.
Riches, J. P., Ph.D. Camb. Lectr.
Eardley, Constance M., M.Sc. Systematic Botanist.
McCarthy, Doreen F., B.A., B.Sc. (Biol.) Pt.-time Lectr.

Chemistry

Macbeth, A. K., C.M.G., M.A. St. And., D.Sc. Belf., F.R.I.C. Angas Prof.
Jordan, D. O., D.Sc. Lond. (Inorg. and Phys. Chem.) Prof.

* Member of the Association of Universities of the British Commonwealth.

Badger, G. M., Ph.D. Lond., D.Sc. Glas. Reader.
. . . . . Sr. Lectr.
Rodda, H. J., Ph.D. Camb., M.Sc. Sr. Lectr.
Winzor, F. L., D.Sc. Lectr.
Jeffries, P. R., M.Sc. W.Aust., Ph.D. Sheff. Lectr.
West, B. O., B.Sc. Lectr.
Urwin, J. R., B.Sc. Lectr.
Beckwith, A. L. J., B.Sc. W.Aust. Actg. Lectr.
Eberhard, S. T., B.Sc. Pt.-time Lectr.
Gagolski, J., Ph.Mgr. Poland Jr. Res. Fellow.
Milligan, B., B.Sc. I.C.I.A.N.Z. Res. Fellow.

Classics and Comp. Philol. and Lit.

FitzHerbert, J. A., M.C., M.A. Camb. Hughes Prof.
Corney, E. R., M.A. Sr. Lectr.
French, A., M.A. Camb. Sr. Lectr.
Cowan, W. A., M.A. N.Z., B.A. Lond. Pt.-time Lectr.
Strehlow, T. G. H., M.A. Reader in Australian Linguistics.

Commerce and Public Admin.

Mathews, R. L., B.A., B.Com. Melb. (Coml. Studies) Reader.

Part-time Lecturers

Painter, E. W., A.U.A., F.C.A. Aust. (Accountancy).
Pascoe, R. F. (Cost Accountancy).
Sangster, A. K., LL.B. (Coml. Law).
Isaachsen, O.C., LL.B. (Coml. Law).
Zelling, H. E., LL.B. (Coml. Law).
Tillett, A. C., A.U.A. (Pub. Admin.).
Carey, E. J., B.Ec. (Pub. Finance).
6 Pt.-time Tutors.

Dentistry, v. *infra*

Economics, v. also Com.

Karmel, P. H., B.A. Melb., Ph.D. Camb. Prof.
Hirst, R. R., M.Ec. Reader.
Russell, E. A., B.A., B.Com. Melb., B.A. Camb. Sr. Lectr.
Grant, J. McB., M.Ec. Lectr.
Jarrett, F. G., B.Agr.Sc. Syd., Ph.D. Iowa Lectr.
Bailey, A. P., M.Ec. Pt.-time Lectr.

Education

. . . . . Prof.
4 Pt.-time Lectrs.

Engineering, Architectural

Walkley, G., M.A., M.Litt. Camb., B.E. Lectr.

Engineering, Civil

Bull, F. B., M.A. Camb., B.Sc. Lond. Prof.
Farrent, T. A., B.Sc., B.E. Reader.
Robinson, A. J., B.C.E. Melb. Sr. Lectr.
Sved, G., Dip.Mech.Eng. Bud. Sr. Lectr.
Culver, R , B.Sc., B E. Sr. Lectr.
Tyler, D. H., B.E. Lectr.
Elix, D. L., B.E. (Industrial E.) Pt.-time Lectr.

Engineering, Electrical

Willoughby, E. O., M.A., B.E.E., B.C.E. Melb. Prof.
. . . . . Reader.
Shen, D. W. C., Ph.D. Lond. Sr. Lectr.
Prime, H. A., M.Sc. Manc. Temp. Sr. Lectr.
Pawsey, D. C., B.E.E. Melb. Lectr.
Kaneff, S. D., B.E. Temp. Lectr.

Engineering, Mechanical

Davis, H. H., B.Sc., B.E. Syd., Ph.D. Camb. Prof.
Duncan, J. P., B.E. Sr. Lectr.

Barden, R. G., B.Sc. Lond. Sr. Lectr.
Davies, P. O. A. L., B.E. Syd., Ph.D. Camb. Sr. Lectr.

English Lang. and Literature

Jeffares, A. N., M.A. Dub., D.Phil. Oxon. Jury Prof.
Piper, H. W., B.A Oxon. and Adel. Reader.
Davies, M. B., M.A. Oxon. Sr. Lectr.
Elliott, B. R., M.A. W.Aust. Sr. Lectr.
Muecke, D. C., B.A. Oxon. and Adel. Lectr.

Experimental Medicine

..... Keith Sheridan Prof.

French

Cornell, J. G., M.A. Melb., L. ès L. Paris Prof.
Crampton, Mary H. St. C., M.A. Sr. Lectr.
Valuet, M., L. ès L. Paris Lectr.

Geography

Lawton, G. H., M.A. Oxon., B.Ed. Melb. Reader-in-Charge.
Thomson, K. W., B.A. N.Z., Ph.D. Wash. Lectr.

Part-time Lecturers

Marshall, Ann, M.Sc. Melb.
Price, A. G., C.M.G., D.Litt.

Geology and Mineralogy

Alderman, A. R., Ph.D. Camb., D Sc. Prof.
Glaessner, M. F., Ph.D. Vienna, D.Sc. Melb. Reader.
Kleeman, A. W., M.Sc. Sr. Lectr.
Segnit, E. R., Ph.D. Camb., M.Sc. Sr. Lectr.
Hossfeld, P. S., Ph.D. Lectr.

Geology, Economic

Rudd, E. A., A.M. Harv., B.Sc. Prof.

German

Van Abbe, D., M.A. Camb., Ph.D. Melb. Reader-in-Charge.
Coghlan, B. L. D., B.A. Birm. Lectr.

History

Stretton, H., M.A. Oxon. Prof.
Pike, D. H., M.A. Reader.
Oldham, W., Ph.D. Lond., M.A. Sr. Lectr.
Woodroffe, Kathleen, M.A. Lectr.

Law

Blackburn, R. A., B.A., B.C.L. Oxon., B.A. Bonython Prof.
O'Connell, D. P., B.A., LL.M. N.Z., Ph.D. Camb. Reader.
Fridman, G. H. L., B.A., B.C.L. Oxon. Lectr.

Part-time Lecturers

Pickering, A. L., LL.B. (Evidence and Procedure).
Whitington, L. A., LL.B. (Companies, Partnership, Bankruptcy and Divorce).
Stevens, E. L., LL.B. (Equity and Conveyancing).
Wells, W. A. N., B.A., B.C.L. Oxon , LL B. (Property).
Phillips, E., Q.C., LL.B. (Mercantile L.).
McEwin, J. N., LL.B. (Legal Ethics).

Mathematical Physics

Green, H. S., Ph.D. Lond., D.Sc. Edin. Prof.
Ward, J. C., D.Phil. Oxon. Sr. Lectr.
Bergman, O., Ph.D. Dub. Sr. Res. Fellow.

Mathematics

Sanders, H. W., M.A. Camb. Elder Prof.
Statton, J. W., B.Sc. Reader.

Senior Lecturers

Gray, M. C., B.Sc.
Szekeres, G., Dip.Chem.Eng. Bud
Rennie, B. C., Ph.D. Camb.
Potts, R. B., D.Phil. Oxon., B.Sc.

Part-time Lecturers
Capon, R. S., O.B.E., B.A
Cornish, E. A., D.Sc. (Stats).
Michael, J. H., M.Sc.

Medicine, v. *infra*

Mining, Metallurgical and Chemical Engineering
Spooner, E. C. R., D.Phil. Oxon., D.Sc. Tas. Prof.
Morgan, J. P., B Sc. (Eng.) (Mining Engin.) Reader.
Tait, R. W. F., Ph.D. Birm. (Chem. Engin.) Sr. Lectr.

Music, v. also p. 985—Elder Conservatorium of Music
Bishop, J. Elder Prof.
Horner, J. A., F.R.C.O. Sr. Lectr.
Peters, J. V., Mus.Bac. N.Z. and Durh. Lectr

Pathology
Robertson, J. S., M.B., B.S. Syd., D.Phil. Oxon. Marks Prof.
Barter, R. A., M.D. Sr. Lectr.
Reid, R. T. W., M.B., B.S. Sr. Lectr.
Lander, H., M.B , B.S. Lectr.

Pharmacy
Lecturers
Lipsham, E. F.
Bowey, A. E., B.Sc.
Walter, O. H., F.C.A. (Aust.) (Forensic and Comm. Pharm.) Pt.-time Lectr.

Philosophy
Smart, J. J. C., M.A. Glas., B.Phil. Oxon. Hughes Prof.
Finnis, M. M. S., B.A. Sr. Lectr.
Lecturers
Place, U. T., M.A., Dip.Anthrop. Oxon. (Psychol.).
Martin, C. B., B.A. Boston.
Lovibond, S. H., B.A. Melb., A.U.A. (Psychol.).

Physical Education
Apps, B. F. G., B.A., Dip.Ed , D.P.E. Melb Sr Lectr.-in-charge.
Barwell, Elizabeth M. Lectr.

Physics
Huxley, L. G. H., M.A., D.Phil. Oxon. Elder Prof.
Burdon, R. S., D.Sc., F.I.P. Reader.
Tomlin, S. G., Ph.D. Lond. Reader.
Fuller, G. R., B.Sc. Sr. Lectr.
Aitchison, G J., M.Sc Sr. Lectr.
Lecturers
Crompton, R. W., B.Sc.
Elford, W. G., B.Sc.
Iliffe, M I. G., B.Sc.
Sutton, D. J., B.Sc.
Medlin, E. H., B Sc. (Biophys.).
Weiss, A. R., B.Sc. Sr. Res. Fellow.

Physiology, General, v. Biochemistry

Physiology, Human, and Pharmacology
Hicks, Sir C. Stanton, M.Sc. N.Z., Ph.D. Camb., M.D., F.R.I.C. Prof.
Lippay, F., M.D., D.Jur. Vienna, D.Sc. Reader.
Kerr, D. I. B., B.Sc. Lectr.
Day, A. J., M.Sc., M.B., B.S. Lectr.

Physiotherapy
Casely, Elma Lectr.-in-charge.
4 Pt.-time Lectrs. and 3 Pt.-time Demrs.

Politics
Duncan, W. G. K., M.A. Syd., Ph.D. Lond. Prof.
..... Sr. Lectr.
Sainsbury, K. A. F., B.A., B.Phil. Oxon. Lectr.

Social Science

Wheaton, Mrs. Amy G., M.B.E., B.Sc. (Econ.) Lond., M.A. Lectr.-in-charge.
..... Lectr.

Zoology

Rogers, W. P., M.Sc. W.Aust., Ph.D. Lond. Prof.
Thomas, I. M., M.Sc. Wales Sr. Lectr.
Edmonds, S. J., B.A., M.Sc. Lectr.
Clare, S., B.A. Kansas, M.S. Iowa, Ph.D. Chic. Lectr.
McCarthy, Doreen F., B.A., B.Sc. (Biol.) Pt.-time Lectr.
Angel, L. Madeline, M.Sc. Sr. Demr.

Dentistry

(*See also* Anat., Bacteriol., Biochem., Chem., Pathol., Physiol. and Zool.)

Campbell, T. D., D.Sc., D.D.Sc. Prof.
Eustace, J. L., B.D.S. Sr. Tutor.

Part-time Lecturers

Denholm, W. T., B.Met.E. Melb. (D. Metall.).
Hughes, J. E., M.B., M.S. (Surg.).
Chinner, M. E., M.D. (Med.).
Eustace, J. L., B.D.S. (D. Mat. Med. and Therapeutics).
Maddern, C. B., D.D.Sc. (Dental Public Health and Services).
Marshman, W. M., B.D.S. (Children's D.).

Instructors

Leditschke, F. B., M.B. B.S. (Anæsthetics).
Cran, J. A., M.D.S. (Radiography).

Crown and Bridge Work

Joyner, M. S., B.D.S. Pt.-time Lectr.
2 Pt.-time Demrs.

D. Anatomy

Campbell, Prof. T. D., D.Sc., D.D.Sc.
1 Pt.-time Demr.

D. Surg. and Pathol.

Cran, J. A., M.D.S. Pt.-time Lectr.
2 Pt.-time Demrs.

Operative D.

Lawrence, G. O., D.D.Sc. Pt.-time Lectr. and Instr.
8 Pt.-time Tutors, 3 Pt.-time Demrs.

Orthodontics

Begg, P. R., D.D.Sc. Pt.-time Lectr. and Demr.

Periodontics

Evans, M. W., D.D.Sc. Pt.-time Lectr.
1 Pt.-time Demr.

Prosthetic D.

Barrett, M. J., M.D.S. Reader.
Edwards, H. T. J., D.D.Sc. Pt.-time Lectr.
4 Pt.-time Tutors, 6 Pt.-time Demrs.

Medicine

(*See also* Anat., Bacteriol., Biochem., Bot., Chem., Exper. Med., Pathol., Physics, Physiol. and Zool.)

Division of Medical Studies

Robson, H. N., M.B., Ch.B. Edin., F.R.C.P.Ed. Prof.
Gilmore, H. R., M.B., B.S. Sr. Lectr.

Part-time Lecturers

Beare, F. H., M.D., D.P.M. (Med.).
Hetzel, K. S., M.D., F.R.C.P., F.R.A.C.P. (Med.).
Hone, F. R., B.Sc., M.D. (Med.).
Southwood, H. M., M.D. (Psych. Med.).
Woodruff, P. S., M.D. Melb., D.T.M. & H. Syd. (Pulmonary Tuberculosis).

Cockburn, M. T., M.D., F.R.A.C.P. (Med. Dis. of Children).
Colton, R. S., M.B., B.S. Full-time Asst. to Dir.
Cohen, A. K., M B., B.S. Mortlock Res. Fellow.
Taylor, M. G., M.B., B.S. Res. Fellow.
6 Tutors in Med., 2 Tutors in Infectious Diseases, 1 Tutor in Pædiatrics.

Division of Surgical Studies

Lendon, A. H., M B., B.S., F.R.C.S. Dir.

Part-time Lecturers

Jones, A. T. B., M.B., B.S., F.R.C.S.Ed. (Surg.).
Barbour, J. R., M.B., M.S., F.R.C.S.Ed (Surg.).
McEachern, A. C., M.B., M.S., F.R.C.S. (Surg.).
McLarty, T. L., M.D., D.O.M.S. (Ophthal. Surg.) Gosse Lectr.
Glynn, R. M., M.B., B.S., F.R.C.S. Ed. (Dis. of Ear, Nose and Throat).
McKay, D. G., M.B., B.S., F.R.C.S. Ed. (Surg. Dis. of Children).
Lamphee, A. D., M.B., B.S. (Anæsthetics).
McCoy, H. A., M.B., B.S. Syd., D.M.R.E. Camb. (Radiol.).
.....

Assistants to Director

Maddern, J. P., M.B., B.S.
Hunter, R., M.B., B.S. Pt.-time.
Smith, M. K., M.B., B.S. Pt.-time.
..... Res. Fellow.
6 Part-time Tutors in Surgery.

Gynæcology

Pellew, H. E., M.B., B.S. Way Lectr.

Obstetrics

Poidevin, L. O. S., M.B., B.S. Syd. Dir.

Public Health and Preventive Medicine

Southwood, A. R., C.M.G., M.D., M.S. Pt.-time Lectr.
2 Pt.-time Demrs.

Clinical Teachers

The Staffs of the Royal Adelaide and of the Children's Hospls.

Animal Products Research Foundation

Marston, H. R., F.R.S. Chairman, Advisory Bd.
Dawbarn, Mary C., M.Sc. Res. Chemist.

Anti-Cancer Committee

Mayo, J. C., M.D., F.R.C.S.Ed. Chairman of Cttee.
Hanson, B. S., M.B., B.S. Hon. Radiotherapist.
Dibden, F. A., M.B., B.S. Medical Officer.
Worthley, B. W., B.A., M.Sc. Sr. Physicist.
Tooze, M. J., B.Sc. Physicist.
Fry, R. M., B.Sc. Physicist.

The Elder Conservatorium of Music

Bishop, J. Dir.

Teachers

Art of Speech

Johnston, F.

Aural Culture and Musical Appreciation

Holder, Alison, Mus.Bac.

Bassoon

Good, J. G.

Clarinet

Martin, C.
Blaylock, A.
Clews, J. C. H.

Drama

.....

Ensemble Playing and Orchestral Class
Davies, L.
Fairhurst, H.
Good, J. G.

Flute
Yelland, K.

French Horn
Sadler, B.

Oboe
Post, N.

Opera
Howard, Barbara.

Organ
Horner, J. A., F.R.C.O.
Peters, J. V., Mus.Bac. N.Z. and Durh.

Percussion
Makin, K.

Pianoforte
Dossor, L.
Pearce, G.
Horner, J. A., F.R.C.O.
Leske, C.

Singing
Williams, C. Q.
Gill, Hilda B., A.U.A.
Howard, Barbara.
Worthley, M.

Violin
Davies, L.
Fairhurst, H.

Violoncello
Parsons, H. S., Mus.Bac.

Waite Agricultural Research Institute

Prescott, J. A., C.B.E., D.Sc., F.R.S. Dir.

Agricultural Chemistry
Prescott, J. A., C.B.E., D.Sc., F.R.S. Waite Prof.
Piper, C. S., D.Sc. (Soil C.) Reader.
Best, R. J., D.Sc. Sr. Chemist.

Chemists
Gallus, H. P. C., M.Sc. Analyst.
Tyson, A. G., B.Sc.
Lewis, D. G., B.Sc.

Agronomy
Donald, C. M., M.Ag.Sc. Waite Prof. of Agric. and Hd. of Dept.
Black, J. N., M.A., D.Phil. Oxon. Sr. Agronomist.
.....

Agronomists
Symon, D. E., B.Ag.Sc.
Millington, R. J., M.Sc. Syd.

Temporary Agronomist
Kleinig, C. R., B.Ag.Sc.

Entomology
Swan, D. C., M.Sc. Sr. Entomologist-in-Charge.
Andrewartha, H. G., D.Sc. Sr. Entomologist.
Browning, T. O., B.Sc. Syd., Ph.D. Entomologist.
Lower, H. S. F. Systematic Entomologist.
Madge, P. E., B.Sc. Syd., M.Ag.Sc. Entomologist.
Maelzer, D. A., B.Sc. W.Aust. Res. Fellow.

Genetics
Catcheside, D. G., M.A. Camb., D.Sc. Lond., F.R.S. Prof.
..... Sr. Plant Genecticist.

Plant Geneticists
Mayo, G. M. E., B.Ag.Sc.
Mathieson, Margaret J., Ph.D. Camb., M.Sc. Melb.
Abele, K., M.A. Riga, Ph.D. Marburg Cytologist.
Martin, P. G., B.Sc. Jr. Res. Fellow.

Plant Pathology

Hansford, C. G., M.A., Sc.D. Camb., F.L.S.
Reader-in-Charge.

Flentje, N. T., Ph.D. Lond., M.Sc.
Sr. Plant Pathologist.

Warcup, J. H., Ph.D. Lond., M.Sc. N.Z. Sr. Microbiologist.

Plant Pathologists

Crowley, N. C., B.Ag.Sc.

Kerr, A., B.Sc. Edin.

Carter, M. V., B.Ag.Sc.
Res. Officer.

Plant Physiology

Milthorpe, F. L., Ph.D. Lond., M.Sc.Agr. Syd.
Sr. Plant Physiologist.

Plant Physiologists

May, L. H., B Sc.

Marinos, N. G., B.A., M.Sc.

Systematic Botanist

Hilton, F. M., B.Ag.Sc.

Statistician

Mathison, Irena, M.Phil. Cracow.

ADMINISTRATIVE AND OTHER STAFF

Academic Sec.: H. E. Wesley Smith, B.A., B.Ed., Dip.Ed. Oxon. Accountant: W. Meiklejohn. Asst. Accountant: E. S. Wyett, A.U.A. Sec. of Boards of Public Examns.: H. R. Othams, B.A. Chief Clerk: D. W. Wallis. Sec. of Waite Agricultural Res. Inst.: G. L. Gooden. Warden of Union: F. T. Borland, M.A. Melb., Dip.Ed. Edin.

ASSOCIATED OR AFFILIATED INSTITUTIONS

St. Mark's College [residential], Pennington Terrace, North Adelaide, S.A. (*Telephone*: Adelaide M. 9211.) Under management of Church of England, but open to men of all denominations. Opened for students in March 1925. Master—A. Grenfell Price, C.M.G., D.Litt., Dip.Ed. Oxon.

St. Ann's College [residential], Brougham Place, North Adelaide, S.A. (*Telephone*: Adelaide M. 9078.) Open to women of all denominations. Opened for students in March 1947. Principal—Lilian Bush, M.A. Edin.

Aquinas College [residential], Montefiore Hill, North Adelaide, S.A. (*Telephone*: Adelaide M. 9944.) Under the management of the Roman Catholic Church, but open to men of all denominations. Opened for students in March 1950. Rector—Very Rev. Fr. M. A. M. Scott, M.Sc. Dub.

Lincoln College [residential], Brougham Place, North Adelaide, S.A. (*Telephone*: Adelaide M. 9062.) Under the management of the Methodist Church, but open to men of all denominations. Opened for students in March 1952. Master—Rev. F. Hambly, M.A., B.D. Melb.

S. Australian School of Mines and Industries, North Terrace, Adelaide, S.A. (*Telephone*: Adelaide W. 1771.) President—Prof. Sir Kerr Grant, M.Sc., F.I.P. Principal—R. W. Parsons, M.E. Affiliated with the Univ. for the provision of certain courses and examns. in Archit., Mining, Metall. and Chem., Elect., Mech. and Civ. Engin.

Roseworthy Agricultural College, Roseworthy, S.A. (*Telephone*: Roseworthy 2.) Principal—R. N. McCulloch, D.Sc. Q'ld. Affiliated for parts of the B.Ag.Sc. course for Agric. students.

Teaching Hospitals associated with Medical School. Royal Adelaide Hospital, approx. 800 beds, apart from subsidiary hospitals for cancer, tuberculosis, infectious diseases, etc.; Queen Elizabeth Hospital for Obstetrics, 55 beds; Queen Victoria Maternity Hospital, 90 beds; Adelaide Children's

Hospital, 250 beds; Bedford Park Sanatorium; "Mareeba" Babies' Hospital; Parkside Mental Hospital.

GENERAL INFORMATION

The University was established by Act of the provincial legislature in 1874. It began with endowments of £A20,000 each from Sir W. W. Hughes and Sir Thomas Elder, a land grant of 50,000 acres (subsequently repurchased by the govt. for £A40,000), a site of 5 acres in the city and an annual govt. subsidy of 5 per cent. on endowments. The original site was increased to 8 acres in 1920, to 14 acres in 1927 and in 1929 to 27 acres. The govt. subsidy on endowments is limited to £A40,000. The Council consists of the Chancellor, the Vice-Chancellor, 20 members elected by the Senate and (since 1911) 5 elected by Parliament. State grants (including the subsidy on endowments) for annual running costs amounted in 1954 to £A600,000, including about £A80,000 for the Waite Agric. Res. Inst. The total value of the endowments is over £A1¼ million, and the income in 1953 was £A716,000.

LIBRARY. Approx. 171,000 vols.

LABORATORIES. At the Univ.—Anat., Bacteriol., Biochem., Bot., Chem., Engin. (Civil, Elect., Mech., Mining, Metall. and Chem. Engin.), Geol., Histol., Pathol., Phys., Physiol., Pharmacol. and Zool. At the Waite Inst. (*see below*).

The ELDER CONSERVATORIUM OF MUSIC (for staff *see* pp. 985-986 *above*), established in 1898, is part of the Univ., and provides tuition in a wide range of studies in the performance of music. Its students include not only those proceeding to the Univ. diploma but also many others who wish to study a principal subject (*e.g.* singing or pianoforte) or to undergo training in group work such as orchestral and operatic performances and who satisfy the Dir. of their fitness to be admitted.

The WAITE AGRICULTURAL RESEARCH INSTITUTE (for staff *see* pp. 986-987 *above*) was established in 1924 as a result of a gift by the late Mr. Peter Waite of an estate of 299 acres, a mansion-house and a trust fund of £A58,450. Subsequent endowments and govt. grants have expanded the work of the Inst., the annual expenditure of which in 1953 was £A130,000. The purpose of the Inst. is "to further the cause of research and education in agriculture and allied subjects"; its depts. comprise Agricultural Chem., Agronomy, Entomol., Genetics, Plant Pathol. and Plant Physiol.

OTHER SPECIAL RESEARCH DEPARTMENTS. (1) Field Lab. at Koonamore for investigation of plant regeneration in arid areas. (2) Sheridan Medical Research Foundation for the support of medical res. (3) Animal Products Research Foundation, which conducts investigations into problems of animal nutrition (*see* Staff List, *above*). (4) Board for Anthropological Res. on the aboriginals of S. Australia. (5) The Anti-Cancer Cttee. directs res. into the cause, treatment and cure of cancer. (6) John Mortlock Research Station at Yudnapinna.

COLLECTIONS OF INTEREST TO SPECIALIST SCHOLARS. Collection of Australian endoparasites. Prof. J. B. Cleland's collection of the higher Australian fungi (Basidiomycetes), by far the largest of its kind, is available for study by mycologists and forest pathologists. Collection of representative specimens from all the Australian opal fields. Anthropological collection of Australian skeletons. Collections of marsupial material. Herbarium of Australian plants.

FACULTIES. Agric. Science, Arts, Dent., Econ., Engin., Law, Med., Music, Science.

BOARDS OF STUDIES. Physical Educn.; Social Science; Pharmacy; Physiotherapy; Research Studies.

ADMISSION. *See* Appendix I.

DEGREES. Obtainable after course of 3 yrs., B.A., B.Sc., B.Ec. (4th yr. for Hons. in each case); 4 or 5 yrs., B.E. (5th yr. for Hons.), B.Ag.Sc. (5th yr. for Hons.), Mus.Bac.; 5 yrs., LL.B., B.D.S.; 6 yrs., M.B., B.S.; and B.Med.Sc. for additional work in a basic medical sci.

HIGHER DEGREES. Open to Bachelors of 2 yrs.' standing, M.A., M.Sc., M.Ag.Sc., M.Ec., M.E., LL.M., M.D.S.; 3 yrs.', M.D., M.S., D.D.Sc., Mus.Doc.; 4 yrs.', D.Sc., LL.D., D.Litt.; and Ph.D. for res. within the Univ.

PUBLIC EXAMINATIONS. *See* Appendix I.

DIPLOMAS. Pharmacy, 4 yrs.' course; Pre-Primary, Primary and Secondary Education, each 1 yr. after graduation; Music, 3 yrs.; Physical Education, 3 yrs.; Social Science, 3 yrs.; Physiotherapy, 3 yrs.

Fellowship of the Elder Conservatorium of Music for eminence as a performer of music.

A "Final Certificate in Law" for admission as a practitioner in the Supreme Court is obtainable by articled clerks on a curriculum less extensive than that for the LL.B.

Apart from the examns. for its degrees and dipls. the Univ. conducts PUBLIC EXAMNS. of various grades in General Education—Intermediate, Leaving, and Leaving Honours, and in Music.

FEES. Matricn., £A1 : 1s.; *ad eundem statum*, £A2 : 2s.; Admission to Degrees :—B.A., M.A., B.Ec., M.Ec., B.Sc., M.Sc., B.Ag.Sc., B.Med.Sc., Mus.Bac., M.D.S., M.E., LL.M., LL.D., M.D., D.D.Sc., Mus.Doc., D.Sc., D.Litt., LL.B., B.E., £A5 : 5s.; Ph.D., £A7 : 7s.; M.S. £A10 : 10s.; Diplomas in Educn., Pub. Admin., Commerce, Music, Physical Educn., Social Science, Physiotherapy, Pharmacy, £A2 : 2s.; F.E.C.M., £A5 : 5s.; Degree courses in Arts about £A75; Economics about £A75; Sci. about £A135; Engin. about £A170; Law about £A130; Medicine, £A240 (excluding Hospl., £A65, and incidentals, £A50); Dentistry, £A250 (plus incidentals, £A35); Music, £A70; Tuition Conservatorium, £A16 : 16s. p.a. minimum.

The COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION'S Section of Statistics and Division of Biochem. and General Nutrition are housed within the Univ. grounds and its Division of Soils at the Waite Inst.—a total of about 50 scientific res. officers and their ancillary staff.

EXTERNAL DEGREES. The Univ. does not award any degree or diploma for external studies, though in certain courses, *e.g.* Arts, Law and Econ., S. Australian students may, in special circumstances, be exempted from attendance at lectures.

ADULT EDUCATION. The Joint Cttee. of the Univ. and the W.E.A. conducts an extensive range of lecture, tutorial and discussion classes and study circles for adults in the metropolitan area of Adelaide. Tutor-in-Charge : .....

APPOINTMENTS BOARD. The Univ. maintains a small appointments service for the benefit of jr. graduates. Sec.: F. H. Johnson, M.A. Oxon.

MUSEUMS. One each in the Depts. of Anat., Bot., Geol., Pathol. and Physiol.

SERVICE UNITS. The Univ. Regiment was formed in 1947 and the Univ. Air Squadron in 1950.

STUDENT HEALTH SERVICE. The Univ. Union provides a student health service which offers without charge to the student a full medical and

physical examn., including X-ray, Mantoux, etc., and advice about specific treatment (if any) needed and general health matters. The Univ. through its Dept. of Physical Educn. has developed a physical and recreational health service for all students apart from the facilities for organized games offered by the Sports Assoc.

SPORTS ASSOCIATION. All full-time students, both men and women, are members of the Sports Assoc., which provides facilities for the whole range of organized games played in S. Australia. The playing fields are situated in the park lands near the Adelaide Oval, less than half a mile from the Univ.

UNIVERSITY UNION. All full-time students are also members of the Union (compulsory annual fee of £A6 : 10s. covers membership of both the Union and the Sports Assoc.). The Union controls the refectory and maintains the Health Service. Sec. of the Union and of the Sports Assoc., K. T. Hamilton.

The GRADUATES' UNION is a constituent member of the Univ. Union. Hon. Sec., F. H. Johnson, M.A. Oxon.

RESIDENCE. St. Mark's College (accommodates about 100 men), fee for residence during term about £A200 p.a. St. Ann's (about 50 women), fee for residence during term about £A150 p.a. Aquinas (about 65 men), fee for residence during term about £A180 p.a. Lincoln (about 60 men), fee for residence during term about £A190 p.a.

PUBLICATIONS. *Calendar* (April), 7s. 6d.; *Public Examinations Manual* (April), 5s.; *Degree and Diploma Examination Papers*, 5s.; *Regulations*, 2s.; *Syllabuses and Timetables*, 2s.; *Australian Journal of Experimental Biology and Medical Science*, two-monthly, £A2 p.a.; *Joseph Fisher Lecture in Commerce*, free. Student Publications. *On Dit* (fortnightly), 3d.; *Science Journal* (annually), 2s.; *Engineering Journal* (annually), 2s.

THE YEAR 1953

BENEFACTIONS. Mrs. G. Hastings, £A50,000 for development of work in Fac. of Med.; T. E. B. Smith, £A13,875 to found Scholp. in Agric. tenable at Camb. in memory of his father; Miss Lily Waite, £A10,000 to promote work of Waite Agric. Res. Inst.; Mrs. A. E. Hoare, £A5768 for Anti-Cancer Cttee.; W. Donnithorne, £A1590 to help students in Facs. of Law and Med.; Miss E. A. Davey, £A1916 for res. in diseases of human body.

NEW DEPARTMENTS AND POSTS. Sep. chairs of Hist. and of Politics, previously jt. dept.; new chair of Inorg. and Phys. Chem.; Sr. Lectureships in Geol., Med., and Govt. and Pub. Admin.; Lectureships in Geog., Civil Engin., Psychol., Biochem., and Zool.

REGULATIONS. Regulations governing the degrees of D.Litt., B.E., and Ph.D. substantially revised; new courses provided in Accty., German, Scientific German, Hist. of Thought, and Psychol., and an Hons. course in German.

ADULT EDUCATION WORK. The Jt. Cttee. for Tutorial Classes conducted 12 tutorial classes, 14 lecture classes, and 2 study circles at the Univ., 3 lecture classes in the suburbs, and a 7-day residential summer sch. Lectures were given at 11 country centres, and an exhibn. of art was held at one country town.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Dr. F. C. Phillips, Brist.; Prof. P. B. Carter, Oxon.; Prof. C. O. Gregory, Virginia; Dr. Julian Huxley; Prof. A. E. Alexander, N.S.W. U.T.; Dr. J. M. Blatt, Syd.; Prof. C. G. Firth, Tas.; J. Jennings, A.N.U.; Prof. I. Maxwell, Melb.; Prof. A. H.

Willis, N.S.W. U.T.; Dr. M. Todd, Canberra U.C.; and under aegis of Postgraduate Cttee. in Med.: Sir Allen Daley, L.C.C.; Dr. M. Critchley, Lond.; Dr. J. E. M. Wigley, Lond.; Dr. R. D. Lawrence, Lond.; Dr. B. Johnson, Lond.; Prof. Virginia Apgar, Col., N.Y.; Dr. J. G. Hayden, Melb.; Dr. D. Guthrie, Edin.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. The Univ. was represented at the quinquennial Commonwealth Univs. Congress at Cambridge in July by the Vice-Chancellor, Prof. J. G. Wood, A. J. Hannan, V. A. Edgeloe, and Prof. F. Goldby. On study leave: Prof. J. A. FitzHerbert; Prof. H. S. Green; Dr. G. M. Badger; Dr. T. O. Browning; Dr. C. S. Piper; R. W. Crompton; B. R. Elliott; G. Szekeres.

RETIREMENT. H. S. Parsons (lectr. in Music).

RESIGNATIONS. Prof. H. C. Trumble (Agron.); R. E. Vowels (Electr. Engin.), apptd. to Chair of Electr. Engin. in N.S.W. U. T.; Dr. W. R. Adey (Anat.), apptd. Asst. Prof. in Calif.; A. T. Pugsley (Plant Geneticist), apptd. Dir. of Agric. Res. Inst. at Wagga, N.S.W.; R. O'Connell (Music).

DEATHS. Prof. J. McK. Stewart (Emer. Prof. of Philos. and former Vice-Chancellor); R. H. Chapman and Sir Edmund B. Jones (members of Council); Miss Lily Waite (benefactress); Dr. W. Ray (former member of Council, Dir. of Med. Studies, and Dean of Fac. of Med.); Mr. Justice Piper (former Lectr. in Law and Chief Justice of Arbitration Court); C. C. Brebner (former Lectr. in Law); W. E. T. Bond (Res. Fellow in Agron.).

STUDENT NUMBERS.

	Full-Time	*Part-Time*	*External*
Men	1392	1242	281
Women	482	623	90
Total	1874	1865	371

Postgraduate students, 397.

New admissions, 924 (of whom 615 enrolled for Univ. degree or diploma courses).

Students from abroad, 120. (Countries from which largest numbers came: Federation of Malaya, 61; Singapore, 23; India, 12.)

DEGREES. B.Ag.Sc., 10; M.Ag.Sc., 2; B.A., 53; B.D.S., 10; M.D.S., 3; B.Ec., 7; M.Ec., 2; B.E., 65; LL.B., 21; M.B., B.S., 102; M.D., 2; Mus.Bac., 1; B.Sc., 73; M.Sc., 8; D.Sc., 1; Ph.D., 5.

DIPLOMAS. Arts and Educn., 34; Comm., 24; Educn., 20; Final Cert. in Law, 2; Music, 3; Pharm., 32; Phys. Educn., 3; Physiotherapy, 12; Pub. Admin., 7; Soc. Sci., 11.

[*Information compiled as at June* 1954.]

THE AUSTRALIAN NATIONAL UNIVERSITY *

Founded 1946

Postal Address: Box 4, G.P.O., Canberra, A.C.T., Australia.
Cables and Telegrams: Natuniv, Canberra.
Telephone: Canberra J. 2273.

CHANCELLOR—The Rt. Hon. THE VISCOUNT BRUCE OF MELBOURNE, C.H., M.C., C.G., B.A., Hon. LL.D. Camb. and A.N.U., F.R.S.

VICE-CHANCELLOR—L. G. MELVILLE, C.B.E., B.Ec. Syd., F.I.A.

MASTER, UNIVERSITY HOUSE—Professor A. D. TRENDALL, M.A. Camb. and N.Z., Litt.D. N.Z., F.S.A.

DIRECTOR, RESEARCH SCHOOL OF PHYSICAL SCIENCES—Professor M. L. E. OLIPHANT, B.Sc. Adel., M.A , Ph.D. Camb., LL.D. St. And , D.Sc. Melb., Tor., Belf., Birm. and N.S.W.U.T., F.I.P., F.R.S.

REGISTRAR—R. A. HOHNEN, B.Ec. Syd.

LIBRARIAN—A. L. G. McDONALD, B.A. Melb.

ACADEMIC STAFF

JOHN CURTIN SCHOOL OF MEDICAL RESEARCH

Biochemistry

Ennor, A. H., D.Sc. Melb. Prof.
Collins, F. D., Ph.D. Liv., M.Sc. N.Z., F.R.I.C. Sp. Res. Fellow.

Research Fellows

Kratzing, C. C., M.Sc. Syd., Ph.D. Lond.
Blakley, R. L., Ph.D. N.Z.
Morrison, J. F., B.Sc. Syd., M.Sc. Q'ld.

Experimental Pathology

Mackaness, G. B., M.B., B.S. Syd., B.A. Oxon. Sr. Fellow.

Senior Research Fellows

Dodson, L. F., M.B., B.S. Syd., D.C.P. Syd.
Kramer, H., M.B., Ch.B. Cape T., D.Phil. Oxon.

Medical Chemistry

(This Dept. at present located at the Wellcome Research Institution, London.)

Albert, A., B.Sc. Syd., Ph.D., D.Sc. Lond. Prof.
Brown, D. J., M.Sc. Syd., Ph.D. Lond. Fellow.

Research Fellows

Mason, S. F., M.A., D.Phil. Oxon.
Phillips, J. N., M.Sc. Syd., Ph.D. Lond.

Microbiology

Fenner, F. J., M.B.E., M.D., B.S. Adel., D.T.M. Syd. Prof.
Fazekas de St. Groth, S.N.E.E., M.B., Ch.B. Bud., Sc.M. Sorbonne Sr. Fellow

* Member of the Association of Universities of the British Commonwealth.

Research Fellows

Holloway, B. W., B.Sc. Adel., Ph.D. Cal. Tech.

Joklik, W. K., M.Sc. Syd.

Physiology

Eccles, J. C., M.B., B.S. Melb., M.A., D.Phil. Oxon., F.R.S., F.R.S.N.Z., F.R.A.C.P. Prof.

Coombs, J. S., M.Sc. N.Z. Fellow.

Fatt, P., B.A. Calif., Ph.D. Lond. Sr. Res. Fellow.

Veterinary Officer

Whitton, W. K., B.Sc., B.V.Sc. Syd.

Research School of Physical Sciences

Astronomy

Woolley, R. v.d. R., M.Sc. Cape T., M.A., Ph.D. Camb., F.R.S. Hon. Prof.

Hogg, A. R., D.Sc. Melb., F.I.P. Res. Associate.

Gascoigne, S. C. B., Ph.D. Brist. Res. Associate.

Geophysics

Jaeger, J. C., M.A. Camb., D.Sc. Syd., F.I.P. Prof.

Joplin, Germaine A., B.A., D.Sc. Syd., Ph.D. Camb. Fellow.

Paterson, M.S., B.Sc., B.Eng. Adel., Ph.D. Camb. Sr. Res. Fellow.

Nuclear Physics

Titterton, E. W., Ph.D., Dip.Ed. Birm. Prof.

Research Fellows

Inall, E. K., B.Sc., B.E. Syd.

Treacy, P. B., M.Sc. Syd., Ph.D. Camb.

Carver, J. H., M.Sc. Syd., Ph.D. Camb.

Particle Physics

Oliphant, M. L. E., B.Sc. Adel., M.A., Ph.D., Camb., LL.D. St. And., D.Sc. Melb., Tor., Belf., Birm., and N.S.W.U.T., F.I.P., F.R.S. Prof.

Fellows

Wilson, R S., M.A. Camb., Ph.D. Liv.

Blamey, J. W., M.Sc. Melb.

Radiochemistry

Scarf, F., M.Sc. Birm. Reader.

Richards, J. R., M.Sc. Melb., Ph.D. Durh. Res. Fellow.

Theoretical Physics

Butler, S. T., M.Sc. Adel., Ph.D. Birm. Sr. Res. Fellow.

Barker, F. C., M.Sc. Melb., Ph.D. Birm. Res. Fellow.

Senior Research Engineer

Hibbard, L. U., B.Sc., M.E. Syd., Ph.D. Birm.

Research Engineer

Shenton, D. B., B.Sc. Lond.

Research School of Social Sciences

Demography

Borrie, W. D., M.A. N.Z. Reader.

Research Fellows

Price, C. A., B.A. Adel. and Oxon., D.Phil. Oxon.

McArthur, Norma R., B.A. Melb., Ph.D. Lond.

Economics

Swan, T. W., B.Ec. Syd. Prof.

Brown, H. P., B.A. Melb. (Econ. Stats.) Reader.

Hall, A. R., B.Ec. Syd., Ph.D. Lond. Fellow.

Butlin, N. G., B.Ec. Syd. Sr. Res. Fellow.

Research Fellows
Cheek, B. M., M.A. Adel.
Perkins, J. O. N., M.A., Ph.D. Camb.

History
Fitzhardinge, L. F., B.A. Syd., M.A. Oxon.
(Sources of Aust. Hist.) Reader.

Research Fellows
Gollan, R. A., M.A. Syd., Ph.D. Lond.
Kiddle, Margaret, M.A. Melb.

Law
Sawer, G., B.A., LL.M. Melb. Prof.

Political Science
Webb, L. C., M.A. N.Z.
Parker, R. S., M.Ec. Syd. Reader.
Chapman, R. McD., M.A. N.Z., Reader. Res. Fellow.

Social Philosophy
Partridge, P. H., M.A. Syd. Prof.
Passmore, J. A., M.A. Syd. Reader.

Statistics
Moran, P. A. P., M.A. Camb. and Oxon., D.Sc. Syd. Prof.
Hannan, E. J., B.Com. Melb. Res. Fellow.

Research School of Pacific Studies

Anthropology and Sociology
Nadel, S. F. S., D.Phil. Vienna, Ph.D. Lond. Dean and Prof.
Stanner, W. E. H., M.A. Syd., Ph.D. Lond. (Compar. Social Institutions) Reader.

Research Fellows
Penny, R. E. C., B.A. Melb.
Mayer, A. C., Ph.D. Lond.
Lawrence, P.

Far Eastern History
FitzGerald, C. P. Prof.
Mulder, G., Drs. Ley. Sr. Res. Fellow.

Research Fellows
Ackroyd, Joyce I., B.A., Dip.Ed. Syd.
McKillop, B. C., B.A. Camb. and Syd.

Geography
Spate, O. H. K., M.A., Ph.D. Camb. Prof.
Jennings, J. N., M.A. Camb. Reader.

Research Fellows
King, H. W. H., M.A. Syd., Dip. Ed.
Langford-Smith, T., B.A. Melb., B.Sc. Syd., M.Sc. Adel.

International Relations
..... Prof.
Lindsay, M. F. M., M.A. Oxon. Sr. Fellow.
Storry, G. R., M.A. Oxon., Dip. Ed. Lond. Res. Fellow.

Pacific History
Davidson, J. W., M.A. N.Z., Ph.D. Camb. Prof.

Research Fellows
Gilson, R. P., M.A. S. Calif., M.Sc. Lond.
West, F. J., B.A. Leeds, Ph.D. Lond.
Drus, Ethel, M.A. Cape T., Ph.D. Lond.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrars: ..... ; D. K. R. Hodgkin, B.Sc. (Econ.) Lond.
Accountant: W. S. Hamilton, A.A.U.Q. Staff Architect: E. J. Scollay.

Lab. Manager (Med. Sch.): A. F. Bunker. Lab. Manager (Phys. Scis.): R. Purchase.

GENERAL INFORMATION

The Australian National University was founded by an Act of the Parliament of the Commonwealth of Australia in 1946. The Act provided for the establishment at Canberra of a Univ. consisting of a Council and Convocation, and graduate and undergraduate members. The Council is the governing body of the Univ., but in the Univ.'s early years, until July 1951, its affairs were in the hands of an Interim Council. The permanent Council, which was constituted in 1951, consists of not more than thirty members, including the Vice-Chancellor, four members elected by Parliament, up to eight appointed by the Governor-General, up to nine elected by Convocation, three elected by the academic staff and two by students. The sr. academic body of the Univ. is the Board of Graduate Studies, which consists of the Dirs. and Profs. The Board assists the Council by tendering advice on all questions affecting education, learning and research in the Univ. There is also a Faculty (in the English sense) within each of the Res. Schools. Convocation will eventually consist mainly of the Council and graduates of the Univ., but at the outset the opportunity was taken to add to it the Chancellor and Vice-Chancellor and five other representatives of each other Australian Univ. institution. Under the founding Act, the primary function of the Univ. is to encourage and provide facilities for postgraduate research, both generally and in relation to subjects of national importance to Australia.

Research Schools. As was contemplated by the Act, the Univ.'s activities are in the first instance concentrated on the establishment of four Research Schools—the John Curtin School of Medical Research (named after Australia's war-time Prime Minister), and Research Schools of Physical Sciences, Social Sciences and Pacific Studies. The development of other Schls. has been indefinitely deferred, and the incorporation of Canberra University College, which is provided for in the Act, is at present being considered.

It is intended that each School should be led by a Director, but the responsibility for the organization of the work of particular Depts. within the Schools will rest with their professorial heads. A Director has been appointed in the Research School of Physical Sciences, but in the other three Schools Deans have been appointed as a temporary measure. In addition to the Directors and Professors, the staff comprises permanent Readers, Senior Fellows and Fellows, and short-term Sr. Research Fellows and Research Fellows. The Univ. is seeking to provide members of staff with the most favourable conditions for research. They will have their whole time available for research, their teaching and administrative duties being of a quite minor kind. They will have opportunity to move about among their colleagues in Australia. Professors will be at liberty to take a yr.'s study leave with full salary after each 3 yrs. of service, Readers after each 5 yrs. of service, and Senior Fellows and Fellows after each 6 yrs. of service.

All Depts. of Res. Schools, except that of Med. Chem., are now located in Canberra. The permanent bldgs. for the Res. Sch. of Phys. Scis. have now been completed, and the remaining Schls. are housed in temp. bldgs. pending the construction of permanent bldgs.

Each Dept. of the Res. Schools accepts a small number of graduate res. students of first-class calibre, the general minimum entrance qualification being a Master's degree or its equivalent in a University of sr. standing. Each student is assigned to a supervisor, and pursues a course of res. under

supervision. Subject to certain conditions, the student may proceed to the Ph.D. degree (normally after three yrs.' work) or an M.A. or M.Sc. (usually after two yrs.' work). The Univ. will also confer the degrees of D.Litt., D.Sc. and LL.D. for distinguished work in appropriate fields published by persons with a real connexion with the Univ.

INCOME (1953). £A646,909. Running Exp.: Commonwealth grants, 96·6 per cent.; rentals, 2·8 per cent.; fees, 0·1 per cent.; grants and donations, 0·5 per cent. Commonwealth grants for capital works, £A1,002,000.

ANNUAL FEE: £A52 : 10s. (covers all charges except board and residence).

RESIDENCE. Single students are normally required to live in University House (*see below*), and married students within easy access of the Univ. precincts. Master of University House: Prof. A. D. Trendall.

SCHOLARSHIPS. From 1948 to 1951 the Univ. awarded some 75 res. scholps. to relatively recent graduates of high promise, for study abroad. At present the Univ. offers 15 scholps. annually, but they are now intended mainly to support some specially able students working in the Univ. itself. The emoluments of the scholps. tenable in the Univ. vary according to the scholar's circumstances, but are of the order of £A615-£A750 p.a.

The Univ. from time to time issues invitations to distinguished sr. scholars to visit Australia, conducting discussions with interested people not only in Canberra but in the other Australian Univs.

LIBRARY. The Library, which was assembled in Melbourne and brought to Canberra late in 1950, now comprises some 70,000 bound vols. and about 20,000 vols. in the Oriental collection.

BUILDINGS. The Univ. site consists of 204 acres of well-situated land in the Canberra suburb of Acton. The first permanent bldg. erected was the lab. of the Res. Sch. of Physical Sciences. University House, which provides collegiate accomm. for about 130 single staff members and graduate students, and forms a social centre and fac. club for the Univ., was opened in 1954. The labs. for the John Curtin School of Medical Res. are under construcn. and bldgs. for the other two schools, the Library and ancillary services are being planned. Housing is a major problem in Canberra and in the present difficult situation the Univ. has undertaken some responsibility for finding living accomm. for the members of its staff.

PUBLICATIONS. *Calendar*, 7s. 6d. A news bulletin describing the Univ.'s development is issued gratis every few weeks, and will be supplied on request.

THE YEAR 1953

BENEFACTIONS. Commonwealth Bank of Australia, £A1500 for res. on myxomatosis. Swedish-Australian Cultural Fund, £A1600; Norwegian-Australian Cultural Fund, £A2300.

PRINCIPAL LEGISLATION. Faculties and Faculty Boards Statute; Staff Superannuation Statute.

NEW DEPARTMENTS AND POSTS. Chair of Far Eastern Hist. New staff grade of Sr. Fellow and Departmental Asst.

BUILDINGS, ETC. Progress contd. on University House; Office Block for Res. Sch. of Physical Scis. completed. Site vested in the Univ.

GENERAL. Mr. L. G. Melville apptd. Vice-Chancellor. First Master and Fellows of University House apptd. London office closed. A Students' Association and a Staff Association formed.

DEATH. Dr. W. K. Rolph (Pol. Sci.).

STUDENT NUMBERS. Men, 38 ; Women, 8 ; Total, 46. All were res. students.

UNIVERSITY OF MELBOURNE*

Founded and incorporated 1853

Postal Address: Carlton, N.3, Victoria, Australia.
Telephone: Melbourne, FJ 0484.

VISITOR—H.E. THE GOVERNOR OF VICTORIA, Sir DALLAS BROOKS, K.C.B., K.C.M.G., D.S.O.

CHANCELLOR—Hon. Mr. Justice ARTHUR DEAN, Q.C., LL.M.

DEPUTY-CHANCELLOR—COLIN MACDONALD GILRAY, O.B.E., M.C , B.A. N.Z., M.A. Oxon. and Melb.

VICE-CHANCELLOR—Professor GEORGE WHITECROSS PATON, LL.D. Glas., B.A , B.C.L. Oxon., M.A.

REGISTRAR—F. H. JOHNSTON, B.A., B.Com., J.P.

DEAN OF GRADUATE STUDIES—J. S. ROGERS, M.C., B.A., D.Sc., Dip.Ed., F.I.P.

ACCOUNTANT—R. P. TEMBY.

ASSISTANT REGISTRAR—A. J. G. WILLIAMS, B.Arch.

ACADEMIC SECRETARY—J. C. WOODHOUSE, B.A. Syd.

LIBRARIAN—LEIGH SCOTT, M.A.

TEACHING STAFF

Accountancy, v. Com.

Agriculture, v. also Bot.

Wadham, S. M., M.A. Camb. and Melb., Agr.Dip. Camb. Prof.
Leeper, G. W., M.Sc. (Agr. Chem.) Assoc. Prof.

Senior Lecturers

Vasey, G. H., B.C.E. (Agric. Engin.).
Robinson, T. J., M.Sc. (Agric.) W. Aust., Ph.D. Camb. (Physiol. of Domestic Animals).
Hird, F. J. R., Ph.D. Camb., M.Agr.Sc. (Ag. Biochem.).
Aitken, Yvonne, M.Agr.Sc. Lectr.
8 Lectrs. (Pt.-time Officers).

Anatomy

Sunderland, S., M.D., B.S., D.Sc., F.R.A.C.S., F.R.A.C.P. Prof.
Russell, K. F., M.B., M.S., F.R.A.C.S. Assoc. Prof.

Senior Lecturers

Ray, L. J., M.B., B.S., Ph.D.
Lavarack, J. O., M B., B.S., Ph.D. (Embryol. and Histol.).
Roche, A. F., M.B., B.S., Ph.D.
Merrillees, N. C. R., M.B., B.S. (Embryol. and Histol.).

Lecturer-Demonstrators

McVey, I. L., M.B., B.S.
Tuckfield, P. C., M.B., B.S.

* Member of the Association of Universities of the British Commonwealth.

Senior Demonstrators

Brearley, K. S., M.B., B.S.
Cornwell, K. B., M.B., B.S.
Jones, G. R., M.B., B.S.
Littlejohn, W. E. I., D.Sc., M.B., B.S.
2 Pt.-time Officers.

Anthropology

Thomson, D. F. F., O.B.E., Ph.D. Camb., D.Sc., Dip. Anthrop. Camb. and Syd. Res. Fellow.

Architecture

Lewis, B. B., B.Arch., M.A. (Arch.) Liv. F.R.I.B.A., F.R.A I.A. (on leave) Prof.
Featherstone, R. E., Dip.Arch. Des., F.R.A.I.A. Actg. Prof

Senior Lecturers

Berg, R., Dip.Arch.Des., F.R.A.I.A.
Waugh, H. L., Dip.Arch., F.R.A.I.A.
Janeba, F. A., M.Arch. Melb., Dip.Arch. Vienna.
Abercrombie, N. G., M.A. (Arch.) Camb.
Parker, R. G., Dip.Arch. Liv., F.R.I.B.A., F.R.A.I.A.

Lecturer

Good, Eileen M. F., Dip. Arch.

Temporary Lecturers

Alexandra, D. D., B.Arch.
Saunders, D. A. L., B.Arch.
16 Pt.-time Lectrs.

Bacteriology, v. Med.

Biochemistry

Trikojus, V. M., B.Sc., D.Phil. Oxon., M.Sc. Prof.
Rawlinson, W. A., M.Sc. Assoc. Prof.
Legge, J. W., M.Sc. Sr. Lectr.
Hird, F. J. R., Ph.D. Camb., M.Agr.Sc. (Ag. Biochem.) Sr. Lectr.
Morton, R. K., B.Agr.Sc. Syd., Ph.D. Camb. (Plant Biochem.) Sr. Lectr.
Crabtree, Muriel G., M.Sc. Lectr.
Cahn, Mrs. Audrey J., B.Agr.Sc., Dip.Diet. (App. Dietetics and Food Preparation) Lectr.
McQuillan, Mary T., M.Sc., Ph.D. Lectr.
Crane, C. W., B.Sc., M.B., B.S. Lond. (Med. Biochem.) Res. Fellow and Temp. Lectr.
Lottkowitz, Mrs. Jean C., M.Sc. Sr. Demr.
Marginson, M.A., B.Sc. Sr. Demr.
Henderson, R. W., B.Sc. Sr. Demr.
1 Pt.-time Officer.

Botany and Plant Physiology

Turner, J. S., M.A., Ph.D. Camb., M.Sc. Prof.
McLennan, Ethel I., D.Sc. Assoc. Prof.
Carr, D. J., B.Sc., Ph.D. Manc. Sr. Lectr.
Fawcett, Stella G. M., M.Sc. Sr. Lectr.
Cookson, Isabel C., D.Sc. Res. Fellow.
Blackwood, Margaret, M.Sc. Lectr.
Fisher, F. J. F., M.Sc. Lectr.
Ducker, Sophie C., B.Sc. Sr. Demr.
Brittain, E. G. Sr. Demr.
Ashton, D. H., B.Sc. Sr. Demr.
Matthaei, E. A. F., Dip. Optics Jena (Microscopy) Lectr.

Chemistry

Anderson, J. S., B.Sc., Ph.D. Lond., M.Sc., F.R.S. Prof.
Davies, W., D.Sc. Manc. and Melb., D.Phil. Oxon. (Org. C.) Prof.
Hambly, A. N., M.Sc., Dip.Ed. (Phys. C.) Assoc. Prof.

Senior Lecturers

Buchanan, A. S., B.Sc., Ph.D. (Phys. C.).

Duncan, J. F., M.A., B.Sc., D.Phil. Oxon. (Inorg. C.).

Cooke, R. G., M.Sc. Adel. (Org. C.).

Pausacker, K. H., M.Sc., D.Phil. Oxon. (Org. C.).

Brown, R. D., M.Sc., Ph.D. Lond. (General C.).

Lecturers

Stephenson, Emily F. M., M.Sc., Ph.D. Glas. (Org. C.).

O'Donnell, T. A., M Sc., Ph.D. (General C.).

Palmer, A. R., M.Sc. (Analyt. C.).

Senior Demonstrators

Segal, W., M.Sc. (Org. C.).

Haynes, H. F., M.Sc. (Org. C.)

Street, N., B.Sc. (Anal. C.).

Craig, R. A., M.Sc. (Phys. & General C.).

Gardner, H. J., B.Sc. W. Aust. (Phys. & General C.).

Radford, Joan T., B.Sc. (Phys. & General C.).

Stranks, D. R., M.Sc. (Phys. & Inorg. C.).

Research Assistants

Gallagher, K. J., B.Sc., Ph.D. Belf.

Hyde, B., B.Sc. Brist.

4 Pt.-time Officers.

Classical Studies

Scutt, C. A., M.A. Camb. and Melb. (on leave) Prof.

Hunt, H. A. K., M.A. Oxon., B.A. Syd., Litt.D., Dip.Ed. Prof.

Gellie, G. H., M.A., B.Ed. Sr. Lectr.

Tanner, R. G., B.A. Camb., M.A. Lectr.

McKay, K. J., M.A. Temp. Lectr.

Commerce

Foenander, O. de R., LL.M., Litt.D. Actg. Prof.

Senior Lecturers

Goldberg, L., B.A., M.Com. (Acctcy.).

Fryer, D. W., M.Sc. (Econ.) Lond. (Econ. Geog.).

Bayne, Mary M., M.A., Dip.Ed. (Econ. Geog.).

Samek, R. A., M.A., LL.B., M.Litt. Camb. (Comml. Law).

Lecturers

Kerr, Jean S., B.Com. (Acctcy.).

Stewart, W. J., B.A., B Com. (Acctcy.).

Senior Tutor

Donath, E. J., M.A. Vienna (Econ. Geog.).

Temporary Tutors

Woods, C. S., B.Com. (Econ. Geog)

Barton, A. D., B.Com. (Acctcy.).

Librarian-Demonstrator

Pulver, S., Ph.D. Vienna.

25 Pt.-time Officers.

Dental Science, v. *infra*

Dutch, v. Germanic Languages

Economic History

La Nauze, J. A., M.A. Oxon., B.A. W. Aust. Prof.

Dunsdorfs, E., M.A., D.Ec. Riga Sr. Lectr.

Cairns, J. F., M.Com. Sr. Lectr.

Chernick, S., M.A. Tor. Lectr.

Tucker, G. S. L., Ph.D. Camb., B.Com. Lectr.

Ronaldson, Marjorie G., M.A. Sr. Tutor.

Economic Research

Downing, R. I., B.A. Prof.

Harcourt, G. C., B.Com. Res. Officer.

Economics, v. also Com.

Prest, W., M.A. Leeds, M.A. (Com.) Manc., M.Com. Prof.
Polglaze, Muriel J., M.B.E., M.Com. Assoc. Prof.

Senior Lecturers

Isaac, J. E., Ph.D. Lond., B.Com.
Cochrane, D., Ph.D. Camb., B.Com. (Math. Econ.).

Lecturers

Boxer, A. H., B.Phil. Oxon., B.A.
Rowan, D. C., B.A. Brist.
Davidson, F. G., M.A. Camb.

Temporary Lecturers

Frearson, K. S., D.F.C., B.A. W.Aust.
Rivett, K. D., M.A.

Senior Tutors

Harper, R. J. A., B.Com.
Wallace, R. H., B.Com.
Ronaldson, Marjorie G., M.A. (on leave).

Tutor

Prowse, A. R., B.Com.
5 Pt.-time Officers.

Education

Browne, G. S., M.C., M.A. Oxon. and Melb., Dip.Ed. Oxon., Lond. and Melb. Prof.
Aughterson, W. V., Ph.D. Lond., M.A., Dip.Ed. Sr. Lectr.
Wyeth, E. R., B.A. Q'ld., Ed.D. Calif., M.Ed., Dip.Ed. Q'ld. Sr. Lectr.
Coates, T. H., B.Sc., M.Ed., Ph.D. Lond. Sr. Lectr.

Lecturers

Cartwright, R.
Olphert, W. B., M.A., Dip.Ed. N.Z.
French, E. L., B.A., B.Ed.
Battersby, Olive, B.A. Sr. Tutor and Librarian.
1 Pt.-time Sr. Lectr., 20 Pt.-time Lecturers.

Engineering, v. *infra*

English Lang. and Lit.

Maxwell, I. R., B.Litt. Oxon., B.A., LL.B. Prof.
Macartney, K. L., M.A. Camb., B.A. (Drama) Assoc. Prof.

Senior Lecturers

Scott, W. A. G., B.Litt. Oxon., B.A.
Jennings, Vera C., M.A. Oxon. and Melb. (on leave).

Lecturers

Dobson, T. P., B.A. Camb. and Melb.
Goldberg, S. L., B.Litt. Oxon., B.A.
Tomlinson, T. B., B.A., LL.B. W.Aust., B.A. Camb.
O'Keefe, Mary T., B.A.

Senior Tutors

Tennent, Amy G. C., M.A., Dip. Ed.
Cowling, Mrs. Muriel M., B.A. Leeds, Dip.Ed. (on leave).
Buckley, V. T., B.A.
Roper, Mrs Ailsa E., M.A.
Barnes, R. J., B.A.
Dow, H., A.B. Harv.
1 Pt.-time Tutor

Fine Arts

Burke, J. T., O.B.E., M.A. Lond., Yale and Melb. Prof.
Philipp, F. A., B.A. Sr. Lectr.
1 Pt.-time Officer.

Forestry

Chinner, J. H., B.Sc. Oxon. and Melb. Sr. Lectr.-in-charge.
9 Pt.-time Officers.

French

Chisholm, A. R., O. Lég. d'H., B.A. Syd. and Melb. Prof.

Senior Lecturers

Karagheusian, V. N. T.
Sussex, R. T., D. de l'U. Paris, M.A., LL.B. (on leave).

Lecturers
Canart, P. L. J. C., B.A.
Smith, I. H., B.A., D. de l'U. Paris.
Burger, Mrs. Claire H., M.A.
Wykes, Olive, B.A.
4 Pt.-time Officers.

Geology and Mineralogy
Hills, E. S., Ph.D. Lond., D.Sc., D.I.C., F.R.S. Prof.
Tattam, C. M., Ph.D. Lond., Sc.D. Colo. Sch. Min., B.Sc. Assoc. Prof.
Wilcock, A. A., B.Sc., B.Ed. (Geography) Sr. Lectr.
Hauser, H. B., M.Sc. Lectr.
den Tex, E., Dr.Phil.Nat. Ley. Lectr.
Ringwood, A. E., M.Sc. Demr.
Finlay, Cecily, B.Sc. Syd. Res. Asst.
1 Pt.-time Officer.

Germanic Languages
Samuel, R. H., Dr.Phil. Berl., Ph.D. Camb, M.A. Prof.
Coverlid, Dorothea R., M.A., Dip.Ed. (German) Sr. Lectr.
Smit, J., Litt.D. Utrecht (Dutch and Germanic Philol.) Sr. Lectr.
Wiemann, H., M.A. (German) Sr. Lectr.
MacLean, H., M.A., Ph D, Dip. Ed. (German) Lectr.
Meijer, R. P., M.A. Amst. (Dutch) Lectr.
Ruff, Eva., M.A. (German) Tutor.
4 Pt.-time Officers.

History
Crawford, R. M., B.A. Syd., M.A. Oxon. and Melb. Prof.
Fitzpatrick, Kathleen E., M.A. Oxon., B.A. Assoc. Prof.

Senior Lecturers
Harper, N. D., M.A., B.Ed.
O'Brien, J. L., B.A. Camb. and Syd., M.A.
McBriar, A. M., D.Phil. Oxon., B.A.

Lecturers
Ericksen, R. F. S., B.A.
Main, J. M., B.Litt. Oxon., B.A.
Adam, L., LL.D. Greifswald, F.R.A.I.
Williams, C. M., D.Phil. Oxon., B.A.
Yule, G. S. S., M.A.
Serle, A. G., D.Phil. Oxon., B.A.
Shineberg, Mrs. Dorothy L., M.A.
Smith, B.A. (Actg.)
Mackie, J. A. C., B.A. Oxon. and Melb. (Actg.)
Mulvaney, D J., B.A. Camb., M.A. Asst Lectr.

Senior Tutors
Kiddle, Margaret, M.A., Dip.Ed. (on leave).
O'Neill, J. C., B.A.
Roe, O. M., B.A.
Glow, Mrs. Lotte, B.A.

Tutors
Kent, B. E.
Croydon, Marilyn M
3 Pt.-time Officers.

History and Methods of Science
Buchdahl, G., M.A. Sr. Lectr.-in-charge.
Dyason, Diana, M.Sc. Lectr.
Clendinnen, F. J., B.A. Sr. Tutor.
Gasking, Mrs. Elizabeth B., B Sc., Dip.Ed. Liv. Tutor.

Languages (Science Courses)
Horwood, E. K., B.A. Lectr.-in-charge.
Rosenberg, Anita, LL.D. Giessen Lectr.

Law
Professors
Cowen, Z., M.A., B.C.L. Oxon., B.A., LL.M. (Public L.) (on leave).
Derham, D. P., M.B.E., B.A., LL.M. (Jurisprud.).

Donovan, F. P., B.A., B.C.L. Oxon., LL.B. Adel. & Q'ld., LL.M. (Commercial L.).

Senior Lecturers

Turner, A. L., B.A., LL.M.
Ford, H. A. J., LL.M.
Morris, N. R., Ph.D. Lond., LL.M.
Leyser, J., D.Jur. Freiburg, LL.B.

Independent Lecturers (Pt.-time)

McInerney, M. V., M.A., LL.M. (Proced. & Evidence).
Phillips, P. D., Q.C., M.A., LL.B. (Priv. Int. L.).
Lush, G. H., LL.M. (Merc. L.).
Aickin, K. A., LL.M. (Company L.).
Newton, H. R., LL.M. (Executors & Trustees).
Gowans, U. G. J., Q.C., LL.B. (Industr. Law).
Emmerson, K. A. M., B.A., LL.B. (Taxation).
Gubbins, F. R., LL.B. (Professional Conduct).
Doherty, J., LL.B. (Accounts).
Morrell, C. F. C., B.A., LL.M. (Domestic Relations)
Fox, P. M., LL.B. (Conveyancing).
Dunn, R. H., LL.M. (Crim. Proc.).

Tutors

Young, J. M., M.A. Oxon., LL.B.
Crockett, W. C., LL.M.
Cohen, S. H., B.A., LL.M.
Magee, F. J., B.Com.

Tutors in Drafting and Conveyancing (Pt.-time)

Ness, K. A.
Birch, F. L.
Joseph, M. H.
Pearce, A. D.
Kearney, J. F.

Tutors in Mercantile Law

Martin, W. J., LL.B.
McGarvie, R. E., LL.B.

Tutors in Principles of Property

Harris, W. O., LL.M.
Blake, Mrs. Airlie, LL.B.
Mornane, J. W. J., B.A., LL.M.

Mathematics, Pure and Mixed

Cherry, T. M., Ph.D., Sc.D. Camb., B.A. Camb. and Melb., F.R.S. (Appl. Maths.) Prof.
Love, E. R., Ph.D. Camb., B.A. Camb. and Melb. (Pure Maths.) Prof.

Senior Lecturers

Behrend, F. A., Ph.D. Berl., Sc.D. Prague, M.A. (on leave).
Schwerdtfeger, H. W. E., Dr.Phil. Bonn.
Syer, F. J. D, M.B.E., B.A., Dip.Ed.
Brown, A., Ph.D. Camb., M.A. Glas.
Hurst, C. A., Ph.D. Camb., B.A., B.Sc.

Lecturers

Hutton, Mrs. Eleanor S., M.A. Camb., B.Sc. W.Aust.
Lester, Margaret, B.A.

Senior Tutors

Upton, C. J. F., B.A. Oxon.
Greig, Mrs. Dulcie J., B.Sc. W. Aust.

Medicine, v. *infra*

Metallurgical Research

Greenwood, J. N., D.Sc. Manc. and Melb., M.Met.E. Prof.
Wood, W. A., D.Sc. Manc., F.I.P. Sr. Res. Fellow.

Metallurgy, v. Engineering, *infra*

Meteorology

Loewe, F., Ph.D. Berl. Sr. Lectr.-in-charge (Commonwealth).

Research Officers (Commonwealth)

Albrecht, F., Ph.D., Dr.Habil. Berl.
Radok, U., B.Mech.Eng Munich, Ph.D

Grant, Alison M., M.Sc.
Sr. Demr.
Treloar, H. M., B.Sc. Adel., LL.B., D.Sc., F.I.P.
Attached Officer, Cwth. Pub. Service.

Mineralogy, v. Geology, *supra*

Mining, v. Engineering, *infra*

Music

Heinze, Sir B. T., Degré Sup. Schola Cantorum, Paris, Mus. Doc. W.Aust., LL.D. Br. Col., M.A., F.R.C.M. Prof.
Jones, Rev. P., Ph.D., Mus.Doc.
Vice-Dir.

Pharmacology

Shaw, F. H , Ph.D. Lond., M.Sc.
Prof.
Holman, Mollie E., B.Sc. Demr.

Philosophy

Gibson, A. B., M.A. Oxon., D.Litt. Camb., B.A. Prof.
Gasking, D. A. T., M.A. Camb., B.A. Liv. Assoc. Prof.

Senior Lecturers

Jackson, A. C., Ph.D. Camb., M.A
Falk, W. D., M.A. Oxon., Ph.D. Heidel.

Lecturers

Warren, Mrs. Olga M., M.A.
Baier, K. E. M., D.Phil. Oxon., M.A.
Gunner, D. L., M.A.
Rollins, C. D., B.A. Nebraska.
Teichmann, M. E., M.A. Tutor.
2 Pt.-time Officers.

Physical Education

Duras, F., Dr.Med. Freiburg, M.Ed. Sr. Lectr.-in-charge.
McConchie, Lorna J., Dip.Phys. Ed. Lectr.
Willee, A., B.A., Dip.Phys.Ed. Lond. Lectr.
Gill, Eunice, E. P., B.A., Dip.Phys. Ed. Lectr.
23 Pt.-time Officers.

Physics

Martin, L. H., C.B.E., Ph D. Camb., F.I P. Prof.

Associate Professors

Hercus, E. O., M.Sc. N.Z., D.Sc., F.I.P.
Mohr, C. B. O., Ph.D. Camb., F.I.P.

Senior Lecturers

Bower, J. C., M.Sc., Ph.D. Camb., F.I.P.
Hopper, V. D., D.Sc., F.I.P.
Kannuluik, W. G., D.Sc., F.I.P.
Cherry, R. O., M.Sc , F.I.P.
Caro, D. E., Ph.D. Birm.
Swan, P., Ph.D. Lond., M.Sc.
Sir Thomas Lyle Res. Fellow.

Lecturers

Dunbar, D. N. F., M.Sc. N.Z., Ph.D., F.I.P.
Darby, J. F. G., M.Sc., Ph.D., F.I.P.

Senior Demonstrators

Laby, Jean E., M.Sc.
Abbey, R. L., M.Sc.
Officer, V. C., M.Sc. N.Z.
Dyer, A. J., M.Sc.
McDonell, J. A., B.A., M.Sc.
Bird, J. R., M.Sc.
Muirhead, E. G., M.Sc.
Norman, J. R., M.Sc.
Rouse, J. L., B.A., M.Sc.
Moroney, J. R., M.Sc.
Campbell, J. G., M.Sc.

Physiology

Wright, R. D., M.B., M.S., D.Sc., F.R.A.C.S., F.R.A.C.P. Prof.

Senior Lecturers

Agar, W. T., B.Sc. Oxon. and Melb., M.B., B.S.
Trethewie, E. R., D.Sc., M.D., B.S.

Lecturers

Keogh, Patricia P., M.Sc.
Dewhurst, D. J., M.Sc.

Senior Demonstrators

Brewster, Blanche L., B.Sc.

Hutchinson, Margaret.
Sargeant, Mrs. Delys, B.Sc. W. Aust.
1 Pt.-time Officer.

Plant Physiology, v. Botany, *supra*

Political Science

Ball, W. M., M.A. Prof.
Davies, A. F., M.A. Sr. Lectr.
Burns, C. L., B A. Oxon. and Melb. Sr. Lectr.
Churchward, L. G., M.A., Dip.Ed. Lectr.
Wolfsohn, H. A., B.A. Lectr.
Encel, S., M.A. Sr. Tutor.
2 Pt.-time Officers.

Psychology

Oeser, O. A., M.Sc. S.A., Ph.D. Camb., Dr.Phil. Marburg, M.A., F.B.Ps.S. Prof.
McElwain, D. W., M.A. Melb. and N.Z., Ph.D. Lond., F.B.Ps.S. Assoc. Prof.

Senior Lecturers

Lafitte, P., B.Sc. Lond., M.A.
Hammond, S. B., B.A. W. Aust., Ph.D.
Waterhouse, I. K., M.A., Ph.D. Yale, B.A. Syd.
Jeffrey, A. C., M B., B.S., B.Sc.

Lecturers

Langley, P. D., B.A. W.Aust., B.Ed.
Emery, F. E., B.Sc. W.Aust., Ph.D.
Howarth, E., M.Sc. Manc.
Danziger, K., B.A., M.Sc. Cape T., D.Phil. Oxon.

Temporary Senior Tutors

Craig, R. E., B.A.
Anderson, D. S., B.A.
McKenzie, Beryl E., B.A.
Mainland, Margaret O., B.A.
Palmer, Virginia C., M.A.
Bandy, Nona, B.A. W. Aust.
Scott, Wilma A., B.A.

Tutors

Potanin, Natalia, B.Sc. Q'ld.
Star, K. H.
van Sommers, P.
Kinsman, Irene, B.A. Res. Asst.
15 Pt.-time Officers.

Pub. Health, v. Med., *infra*

Russian

Christesen, Nina, B.A. Q'ld. Sr. Lectr-in-charge.
Christa, B., B.A. Camb. Lectr.
Yashounsky, Mrs. Marga E. Sr. Tutor.

Tutors

Grizinskis, D.
Ughtzky, Mrs. Zinaida.

Semitic Studies

Goldman, M. D., Ph.D. Berl., M.A. Prof.
Gurewicz, S. B., B.A., LL.B. Lectr.
4 Pt.-time Officers.

Social Studies

Hoban, Eileen R., B.A., B.Com., Dip.Ed., Cert. Soc. Sc. & Adm. Lond. Sr. Lectr.

Lecturers

Rennison, Gwendoline A., M.A. Camb., Cert. Soc. Sc. & Adm. Lond.
McBriar, Mrs. Laurie R. C., B.A.
Hyde, Alice, Dip.Soc.Stud. Liv.
Hartshorn, Alma, B.A. Q'ld., Dip. Soc.Stud. Syd.
Sharp, G. B., M.A.
8 Pt.-time Officers.

Statistics

Belz, M. H., Chev. Lég. d'H., M.Sc. Camb., B.Sc. Syd., M.A. Prof.
Watson, G. S., B.A., Ph.D. N. Carolina Sr. Lectr.
Leslie, R. T., M.A., B.Sc. (on leave) Lectr.
Binet, F. E., Dr.Med. Bud. Sr. Tutor.

Doig, Alison G., B.A., B.Sc.
Sr. Tutor.

Surveying, v. Engineering, *infra*

Veterinary Science, v. *infra*

Zoology

Tiegs, O. W., M.Sc. Q'ld. and Melb., D.Sc. Adel., F.R.S. (on leave) Prof.
Drummond, F. H , B.Sc. W.Aust., Ph.D. Lond. Actg. Prof

Senior Lecturers

Clark, A. M., Ph.D. Camb., M.Sc.
Boardman, W., M.Sc. Syd.
Willis, A. G., M.Sc. Wales.

Senior Demonstrators

Gunson, Mary M., M.Sc.
Mollison, Essie L., M.Sc.
Chaney, Jennifer A., B.Sc. W. Aust.
Richardson, Mrs. Joyce R., M.A. N.Z.
Hobson, N. H., B.Sc. Demr.
Dobrotworsky, N., M.Sc. Leningrad Georgina Sweet Fellow.

Dental Science

Anæsthetics

Kaye, G., M.D., B.S., F.F.A.R.C.S
Sr. Lectr. (Half-time)

Clinical Photography

Tuckfield, W. J., D.D.Sc. Melb., Sc.D. Northwestern, F.D.S.R.C.S., F.A.C.D.

Conservative Dental Surgery

Down, C. H., D. D. Sc., F.D.S.R.C.S., F.A.C.D.
Prof. and Sub-Dean of Fac.

Lecturers and Sr. Demonstrators

Down, H. R., B.D.Sc. (on leave).
Ewart, C. R., B.D.Sc.
Cock, D. J., B.D.Sc.
Campbell, M. J. A., B.D.Sc.
McIntosh, H. A., B.D.Sc.

Senior Demrs. (Pt.-time)

Bowen, P. E. S., B.D.Sc.
Bowen, Vera A., B.D.Sc.
Crapp, I. E., D.D.Sc.
Willsmore, N. M., D.D.Sc.
Winch, R., B.D.Sc.
Woodhouse, W. B., D.D.Sc. (on leave).
Sharpe, F. V., B.D.Sc.

Dental Prosthetics

Atkinson, H. F., M.B.E., L.D.S., M.Sc., D.D.S. Manc., M.D.Sc. Prof.
Shepherd, R. W., M.D.Sc.
Sr. Lectr. & First Asst.

Lecturers and Sr. Demrs.

Walker, W. G., M.D.Sc.
Dennis, C. G., M.D.Sc.
Gill, H. I., B.D.Sc.
Harcourt, J. K., B.D.Sc.

Senior Demrs. (Pt.-time)

Brown, F. B., B.D.Sc. Melb., D.D.S. Northwestern.
Campbell, J. S., B.D.Sc.
Williams, L. R. A., B.D.Sc. Melb., D.D.S. Northwestern.
Johnson, F. R., M.D.Sc.
Johnson, K., M.D.Sc.
Sier, E. F., B.D.Sc.

Ethics and Practice Management

Amies, A. B. P. Prof.
Cowen, Z., M.A., B.C.L. Oxon., B.A., LL.M. Melb. Prof.
Aird, F. A., D.D.Sc.
Down, C. H. Prof.
Gaunson, F. H., B.D.Sc.
Gillies, R. M., B.D.Sc. Melb., D.D.S. Penn.

Human and Comparative Dent. Anat.

Down, C. H., D.D.Sc., F.D.S.R.C.S , F.A.C.D. Prof.

Medicine

Davis, M. C., M.D., F.R.A.C.P.
Sr. Lectr. (Pt.-time).

Clinical Demrs. (Pt.-time)
Ray, J., M.B., B.S.
Kingston, W. R., M.B., B.S.
Earle, J. A., M.B., B.S.
Scott, W. N. C., M.B., B.S

Metallog. and Dent. Materials
Worner, H. K., D.Sc., F.I.M. Prof.
Docking, A. R., M.Sc. Sr. Lectr.

Oral Embryol. and Oral Histol.
Atkinson, H F., M.B.E., M.S., D.D.S. Manc., M.D.Sc., L.D.S. Prof.

Oral Pathology and Oral Surgery
Amies, A. B. P., C.M.G., D.D.Sc., D.L.O., F.R.C.S. Ed., F.R.A.C.S., F.D.S.R.C.S., F.A.C.D., F.R.S. Prof., Dean of Fac. and Principal, Australian Coll. of Dent.
Sealey, V. T., D.D Sc. (Oral Surg.) Sr. Lectr.
Dott, W A., D.D Sc. (Oral Surg.) Lectr. & Sr. Demr.
Piercey, J. M., M.B., B.S., D.D.Sc. (Oral Surg.) Hon. Clin. Demr.
Fleming, W. E., M.B., B.S., D.D.Sc. (D. and Oral Pathol.) Sr. Lectr.
Sullivan, M. M., M.D.Sc. (D. and Oral Pathol.) Hon. Sr. Demr
Dott, W. A., D.D.Sc. (D. and Oral Pathol.) Sr. Demr.

Senior Demrs. in Exodontics
Wallace, N. G., D.D.Sc.
Dott, W. A., D.D.Sc.
Smith, W. T.
Riordan, W., B.D.Sc. (Radiol.)

Orthodontics
Adamson, K. T., D.D.Sc. Sr. Lectr.-in-charge (Pt.-time).

Senior Demrs. (Pt.-time)
McIntyre, K., M.D.Sc.
Newbury, C. R., M.D.Sc.
Parker, A. R., D.D.Sc.
Spring, D. F., D.D.Sc.
Storey, E., M.D.Sc.
Wilkinson, J. V., B.D.Sc., B.Sc.

Periodontics
Andrews, N. H., D.D.Sc. Lectr.

Pharmacology and Therapeutics
Shaw, F. H., Ph.D. Lond., M.Sc. Prof.

Preventive Dentistry and Dietetics
Sullivan, M. M., M.D.Sc.

Surgery
Trinca, A. J., F.R.C.S., F.R.A.C.S. Sr. Lectr. (Pt.-time).
Stewart, J. C., F.R.C.S., F.R.A.C.S. Lectr. (Pt.-time).

Clinical Demrs. (Pt.-time)
Gunter, J. D. S., M.B., B.S.
Smith, D., M.B., B.S.

Engineering

Civil Engineering
Francis, A. J., M.Sc., Ph.D. Birm., M.C.E. Prof.
Sexton, C. W. N., M.C.E. (Civil E.) Assoc. Prof.
Wood, J. V., B C.E., Dip.C.E. Sr. Lectr.
Laszlo, F, D.Ing. Darmstadt, M.C.E., Dipl.Ing. Bud. Sr. Lectr.
Trollope, D. H., M.Sc. Wales Sr. Lectr.
Lawson, J. D., Ph.D. Aberd., B.E. W. Aust. Sr. Lectr.
Hosking, N. G., M.A. Oxon., B.E. Adel. Lectr.
Coldicutt, Mrs. Elizabeth B., M.Sc., Dip.Ed. Sr. Demr.
Williamson, W. H., B.C.E. Demr.

1 Pt.-time Officer.

Electrical Engineering

Moorhouse, C. E., B.Mech.E., M.E.E. (on leave) Prof.
Ferguson, A. E., M.E.E. Actg. Prof.

Senior Lecturers

Brownlee, T., B.Sc. (Elec. Eng.) Glas.
Broadbent, D., B.Sc. (Elec. Eng.) Birm., M.Eng.Sc.

Senior Demonstrators

Bonwick, W. J.
Hooper, D. E.

Demonstrators

Jackson, C.
Jones, E.
Mackley, K. W., B.E.E., M.Eng Sc. Res. Officer.

Mechanical Engineering

Henderson, P. L., Ph.D. Camb., M.E. Syd., M.Mech.E. Prof.
Hunt, K. H., M.A. Oxon. Sr. Lectr.
Gilet, P. G. M., B.Sc., B.E. Syd., F.I.P. Sr. Lectr.
Kettleborough, C. F., B.Eng., Ph.D. Sheff. Sr. Lectr.
Whitton, P. W., B.Sc. (Eng.), Ph.D. Lond. Sr. Lectr.
Svensson, N. L., B.Mech.E. Lectr.
Joubert, P. N., B.E. (Aero.) Syd. Lectr.
Delatycki, O., Dipl.Ing. Sr. Demr.
Rendell, A. P., B.Mech.E. Sr. Demr.
Good, Eileen M. F., Dip.Arch. Sr. Demr.
Campbell, D. W. (Machine Tools) Demr.
Chalmers, J. C. (Heat Engines) Demr.
1 Pt.-time Officer.

Metallurgy

Worner, H. K., D.Sc., F.I.M. Prof.
Willis, G. M., M.Sc. (Chem. M.) Sr. Lectr.

Lecturers

Smith, R., B.Met.E., M.Eng.Sc. (Metallography).
Guerin, B. D., B.Sc. (Assaying)
Hoggart, J. S., B.Met.E. (Mech. M.).

Senior Demonstrators

Walker, D. G., M.Sc.
Borland, D. W., B.Met.E.

Indust. Res. Officer

Cullen, G. V.

Research Officers

Head, R. B., M.Sc. (Eng.) Lond.
Bett, F. L , B.Met.E.

Mining

Dunkin, H. H., B.Met.E. Assoc. Prof.
Carr, J. S., B.Sc., B.E. (Min.) N.Z , M.S. (Met. Eng.) Missouri Sch. Min., S.M. M.I.T. (Ore Dressing). Sr. Lectr.
Nevill, H. F.-C. (M. Engin.) Sr. Lectr.
Tranar, W. J., B.Sc. Res. Asst.
1 Pt.-time Officer.

Surveying

Thornton-Smith, G. J., B.E., B.Surv. W.Aust., M.C.E. Assoc. Prof.
Buley, J. V., B.Sc. Sr. Lectr.

Medicine

(for subjects of first 3 yrs.—Anat., etc., v. *supra*)

Anæsthetics

Kaye, G. A., M.D., B.S., Pt.-time Lectr.

Bacteriology

Rubbo, S. D., Ph.D. Lond., B.Sc. Syd., M.B., B.S., Dip.Bact. Prof.
Gray, D. F., D.Sc. Q'ld., B.V.Sc. Syd. and Q'ld., M.Sc., Dip. Bact. Assoc. Prof.

Senior Lecturers

Huybers, K. A., M.B., B.S. Q'ld., Dip.Bact.

Gibson, F. W. E., D.Phil. Oxon., B.Sc.

Lecturers

Mushin, Rose, M.Sc., Ph.D.

Millis, Nancy, Ph.D. Brist., M.Agr.Sc.

Gardner, Joan F., D.Phil. Oxon., M.Sc.

Senior Demonstrator

Keogh, Barbara, M.Sc. (on leave).

Public Health Laboratory

Wilson, M. M., M.A., M.B., B.Chir. Camb. Asst. Dir.

Swaby, L. J., B.Agr.Sc. Sr. Bacteriologist.

Cooper, G. N., B.Sc. Sr. Bacteriologist.

Bacteriologists

Price, Lorna O., B.Sc.

Cornish, Claire, B.Sc.

Maw, Patsy, B.Sc.

Nichol, Margaret, M.B., B.S

Merrifield, Enid.

Grant, Dora.

12 Pt.-time Officers.

Experimental Medicine

Burnet, Sir F. Macfarlane, Ph.D. Lond., Sc.D. Camb., D.Sc. W. Aust., M.D., F.R.C.P.Ed., F.R.A.C.P., F.R.S. Director, Walter & Eliza Hall Research Inst., Prof.

Anderson, S. G., M.D., B.S. Sr. Haley Res. Officer.

Members of Staff of Walter and Eliza Hall Inst.

McLean, D. M., M.B., B.S., B.Sc.

French, E. L., M.Sc. Adel.

Curtain, C. C., Ph.D.

Medical Ethics

Dickson, C. H., M.B., B.S. Pt.-time Lectr.

Med. Jurisprudence

Bowden, K. M., M.B., M.S. Pt.-time Independent Lectr.

McCallum, N. E. W., M.Sc. Pt.-time Res. Worker.

Medicine

Hayden, J. G., C.B.E., M.D., B.S., F.R.C.P., F.R.A.C.P. (Pt.-time) Stewart Lectr.

Clarke, M. V., M.D., B.S. (Pt.-time) Stewart Scholar and Lectr.

Medicine, Clinical

Clinical Supervisors in Hospitals

Neerhut, K. J., M.B., B S. (Royal Melb. Hosp.).

Stubbe, J. L., M.D., B.S. (Royal Melb. Hosp.).

Hill, R. A., M.B., B.S., F.R.C.S. (St. Vincent's Hosp.).

Lenaghan, D., M.B., B.S. (St. Vincent's Hosp.).

Kingston, W. R, M.B., B.S. (Alfred Hosp.).

Gunter, J. D. S., M.B., B.S. (Alfred Hosp.).

Neal, B. W., M.B., B.S. (Royal Children's Hosp.).

Normal Psychology

Part-time Lecturers

Sinclair, A. J. M., M.D., B.S.

Williams, J. F., M.D., B.S., D.P.M. Lond., F.R.A.C.P.

Gorman, J. L., M.B., B.S., D.P.M. (Actg.)

Reynolds, P. G., M.B., B.S.

Obstetrics and Gynæcology

Townsend, S. L., M.B., B.S., D.T.M. & H., F.R.C.S.Ed., F.R.A.C.S., F.R.C.O.G. Prof.

Professorial Unit at Women's Hospital

Godfrey, G. G., M.B., M.S., D.G.O., F.R.A.C.S. (Gynæcol.) First Asst.

Forster, F. M. C., M.B., B.S. (Gynaecol.) Second Asst.
Long, A. R., M.B., B.S., D.G.O., F.R.A.C.S. (Obstet.) First Asst.
Bond, A. G., M.B., B.S. (Obstet.) Second Asst.
Campbell, Kate I., M.D., B.S. (Infant Welfare) Pt.-time Clin. Lectr.
Colebatch, J. H., M.D., B.S., D.C.H., F.R.A.C.P. (Infant Welfare) Pt.-time Clin. Tutor.
Macdonald, C., D.M.R.E. Camb., M.B., B.S., F.F.R., F.R.A.C.P. (Radiol.) Pt.-time Lectr.
Rose, W. McI., M.D., B.S. (Medical Diseases) Pt.-time Lectr.
Hayes, W. I., M.B., B.S., D.G.O. Dub., F.R.A.C.S., F.R.C.O.G. (Obstet.) Thalia Roche Demr.

Pædiatrics

Southby, R., M.D., B.S., F.R.A.C.P. Pt.-time Lectr.

Pathology

King, E. S. J., D.Sc., M.D., M.S., F.R.A.C.P., F.R.C.S., F.R.A.C.S. Prof.
Christie, G. S., M.D., B.S., F.R.A.C.S. (on leave) Sr. Lectr.
Menzies, D. W., M.B., Ch.B. Glas. Sr. Lectr.

Senior Associates

Bettinger, H. F., M.D. Bres.
Hicks, J. D., M.B., B.S.
Jackson, A. V., M.D., B.S.
Perry, J. W., M.B., B.S.
Smith, A. T., M.D., B.S.
Funder, J. F., B.Sc., M.B., B.S.
Birrell, J. H. W., M.B., B.S. Asst. Curator of Museum.
Whiteside, M. G., M.B., B.S. Lectr.
McCallum, N. E. W., M.Sc. (Chem. Pathol.) Lectr.
Fleming, W. B., M.B., B.S., F.R.A.C.S. Res. Scholar.
Johnson, N., M.B., M.S., F.R.A.C.S Res. Scholar.
McLean, K. H., M B., B.S. Res. Scholar.
Briggs, G. W., M.B., B.S. Res. Probationer.

Part-time Officers

Bignell, J. L., M.B., B.S., D.O., F.R.C.S., F.R.A.C.S. (Diseases of the Eye) Lectr.
Anderson, R. M., M.B., B.S. (Neuropathol.). Lectr.
Taft, L. I., M B., B.S. (Beaney Scholar) Sr. Demr.
Williams, A. L., M.B., B.S. (Pathol. for Dent. Students) Special Lectr.

Lecturers/Demonstrators

Plueckhahn, V. D., M.B., B.S.
Reid, S. F., O.B.E., M.B., M.S., F.R.C.S., F.R.A.C.S.
Robinson, B. J., M.D., B.S.
Stahle, I. O., M.D., B.S., D.D.M. Syd.
Webb, R. G., M.B., M.S., F.R.C.S.
Wettenhall, H. N. B., M.D., B.S.
Harkness, G., M.B., B.S.
Steward, H. D., M.B., B.S.
Swinburne, T. G., M.B., B.S., D.L.O., F.R.C.S., F.R.A.C.S Hon. Res. Schol.

Pharmacy

Stanton, B. L., M.B., B.S., F.R.A.C.P. Pt.-time Lectr.

Radiology

Part-time Lecturers

Crisp, E. R., M.D., B.S., D.M.R.E. Camb.
Mackay, A. J. G., M.B., B.S., D.R. Edin., F.R.C.S.Ed., F.R.A.C.P.
Casey, E. W., M.B., B.S., D.M.R.
Piper, A. E., M.B., B.S., D.D.R.

Social Medicine

Dougan, N. K., M.B., B.S., D.P.H. Syd. (Public Health) Temp. Lectr.

Surgery

Coates, A. E., O.B.E., M.D., M.S., F.R.C.S., F.R.A.C.S. Pt.-time Independent Stewart Lectr.

Reid, S. F., O.B.E., M.B., M.S., F.R.C.S., F.R.A.C.S. Pt.-time Stewart Lectr.

Kelly, A. R. K., M.B., B.S., F R.C.S., F.R.A.C.S. Guy Miller Lectr.

Eddey, H. H., B.Sc., M.B., B.S., F.R.C.S., F.R.A.C.S. (Surg. Anat.) Ind. Lectr.

Leslie, D. R., M.B., M.S., F.R.C.S , F.R.A.C.S. (Surg. Anat.) Asst. Lectr.

Lawson, R. S., M.B., M.S., F.R.C.S., F.R.A.C.S. (Surg. Anat.) Asst. Lectr.

Donald, C. D., M.B., B.S., F.R.C.S.

Therapeutics

Part-time Lecturers

Frew, J. L., M.D., B.S., F.R.A.C.P.

Clarke, J. E., M.D., B.S., F.R A.C.P.

Hughes, J. F., M.D., B.S., D.T.M., F.R.A.C.P.

Bottomley, E. E. K., M.B., B.S.

Garlick, H. W., M.D., B.S.

Veterinary Science

Albiston, H. E., D.V.Sc. Dir. of Vet. Res. Inst.

Pullar, E. M., D.V.Sc. Sr. Vet. Res. Officer.

Gorrie, C. J. R., B.V.Sc. Sr. Vet. Res. Officer.

Swift, Norma H., B.Sc. Bacteriologist and Biochemist.

Milk Bacteriologists

Martin, Mrs. Florence M., B.Agr.Sc.

Eales, Jean D., M.Sc.

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICE. Sec. of Sci. and Med. Section: F. G. Elford, B.Sc., B.Ed. Sec. of Schools Bd.: W. V. Aughterson, Ph.D. Lond., M.A. Clerk of Students' Records: E. Finn. Clerk of Public Examns.: F. H. Johnston. Fee Clerk: R. H. Shurey. Admin. Assts.: W. E. F. Berry, B.A., B.Com.; E. J. P. Clayfield, B.Sc.; J. Deeble, B.Sc.; J. E. Warfe, M.A., Dip.Ed. Asst. to Registrar: S. H. Sheffield, B.A. Res. Sec.: N. H. Olver, M.Sc. Publications Officer: W. H. Leatherdale. Sub-Accountant: R. A. Cumming, B.Com. Maintenance Officer: S. W. Gray. Student Counsellor: R. R. Priestley, B.A. Q'ld.

LIBRARY. Asst. Librarian: K. A. Lodewycks, B.A.

UNIVERSITY PRESS. Manager and Sec.: G. F. James, M.A. Birm. Asst. Reader: Barbara M. Ramsden, B.A.

CONSERVATORIUM OF MUSIC. Sec.: I. P. Fiddian.

AUSTRALIAN COLLEGE OF DENTISTRY. Librarian: Miss H. Rankine. Sec.: D. W. Smith, LL.B., B.Com.

EXTENSION COMMITTEE. Sec.: D. Broadbent, B.Sc. (Elec. Eng.) Birm., M.Eng.Sc.

VISUAL AIDS DEPARTMENT. Dir.: N. H. Rosenthal, B.A., B.Sc.

FACULTY WORKSHOPS. Officer-in-charge: E. A. F. Matthaei, Dip. Optics Jena.

APPOINTMENTS BOARD. Sec.: H. F. Downes, Dip.Com.

UNIVERSITY UNION. Warden of the Union: B. C. J. Meredith, O.B.E., B.A., Dip.Ed. Sec.: Edith C. Cameron.

SPORTS UNION. Sec., W. K. Tickner, Dip.Com.

RESIDENTIAL COLLEGES—Controlled by representatives of the Churches but open to members of all religious denominations:

TRINITY COLLEGE, Carlton, N.3, Victoria. (*Telephone*: FJ 1001 (Trinity), FJ 2208 (J.C.H.).) (Church of England.) Warden—R. W. T. Cowan, B.A. Adel., M.A., B.Litt. Oxon., M.A. Dean—J. R. Poynter, B.A. Oxon. and Melb. Principal of Janet Clarke Hall—Mary Bagnall, M.A. 23 other Tutors.

ORMOND COLLEGE, Carlton, N.3, Victoria. (*Telephone*: FJ 4494.) (Presbyterian.) Master—B. Newton-John, M.A. Camb. 24 other Tutors.

QUEEN'S COLLEGE, Carlton, N.3, Victoria. (*Telephone*: FJ 5968.) (Methodist.) Master—R. C. Johnson, M.A. Oxon., D.Sc. Lond. and Melb., Ph.D. Lond. 21 other Tutors.

NEWMAN COLLEGE, Carlton, N.3, Victoria. (*Telephone*: FJ 5915 (Newman), FJ 1032 (St. Mary's Hall.). (R.C.) Rector—Very Rev. J. P. Gleeson, B.Litt. Oxon., B.A. Dean—Rev. J. Fahey. Superior of St. Mary's Hall—Mother Dympna. 21 Tutors.

UNIVERSITY WOMEN'S COLLEGE, Carlton, N.3, Victoria. (*Telephone*: FJ 2539.) (Undenom.) Principal—Myra E. Roper, M.A. Camb., Dip.Ed. Lond. 12 Tutors.

GENERAL INFORMATION

The Univ. was founded in 1853 by an Act of the Victorian Legislature and declared open in 1855. In 1854 a site of about 100 acres was reserved for Univ. purposes. Schools of Law and Med. were established in 1857 and 1862 respectively. The ceremonial Wilson Hall (destroyed by fire in 1952) was opened in 1882, a year after women students were first admitted. Residential colleges were established as follows: Trinity, 1872; Ormond, 1881; Queen's, 1888; Newman, 1919. The Conservatorium of Music was opened in 1895 and the College of Dentistry affiliated with the Univ. in 1904. A year later schools of Dent. and Agric. were established. By 1909 more than 1000 students were attending the Univ.; this had risen to 2000 by 1920, and during the ensuing 10 yrs. schools of Arts, Anat., Bot. and Geol. were built and the Univ. Press established. In 1935 the Univ.'s first salaried Vice-Chancellor was apptd., previous holders of that office having acted in an honorary capacity. 1937 saw the establishment of Union House, a recreation centre for students, now 4000 strong, and the opening of Univ. Women's College, to which major extensions were made in 1952. Chem. and Comm. buildings were opened in 1939. The student body increased from 4400 in 1939 to 9100 in 1947; this influx necessitated the opening, in 1947, of a branch of the Univ. at Mildura, where, for 3 yrs., first-year students in several Facs. were trained. Numbers have since fallen to 7028 in 1953.

CONSTITUTION. The Council is composed of 32 members—elected by graduates (10); representatives of the teaching staff (5); of affiliated colls. (2), undergrads. (2); apptd. by the Govt. (8) (3 being Members of Parliament, the others representing business interests and technical schools); *ex officio* (3); and co-opted members (2). Convocation (the body of grads.) elects a Standing

Cttee. with certain legislative and advisory functions. There is a Professorial Board, and individual courses are controlled by Facs. and Bds. of Studies.

INCOME (all figures in Australian currency). In 1953, total expenditure for all funds amounted to £1,601,725 (including £78,297 for land and bldgs.) as against total income of £1,678,475 which included £71,928 donations and bequests for capital purposes and £46,700 Govt. grants for salary improvements in 1954. The accumulated deficit in the Univ. General Fund at 31st Dec. 1953 was £123,164. The State Govt. has fixed an amount of £604,000 as its contribution to the Univ. during the financial year 1953–54.

FACULTIES AND DEANS (1954). *Agriculture*, Prof. S. M. Wadham (Agric.); *Architecture*, Prof. B. B. Lewis (Archit.); *Arts*, Prof. J. T. Burke (Fine Arts); *Dental Science*, Prof. A. B. P. Amies (Dent. Sci.); *Economics and Commerce*, Prof. W. Prest (Econ.); *Education*, Prof. G. S. Browne (Educn.); *Engineering*, Prof. H. K. Worner (Metallurgy); *Law*, Prof. Z. Cowen (Law); *Medicine*, Prof. S. Sunderland (Anat.); *Music*, Sir B. Heinze (Music); *Science*, Prof. V. M. Trikojus (Biochem.); *Veterinary Science*, Prof. R. D. Wright (Physiol.).

LOCATION OF OUTSIDE DEPARTMENTS. *Dept. of Experimental Medicine*: Royal Melbourne Hospital, Parkville, N.2, Melbourne. *Veterinary Research Institute*: Parkville, N.2, Melbourne. *Dental College*: 193 Spring St., Melbourne, C.1.

LIBRARIES. Central Library, 127,800 vols. Branch libraries: Agric., 3789; Archit., 1926; Botany, 4455; Conservatorium, 673; Engin. and Metallurgy, 12,778; Forestry, 545; Geology, 9222; Zool., 5298; Chem., 4899; Medicine, 25,295.

MUSEUMS. Agric., Chem., Dent. Sci., Geol., Hist., Music (Percy Grainger), Pathol., Zool.

LABORATORIES. Agric., Anat., Bacteriol., Biochem., Botany., Chem., Civ. Engin., Dental Sci., Elect. Engin., Exper. Med., Geol. and Mineral., Mech. Engin., Metall., Meteorol., Mining, Obstet. and Gynæcol., Pathol., Physics, Physiol., Psychol., Statistics, Vet. Sci., Zool.; also Forestry (Field Station), Bot. (System Garden); and several Commonwealth Govt. Labs. (including X-ray and Radium, and C.S.I.R.O. sections). *Veterinary Research Institute*, Parkville, *Walter and Eliza Hall Research Institute*, in connexion with Royal Melb. Hosp.

TEACHING HOSPITALS. *General Hospitals*: Royal Melbourne Hosp., Alfred Hosp., St. Vincent's Hosp., Prince Henry's Hosp. *Special Hospitals*: Women's Hosp., Queen Victoria Memorial Hosp., Royal Children's Hosp., Victorian Eye and Ear Hosp., Fairfield Hosp. Mental Hosp. (Royal Park).

ADMISSION. *See* Appendix I.

NON-MEMBERS OF THE UNIVERSITY are not admitted to classes.

PUBLIC EXAMINATIONS. The University through its Schools Board holds School Intermediate and School Leaving examns. throughout Victoria annually. Pupils of certain secondary schools (approved after inspection) may obtain credit on headmaster's certificate without sitting for external examn. The Matriculation Examn. (1 yr. after School Leaving) is held for pupils seeking to enter the Univ. Special provision exists for the matriculation of discharged members of the Services and adults. *See also* Appendix I.

DEGREE COURSES. 3 yrs.—B.A. (Ordinary), B.Sc. (4th yr. for Hons.), B.Sc.F., B.Com. (Ordinary); 4 yrs.—B.A. (Hons.), B.Com. (Hons.), LL.B. Pass, Hons., Mus.Bac., B.C.E., B.M.E., B.Met.E., B.E.E., B.Mech.E., B.Surv.,

B.Chem.E., B.Agr.Sc. (including 1 yr. at an approved Agricultural College); 5 yrs.—B.Arch., B.D.Sc.; 6 yrs.—M.B., B.S. The University is prohibited by Act of Parliament from conferring degrees in Divinity; degrees of B.D. and D.D. are conferred by the Melbourne College of Divinity (non-Univ.).

HIGHER DEGREES. Open to Bachelors of 1 yr.'s standing—M.Agr.Sc., LL.M., M.Eng.Sc.; 2 yrs.'—B. Ed., M.Sc., M.Sc. F., M.D., M.S., M.D.Sc., M.V.Sc.; 3 yrs.'—M.Ed., M.C.E., M.M.E., M.Met.E., M.E.E., M.Mech.E., M.Chem.E., Mus.Doc., D.V.Sc.; 4 yrs.'—D.Sc., LL.D., D.D.Sc.; 5 yrs.'—D.Eng., M.Arch., D.Arch.; 7 yrs.'—Litt.D. The M.A. and M.Com. are open to Bachelors (Honours) of 1 yr.'s standing and Bachelors (Ordinary) of 2 yrs.' standing. The B.Ed. course (of 2 yrs.' duration) can be taken after graduation in any other Faculty. Standing required before admission to the Ph.D. course varies according to the Faculty in which prior degree was taken. Courses of medical postgraduate study arranged by special Committee on which Univ. is represented.

DIPLOMAS. D.P.H., open to med. grads. of Melb. and persons qualified for registration as med. practrs. in U.K., 12 mos.; Ophthalmology, Laryngology and Otology, Gynæcology and Obstetrics, Therapeutic Radiology, Diagnostic Radiology, Anæsthesia and Psychological Medicine (D.O., D.L.O., D.G.O., D.T.R., D.D.R., D.A., D.P.M.), open by examn. to med. grads. of 3 yrs.' experience in practice. Dietetics (Dip.Diet.), 1 yr. following B.Sc. or B.Agr.Sc. course; Dip.Ed., 1 yr. following graduation in any other Faculty; Journalism, Physical Education, Public Admin., Town and Regional Planning (Dip.Journ., Dip.Phys.Ed., Dip.Pub.Admin., D.T.R.P.), 2 yrs.' undergraduate study; Music, Social Studies (Dip.Mus., Dip.Soc.Stud.), 3 yrs.' undergraduate study; Dip.Agr., Dip.Arch.Des., 4 yrs.' undergraduate study.

FEES (all figures in Australian currency). Matricn., 2 gs.; Degree (except Dental Science, 8 gs.), 10 gs.; Degree courses in Agric., 4 yrs., £330; Archit., 5 yrs., £420; Arts, 3 yrs., £210; 4 yrs., £255; Commerce, 3 yrs., £252; 4 yrs., £270; Dent. Sci., 5 yrs., £633; Educn., 2 yrs., £93; Engin., 4 yrs., £360; Law, 4 yrs., £341; Med., 6 yrs., £623; Music, 4 yrs., £360; Science, 3 yrs., £270; 4 yrs., £330; Social Studies, 3 yrs., £270; Sports Entrance Fee, £1 : 10s.; Annual Sports Fee, £2 : 5s.; Union Entrance Fee, £4 : 4s.; Annual Union Fee, £6; S.R.C. Fee, 12s.

ACADEMIC YEAR. March to Nov. Four terms: 1st term, 10 weeks; 2nd term, 9 weeks; 3rd and 4th terms, 7 weeks each.

ADULT EDUCATION. Adult education in Victoria, which was formerly directed by the University Extension Board, is now controlled by the Council of Adult Education under the provisions of a special Act of Parliament.

VACATION COURSES. No regular courses are provided by the University, but from time to time certain departments arrange special courses during the long vacations.

PRINCIPAL "OPEN" AWARDS. Aitchison Scholp., Commonwealth Scholps., Dick Bursaries, Free Places, Gowrie Scholps., Moran Bursaries, Rest-Home Bursary, Senior Govt. Scholps., War Bursaries. A Students' Loan Fund has assets exceeding £A81,700.

Sir Thomas Lyle Fellowship in Physics; H. W. C. Simpson Research Scholp.; Georgina Sweet Fellowships in (*a*) Economic Zool., (*b*) Medicine, (*c*) Economic Geol.; Hirsh and Olga Taft Interchange Scholp.; Dunlop Rubber Company Research Scholps. in Physics. and Chem.; Vacuum Oil Co. Research Scholp.; Argus, Stawell and Melvin Memorial Scholps. in Engin.; Stewart Scholp. in Med.; Walter and Eliza Hall Fellowship in Vet. Sci.;

Sir John and Lady Higgins Research Scholp.; Sir Arthur Sims Travelling Scholp.; Dixson Research Scholp. in Engin.; Margaret Catto Scholp.; Grants and Scholps. from Commonwealth and Victorian State Govt. funds; I.C.I.A.N.Z. Research Fellowships (2); Grimwade Prize; Harbison-Higinbotham Scholps.; Ernest Scott Prize; David Syme Research Prize; Monsanto Scholp. in Chem. (*See aslo* Appendices II and III.)

RESIDENCE (all figures in Australian currency). The Residential Colls. accommodate over 600 resident students. Trinity College (210 gs.), 119 students; Janet Clarke Hall (180 gs.), 70 students; Ormond College (200 gs.), 138 students; Queen's College (200 gs.), 115 students; Newman College (155 gs.), 103 students; University Women's College (165 gs.), 93 students. (*See also* p. 1012.)

APPOINTMENTS BOARD. The Appointments Board provides an employment service for men and women with Univ. training. It has reciprocal agreements throughout Australia and the U.K. whereby Boards of other Univs. make their services available to graduates and undergraduates of the Univ. of Melbourne. The Board also arranges vacation work. (*See also* p. 1012.)

MILITARY AND AIR FORMATIONS. Melbourne University Regiment (military) and University Air Squadron.

STUDENT HEALTH SERVICE. The Students' Representative Council, in conjunction with Commonwealth X-ray and Radium Labs., conducts a free X-ray service. It also conducts a free eye-testing scheme in conjunction with the Australian Coll. of Optometry. The S.R.C. has also set up a Blood Bank.

STUDENTS' UNIONS. Union House, established in 1937, is the centre of student activities; it is governed by the Union Bd. of Management, on which both staff and students are represented. The bldg. includes a theatre, art gallery, library (Rowden White), reading rooms and cafeteria. A Students' Representative Council, established in 1915, organizes student functions and services and supervises clubs and societies.

GRADUATE UNION. In 1938, when the present Union House was created, a graduates' section of the Melbourne Univ. Union came into being. By 1954, membership of the society had risen to over 2500. As from 1953, the grad. soc. has had independent status under the Council as the Graduate Union. The Graduate Union produces its own magazine: *The Melbourne Graduate.* Women grads. may belong to the Melbourne Women Graduates' Assocn., a branch of the Australian (and International) Federation of Univ. Women.

ATHLETIC FACILITIES. Facilities for cricket, football, athletics, tennis, hockey, basket-ball, baseball, rowing, squash racquets, fencing, lacrosse.

PUBLICATIONS. *Calendar* (March), 12s. 6d. net (handbooks containing extracts and general information relevant to each Faculty published separately, 3s. each); *Annual Examination Papers*, in sets, 3s. each; *Handbook of Public Examns.*, 10s.; *Conservatorium Prospectus*; *Manual of Public Examinations in Music*; *Research Report*; *University Gazette* (containing academic news and official announcements) published during term; *Melbourne Graduate* (magazine of Graduate Union); *Circulars to Schools*, published about 10 times a year and forming a link between the University and the secondary schools. *A History of the University of Melbourne*, by Prof. Ernest Scott (Melbourne Univ. Press, 1936). Students' journals: *Melb. Univ. Magazine*; *Farrago* (weekly); *Speculum* (Medical); *The Margin* (Commerce); *Res. Judicatæ* (Law); *Science Review* (Science); *Cranks and Nuts* (Engineering); *Present Opinion* (Arts).

The MELBOURNE UNIVERSITY PRESS, founded in 1922, publishes works by members of the Univ. and other writers on learned subjects in Australia and New Zealand. It also sells text-books, and caters for students' requirements in stationery and apparatus. (*See also* p. 1011.)

THE YEAR 1953

BENEFACTIONS (all figures in Australian currency). £13,300 from Rural Credits Development Fund of Cwth. Bank of Austr. for res. in Agric., Bot. and For.; £12,000 from Estate of Mary Warren for cancer res.; £9594 from Anti-Cancer Council of Victoria—£4000 towards Cyclotron in Phys. Dept. and remainder for res. in Pathol., Biochem., Obstet. and Gynaecol.; £5396 from Estate of Miss M. A. M. Lockie for advancement of literature within Austr.; £4089 from Estate of Dr. Francis Haley; £3100 from Estate of W. J. Foote for Library; £2430 from Estate of E. C. E. Dyason; £2260 from Electr. Res. Bd., C.S.I.R.O., for Dept. of Electr. Engin.; £2000 from Estate of Miss D. E. A. J. Smith for cancer res. and Edwin Nonus Smith Scholp.; £2000 from Consolidated Zinc Pty. Ltd. for res. in Dept. of Metall.; £1900 from Messrs. David Syme & Co. Ltd. for the *Age* Chair of Archit.; £1835 from Rotary Club of Melbourne towards Old Age Res. Project; £1798 from the *Herald*—£1548 for the *Herald* Chair of Fine Arts and £250 towards Cyclotron in Phys. Dept.; £1750 from Victorian Chamber of Manufactures, including £1000 for Cyclotron in Phys. Dept.; £1611 from Estate of J. J. I. Winter; £1561 from Australian National Airways Pty. Ltd.; £1540 from Estate of Elizabeth Maguire for prizes or exhibns. for Law students; £1411 from Estate of E. I. Tait (balance in connection with Frank S. Ellis Memorial account); £1400 from Australian Paper Manufacturers Ltd., including £1000 for Engineering Appeal and £400 for res. in nuclear phys.; £1350 p.a. from Victoria Racing Club for investigation and res. into methods of testing for presence of drugs in horses; £1220 from Kraft Foods Ltd. for Bacteriol. and Appts. Bd.; £1200 from I.C.I.A.N.Z. Ltd. for Res. Scholps.; £1002 from Estate of Mary Taylor for a scholp. in Fr. Lang. and Lit.; £1000 from Mrs. Margaret Outhwaite for a scholp. in Law; £1000 from Estate of Mrs. E. M. Shaw for a wind tunnel at Engin. Sch.; £1000 from Dunlop Rubber Australia Ltd. for res. scholps.; £1000 from anon. donor for Dept. of Psychol.; £1000 from British Medical Insurance Co. for Medical Appeal; £1000 from anon. donor for International House Appeal; £1000 from Nicholas Pty. Ltd.—£500 each for Chair of Pharmacol. and Physiol. Assay Fund.

NEW BUILDINGS. Baillieu Lab. for Metall. Res. completed and occupied.

NEW DEPARTMENTS AND POSTS. Chairs of Germanic Langs., Commercial Law, Org. Chem., Pure Maths., Pharmacol.; Assoc. Professorships of Commerce and Econ.

PRINCIPAL CHANGES IN REGULATIONS. Increase in fees for all courses. Abolition of pre-requisites for Sci. course.

ADULT EDUCATION WORK. Adult Educn. in Victoria, formerly directed by Univ. Extension Bd., now controlled by Council of Adult Educn. under provisions of a special Act of Parliament.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. P. M. S. Blackett, Lond.; Prof. H. J. Emeleus, Camb.; Prof. B. Higgins, M.I.T.; Prof. Frances Moran, Dub.; Fulbright Lectrs.—Dr. E. E. Dale, Oklahoma; Dr. J. Franklin Hunt, Hamilton, N.Y.; Dr. C. O. Johnson, Washington State; Dr. F. C. Phillips, Brist.; Sir Ronald Fisher, Camb.; late Prof. G. V.

Portus, formerly of Adel. ; Prof. Mary E. Murphy, Los Angeles State Coll. of Appl. Arts and Scis. ; Prof. M. Dyllon, Dublin Inst. of Advanced Studies.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. The Vice-Chancellor (Prof. Paton) attended the meeting of Executive Hds. of Commonwealth Universities at Durham and the quinquennial Commonwealth Universities Congress at Cambridge ; Prof. Browne went as Visiting Prof. at the Portland State Educn. Centre in Oregon ; Prof. Cowen went as a Visiting Prof. in the Harvard Law School ; Prof. Gibson represented the Univ. at the installation of the Chancellor of the Univ. of Southampton and was a delegate at the quinquennial Commonwealth Universities Congress ; Dr. S. B. Hammond (Psychology) studied at the Univ. of Michigan ; Prof. Sunderland was a delegate at the quinquennial Commonwealth Universities Congress and went to the Johns Hopkins Univ. as a Visiting Prof. of Anat. ; Prof. Samuel visited various Univs. in the U.K.

RESIGNATIONS. K. F. Alder (Metall.), apptd. to post with Australian Atomic Energy Commission ; Dr. D. F. Buckle (Psychol.), apptd. to W.H.O., Geneva ; A. J. Gaskin (Geol.), apptd. to C.S.I.R.O. ; R. Grounds (Archit.), to private practice ; Dr. I. C. Heinz (Pathol.), apptd. to post with Cwth. Repatriation Commission ; D. M. Hocking (Econ.), apptd. to post with Cwth. Dept. of Defence ; D. W. Lees (Mech. Engin.), apptd. Designing Engineer with Melb. and Metrop. Tramways Bd. ; Dr. S. Ormerod (Bacteriol.), to private practice ; H. N. Paine (Bacteriol.), to do res. at Q'ld. Univ. ; Dr. R. W. Parsons, Sir Thomas Lyle Fellow in Phys., apptd. Prof. of Phys., Hong Kong Univ.

DEATHS. G. A. Ampt (Sr. Lectr. in Chem.) ; A. R. Brown (Sr. Libr. Asst) ; W. M. Buntine (former member of Council) ; E. W. Skeats (Emer. Prof. of Geol.) ; Miss Ruth Sugden (former Lectr. in Chem.) ; E. D. Ulrich (former Librarian) ; G. L. Wood (Prof. of Commerce).

STUDENT NUMBERS.

	Full-Time	*Part-Time*	*External*
Men	3098	1904	406
Women	1030	525	65
Total	4128	2429	471

Postgraduate students, 224.

New admissions, 1542.

Students from other countries, 265. (Countries from which largest numbers came : Federation of Malaya, 83 ; India, 43 ; Singapore, 28 ; Ceylon, 24 ; U.S.A., 25 ; Hong Kong, 18.)

DEGREES. *Agric.* : B.Agr.Sc., 17 ; M.Agr.Sc., 6 ; *Archit.* : B.Arch., 33 ; M.Arch., 1 ; *Arts* : B.A. (Hons.), 20 ; B.A., 225 ; M.A., 30 ; Ph.D., 3 ; *Comm.* : B.Comm. (Hons.), 4 ; B.Comm., 147 ; M.Comm., 4 ; *Dental Sc.* : B.D.Sc., 9 ; M.D.Sc., 5 ; D.D.Sc., 6 ; *Educn.* : B.Ed., 30 ; M.Ed., 2 ; *Engin.* : B.C.E., 39 ; B.E.E., 23 ; B.Mech.E., 38 ; B.M.E., 2 ; B.Met.E., 5 ; B.Chem.E., 5 ; B.S., 2 ; M.C.E., 1 ; M.Mech.E., 2 ; M.Met.E., 1 ; M.Eng.Sc., 2 ; *Law* : LL.B. (Hons.), 7 ; LL.B., 59 ; LL.M., 2 ; *Med.* : M.B., B.S., 155 ; M.S., 2 ; M.D., 5 ; Ph.D., 3 ; *Music* : Mus.Bac., 17 ; *Science* : B.Sc., 112 ; B.Sc.F., 8 ; M.Sc., 22 ; D.Sc., 3 ; Ph.D., 5 ; *Vet. Sc.* : D.V.Sc., 1. *Total number of first degrees awarded*, 957.

DIPLOMAS. *Arch.*: Dip. Town and Reg. Plan., 3; *Comm.*: Dip. Comm., 30; Dip. Pub. Admin., 6; *Educn.*: Dip. Ed., 55; *Journalism*: Dip. Journ., 3; *Med.*: Dip. Anaesth., 2; Dip. Diag. Rad., 6; Dip. Laryngol. and Otol., 1; Dip. Ophthalmol., 4; Dip. Psychol. Med., 5; Dip. Therapeut. Rad., 1; *Music*: Dip. Mus., 10; *Phys. Educn.*; Dip. Phys. Educn., 14; *Science*: Dip. Dietetics, 1; *Soc. Studies*: Dip. Soc. Studies, 11. *Total number of diplomas awarded*, 152.

[*Information compiled as at* 21/6/54;
Staff list revised on 18/10/54.]

THE UNIVERSITY OF NEW ENGLAND*

Incorporated 1954; previously established as the New England University College, 1938

Postal Address: Armidale, New South Wales, Australia.
Telegrams: University, Armidale.
Telephone: Armidale 432.

CHAIRMAN OF THE COUNCIL—The Rt. Hon. Sir EARLE PAGE, G.C.M.G., C H., M.B., Ch.M., Hon. D.Sc. Syd., F.R.C.S., F.R.A.C.S.

VICE-CHANCELLOR—R. B. MADGWICK, D.Phil. Oxon., M.Ec. Syd.

REGISTRAR—W. M. ROBB, M.A. Syd.

ACCOUNTANT—J. S. STIMSON.

LIBRARIAN—EDITH M. TATTERSALL, B.A. W. Aust.

TEACHING STAFF

Botany

Beadle, N. C. W., D.Sc. Syd. Prof.
Davis, Mrs. Gwenda L., B.Sc., Ph.D. Syd. Sr. Lectr.
Boyd, R. A., B.Sc. Durh. and Oxon. Lectr.

Chemistry

Senior Lecturers

Dudley, F. B., B.Sc. Melb. (on leave)
Riggs, N. V., B.Sc. Adel., Ph.D. Camb.

Lecturers

Lewis, K. G., B.Sc. Adel.
Stimson, V. R., B.Sc. Syd.
3 Demrs., 1 Res. Asst.

Classics

Letters, F. J. H., M.A., LL.B. Syd. Sr. Lectr.
Duhigg, J., M.A. Camb., B.A. Syd. Lectr.
Kelly, M. N., M.A., Dip.Ed. Syd. Lectr.

Economics

Belshaw, J. P., M.A. N.Z., Ph.D. Manc. Prof.
Duncan, R., M.A. Adel. Lectr.
Boehm, E. A., B.Ec. Adel. Lectr.
Lamberton, D. M., B.Ec. Syd. Lectr.

Education

Part-time Lecturers

Bassett, G. W., Ph.D. Lond., M.A. Syd., Dip.Ed. Syd.
Crane, A. R., M.Ed. Melb., M.A., Dip.Ed. Syd. (on leave)
Mackie, Margaret, M.A. Oxon., B.A. Syd.

English

Piper, H. W., B.A. Adel., M.A. Oxon. Prof.
McKenzie, K. A., M.A., Dip.Ed. Melb., D. de l'U. Paris. Sr. Lectr. and Dean, Fac. of Arts
O'Brien, C. J. H., M.A. Syd. Lectr.
Liggins, Elizabeth M., M.A. Syd. (on leave) Lectr.
Beston, J. B., B.A. Syd. Temp. Lectr.

French

Jackson, R. F., B.A. Syd. Prof.
Blanche, Isabel M., B.A. Syd., Dip. d'Ét. Paris Sr. Lectr.

* Member of the Association of Universities of the British Commonwealth.

Cannat, N. C., D. en D., L. ès L. Montpellier.

Geography

Thorpe, E. W. R., B.Sc. Syd. Sr. Lectr.
Rose, A. J., M.A. N.Z. (on leave) Lectr.

Geology

Voisey, A. H., D.Sc. Syd. Prof.
Wilkinson, J., M.Sc. Q'ld. Lectr.
Campbell, K. S. W., M.Sc. Q'ld. Lectr.
Mathews, R. T., M.Sc. Q'ld. Temp. Lectr.

German

Halloway, F., B.A. Wales, M.A. Oxon., Dip.Ed. Wales Lectr.
Schulz, J., Ph.D. Berl. Temp. Lectr.

History

Tapp, E. J., M.A. N.Z. Sr. Lectr.
Dalton, B. J., M.A. N.Z. (on leave) Lectr.
Walker, R. B., B.A. Liv. Lectr.
Stargardt, A. W., M.A. Melb. Temp. Lectr.

Mathematics

Smith, R. C. T., M.A., B.Sc. Melb., D.Phil. Oxon. (on leave) Sr. Lectr.

Lecturers

Taylor, N. W., M.Sc. Syd.
Horadam, A. F., B.Ed. Melb., M.A. Syd., Dip.Ed. Syd.
Horadam, Mrs. Eleanor M., M.A. Camb., B.Sc. (Eng.) Lond.
Majstrenko, P., M.A. Copenhagen.

Philosophy

Grey, D. R., M.A., Oxon. Prof.
McIntosh, G. F., B.A. Syd. Sr. Lectr.
Bussell, A. C., B.A. Syd. Lectr.

Physics

Somerville, J. M., M.A. Camb., D.Sc. Syd., F.I.P. Prof.
Smith, R. A., B.Sc. Syd. (on leave) Sr. Lectr.
Hibberd, F. H., B.Sc. W. Aust., M.Sc. Syd. Lectr.
1 Res. Asst.

Psychology

Howie, D., M.A. W. Aust., Ph.D. Lond. (on leave) Prof.
Barratt, P. E. H., M.A. Syd. (on leave) Lectr.
Feather, N. T., B.A. Syd. Lectr.
Gabriel, J. B.A., Ph.D. Lond. Lectr.

Zoology

O'Farrell, A. F., B.Sc. Lond. Sr. Lectr.
Stock, A., Ph.D. Edin., Ph.D. Vienna Sr. Lectr. and Dean, Fac. of Sci.
..... Sr. Lectr.
de Bavay, J. M., B.Sc. Tas. Lectr.
1 Res. Asst.

Adult Education

..... Sr. Lectr.
Technicians—Depts. of Bot.-Zool., Chem., Geog.-Geol. and Phys.

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICE. Asst. Registrar: T. C. Lamble, B.A. Syd.; Clerk of Examns.: Evangeline Harris; Asst. Accountant: W. Dodds.

LIBRARY. Asst. Librarians, Patricia Fordyce, Valerie Chapman, Pamela Watt.

UNIVERSITY RESIDENCES. Household Administrator, I. Madge Brown.

UNIVERSITY FARM. Manager, T. A. Crowley.

GENERAL INFORMATION

The New England University College was established as a branch of the Univ. of Sydney on January 1, 1938, by the Senate of the Univ. of Sydney. It was establd. in accordance with the expressed wish of the people of Northern New South Wales and for the purpose of providing educn. at Univ. level for country students particularly. New England thus became the first experiment in Univ. decentralisation in Australia. The N.S.W. Government bore the cost of converting the property to its present use and of providing additional bldgs., and has more recently provided funds for the building of temp. hostel accomm. to house 78 students. The Commonwealth Government made funds available under the Commonwealth Reconstruction Training Scheme for the erection of another large bldg. to provide addnl. lecture-rooms, labs. and staff studies.

By the University of New England Act, 1953, the New England Univ. Coll. was incorporated as the University of New England. It came into legal existence as an independent Univ. on February 1, 1954, and, in addition to fulfilling its previous functions, is now entitled to examine its own students and grant degrees and diplomas. The Univ. is authorised by the Act to co-operate with the New South Wales Univ. of Technology in the provision of degree courses at the Newcastle Univ. Coll.

CONSTITUTION. The Univ. consists of the Chancellor, Deputy Chancellor, Vice-Chancellor, Council, Convocation and students. The governing authority of the Univ. is the Council. The Chancellor, elected by the Council, is head of the Univ., and as such is empowered, in the name of the Univ., to confer all degrees. The chief academic and admin. officer is the Vice-Chancellor, who is *ex officio* a member of the Council.

INCOME (1953). £A178,196 (grants from Commonwealth and State Govts., 78 per cent.; residential fees and sale of farm produce, 14 per cent.; tuition fees, etc., 7 per cent.; misc., 1 per cent.).

FACULTIES AND DEANS. *Arts*, Dr. K. A. McKenzie; *Science*, Dr. A. Stock.

LIBRARY. Dixson Library, approx. 25,000 vols., together with a large number of periodicals.

LABORATORIES, ETC. A FIELD STATION for research into properties of the ionosphere has been established. In the Univ. grounds are the labs. connected with a large C.S.I.R.O. Field Res. Station of 4500 acres situated about 10 miles from Armidale. The UNIVERSITY FARM of 500 acres will provide facilities for field studies connected with the proposed Facs. of Agriculture and Agricultural Economics.

ADMISSION. *See* Appendix I.

NON-MEMBERS OF THE UNIVERSITY. Any person wishing to attend Univ. lectures may do so without matriculation upon payment of such fees as the Council may from time to time direct, provided that any such person must obtain the approval of the Fac. concerned before attending lectures.

DEGREE COURSES. B.A., B.Sc., 3 yrs.; B.A. (Hons.), B.Sc. (Hons.), 4 yrs.

HIGHER DEGREES. M.A., M.Sc.

EXTERNAL STUDENTS. Correspondence courses leading to B.A. degree are offered to external students from the beginning of 1955.

DIPLOMA. Dip.Ed.

POSTGRADUATE STUDY AND RESEARCH. Facilities available, esp. in Hist. and Econ., Chem., Phys., Bot., Zool., Geol. and Geog.

FEES. Matricn., £3; degree courses in Arts (Pass, 3 yrs.), £260; (Hons., 4 yrs.), £270; degree courses in Sci. (Pass, 3 yrs.), £330; (Hons., 4 yrs.), £390.

ACADEMIC YEAR. March to Dec. (3 terms of 10 wks. each).

ADULT EDUCATION. A Dept. of Adult Educn. under a Sr. Lectr. organizes adult educational activities in the New England region. Classes cover a wide variety of subjects ranging from Spoken and Written English and Current Affairs to Landscape Painting and Weaving.

The ARMIDALE TEACHERS' COLLEGE provides facilities for teacher trainees who are undertaking Univ. courses and for graduates who are pursuing the Dipl. in Educn. course.

STUDENT RESIDENCES. Accomm. at the Univ. itself for 78 students; 8 hostels in Armidale can accommodate a further 120 students. The weekly charge to students for full board and lodging is £A3: 10s. Except for those whose homes are in Armidale or who are married, all students are required to come into residence.

UNIVERSITY MILITARY FORMATION. "D" Co. of the Sydney Univ. Regiment is recruited at the Univ.

STUDENT HEALTH SERVICE. Each student is required to contribute £A1: 10s. yearly to a medical fund which entitles him, under certain conditions, to free medical treatment while in residence.

SPORT. An active Sports Union provides for all major sporting activities. The Consett Davis Memorial Playing Fields provide for football, hockey, baseball and basket-ball. A cricket oval and six new tennis courts are expected to be ready shortly.

STUDENTS' UNION. At present the Students' Union has quarters in "Booloominbah" itself. Plans and specifications of "Forster House," the proposed Students' Union, have been completed.

PUBLICATIONS. *The University of New England Calendar, Neucleus* (student newspaper, fortnightly, during term). *Magazines of the Arts and Science Socs.* (annually). *Monographs on New England Regional Research* (from time to time).

THE YEAR 1953

ADULT EDUCATION WORK. 22 classes on widely varied subjects (enrolment 298 in 8 centres up to 150 miles from Armidale).

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. F. J. Schonell, Q'ld. (Educn.); Dr. J. Huxley; Prof. R. B. Farrell, Syd. (German); Prof. D. P. Craig, Syd. (Chem.); Prof. S. J. Butlin, Syd. (Econ.).

RESIGNATIONS. Dr. O. Spindler (German), apptd. Sr. Lectr. Newcastle Univ. Coll.; F. M. Cox (Psychol.).

DEATH. A. W. Eberle (Sr. Tutor, Adult Educn.).

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	132	10
Women	98	2
Total	230	12

New admissions, 93.
Student from other country, 1 (Federation of Malaya).

DEGREES. *Arts*: B.A., 21. *Sci.*: B.Sc., 13.

[*Information compiled as at 29/6/54.*]

THE NEW SOUTH WALES UNIVERSITY OF TECHNOLOGY*

Established 1948; incorporated by Act of Parliament 1949

Postal Address: Broadway, Sydney, New South Wales, Australia.
Telegraphic Address: Tecol, Sydney.
Telephone: Sydney MO422.

PRESIDENT—WALLACE C. WURTH, C.M.G., LL.B. Syd.

VICE-PRESIDENT—The Hon. JOHN S. J. CLANCY, LL.B. Syd.

DIRECTOR—JOHN P. BAXTER, O.B.E., B.Sc., Ph.D. Birm.

REGISTRAR—GODFREY L. MACAULEY, B.Ec. Syd.

BURSAR—JOSEPH O. A. BOURKE, B.A. Syd.

TEACHING STAFF

Applied Chemistry

Alexander, A. E., M.A., B.Sc. R'dg., Ph.D., Sc.D. Camb.
Dean, Fac. of Appl. Sc. and Prof.

Associate Professors

Nyholm, R. S., M.Sc. Syd., Ph.D., D.Sc. Lond.
Angyal, S. J., Ph.D. Bud.

Senior Lecturers

Bryson, A., M.Sc., B.App.Sc. Q'ld.
Cavill, G. W. K., M.Sc. Syd., Ph.D. Liv.
Cole, E. R., M.Sc. Syd.
Martin, L. W. O., B.Sc. Syd.
Ralph, B. J. F., B.Sc. Tas., Ph.D. Liv.
Shaw, G., B.Sc., Ph.D. Lond.

Lecturers

Anderson, J. R., B.Sc. (on leave).
Anderson, J. R. A., M.Sc., F.R.I.C.
Atkinson, M. R., B.Sc. Tas.
Backhouse, J. R., M.Sc. Syd., F.C.S.
Barbour, R. G. H., B.Sc.Agr. Syd.
Barclay, G. A., B.Sc., Ph.D. Syd., Dip.Ed. Syd. (on leave).
Barke, D. J., B.Sc. Lond., F.C.S.
Beckman, P., F.C.S.
Buchanan, G. S., B.Sc. Syd.
Courtney, J. L., B.Sc.
Curthoys, G. C., B.Sc. Syd.
Davies, N. R., B.Sc. Lond., F.R.I.C.
Dunstan, W. J., M.Sc. Syd.
Eade, R. A., M.Sc. Syd., Ph.D. Liv.
Gascoigne, R. M., M.Sc. Syd., Ph.D. Liv.
Gutmann, F., Ph.D. Vienna, F.I.P.
Hall, F. M.
Harris, C. M., B.Sc.
Hempel, F. H., B.Sc. Melb.
Howarth, G. B., M.Sc. Leeds.
Irving, R. J., M.Sc. Adel., Ph.D. Leeds.
Lark, P. D., B.Ec. Syd., B.Sc.
Livingstone, S. E. M. R., B.Sc.
Martin, E. C., F.C.S.
Morris, B. S., M.Sc. Syd.
O'Brien, K. G., M.Sc. Syd.

* Member of the Association of Universities of the British Commonwealth.

Shipp, E., B.Sc. Syd.
Short, L. N., M.Sc. Syd , D.Phil. Oxon., Dip.Ed. Syd.
Simes, J. J. H., M.Sc. Syd., Ph.D. Liv., Dip.Ed. Syd.
Steele, M. C.
Sutton, G. J., M.Sc.
Sutton, J., B.Sc. Manc.
Swinbourne, E. S., B.Sc.
Taylor, C. R., B.Sc. Syd.
Werner, R. L , M.Sc.
10 Demrs. and 22 Tech Officers.

Applied Physics

Milner, C. J., M.A., Ph D. Camb., F.I.P. Prof.
Godfrey, G. H , M.A., B.Sc. Syd., F.I.P. Assoc. Prof.

Senior Lecturers

Curnow, C. E., M.Sc. Syd.
Lederer, J., B.Sc. Syd.
Lishmund, R. E., B.Sc., Ph.D. St. And.
McConnell, J. F., M.Sc. Syd.
Price, W. L., B.Sc., B.E. Syd., F.I.P.

Lecturers

Amigo, G.
Bowen, L. O., B.E., B.Sc. W. Aust.
Brown, C. R.
Caddy, R. S., B.Sc. Syd., Dip.Ed. Syd.
Falls, G. P., B.A., B Sc W. Aust.
Hansen, N. R , B.Sc. Syd., Dip.Ed. Syd.
Harle, G. A., M.Sc Syd.
Lanczi, E., B.A., B.Sc. Melb.
Milledge, J. A., M.Sc. Syd., Dip.Ed. Syd.
Parry, L. G., B.Sc. Syd., Dip.Ed. Syd.
Pollard, H. F., M.Sc. W. Aust.
5 Tech. Officers.

Architecture

Towndrow, F. E., F.R.I.B.A., F.R.A.I.A. (on leave) Dean and Prof.
Lucas, S. W., F.R.A.I.A. Assoc. Prof.

Senior Lecturers

McDonnell, G. H. B., B.Arch. Syd., F.R.A.I.A.
Spooner, P.

Lecturers

Anderson, N. J., B.Arch. Syd., Dip.T.P. Lond.
Bazeley, N. F.
Daniels, E. C.
Dunphy, M. J., F.R.A.I.A.
Kirkland, D. P., A.A.Dip. Lond.
Lennon, D., B.Arch. Syd.
Parker, E. C.
Phillips, R. O., B.Arch. Syd.
Sutton, R. G.
Woolard, F.
Wrigley, D. F., D.Arch. Manc.
1 Arch. Draftsman.

Chemical Engineering

Baxter, J. P., O.B.E., B.Sc., Ph.D. Birm. Prof.
Reuter, F. H., Dr.Phil. Berl., F.R.I.C. Assoc. Prof.

Senior Lecturers

Ayscough, F. W., B.Sc. Syd.
Connors, F. L.
Roper, G. H., M.Sc.

Lecturers

Buchanan, R. H., B.Sc. Corn.
Cairns, R. C., B.Sc.
Edwards, R. A.
Howard, F. O., B.E. Syd.
Hunt, C. H.
May, A., M A., Ph.D. Prague, M.A., Dr.Phil. Berl.
Murphy, R. K., Chem.E. Col., Dr.Ing. Darmstadt.
McCartney, E. R., B.Sc. Syd.
Smith, J. D., B.Sc.
9 Tech. Officers and 2 Demrs.

Civil Engineering

Munro, C. H., B.E. Syd. Assoc. Prof.

Senior Lecturers

Hall, A. S., B.Sc. (Eng.) Lond., D.I.C
Holdaway, H. W., B.Sc., B.E. Syd.
Ryan, P. W. S.
Vallentine, H. R., B E Syd, M.S. Iowa.

Lecturers

Archer, F. E., B.Sc., B.E. Syd.
Balint, P., B.E. Bud.
Brettle, H. J., B.E. Syd.
Burton, J. R., B.E. Syd.
Carmichael, A. J., B.E.
Edwards, L. S., B.E. Melb., B.Ec. Syd
Fischer, H. K., Dipl.Ing. Hanover.
Howell, D. T., B.E. Syd.
Jenkins, J. L., B.E. Syd
Jones, P. B., B.E. Syd.
Kitchen, E. M., B.E. Syd.
Nettleton, A. F. S., B.Sc., B.E. Syd.
Shuleshko, P., M.Sc., B.E Regensburg.
Ward, O. G. F.
Watson, K. K., B.E. Syd.
Welch, G. B., B.E. Syd.
Woodhead, R. W., B.E. Syd.
8 Tech. Officers.

Electrical Engineering

Vowels, R. E., M.E. Adel. Prof.

Senior Lecturers

Blake, A. P., B.Sc., B.E. Syd.
Dewsnap, G. C., M.E.E. Melb.
Huey, R. M., B.Sc., B.E. Syd.
Lovering, W. F., M.Sc. Birm.
Mortimer, E. L., B.Sc. (Eng.) Lond.
Parker, G. J., B.Sc., B.E. Syd.

Lecturers

Arnold, W. H.
Clarke, R. H. J., B.E.
Cole, D. J., B.E.E. Melb.
Edwardes, H. N., B.Sc., B.E. Syd.
Ehlers, W. W. T. H., Dr. Nat. Scs. Hamburg.
Guertler, R., B.E., Dr.Tech. Brno.
Harrington, H. R.
Hopkins, E. G., B.E.
Humphries, H. L., B.Sc., B.E, B.Ec. Syd.
Lamb, C. St. J.
Pawloff, O., Dipl.Ing. Berl.
Plowman, A. S.
Stapleton, C. A., B.Sc., B.E. Syd.
Turner, H. J. A., B.Sc. Lond.
Yates, R. C., B.E. Adel.
3 Tech. Officers.

Humanities and Social Sciences

Hartwell, R. M, M.A Syd, Dip.Ed. Syd. Prof

Senior Lecturers

Elkin, P. K., B A. Syd., B.Litt. Oxon, Dip.Ed. Syd.
Thornton, J. B., B.A., B.Sc. Syd.

Lecturers

Atkins, Ruth, B.A., B Ec. Syd., Dip.Ed. Syd.
Burgess, O. N., M A. Syd., Dip.Ed. Syd.
Cranfield, G. A., B.A., Ph.D. Camb.
Geering, R. G., B.A Syd., Dip.Ed. Syd.
Ginges, A. M., B.A. Syd.
Ingham, S. M., M.A. Melb.
Nairn, N. B., B.A. Syd.
Presley, C. F., B.A. Wales, B.Litt. Oxon.
Runcie, N., B.Ec. Syd.
Stove, D. C., B.A. Syd.
5 Res. Assts.

Mathematics

Bosson, G., M.Sc. Lond. Prof.

Senior Lecturers

Douglas, J. B., M.A., B.Sc., Melb., Dip.Ed. Melb.
Griffith, J. L., B.A., M.Sc. Syd., Dip.Ed. Syd.
Kirkpatrick, C. B., M.Sc. Syd.
Senior, S. A., M.Sc. Leeds, Dip.Ed. Leeds.

Lecturers
Bofinger, Mrs. Eveline, B.Sc. Syd.
Clancy, B. E., B.Sc. Syd., Dip.Ed. Syd.
Eggar, M. A., D.Sc. Berl., Dip.Ed. Berl.
Ferris, G. E., B.Sc. Syd., M.A. Col.
Groden, C. M., M.Sc. Zür.
Keane, A., M.Sc. Syd., F.R.A.S.
Low, A. H., M.Sc. Syd , Dip.Ed. Syd.
McKay, M. E., M.A. Syd., Dip.Ed. Syd.
Sandiford, J St. A., B.Sc. Syd.
Weiler, H., Lic. ès Sc. Paris.

Mechanical Engineering
Willis, A. H., B.Sc. (Eng.), Ph.D. Lond Prof.
Wood, J. F. D., B.Sc., B.E. Syd. Assoc. Prof.

Senior Lecturers
Baylis, T. M.
Bonamy, S. E., B.E. Syd.
Carroll, A. J., B.E. Syd.
Corbett, R. E.
Hirschhorn, J., Dipl.Ing. Vienna.
Munro, J., B.E. Syd.
Rosenauer, N., M.E. St. Petersburg, Dr.Ing. Riga.
Taylor, G. P., B.Sc. Chic., B.A.Sc. Tor.
Tuft, R. J.

Lecturers
Allen, A. F.
Allen, J. R., B.E. Syd.
Barna, P. S., B.E. Bud.
Borchhardt, H. A., Dipl.Ing.Eth. Zür.
Brock, H., Dipl.Ing. Vienna.
Bryant, R. A. A.
Butler, G. F., B.E. Syd.
Carswell, J. McA.
Dane, R. A.
Dodds, E. W.
Forsythe, M.
Girdler, T. W., LL.B., B.Sc., B.E. Syd.
Hallinan, M. J.
Hool, J. N., B.E. Syd., D.Phil. Oxon.
James, A. K.
Kahane, A., Dipl.Ing. Vienna.
Mackaness, J. B., B.E. Syd.
McKenzie, R. T.
McLachlan, H. McD., B.E. Syd.
Muiznieks, J. O., Grad.Mech.Eng. Latvia, Dr.Ing.Aer. Rome.
O'Connor, R. J., B.E. Syd.
Owen, A. D.
Robertson, R. G., B.A. Oxon.
Sapsford, C. M., B.Sc. (Eng.) Lond.
Selinger, H., Dipl.Ing. Berl.
Walters, R. C. P.
Weiss, K., Dipl.Ing. Vienna.
Wulff, H. E., Dipl.Ing. Cologne.
9 Tech. Officers.

Metallurgy
Myers, R. H., M.Sc., Ph.D. Melb. Prof.

Senior Lecturers
Bowles, J. S., M.Sc. Melb.
Forster, J. B., M.Sc. Leeds

Lecturers
Armstrong, B. W.
Barnes, T. W.
3 Tech. Officers.

Mining Engineering and Geology
Phillips, D. W., B.Sc. Wales, Ph.D. Camb., Dip.Met.Min., F.G.S. Dean, Fac. of Engin., Prof.

Lecturers
Burdon, R. G.
Hanlon, F. N., B.Sc. Syd., Dip.Ed. Syd.
Koch, L. E., Dr.phil. habil, Cologne
Lawrence, L. J., B.Sc. Syd., Dip.Com. Syd.
Loughnan, F. C., B.Sc. Syd.
5 Tech. Officers.

Wool Technology
McMahon, P. R., M.Agric.Sc. N.Z., Ph.D. Leeds Prof.
Goldstone, C. L., B.Agric.Sc. N.Z. Lectr.
1 Demr., 1 Tech. Officer.

ADMINISTRATIVE AND OTHER STAFF

Accountant: E. H. Davis. Asst. Registrar and Sec. to Council: J. S. Fraser. Asst. Registrar: R. E. Pert, B.A. Syd. The Univ. is serviced in admin. fields by officers of N.S.W. Technical Education Dept.

ASSOCIATED COLLEGE

NEWCASTLE UNIVERSITY COLLEGE. Tighes Hill, Newcastle, 2N, N.S.W. *Telephone*: Newcastle M1281. Warden—R. Basden, B.Sc. Lond., M.Ed. Melb.

STAFF. *Appl. Chem., Chem. Engin. and Metall.*: F. L. Ward, M.Sc. Q'ld., Sr. Lectr.; K. A. Allen, M.Sc. N.Z., H. Bardsley, C. C. H. Cooke, G. C. Curthoys, B.Sc. Syd., W. G. Kirchner, V. J. Moran, W. E. Pickering, B.Sc., J. S. Ratcliffe, W. R. Walker, M.Sc., Dip.Ed. Syd., Lectrs. *Appl. Maths.*: I. L. Rose, B.E. Syd., Sr. Lectr.; M. Temple, M.A. Dub., Lectr *Appl. Phys.*: S. C. Baker, M.Sc. Syd., Sr. Lectr.; S. A. Ramsey, M.Sc. Melb., Lectr. *Civil Engin.*: W. S. Butcher, B.E. Syd., G. J. Haggarty, B.E. Syd., Lectrs. *Electr. Engin.*: H. G. Middlehurst, Sr. Lectr.; M. Harrison, B.Sc., B.E. Syd., J. W. Wilson, Lectrs. *Human. and Soc. Scs.*: J. J. Auchmuty, M.A., Ph.D. Dub., F.R.Hist.S., Assoc. Prof. of Hist., C. C. Renwick, M.Ec. Syd., Assoc. Prof. of Econ., A. J. Anderson, B.A. Syd., O. Spindler, Ph.D. Vienna, Dip.Ed. Vienna. *Mech. Engin.*: A. K. Johnston, B.E. Syd., M.S. Iowa, Sr. Lectr.; K. R. Bridger, H. S. Craddock, B.E. Syd., W. M. S. Gower, J. Recter, B.Sc, B.E. Syd., Lectrs. *Mining Engin.*: A. S. Ritchie, Lectr. 5 Tech. Officers.

GENERAL INFORMATION

Incorporated by Act of N.S.W. Parliament in April 1949, The New South Wales University of Technology was established to meet the urgent demand in Australia for increasing numbers of technologists and applied scientists, and to provide them with means of advanced training and res. Government of the Univ. is vested in a Council representative of Parlt., industry and commerce, the trade unions, technical educn., professional bodies, the Univ. of Sydney, and of the Univ.'s own teaching staff and its undergraduates and graduates. The Council may provide courses in Applied Sci., Engin., Technol., Commerce, Industrial Organization and such other related courses as it deems fit, and may, after examn., confer the several degrees of Bachelor, Master and Doctor, and such other degrees and such certificates in the nature of degrees or otherwise as it thinks fit. Power to decentralize the University's activities, both in its co-operation with industry and in its teaching services, is given to the Council, which is authorized to establish and maintain branches, depts. or colls. at Newcastle, Wollongong, Broken Hill or such other places in the State of New South Wales as it may approve. The first coll. of the Univ. was established at Newcastle in Dec. 1951, and is controlled by the Council. An Advisory Committee with experience of educational and industrial requirements at Newcastle advises the Council on the development and management of the Coll. Pending completion of development of its own site at Kensington, the Univ. has at its disposal the facilities of the N.S.W. Dept. of Technical Education.

INCOME (1952–53). £A894,460 (Running Exp.): 67 per cent. from State Parliament grants, 19 per cent. from Commonwealth Parliament grants, remainder from fees, contributions from industry and other sources. Also in 1952–53 the State Parliament provided funds from General Loan Account amounting to £A469,484, expended on Univ. purposes as follows: Buildings, £A346,328; Plant, £A108,402; Furniture, £A14,754.

FACULTIES AND DEANS. *Applied Sci.*: Prof. A. E. Alexander (Appl. Chem.); *Archit.*: Prof. F. E. Towndrow; *Engin.*: Prof. D. W. Phillips (Min. Engin.).

LIBRARY. The main Univ. library is a separate collection within the Sydney Technical Coll. library. The figures shown include the collection at and accessions to the Univ. library at Kensington and all joint libraries of the Univ. and the Dept. of Technical Educn. Vols. 45,488; accessions, 1953, 2162.

ADMISSION. *See* Appendix I.

PUBLIC EXAMINATIONS. *See* Appendix I.

DEGREES. 3 yrs.: B.Sc. Pass (Gen. Sci., Newcastle Univ. Coll.); 4 yrs.: B.Sc. Pass, Hons. (Appl. Chem., Appl. Phys., Metall., Wool Technol.), B.Sc. Pass (Chem. Engin.), B.E. Pass, Hons. (Civil, Electr., Mech., Mining, Appl. Geol.); 5 yrs.: B.Sc. Hons. (Chem. Engin.); 6 yrs.: B.Arch. Pass, Hons. A number of courses, leading to the degrees of B.Sc. and B.E., may be taken by part-time attendance. In general, these courses extend over 6 yrs. (Pass) and 7 yrs. (Hons.).

HIGHER DEGREES. M.Sc., M.E., at least 2 yrs.; Ph.D., at least 3 yrs.

COURSES. First degree courses instituted in Civil, Elect., Mech. and Min. Engin. in March 1948, this initial step being made possible by the work of the Developmental Council, apptd. in Aug. 1947. Degree courses in Appl. Chem. and Chem. Engin. began in March 1949, Archit. in 1950, Appl. Phys. and Wool Technol. in 1951, Metall., Food Technol., Indust. Chem., Leather Chem., Appl. Biol., Gen. Sci., and Appl. Geol. in 1954.

Two features are emphasized in undergrad. courses. The first is incorporation in the syllabus of industrial experience to supplement lab. and lecture-room work at the Univ. (in the Fac. of Engin., 5 months p.a., supervised and organized to suit the stage and syllabus of each course). The second is the compulsory study of general subjects, such as English, Hist., Econ. and Psychol. These courses are designed to broaden the experience and interests of the student.

From beginning of 1951 the Univ. assumed responsibility for provision of 20 dipl. courses in Engin., Appl. Sci. and Archit., previously provided by the N.S.W. Dept. of Technical Educn. Dipl. courses require attendance for 5 or 6 yrs. pt.-time concurrently with employment in related occupation. Students attending have matriculated and are registered students of the Univ. On the certif. of the Univ. that the course has been completed the Dept. of Technical Educn. issues the dipl. of the A.S.T.C.; the student may then be admitted to degree course with advanced standing, proceeding to Bachelor's degree by 1 or 2 yrs.' further pt.-time attendance in a Conversion Course.

Facilities are available to students already in employment and enrolled in appropriate dipl. courses to transfer at certain stages to degree courses at the Univ. Conversion Courses, which began in 1950, permit those who hold such qualifcns. from Technical Colls. and from other Univs. to resume their studies and proceed to a degree or higher degree of the Univ.

FEES (all figures are in Australian currency). Undergrad.: Matricn., nil; Graduation, nil; B.Sc. courses, £60–£150; B.E. courses, £60–£120; B.Arch. course, £120. Masters' Degrees (M.Sc., M.E.): Registration, £2 : 2s.; Graduation, £15; Internal students, full-time, £30, pt.-time, £15 p.a.; External students, £10 p.a. Ph.D. Degree: Registration, £2 : 2s.; Graduation, £21; Internal students, £30.

ACADEMIC YEAR. Feb. to Dec. Three terms of 12 weeks each. In certain courses, *e.g.* in Fac. of Engin., students attend Univ. for two terms and for remainder of year gain practical experience in industry.

RESIDENCE. A hostel at Kensington provides accomm. for 200 students. (*Telephone*: FX 6749.) *Fees*: £A3 : 10s. per week.

UNIVERSITY REGIMENT. Established in 1951.

POSTGRADUATE FELLOWSHIPS, ETC. I.C.I.A.N.Z. Res. Fellowship for British Commonwealth graduates, £A600 p.a. for 2 yrs., for study in fields related to interests of I.C.I.A.N.Z.; Monsanto Res. Scholp. for graduates of Australian Univs., £A600 p.a. for 1 yr. for res. in chem. engin.

PUBLICATIONS. *Calendar* with *Annual Report* (5s.); *Orientation Handbook*; *Report* on research activities of Univ.

THE YEAR 1953

PRINCIPAL BENEFACTIONS. C.S.I.R.O., £A2669 for res.; Cwth. Bank of Aust., grant from Rural Credits Developt. Fund, £A2500; Nuffield Foundation grant for maintenance of Nuffield Res. Chair of Mech. Engin., £A3125.

NEW BUILDINGS. First major bldg. on 85-acre site at Kensington nearing completion. It comprises 3 floors and basement and will provide floor space of 136,745 sq. ft. Part of bldg. occupied since beginning of 1954 by Sch. of Archit. and Bldg. Sch. of Metall. transferred from Broadway to Kensington and occupies 4 light frame bldgs. on new site. Sch. of Chem. Engin. also located at Kensington.

NEW DEPARTMENTS AND POSTS. Sr. Lectrs. apptd. in Chem. Engin., Mech. Engin., Metall. Lectrs. apptd. in Appl. Chem., Appl. Physics, Civil Engin., Maths., Mech. Engin., Mining Engin.

SPECIAL COURSES. 15 series of postgrad. (extension) courses given conjointly by reprvs. from industry and members of Univ. staff in following Schs. —Appl. Chem., Appl. Phys., Chem. Engin., Civil Engin., Maths., Mech. Engin.

RESIGNATIONS. A. S. Danchev (Mining Engin.), I. M. Fraser (Appl. Chem.) D. W. George (Elect. Engin.), T. T. Hague (Hum. and Soc. Scs.), H. Hodson (Civil Engin.), K. E. Johnson (Civil Engin.), A. V. Jopling (Appl. Geol.), E. E. Peacock (Civil Engin.), A. F. T. Tillott (Maths.), R. K. Warner (Chem. Engin.), J. C. Webb (Mining Engin.), M. W. White (Civil Engin.).

GRADUATION CEREMONY. First graduation ceremony of Newcastle Univ. Coll. held on 16th May 1953.

STUDENT HOSTEL. The hostel was opened at the beginning of the year. On completion of additions now being made, accomm. will be available for about 300 students.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	527	3381
Women	2	66
Total	529	3447

Postgrad. students: Higher degree, 103; Extension courses, 495.
New admissions, 848.
Students from other countries, 70 (32 under Colombo Plan).

DEGREES AWARDED. *Appl. Sci.*: M.Sc., 6, B.Sc., 24; *Engin.*: B.E., 37. *Total number of degrees awarded*, 67.

UNIVERSITY OF QUEENSLAND*

Founded 1909

Postal Address: St. Lucia, Brisbane, Queensland, Australia.
Telegrams: University, Brisbane.
Telephone: Brisbane B 2500—B 2509.

CHANCELLOR—OTTO SADDLER HIRSCHFELD, M.Sc., M.B., B.S.
DEPUTY CHANCELLOR—H. G. WATKIN, B.A., Dip.Ed.
VICE-CHANCELLOR—J. D. STORY, I.S.O.
REGISTRAR—C. PAGE HANIFY, M.V.O., F.I.C.A.

TEACHING STAFF

Agriculture

Teakle, L. J. H., B.Sc.Agr. W. Aust., M.Sc., Ph D. Calif. Prof.
Perkins, F A., B.Sc.Agr. Syd. (Econ. Entomol.) Chief Lectr.
Skerman, P. J., B.A., M.Sc. Sr. Lectr.
Waring, S. A., B.Sc.Agr. Syd. (Agronomy) Lectr.
Woodward, T. E., Ph.D., M.Sc. (Entomol.) Lectr.
Campbell, Jean I., B.Ag.S. Jr. Lectr.
Horne, W. R., B.Sc.Agr. Jr. Lectr.
Bryan, W. W. (Agric.) Pt.-time Lectr.
4 Special Lectrs., 3 Res. Assts.

Architecture

Cummings, R. P., B.Arch., F.R.A.I.A. Prof.
Lucas, F. B., F.R.I.B.A., F.R.A.I.A. Sr. Lectr.
Hitch, H. J. Lectr.
6 Pt.-time Lectrs., 2 Pt.-time Demrs.

Biochemistry

Hines, H. J. G., B.Sc. (Agr.) Lond. Assoc. Prof.
Rienits, K. G., M.Sc. Lectr.
2 Demrs.

Botany

Herbert, D. A., D.Sc. Melb. Prof.
Langdon, R. F. N., M.Agr.Sc., Ph.D. Sr. Lectr.
Wilson, G. L., D.Phil. Oxon., B.Agr.Sc. Lectr.
Aberdeen, J. E. C., B.Agr.Sc. Lectr.
Cribb, A. B., M.Sc. Asst. Lectr.
4 Demrs.

Chemistry

Jones, T. G. H., D.Sc. Syd., F.C.S. Prof.
Edmiston, E. S., B.Sc., B.Sc.App. (Industrial) Assoc. Prof.
Lauder, I., D.Sc., Ph.D. Manc. Assoc. Prof.
O'Connor, E. A., M.Sc. Melb. Sr. Lectr.
Lahey, F. N., D.Sc. Res. Prof.
Jenkins, G. H., M.Sc.App. (Sugar Tech.) Sr. Lectr.
Plowman, R. A., Ph.D. Lond. (Inorg. C.) Sr. Lectr.
Sutherland, M. D., M.Sc. N.Z. Sr. Lectr.
Brooks, P. C., B Sc.App. (Indust.) Lectr.

* Member of the Association of Universities of the British Commonwealth.

Wood, H. L., M.Sc. Adel. (Agric.) Lectr.
Grigg, E. C. M., M.Sc. Asst. Lectr.
Wilson, I. R., B.Sc. Asst. Lectr.
Radford, Joan T., B.Sc. Melb. Asst. Spectro-Chemist.
1 Temp. Lectr, 5 Res. Assts, 7 Teaching Fellows

Classics

Cooper, C. G., M.A. St. And. Prof.
Castlehow, S., M.A. Oxon. Assoc. Prof.
Fisher, R. B., M.A. N.Z. Lectr.
McKay, K. J., B.A. Melb. Jr. Lectr.
Dale, W. A., M.A. Calif. Asst. Lectr.
Pryor, A. D., B.A. Asst. Lectr.
5 Pt.-time Lectrs.

Commerce and Economics

Gifford, J. K., M.A. Glas. Prof.
Lane, W. R., B.Comm. Lectr.
Holmes, A. S., B.A. W.Aust. Lectr.
Reitsma, A. J., D.Econ. Rotterdam Asst. Lectr.
Stalley, D. J., B.Econ. Adel. Asst. Lectr.
18 Pt.-time Lectrs., 4 Spec. Lectrs., 1 Res. Asst.

Dentistry, v. *infra*

Economics, v. Commerce *supra*

Education

Schonell, F. J., M.A. Birm., Ph.D., D.Lit. Lond. Prof.
Henderson, N. K., B.A., M.Ed. Melb., Ph.D. Lond. Sr. Lectr.
Olsen, F. J., M.Ed. Melb., B.Sc. Lectr.
Richardson, J. A., M.A., Lectr. (Remedial Educn. Centre).
Beresford, H. B., M.A., B.Ed. Camb. Asst. Lectr.
3 Spec. Lectrs., 2 Res. Fellows, 3 Part-time Lectrs.

Engineering

Professors

Lavery, J. H., B.Sc. Oxon., M.E. (Civil).
Shaw, M., M.Eng. Sheff., M.Mech.E. Melb. (Mech.).
Prentice, S. A., M.E.E, B.Sc Melb. (Elect.).
White, F. T. M., B.Met.E. Melb., F.G.S. (Mining and Metallurgical).
Hinckley, R. T., M.E., B.Sc. (Electronics) Chief Lectr.

Senior Lecturers

Munro, A. R., B.E. (Mech. E.).
Smoleniec, S., M.Sc Warsaw, Ph.D., D.I.C. (Engin Thermodyn.).
Stoney, A. J. M'C., B E.E. Melb. (Elect. Tech.).
McKay, G. R., B.Eng, Ph.D. Liv. (Civil).
Pidduck, J., M.A. Camb. (Mech.).
Paterson, O. D., M.B.E., M.Sc., B.E. (Min.).

Lecturers

Waring, J., B.Sc.Tech. Manc. (Metallurgical).
Birkbeck, G. H. M., B.E. (Aeronautics).
O'Connor, C., B.Civ.Eng. (Civil) Lectr.
James, F. W., M.Sc. (Surveying).

Assistant Lecturers

Hogan, L Mc., B.Sc. (Metall.) (Phys. Metall.).
Leahy, T. F., B.S. (Mech. Engin.).
Miller, P. C., B.Surv. (Surveying).
Mapp, W., B.E.
Clark, D. J. (Mech. and Elect. E.)
Sheridan, N. R. (Mech.).
Parnell, T. M., B.Eng., Ph.D. (Elect.).
37 Pt.-time Lectrs., 3 Pt.-time Grad. Demrs., 5 Demrs., 5 Res. Assts.

English Language and Literature
Russell, G. H., M.A., Ph.D. Prof.
Robinson, F. W., M.A. Syd., Ph.D. Jena Assoc. Prof.
Thomson, A. K., M.A. Sr. Lectr.
Cochrane, G. R., M.A. Melb., L. ès L. (Phonetics).
Flint, E. H., B.A. Asst. Lectr.
Hadgraft, C. H., M.A., B.Ed. Asst. Lectr.
Wood, Mrs. A. C., B.A. Jr. Lectr.

French
Mahoney, J. C., M.A., B.Litt. Oxon. Prof.
Denet, A., L. ès L. Phil. Toulouse Lectr.
Campbell-Brown, Kathleen, M.A. Asst. Lectr.

Geography
Greenwood, R. H., M.A. Camb. Sr. Lectr.

Geology and Mineralogy
Bryan, W. H., D.Sc. Prof.
Whitehouse, F. W., Ph.D. Camb., D.Sc. Assoc. Prof.

Lecturers
Hill, Dorothy, Ph.D. Camb., M.Sc., F.G.S.
Jones, O. A., D.Sc.
Robinson, E. V., B.A.
Gradwell, R. Asst. Lectr.
3 Spec. Lectrs., 4 Teaching Fellows, 2 Res. Assts.

German
Leopold, K., B.A. Syd. Lectr.
St. Leon, R. P. F., B.A. Lectr.
Hallister, E. N., B.A., Dip.Ed Melb. Asst. Lectr.

History and Political Science
Greenwood, G., M.A. Syd., Ph.D. Lond. McCaughey Prof.
Neale, R. G., B.A., Dip.Ed. Melb. Sr. Lectr.
Davis, S. R., LL.B., Ph.D. Sr. Lectr.
Morrison, A. A., M.A. Lectr.
Joyce, R. B., B.A. Lectr.
Truman, T. C., B.A. Melb. Lectr.
McNaughtan, I. D., B.A. Syd. Asst. Lectr.
3 Res. Assts.

Journalism A
20 Special Lectrs.

Journalism B
7 Special Lectrs.

Law
Harrison, W. N. L., B.A., LL.M. Garrick Prof.
Anderson, H. R., M.A. Oxon., LL.B. W.Aust. Chief Lectr.
Sykes, E. I., B.A., LL.M. Sr. Lectr.
Ryan, K. W., B.A. Lectr.
7 Pt.-time Lectrs.

Mathematics
Simonds, E. F., M.A., B.Sc. Syd., Ph.D. Col. Prof.
McCarthy, J. P., M.A. Assoc. Prof.
Raybould, Ethel H., M.A. Sr. Lectr.
Finucan, H. M., M.A. Oxon. Sr. Lectr.
Evans, I. A., M.Sc. Lectr.
Powell, H. K., M.A., B.Sc. Asst. Lectr.
1 Pt.-time Lectr.

Mineralogy, v. Geology, *supra*

Modern Languages, v. Inst. of Mod. Langs., *infra*

Music
Brandon, H. E., F.T.C.L. Sr. Lectr. and Organizer.

Philosophy and Psychology
Kyle, W. M., M.A. (Philos.) Prof.
Naylor, G. F. K., M.A., M.Sc. Syd., Dip.Ed. (and Psychol.) Sr. Lectr.
Harwood, Elsie, M.A. (Psychol.) Lectr.

James, G., M.A. Lectr.
Thiele, H. W., B.A. (Psychol.) Asst. Lectr
Hall, A. C. (Philos.) Temp. Asst. Lectr.
9 Pt.-time Lectrs, 2 Res. Assts.

Physical Education
Burge, I. C., B.Phys.Ed. Springfield, B.Com. Dir.
Simpson, K., Dip.Phys.Ed. Asst. Dir.
Willmott, R. Male Instr.
Park, Joan B., M.Sc. Mass., Dip. Phys.Ed. Female Instr.
5 Pt.-time Lectrs. and Demrs.

Physics
Webster, H. C., D.Sc. Tas., Ph.D. Camb., F.I.P., F.R.Met.S. Prof.
Reimann, A. L., D.Sc. Adel., Ph.D. Berl., F.I.P. Res. Prof.
Crouchley, J., B.Sc. W Aust., M.Sc. Adel. Lectr.
Burke, M. J., B.Sc. Syd. Lectr.
McNicol, R. W. E., M.Sc. Camb. Lectr.
Thomas, J. A., B.Sc. Adel. Asst. Lectr.
Colville, J. S. Temp. Asst. Lectr.
2 Teaching Fellows, 2 Demrs., 1 Res. Asst.

Physiology
Macfarlane, W. V., M.A., M.B., Ch.B. N.Z. Prof.
Lecturers
Morris, R. J. H., M.B., B.S.
Kronfeld, D. S., B.Vet.Sc., B.Sc.
Assistant Lecturers
Jackson, R. B., M.Sc. Melb. (Biochem.).
Robinson, Kathleen W., M.Sc.
MacDonald, K., B.Sc. Syd.
Klemm, G. H., B.Sc.
9 Demrs., 2 Res. Assts.

Psychology, v. Philosophy, *supra*

Radiation Physics
Webster, H. C., D.Sc. Tas., Ph.D. Camb., F.I.P., F.R.Met.S. Prof.
Robertson, D. F., M.Sc. Sr. Lectr.

Surveying
James, F. W., M.Sc. Lectr.
Miller, P. C., B.Surv. Lectr.
3 Pt.-time Lectrs., 1 Demr.

Veterinary Science
Ewer, T. K., Ph.D. Camb., B.V.Sc. Syd. (Animal Husbandry) Prof
Francis, J., B.Sc. Lond. (Preventive Med.) Prof.
Sprent, J. F. A., Ph.D., B.Sc. (Vet. Parasitol.) Res. Prof.
Burns, R. H., B.V.Sc. Syd. Sr. Lectr.
McDowall, A., B.V.Sc. (Vet. Anat.) Sr. Lectr
May, N. D. S., B.Sc. (Vet. Anat.) Lectr.
McBride, G., B.Agr Sc Lectr.
Winter, H., Dr.Med.Vet.Bact., Tierarztdipl. (Vet. Pathol.) Lectr.
Moodie, E. W., B.V.Sc., Ph.D. Lectr.
English, P. B., B.V.Sc. (Clin. Med.) Lectr.
Tucker, R., D.V.Sc. Warsaw, D.V.Med. Munich (Vet. Anat.) Lectr.
12 Pt.-time Lectrs., 9 Spec. Lectrs.

Zoology
Stephenson, W., B.Sc., Ph.D. Durh. Prof.
Bleakly, M. C., M.Sc. N.Z., D.Phil. Oxon. Sr. Lectr.
Mather, W. B., B.Sc. Lectr.
Endean, R., B.Sc. Syd. Asst. Lectr.
Hiscock, I. D., M.Sc. Adel., Ph.D. Melb. (Zool.) Asst. Lectr.
3 Demrs. 1 Res. Asst.

Dentistry

Lumb, S. F., D.D.Sc., L.D.S. Melb. Prof.

Senior Lecturers

Pearn, J. O.
Sagar, J. A., B.D.Sc.
Ramsay, E. D., B.D.Sc.
McDougall, W. A., B.D.Sc.

Lecturers

Martin, K. H., B.D.Sc.
Kruger, B. J., B.D.Sc.
12 Temp. Lectrs., 1 Demr., 10 Pt.-time Lectrs.

Medicine

Anatomy

Wilkinson, H. J., B.A. Adel., M.D., Ch.M. Syd. Prof.
Hickey, M. F, M.A., M.B., B.S. Assoc. Prof.
Meyers, E. S., M.B. Syd., F.R.A.C.S. (and Oper. Surg.) Sr. Lectr.
Hayhow, W. R, M.B, B.S. Melb. Sr. Lectr.
Kenny, G., M.B., B.S. Lectr.
3 Temp. Lectrs., 1 Pt.-time Lectr.

Bacteriology, v. Pathology, *infra*

Medical Psychology, Psychiatry and Mental Hygiene

Bostock, J., M.B., B.S., D.P.M. Lond., F.R.A.C.P. Res. Prof.
1 Res. Asst.

Medicine

Murphy, O. E. J., M.B., Ch.M. Syd., F.R.A.C.P. Actg. Half-time Prof.
Jackson, D. C., M.B., B.S., D.C.H. Half-time First Asst. in Pædiatrics.
5 Teaching Registrars, 8 Spec. Lectrs., 10 Clin. Lectrs., 28 Asst. Clin. Lectrs., 15 Tutors, 2 Pt.-time Demrs., 2 Pt.-time Lectrs.

Obstetrics and Gynæcology

Shedden-Adam, G. W., M.B., B.S. Syd., F.R.C.S., F.R.C.O.G. Half-time Prof.
3 Teaching Registrars, 3 Specialist Lectrs., 6 Clin. Lectrs., 6 Asst. Clin. Lectrs., 1 Tutor.

Pathology and Bacteriology

Canny, A. J., B.Sc., M.B, B.S. Syd. Prof.
Skerman, V. B. D., B.Agr.Sc. (Bacteriol.) Chief Lectr.
Inglis, J. A., M.B., B.S. (Clin. Path.) Chief Lectr.
Vickers, T. H., M.B. Syd. (Path.) Sr. Lectr.
Quinn, R. L., M.B., B.S. (Path.) Clin. Sr. Lectr
Back, K. J. C, B.Sc. Syd. (Bact.) Lectr.
J. G. Atherton, B.Sc. (Bact.) Asst. Lectr.
3 Demrs. (Bact.), 1 Temp. Lectr., 1 Res. Asst. (Bact.), 1 Tutor, 1 Demr. (Pathol.).

Physiotherapy

Crawford, H., M.B., B.S. Melb., F.R.A.C.S. Lectr.-in-charge.
Philcox, Sara Sr. Instr.
8 Spec. Lectrs., 1 Pt.-time Lectr., 5 Demrs., 1 Pt.-time Demr.

Psychiatry, v. Med. Psychol.

Social and Tropical Medicine

Meyers, E. S., M.B. Syd., F.R.A.C.S. Actg. Hon. Prof.
Sandars, Dorothea F., M.Sc. W. Aust. (Parasitol.) Sr. Lectr.
1 Spec. Lectr., 35 Occasl. Lectrs.

Surgery

Sutton, N. G., M.B., Ch.M. Syd., F.R.C.S.Ed., F.R.A.C.S. Half-time Prof.
Gallagher, M. J., M.B., B.S., M.Ch.Orth. (Orthopæd. S.) Asst. Lectr.

Mowat, J. K., M.B., B.S. Syd., M.S. Chief Asst. to Prof.
McSweeney, A., M.Ch.Orth. (Orthopæd. S.) Asst. Lectr.
12 Sp. Lectrs., 7 Clin. Lectrs., 21 Asst. Clin. Lectrs., 13 Tutors, 4 Teaching Registrars, 3 Demrs.

External Studies

Ringrose, E. C. D., B.A., B.Sc., B.Ed. Assoc. Prof., Dir.
Hamilton, K. G., B.A. Melb. Asst. Dir.
Grimshaw, C., B.A., Dip.Ed. Syd. (Hist.) Lectr.

Assistant Lecturers

Popple, Myra A., B.A. (Maths.).
Vallis, V. T., B.A. (Philos.).
Staveley, R. W., B Ec. Syd. (Econ.).
Maidment, W. M., B.A. Syd. (Engl.).
Edwards, P. D., B.A. (Engl.)
O'Donnell, M. P., B.Sc. (Maths.).
Needham, Rev. G., M.A., T.D. Lond. (Educn.).
Stoodley, June, B.A. (Hist.).
Harsanyi, J. C., M.A., Dr.Phil. Bud.

Assistants

Ruddell, Caroline, B.A.
O'Sullivan, M. M.
White, Olive N., B.A.
13 Tutors.

Institute of Modern Languages

Part-time Lecturers

Cochrane, G. R., M.A. Melb. (French).
Leopold, K., B.A. Syd. (German).
Gatto, J. (Italian).
Hallister, E. N., B.A., Dip.Ed. (German and Dutch).
Fan, K. Y. (Chinese).
Josiffe, R J. (Malay).
Zaver, I. S. (Russian).
Beresford, H. B., M.A., B.Ed. Camb. (Spanish).
Campbell-Brown, Kathleen, B.A. (French).
Innes, Rev. H. S. R. (Hebrew).
Mahdhar, T. U. (Malay).

ADMINISTRATIVE AND OTHER STAFF

Librarian: H. Bryan, B.A. Manager of Univ. Press: F. A. Perkins, B.Sc.Agr. Syd.

RECOGNIZED RESIDENTIAL COLLEGES

EMMANUEL (Presb.), Wickham Tce., Brisbane. (*Telephone*: Brisbane B5653, B4560.) Principal—Rev. M. Henderson, M.A. Camb. 80 students.

ST. JOHN'S (C. of E.), 196 River Tce., Kangaroo Point, Brisbane. (*Telephone*: Brisbane X2593, J3255.) Warden—Rev. A. C. Stevenson, M.A., Th.L. 50 students.

KING'S (Methodist), River Tce., Kangaroo Pt., Brisbane. (*Telephone*: Brisbane J2853, X3185, X3555.) Master—Rev. H. H. Trigge, M.A., B.D. Melb. 110 students.

ST. LEO'S (R.C.), 269 Wickham Tce., Brisbane. (*Telephone*: Brisbane B9305, B4883.) Rector—Rev. Fr. G. Power. 65 students.

WOMEN'S (undenominational), Shafston Ave., Kangaroo Pt., Brisbane (*Telephone*: Brisbane J1749, J4218.) Principal—Margaret Piddington, B.A. Syd. 38 students.

DUCHESNE (R.C. women), 52 Merthyr Rd., New Farm, Brisbane. (*Telephone*: Brisbane LW2418, LW2704.) Principal—Joan Percy-Dove, M.A., Dip.Ed. Syd. 35 students.

UNIV. OF QUEENSLAND UNION COLLEGE, 193 Wickham Tce., Brisbane. (*Telephone*: Brisbane B4992, B7464.) Hon. Warden—Assoc. Prof. M. F. Hickey, M.A., M.B., B.S. 54 students.

CROMWELL (Congregational). Principal—Rev. G. L. Lockley, M.A., B.D.

GENERAL INFORMATION

The Univ. was established by an Act of the local legislature in 1909, and the entire management and control are in the hands of a Senate. The Senate consists of 25 members—15 appointed by the State Govt. and 10 elected by the Univ. Council (consisting of all members and past members of the Senate; all graduates of the Univ. of 3 yrs. standing; persons appointed by the Govt. as representative of commerce, industry and scientific assocns.; benefactors, etc.). Under the University of Queensland Act Amendment Act of 1941, which came into operation on Nov. 8, 1943, the number of Govt. representatives on the Senate was increased to 15, making the total number of members 25 instead of 20. The Univ. is subsidized by the State and Federal Govts.

INCOME (1953). £A788,012 (State Govt., £A405,360; Federal Govt., £A163,006; Fees, £A121,319).

LOCATION. The present site belongs to the Central Technical Coll. and is used only temporarily for Univ. purposes. The permanent site of the Univ., consisting of 223 acres, is situated on the Brisbane River in the suburb of St. Lucia. It has a river frontage on three sides, and was the gift of Dr. and Miss Mayne, Brisbane. At present, bldgs. at St. Lucia are occupied by the Facs. of Arts, Commerce, Law and Educn., the Depts. of Chem., Ext. Studies, Geol., Phys. Educn. and Surveying, the Main Library and Administration. It is planned to continue with the construction of further bldgs. to house other Facs. and Depts. not accommodated at other sites.

LIBRARY, 120,166 vols. LABORATORIES: Anat., Agric., Biophysics, Bot., Chem., Applied Chem., Educn., Engin. (Mech., Elect., Met., Fuels), Geol., Metall. and Assaying, Pathol. and Bacteriol., Physics, Physiol., Dent., Vet. Sci. and Zool.

FACULTIES AND DEANS. *Agric.*, Prof. L. J. H. Teakle; *Archit.*, Prof. R. P. Cummings; *Arts*, Prof. G. Greenwood; *Commerce*, Prof. J. K. Gifford; *Dent.*, Prof. S. F. Lumb; *Educn.*, Prof. F. J. Schonell; *Engin.*, Prof. M. Shaw; *Law*, Prof. W. N. L. Harrison; *Med.*, Prof. H. J. Wilkinson; *Science*, Prof. D. A. Herbert; *Vet. Science*, Prof. T. K. Ewer.

ADMISSION. *See* Appendix I. Non-matriculated students: any person not less than 16 yrs. of age, who, in the opinion of the Dean of Fac. concerned, is competent to undertake the work, may be permitted to enrol for the course in any subject.

PUBLIC EXAMINATIONS are held by the Univ. annually in Nov.-Dec.: Junior and Senior. For matricn., the corresponding public examns. of the other Australian Univs. are recognized subject for subject as equivalent to these. *See also* Appendix I.

DEGREE COURSES. Day students: 2 yrs.—B.Ed. postgraduate (Pass and Hons.); 3 yrs.—B.D. postgraduate (Pass and Hons.), B.A., B.Com., B.Sc., B.Surv.; 4 yrs.—B.A. (Hons.), B.Com. (Hons.), B.Sc. (Hons.), B.Sc. in For., B.Agr.Sc. (Pass and Hons.), B.Sc. (App.) in Indust. Chem., B.Sc. (App.) in Med. Science, B.Sc. (App.) in Geol., B.Sc. (App.) in Physiotherapy, B.D.Sc.

(Pass and Hons.), B.E. (Pass and Hons.) in Civil, Mech., Elect., Chem., Mining Engin.; 5 yrs.—B.Vet.Sc. (Pass and Hons.), B.Sc. (App.) (Hons.), LL.B. (Pass and Hons.), B.Agr.Sc. (Hons.), B.Sc. in For. (Hons.); 6 yrs.—M.B., B.S. (Pass and Hons.), B.Arch. (3 yrs. day, 3 yrs. evening), B.A., LL.B.; 7 yrs.—B.Arch. (Hons.).

HIGHER DEGREES. Open to Bachelors of 2 yrs.' standing of this or other approved Univs.: M.A., M.Com., M.Sc., M.D.Sc., M.App.Sc., LL.M., M.Arch., M.Ed., M.S.; of 3 yrs.' standing: M.Sc. in For., M.E., M.Agr.Sc., M.D.; of 4 yrs.' standing: D.D.Sc.; of 5 yrs.' standing: D.Agr.Sc., D.Sc., D.V.Sc., D.Sc. in For.; of 7 yrs.' standing: D.Litt., D.Econ., D.E. Open to Masters of 3 yrs.' standing: D.E.; of 5 yrs.' standing: LL.D. Standing required before admission to the Ph.D. course varies according to the Fac. in which prior degree taken. These higher degrees are obtained by examn. and/or submission of a thesis, but in some cases certain specified outside experience is required in addition.

DIPLOMAS. Commerce (on unit basis—approx. 3 yrs.); Journalism, 2 yrs. for persons with 3 yrs.' practical experience; Physiotherapy (Massage), Physical Educn., 3 yrs.; Music, 2 yrs.; Divinity, 2 yrs.; Educn., 1 yr. postgraduate; Educational Psychol., 1 yr. postgraduate; Ophthalmol.; Psychological Med.; Sugar Technol., 1 yr. postgraduate.

CERTIFICATES. Educn. (on subject basis, approx. 3 yrs.); Accountancy, 3 yrs. (may be followed in any approved Coll. or Instn.); Teaching of Handicapped Children, 1 yr. postgraduate.

EVENING LECTURES AND EXTERNAL STUDENTS. In the courses which are available to them, evening and external students are permitted to spread their studies over a longer period than that prescribed for day students, and pay a proportionate amount of fees each year. By completing 5 yrs.' evening work at the Univ. exemption from the first 2 yrs. of the B.E. course may be obtained. Enrolments are accepted from students resident in Queensland and Northern New South Wales. Students with two units to their credit will be allowed to continue outside Queensland and Northern New South Wales or, in certain cases, from overseas. Persons who, having matriculated, are unable to attend lectures at or in connexion with the Univ., may pursue by correspondence certain courses in the Faculties of Arts, Commerce, Law and Education, under the guidance of the Director of External Studies. They may thereby, provided they pass the usual degree examns. (which may be held at local centres), qualify for degrees. Examinations are held anywhere in Australia or overseas.

FEES. Registration, £A2 : 2s.; admission, *ad eundem statum*, £A2 : 2s.; Lecture Fees for single subject per term, £A4 : 4s.; Composition Fees for complete Degree Course in the Facs. of Arts, Comm. and Education, 24 to 36 gs. p.a.; Law, approx. £A45 p.a.; Science (Pure), Science (Applied), Engineering and Veterinary Science, 40 to 42 gs. p.a.; Architecture, 42 gs. 1st 3 yrs., 24 gs. 4th and 5th yrs., 20 gs. 6th yr.; Dentistry, £A68 p.a.; Medicine, £A70 p.a.; General Purposes Fee, £A3 : 10s. to £A6 : 10s.; Examn. Fees, 2 gs. to 12 gs.; Graduation Fees—Bachelor, 6 gs. to 12 gs.; Master, 10 gs.; Doctor, 10 gs.

SCHOLARSHIPS, ETC., FOR GRADUATES. I.C.I.A.N.Z. Res. Fellowship for 2 yrs., £A600 p.a.; Monsanto Res. Scholp. tenable for maximum of 2 yrs., £A450-£A600 p.a.

RESIDENCE. Undergraduates are required to reside with their parents or approved friends or a tutor or in a recognized Residential Coll. or other instn.

approved by the Senate. Fees in any of the Colls., including residence, commons and tuition, amount to approx. £A130 per year.

MUSIC EXAMINATIONS. Under a joint scheme, controlled by the Australian Music Examns. Board, which is representative of the Univs. of Queensland, Melbourne, Tasmania, Adelaide and Western Australia, and the State Conservatorium of Music of New South Wales, examns. in Music and Art of Speech are held throughout the Commonwealth twice a year, in May and September.

APPOINTMENTS BOARD. The Bd. offers assistance to graduates seeking appt. after graduation and to those who desire advancement in their particular field. Information concerning vacancies in Australia and overseas is received regularly and distributed to those graduates enrolled with the Board who might be interested. The Bd. also assists undergraduates to secure temp. employment during vacations.

EXTRA-MURAL WORK. An Institute of Modern Languages has been established to provide for the study, under expert guidance, of foreign languages up to the Senior Public Examination, *i.e.* matriculation, standard. Classes were held during 1953 in Chinese, French, German, Hebrew, Italian, Russian, Spanish.

PUBLICATIONS. *Handbooks* for all Facs., 3s. each; *Manual of Pub. Examns.*, 4s. (postage 3d. extra); *Music Manual*, free, postage 3d.; Faculty *Brochures*; *The University of Queensland—Its Development and Expansion*; University *Gazette*; University *Law Journal*; *Macrossan Lectures*; *The University of Queensland: 1910–1922* (Brisbane, 1923); *An Account of the University of Queensland during its first twenty-five years: 1910–1935* (1935).

UNIVERSITY OF QUEENSLAND PRESS. Established in 1948. Activities of the press: (*a*) publicn. of text-books, lab. manuals and other works of an academic nature approved by the Publicns. Cttee.; and (*b*) maintenance of a Bookshop for the sale of text-books, stationery, apparatus and other student requisites.

THE YEAR 1953

NEW BUILDINGS. Steady progress made with construcn. of Physics Bldg. at St. Lucia.

NEW DEPARTMENT AND POST. Full-Time Prof. of Medicine appointed.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	1285	1756
Women	348	346
Total	1633	2102

External students, 1156 (997 men and 159 women).

Postgraduate students, 94.

New admissions, 864 (including both matriculated and non-matriculated).

Students from other countries, 58. (Countries from which largest numbers came: Federation of Malaya, 20; Singapore, 7; India, 7; China, 6; Ceylon, 6; Indonesia, 6; Pakistan, 3.)

DEGREES. B.A., 65; M.A., 8; LL.B., 8; B.Com., 30; B.Ed., 1; M.Sc., 7; B.Sc., 66; B.Sc. (Forestry), 1; B.App.Sc. (Indust. Chem.), 2; B.App.Sc. (Med. Sc.), 2; B.App.Sc. (Geol.), 1; M.B., B.S., 54; B.E., 45; B.S., 7; M.Agr.Sc., 2; B.Agr.Sc., 9; B.V.Sc., 19; B.D.Sc., 37; D.D.Sc., 1; B.Arch., 6.

DIPLOMAS. Educn., 32; Comm., 9; Phys. Educn., 12; Physiotherapy, 9; Mech. and Electr. Engin., 30; Archit., 6; Sugar Technol. 3.

CERTIFICATES. Educn., 30; Accountancy, 54.

[*Information compiled as at June* 1954 ;
Staff list revised on 22/9/54.]

UNIVERSITY OF SYDNEY*

Founded 1850

Postal Address : Sydney, New South Wales, Australia.
Telephone : MW0522.

VISITOR—H.E. THE GOVERNOR.

CHANCELLOR — Sir CHARLES BICKERTON BLACKBURN, O.B.E., B.A. Adel., Hon. D.Sc. N.S.W.U.T., M.D., Ch.M., F.R.C.P., Hon. F.R.C.P.Ed., F.R.A.C.P.

DEPUTY-CHANCELLOR—C. G. McDONALD, M.B., Ch.M., F.R.A.C.P.

VICE-CHANCELLOR—Emeritus Professor S. H. ROBERTS, M.A., Litt.D. Melb., LL.D. Brist., D.Sc. (Econ.) Lond., D.C.L. Durh.

REGISTRAR—W. H. MAZE, M.Sc.

LIBRARIAN—E. V. STEEL, B.A.

TEACHING STAFF

Accountancy, v. Econ.

Agriculture, v. also Vet. Sci.

McMillan, J. R. A., M S. Corn., D.Sc.Agr. Dean and Prof.

Readers

Campbell, K. O., A.M., Ph.D. Chic., M.P.A. Harv., B.Sc.Agr. (Agric. Econ.).

Breyer, B. Z., Ph.D. Bonn, M.D. Padua (Agric. Chem.) (on leave).

Senior Lecturers

Vincent, J. M., B.Sc.Agr., Dip. Bact. Lond. (Agric. Microbiol.).

Watson, I. A., Ph.D. Minn., B.Sc. Agr. (Genetics and Plant Breeding).

White, N. H., D.Sc. Tas., M.Sc. (Plant Pathol.).

Lecturers

Anderson, R. H., B.Sc.Agr. (Forestry).

Bowman, F. T., Ph.D. Mich., M.Sc. Calif., B.Sc Agr. (Hortic.).

Baker, E. P., Ph.D. Calif., B.Sc. Agr. (Genetics and Plant Breeding).

Sullivan, G. D., B.Sc. Wales (Agric. Bot.).

Reid, R. L., Ph.D. Camb., B.Sc. Agr. (Animal Husbandry).

Latter, B. D. H., B.Sc.Agr. (Stat. Methods).

Hacobian, S , M.Sc. (Agric. Chem.).

Anatomy

Burkitt, A. N. St. G. H., M.B., B.Sc. Challis Prof.

Stump, C. W., M.D., Ch.B., D.Sc. Edin. (Histol. and Embryol.) Bosch Prof.

Macintosh, N. W. G., M.B., B.S., Dip. Anth. Reader.

Senior Lecturers

Garde, Mary L., B.Sc. (Histol.).

* Member of the Association of Universities of the British Commonwealth.

Gabriel, A. C., D.D.Sc. (Dental Anat.).
Plomley, N. J. B., M.Sc. Tas., B.Sc.
Cleland, K. W., M.B., B.S. (Cytol.).

Lecturers

O'Brien, B. R. A., B.Sc. (Experimental Embryol.).
Reid, B. L., M.B., B.S., B.V.Sc. (Histol. and Embryol.).

Anthropology

Elkin, A. P., Ph.D. Lond., M.A. Prof.

Readers

Hogbin, H. I. P., Ph.D. Lond., M.A.
Capell, A., Ph.D. Lond., M.A. (Oceanic Langs.).

Archæology

Stewart, J. R. B., M.A. Camb. Sr. Lectr.

Architecture

Ashworth, H. I., M.A., B.Arch. Manc., F.R.I.B.A., F.R.A.I.A. Dean and Prof.
Cowan, H. J., Ph.D. Sheff., M.Sc. Manc. (Arch. Sci.) Prof.
Winston, D., B.Arch. Liv., A.M. Harv., F.R.I.B.A. (Town and Country Planning) Prof.

Senior Lecturers

Harrison, P. F., Dip.T.C.P. (Town and Country Planning).
Baldwinson, A. N., F.R.A.I.A.
Molnar, G., dipl.ing.arch. Bud.

Lecturers

Thompson, E. L., B.Arch., F.R.I.B.A., F R.A.I.A. (Arch. Constn.).
Rees, L. (Hist. of Sculpture and Painting).
Meyer, A. R., B.Arch.
Trevor-Jones, E., B.Arch.
Abraham, W. V., B.Arch. (Town and Country Planning).
Woffenden, H. G., B.A. Lond.

Biochemistry

Still, J. L., Ph.D. Camb., B.Sc. McCaughey Prof.

Senior Lecturers

Humphrey, G. F., Ph.D., M.Sc.
Millerd, Alison A., Ph.D., M Sc.
Eden, Eva., M.A., Ph.D. Camb.

Lecturers

Mattocks, K. M., M.B., B.S.
Hensley, W. J., M.B., B.S.
Pollak, J. K., B.Sc.McG.

Botany, v. also Agric.

Crocker, R. L , D.Sc. Adel Prof.
McLuckie, J., M.A Glas., D.Sc. Reader

Senior Lecturers

Mercer, F. V., Ph.D. Camb., B.Sc. Adel.
Smith-White, S., B.Sc.Agr.
Hotchkiss, A. T , Ph.D., M S. Corn. Lectr.

Chemistry,

Le Fèvre, R. J. W., D.Sc., Ph.D. Lond., F.R.I.C. Prof. and Hd. of Sch. of Chem.
Birch, A. J., D.Phil. Oxon., M.Sc. (Org. C.) Prof.
Craig, D. P., Ph.D. Lond., M.Sc. (Phys. C.) Prof.

Readers

Lions, F., Ph.D. Manc., B.Sc.
Iredale, T., D.Sc. Lond., B.Sc., F.R.I.C.
Mellor, D. P., D Sc. Tas.

Senior Lecturers

Hughes, G. K., D.Sc. Adel.
Ritchie, E., D.Sc. (on leave).
Dwyer, F. P. J., D.Sc.
Broe, J. J., M.Sc., Dip.Ed. Q'ld.
Cymerman-Craig, J., Ph.D., B.Sc. D.I.C., F.R.I.C.
Lyons, L. E., Ph.D. Lond., B.A., M.Sc.

Lecturers
Gibson, N. A., M.Sc., Ph.D.
Ross, I. G., Ph.D. Lond., M.Sc. (Phys. C.).
Freeman, H. C., M.Sc.

Divinity, v. *infra*

Economics
Butlin, S. J., M.A., Litt.D. Camb., B.Ec. Dean and Prof.
Spann, R. N., M.A. Oxon. (Govt. and Pub. Admin.) Prof.

Senior Lecturers
Black, H. D., M.Ec. (Econ.).
Rutherford, R. S. G., M.A. Oxon. (Econ. Stats.)
Kewley, T. H., M.A., Dip Soc. Stud., Dip.Pub.Admin. (Govt. and Pub. Admin.).
Gates, R. C., M.A. Oxon., B.Com. Tas. (Econ.) (on leave).
Laufer, R. M. A., B.A. W. Aust. (Econ.).
Simpson-Lee, G. A. J., B.Ec. (Econ.) (on leave).
Chambers, R. J., B.Ec. (Accty.).

Lecturers
Bridge, A. B. K. I., LL B. (Com. and Industr. Law).
Edwards, H. R., B.A. (Econ.).
Ginswick, J., B.Sc. (Econ.) Lond. (Econ. Hist.).
Wilson, J. R., M.Ec. (Econ.).
Drane, N. T., B.Ec. (Econ.) (on leave).
Wheelwright, E. L., M.A. St. And. (Econ.).
Buckley, K. D., B.A. Lond. (Econ. Hist.).
Singer, K., Dr.rer.pol. Stras. (Econ.) Actg. Lectr.
Mayer, H., B.A. Melb. (Govt.).
Birch, A., M.A., Ph.D. Manc. (Econ. Hist.).

Education
McRae, C. R., Ph.D. Lond., M.A., Dip.Ed. Melb. Prof.
Connell, W. F., Ph.D. Lond., A.M. Ill., M.A., M.Ed. Melb. Reader.
Brown, M. S., Ph.D. Lond., M.A., Dip.Ed. Sr. Lectr.

Engineering, v. *infra*

English
Mitchell, A. G., Ph.D. Lond., M.A. (Early Engl. Lit. and Lang.) McCaughey Prof.
Milgate, W., M.A. (Engl. Lit.) Challis Prof.
Howarth, R. G., B.Litt. Oxon., B.A., F.R.S.L. Reader.
Oliver, H. J., M.A. (on leave). Sr. Lectr.
..... Sr. Lectr.

Lecturers
Herring, Thelma G., B.A. Oxon., M.A.
Wilkes, G. A., M.A., Dip.Ed. (on leave).

Forestry, v. Agric.

French
Henning, I., D de l'U. Paris, B.A. McCaughey Prof.
..... Sr. Lectr.

Lecturers
Goesch, K. J., D. de l'U. Paris, B.A., Dip.Ed.
Laufer, R., L. ès L., Ag. des L. Paris.

Geography
Holmes, J. M., Ph.D., B.Sc., Glas. McCaughey Prof.
Andrews, J., Ph.D. Camb., B.A. Sr. Lectr.

Lecturers
Mackenzie, W. D., B.Sc. (on leave)
Devery, P. J., B.Sc., Dip.T.C.P. (Phys. G.)

Geology and Geophysics
Marshall, C. E., D.Sc. Birm., Ph.D. Durh., F.G.S. (on leave). David Prof. of Geol. and Hovell Lectr.

Osborne, G. D., Ph.D. Camb., D.Sc. Reader.

Senior Lecturers

Dulhunty, J. A., D.Sc.
Rickwood, F. K., B.Sc.

Lecturers

Quodling, Florrie M., B Sc
Coleman, P. J., B.Sc. W. Aust.
Vallance, T. G., Ph.D., B Sc. (Petrol.).

German

Farrell, R. B., Dr.phil. Berl., M.A. (on leave).
Dean, Fac. of Arts and McCaughey Prof.
Crossley, R. G., Dr.phil. Freiburg, B.A. W.Aust. Sr. Lectr.

Greek

Shipp, G. P., M.A. Camb., B A. Prof.

Senior Lecturers

Treweek, A. P., Ph.D. Lond., B.A.
Quincey, J. H., M.A. Oxon (on leave).

Histology and Embryol., v. Anat.

History

Ward, J. M., M.A., LL.B. Challis Prof.

Senior Lecturers

Jacobs, Marjorie G., M.A.
Bramsted, E., Ph.D. Lond., Dr. phil. Berl.
Shaw, A. G. L., M.A. Oxon., B.A. Melb.
Evans, D. G., B.A. Wales and Lond. (Anc. World).

Lecturers

MacCallum, D. M., B.A.
Mansfield, B. E., M.A.

Italian

Shaw, R. A., M.A., Dip.Ed. Melb. Sr. Lectr.-in-charge.

Lecturers

McCormick, C. A., B.A. Camb.
De Francesco, G. A., dott. in lettere Padua

Latin

Dunston, A. J., B.A. R'dg., M.A. Camb. Prof.
Shipp, G. P., M.A. Camb., B.A. (Comp. Philol.) Reader.

Senior Lecturers

Powe, A. B., M.A. Q'ld.
Robinson, A. H., M.A.
Nicholls, J. J., M.A. Camb., B.A. Lectr.

Law, v. *infra*

Mathematics

Room, T. G., M.A. Camb., F.R.S. (Pure M.)
Dean of Fac. of Sci. and Prof.
Bullen, K. E., Sc.D., Ph.D. Camb., M.A. N.Z. and Melb., B.Sc. N.Z., F.R.S., F.R.A.S. (Appl. M.) Prof.
Barnes, E. S., B.A., Ph.D. Camb., B.A. (Pure M.) Reader.

Senior Lecturers

Smith-White, W. B., M.A. Camb. B.Sc. (Pure M.).
Chong, F., M.A. Camb., Ph.D. Iowa State, M.Sc. (Pure M.).
Westfold, K. C., D.Phil. Oxon., M.A., B.Sc. Melb. (Appl. M.).
Mulhall, H., Ph.D. Camb., B.Sc. (Math. Stats.).
Pillow, A. F., Ph.D. Camb., B.A. Melb. (Appl. M.).
Woods, L. C., M.A., D.Phil. Oxon., D.Sc., B.E. N.Z. (Appl. M.).

Medicine, v. *infra*

Mining, v. Engineering

Music

Peart, D. R., M.A., B.Mus. Oxon. Prof.
Platt, P., B.A., B.Mus., B.Litt. Oxon. Lectr.

Pharmacology

Thorp, R. H., Ph.D., B.Sc. Lond. Prof.

Johnson, E. A., M.D., Ch.B. Sheff. Sr. Lectr.

Pharmacy

Wright, S. E., M.Sc. Q'ld., Dip. Pharm. Sr. Lectr.

Large, Dorothy K., B.Sc., Dip. Pharm. Lectr.

Philosophy

Anderson, J., M.A. Glas. Challis Prof.

Senior Lecturers

Walker, Alice R., B A.

Rose, T. A., M.A. (on leave).

Baker, A. J., B.Phil. Oxon., B.A. Lectr.

Philosophy, Moral and Political

Stout, A. K., M.A. Oxon. Prof.

Mackie, J. L., M.A. Oxon., B.A. Sr. Lectr.

Monro, D. H., M.A. N.Z. Lectr.

Physics

Messel, H., Ph.D. N.U.I., B.A., B.Sc. Qu. Prof. and Hd. of Sch.

Bailey, V. A., M.A., D.Phil. Oxon., F.I.P. Res. Prof.

Love, W. H., Ph.D. Camb., B.Sc. Dir. First and Second Yr. Courses.

Readers

Makinson, R. E. B., Ph.D. Camb., B.Sc.

George, E. P., B.Sc., Ph.D. Lond., F.I.P.

Blatt, J. M., Ph.D. Corn. and Prin., B.A. Cincinatti, F.A.P.S.

Butler, S. T., Ph.D. Birm., M.Sc. Adel.

Senior Lecturers

Fraser, M., M.A., D.Phil. Oxon.

Builder, G., Ph.D. Lond., B.Sc. W. Aust.

Rathgeber, H. D., D.Ing. Stuttgart.

Lecturers

Guest, P. G., Ph.D., M.Sc. (on leave).

Bannon, J. D., B.Sc. N.U.I., D.Sc., F.I.P.

Herz, A. J., B Sc., Ph.D. Lond.

Ma, S. T., Ph.D. Camb., B.Sc. Peking.

Landecker, K., D.Ing. Berl.

Millar, D. D., Ph.D. Dub., B.Sc. St. And.

Schafroth, M. R., Dr.sc.nat. Swiss Fed. Inst. of Technol.

Physiology

..... Prof.

Bishop, P. O., M.B., B.S. Reader.

Lawrence, W. J., M.Sc. Sr. Lectr.

Carlile, F., M.Sc. Lectr.

Psychology

O'Neil, W. M., M.A., Dip.Ed. McCaughey Prof.

Hammer, A. G., M.A. Sr. Lectr.

Lecturers

Champion, R. A., B.A.

Radcliffe, J. A., B.A.

Sutcliffe, J. P., M.A.

Pollack, R. H , M.A., Ph.D. Clark, B.S. Coll. of City of New York.

Semitic Studies

MacLaurin, E. C. B., M.A. Camb., B.A., B.D. Lectr.

Social Studies

Parker, Norma, M.A. W.Aust., Dip.Soc.Sci. Wash. Actg. Dir., Sr. Lectr. (Soc. Case Work).

Lecturers

Battle, Betty, B.S. Col., Dip. Phys.Ed. Melb. (Soc. Group Work).

O'Neil, W. M., M.A., Dip.Ed. (Psychol.).

Radcliffe, J. A., B.A. (Psychol.).

Ford, E., O.B.E., M.D., B.S. Melb., D.P.H. Lond., D.T.M., F.R.San.I., F.R.A.C.P. (Biol. and Soc. Hyg.).
Forbes, B. R. V., M.B., Ch.M. (Biol. and Soc. Hyg.).
Murray, R. E., B.Sc., M.B., D.P.H., D.T.M. (Biol. and Soc. Hyg.).
Sebire, Irene B., M.B., B.S. Melb. (Mental Health).
Davies, Eneid, Dip.Diet. Lond. (Nutr. & Family Budgeting).
MacCallum, D. M., B.A. (Soc. Hist.).
Maitland, D. W., B.Ec. (Stats.).
Hammer, A. G., M.A. (Mental Health).
Kewley, T. H., M.A., Dip. Soc.Stud., Dip Pub.Admin. (Soc. Hist. and Pub. Admin.).
Mayer, H., M.A. Melb. (Pub. Admin.).
Jelbart, J. M., B.A. (Legal Aspects of Soc. Work).
Monro, D. H., M.A. N.Z. (Soc. Philos.)
Wheelwright, E. L., M.A. St. And. (Econ. and Soc. Orgn.)
Ogilvie, F. Katherine, M.B E., B.A. (Med. Soc. Work)

Veterinary Science

Gunn, R. M. C., B.Sc. Edin., D.V.Sc., B.Sc.Agr., F.R.C.V.S Dean, Fac. of Vet. Sci., and Prof.
Carne, H. R., D.V.Sc. (V. Pathol. and Bacteriol.) Hughes Prof.
Emmens, C. W., D.Sc., Ph.D. Lond. (V. Physiol.) Prof.

Senior Lecturers

Webb, R. M., B.V.Sc. (V. Anat.).
Geddes, H. J., M.Sc.Agr. N.Z. (Animal Husbandry) Garland Sr. Lectr.
Bain, R. V. S., B.V.Sc.. (V. Pathol. and Bacteriol.),
Steel, J. D., B.V.Sc. (V. Med.).
Blood, D. C., B.V.Sc. (V. Med.).
Biggers, J. D., Ph.D., B.Sc., B.Sc. (Vet. Sci.) Lond. (V. Physiol.) (on leave).
Whittem, J. H., B.V.Sc. (V. Pathol. and Bacteriol.).

Lecturers

Gordon, H. M., B.V.Sc. (V. Parasitol.).
Drabble, J., B.V.Sc. (Meat Inspection).
Franklin, M. C., M.Sc. N.Z., Ph.D. Camb. (Animal Nutrition).
Hindmarsh, W. L., B.V.Sc. (V. Epidemiol.).
Hungerford, T. G., B.V.Sc. (Poultry Diseases).
Belschner, H. G., D.V.Sc. (Sheep Diseases).
Golding, N. K., B.V.Sc. (V. Jurisprud.).
Larsen, L. H., B.V.Sc. (V. Surg. and Obstet.).
Osborne, Virginia E., B.V.Sc. (V. Anat.).
Finlay, G. F., Ph.D. Camb., M.S. Wis., B.V.Sc. (Genetics) Actg. Lectr.
Sapsford, C. S., B.V.Sc. (V. Anat.).
White, I. G., B.Sc. (V. Physiol.).

Zoology

Murray, P. D. F., M.A. Camb., B.Sc. Oxon., D.Sc. Challis Prof.

Readers

Briggs, E. A., D Sc.
Woodhill, A. R., D.Sc.Agr. (Entomol.) McCaughey Reader.

Senior Lecturers

Colefax, A. N., B.Sc.
Birch, L. C., D.Sc. Adel., B.Agr.Sc. Melb.
Stephenson, N. G., Ph.D. Lond., M.Sc. N.Z.
Salter, K. E. W., B.Sc. (Entomol.) Lectr.

Dentistry

Ceramics

Grainger, W. A., M.D.S. Lectr.

D. Anatomy and D. Histology

Gabriel, A. C., D.D.Sc. Sr. Lectr.

D. Bacteriology

Goldsworthy, N. E., Ph.D. Camb., M.B., Ch.M. Syd., D.T.M. & H., D.P.H. Camb. Lectr.

D. Jurisprudence

Ash, W. P., B.A., LL.B. Lectr.

D. Materia Medica and Therapeutics

Crane, L. G., D.D.Sc. Lectr.

D. Pathology

Cameron, D. A , M D.S. (on leave) Sr. Lectr.

D. Surgery

Flynn, M. R., B.A., M.D., Ch.M., B.Sc., F.R.A.C.S. Tutor.

Dentistry

Jolly, M., M D.S Sr Lectr.

Nutrition

Wallace, E. S., D.D.Sc. Melb., B.D.S. Lectr.

Operative Dentistry

Arnott, A. J., D.D.Sc., F.D.S.R.C.S., F.A.C.D., F.I.C.D.
Dean and McCaughey Prof.

Lyell, J. S., B.D.S. Sr. Lectr.

Mumford, G., B.D.S. Lectr.

Orthodontia

Benson, W. N., D.D.Sc. Lectr.

Periodontia

Kirkpatrick, R. M., D.D.Sc. Lectr.

Preventive Dentistry

Martin, N. D., M.D.S. Sr. Lectr.

Prosthetic Dentistry

Senior Lecturer

Mackinnon, K. P., M.D.S.

Lecturers

Wilson, J. H., D.D.Sc. (also Partial Denture Construction).

Allcock, B. H., B.D.S.

Divinity

Ecclesiastical History

Arnott, Rev. F. R., M.A. Oxon., Th.D. A.C.T. Hd. of Dept.

New Testament Language and Literature

Brown, Rev. J. H., M.A., B.D., Ph.D. Glas. Hd. of Dept.

Old Testament Language and Literature

MacLaurin, E. C. B , M.A. Camb., B.D. Hd. of Dept.

Philosophical and Historical Theology

Hayward, Rev. S. R. B., M.A. Camb. Hd. of Dept.

Engineering

Aeronautics

Stephens, A. V., M.A. Camb., F.R.Ae.S.
Lawrence Hargrave Prof. and Dean.

Senior Lecturers

Wittrick, W. H., M.A. Camb., Ph.D.

Meyer, R. E., Dr.sc.techn. Swiss Federal Inst. of Technol.

Chemical E.

Hunter, T. G., D.Sc., Ph.D. Birm. Prof.

Fowler, R. T., Ph.D. Lond., B.Sc. Wales. Sr. Lectr.

Lecturers

Parker, H. H. S., B.Sc.

Ellis, J. N., B.E.

Wood, T., M.Sc. Birm.

Civil E.

Roderick, J. W., M.A. Camb., M.Sc , Ph.D. Brist. Challis Prof.

Vogan, H. J., B.E. Reader.

Senior Lecturers

Aston, R. L., M.Sc., Ph.D. Camb., B.Sc., B.E. (Surveying, etc.).

Gray, C. A. M., B.Sc., M.E.

Potter, O. S., B.Sc., B.E.

Davis, E. H., B.Sc. (Eng.) Lond.

Campbell-Allen, D., M.A. Camb.

Lecturers

Rossback, F. B., B.E. (Water Supply and Sewerage).

Hawkins, C. A., B.E. (Road E.).

Rawlings, B , B.Sc., B.E.

Electrical E.

Myers, D. M., B.Sc., D.Sc. Eng., F.I.P. Russell Prof.

Senior Lecturers

Doe, A. G., B.Sc., B.E.

Aitchison, R. E., M.Sc. (Communication E.).

Robinson, R. B., B.Sc., B.E.

Tasny, L., Ing.Dr.Tech. Brünn.

Lecturers

Murray, C. T., B.Sc., B.E. (Electron.).

Messerle, H. K., M.Eng.Sc. Melb.

Honorary Lecturer

Munro, G. H., D.Sc. N.Z., F.I.P.

Mechanical E.

McDonald, G. G., B.Sc., Ph.D. Glas. Russell Prof.

Gibson, W. H. H., B.Sc., M.E. Reader.

Senior Lecturers

Hart, K. R. M., B.Sc., M.E.

Vonwiller, G. B., B.Sc., B.E. (E. Des. and Draw.).

Lecturers

Peterson, V. R., B.A., B.Sc., B.E., B.Ec.

Boomsma, M., Ing. Amst. (Mech. E. Des.).

Bayley, H. G., B.E.

Sherwood, A. A., B.Sc. (Eng.) Lond.

Halliday, R. F., B.E.

Mining E.

..... (Coal M.) Sr. Lectr.

..... Russell Lectr.

Law

Shatwell, K. O., M.A , B.C.L. Oxon. (on leave) Challis Prof. and Dean.

Bankruptcy

Manning, J. K., Q C. Challis Lectr.

Company Law

Evans, J. D., B.A., LL.B. Lectr.

Constitutional Law

Lecturers

Currey, C. H., M.A., LL.D. (Const. Law I).

Mitchell, R. E., LL.B. (Const. Law II)

Contracts

Shatwell, K. O., M.A., B.C.L. Oxon. (on leave). Actg. Challis Lectr.

Conveyancing

Taylor, L. W., B.A., LL.B. Challis Lectr.

Criminal Law

Treatt, V. H., M.M., Q.C., M.A., B.C.L. Oxon., B.A. Challis Lectr.

Divorce and Domestic Relations

Selby, D. M., B.A., LL.B. Lectr.

Equity Law

Jacobs, K. S., B.A., LL.B. Challis Lectr.

Industrial Law

Thomson, D. C., B.A., LL.B. W. Aust. Hyman Lectr.

International Law and Jurispr.
Stone, J., B.A., D.C.L. Oxon., LL.M. Leeds, S.J.D. Harv
Challis Prof.

Introductory Jurisprudence
Thomson, D. C., B.A., LL.B. W.Aust. Sr. Lectr.

Law
Benjafield, D. G., D.Phil. Oxon., LL.B. Sr. Lectr.

Legal Ethics
Teece, R. C., Q.C., M.A., LL B.
Perry Lectr

Legal Interpretation
Monahan, C. D , LL B.
Challis Lectr.

Lunacy Law
Barraclough, F. E , M A., LL.B.
Lectr.

Mercantile Law
Donovan, G. P., B.A., LL.B.
Actg. Challis Lectr.

Pleading
Rath, A. F , B.A., LL.B.
Challis Lectr

Procedure
Bridge, A. B. K. I., LL.B.
Challis Lectr.

Roman Law
Iliffe, J. A., B.A., B.C.L. Oxon.
Challis Sr. Lectr.

Succession and Admiralty
Hutley, F. C., B.A., LL.B. Lectr.

Torts, Private International Law and Evidence
Morison, W. L., D.Phil. Oxon., B.A., LL.B Reader.

Medicine

(for subjects of first 2 yrs.—Anat., etc., v. *supra*)

Anæsthetics
Hotten, W. I. T., M.B., Ch.M., F.R.A.C.P.
Lectr. and Tutor.

Tutors
Marshall, S. V., M.B., Ch.M.
Jobson, P. L., M.B., B.S.
McCulloch, J. F., M.B., Ch.M.
Paton, C. N., M.B., Ch.M.
Radcliff, J. R., M.B., B.S.
Speirs, R. B , M.B., B S.

Bacteriology
de Burgh, P. M., M.B., B.S.
Bosch Prof.
Moss, F. J., M.B , B.S. Melb.
Sr. Lectr.

Child Health
Dods, L. F., M.V.O , M.D., Ch.M., D.C.H. Lond., F.R.A.C.P.
Prof.
Clements, F. W. A., M.D., B.S., D.T.M., D.P.H. Lectr.

Diseases of Ear, Nose, Throat
Halliday, G. C., M.B., Ch.M., F.R.C.S. Lectr.

Diseases of the Skin
Belisario, J. C., C.B.E., M.D., Ch.M., D.D.M. Lectr.

Gynæcology
Stening, G. G. L., M.B., B.S., F.R.C.S., F.R.C.O.G., F.R.A.C S. Lectr.

Gynæcology, Clinical
Lecturers
Chenhall, F. N., M.B., B.S., F.R.C.S., F.R.A.C.S.
Stening, M. J. L., M.D., B.S., F.R.C.S., F.R.A.C.S.
Porter, H. K., M.B., Ch.M.

Tutors
Fraser, M. B., M.B., M.S.
McIlrath, Muriel B., M.B., B.S., F.R.C.S.
Macdonald, R. H., O.B.E., M.B., M.S., F.R.A.C.S.
Loxton, J. C., M.B., B.S., F.R.C.S.
Kennedy, M. M., M.B., B.S., F.R.C.S.Ed., F.A.C.S.

Duggan, A. R. H., M.B., Ch.M., F.R.A.C.S.

Infectious Diseases

Symington, N. J., M.B., Ch.M. Lectr.

Medical Jurispr. and Ethics

Lecturers

Percy, C. E., M.B., Ch.M.

Hunter, J. G., M.B., Ch.M., B.Sc. (Med. Eth.).

Medicine

Lambie, C. G., M.C., M.D., Ch.B. Edin., F.R.C.P. Bosch Prof.

Lecturers

Blacket, R. B., M.B , B S. (Actg.).

Morrow, A. W., M.B., B.S., F.R.A.C.P. (Therapeutics).

Brown, K. S. M., M.B., Ch.M. (Hist. of Med.).

Medicine, Clinical

Lecturers

Susman, E. L., M.B., Ch.M., F.R.A.C.P.

Maddox, J. K., M.D., Ch.M., F.R.A.C.P.

Stobo, A. J. H., M.B., Ch.M., F.R.A.C.P.

Stokes, E. H., M.D., Ch.M., F.R.A.C.P.

Dods, L. F., M.V.O., M.D., Ch.M., D.C.H. Lond., F.R.A.C.P.

Jeremy, R., M.B., Ch.M., F.R.A.C.P.

Brodziak, I. A., M.B., B.S.

Greenaway, T. M., M.B., Ch.M., F.R.C.P., F.R.A.C.P.

Noad, K. B., M D., Ch.M., F.R.C.P., F.R.A.C.P.

Medical Tutors

Harris, R. L., M.B., B.S.

Harrison, K. S., M.B., B.S., D.T.M.

Calov, W. L., M.B., Ch.M., D.T.M., F.R.A.C.P.

McGuinness, A. E., M.C., M.B., B.S.

Bateman, T. P. G., M.B., B.S.

Corlette, E. L., M.B.E., M.B., B.S.

Hughes, K. T., M.B., B.S.

Sevier, J. N., M.B., B.S.

Spark, T. E. H., M.B., B.S.

Hudson, C. B., M.B., B.S.

Haynes, B. G., M.B., B.S.

Anderson, D. J., M.D., B.S., F.R.A.C.P.

Wilson, F. H. H., M.B.

Isbister, J., M.B., B.S.

Puflett, R. D., M.B., B.S.

Ritchie, F. L., M.B., B.S.

Latham, J. V., M.B., B.S.

Halliday, E. J., M.B., B.S.

McDonald, G. L., B.A , M.B., B.S.

Reader, S. R., M.B., B.S.

Deakin, J. H., M.B , B.S.

Deck, M. F., M.B., B.S.

Read, F. H., M.B., B.S.

Eakin, R. I., M.B., B.S.

Hamilton, D. G., M.B., B.S.

Joseph, M. R., M.B., B.S., B.Sc.

Curtin, B. A. D., M.B., B.S.

Sherwood, J. E., M.B., Ch.M.

Collins, I. S., M.B., B.S.

Radford, J. G., M.B., B.S.

Robertson, T. I., M.B., B.S.

Hall, G. V., M.B., B.S.

Blacket, R. B., M.B , B.S.

Raftos, J., M.B., B.S.

Sibree, E. W., M.D., B.S.

Spedding, R. L., M.B.

Stuckey, D. S., M.B., B.S.

Newborn, Care of

Lecturers

Winning, Kathleen M., M.B., Ch.M.

Stening, S. E. L., D.S.C., M.B., B.S.

Isbister, Clair., M.B., B.S., D.C.H. Lond.

Bellmaine, S. P., M.B., B.S.

Obstetrics

Mayes, B. T., M.V.O., M.B., B.S., F.R.C.S., F.R.A.C.S., F.R.C.O.G. Prof.

Lecturers

Maitland, D. G., M.B., B.S., B.Sc. D.R. Edin., (Radiol. in Obstet.).

Heseltine, Mary J., M.B., B.S. Melb. (Bacteriol. & Pathol. in Obstet.).
Gill, R. C., M.B., B.S.

Tutors
Richardson, K. S., M.B., B.S.
McCredie, H. A., M.B., Ch.M.
Howell, K. J., M.B., Ch.M.
Stevenson, R. B. C., M.B., Ch.M.
Hobson, A. F., O.B.E., M.B., B.S., F.R.C.S.
White, M. M., M.B., B.S., B.Ec.
Benson, Lois E., M.B., B.S., D.G.O.
Grant, A. M. B., M.B., B.S., L.M. Dub., F.R.C.S.
Moon, A. A., M.B.E., M.B., Ch.M., F.R.C.S.

Obstetrics, Clinical

Lecturers
Hughes, T. D., M.B., Ch.M., F.R.C.O.G.
Williams, H. B., M.B., Ch.M., F.R.C.O.G., F.R.A.C.S.
Murray, A. J., O.B.E., M.B., Ch.M., F.R.C.S., F.R.C.O.G.
Saunders, Ida B., M.B., Ch.M., F.R.C.O.G.

Ophthalmology

Blakemore, C. G. H., M.B., Ch.M., D.O.M.S. Lond., F.R.C.S. Ed., F.R.A.C.S.

Pathology

Magarey, F. R., M.D., B.S. Adel. Prof.
ten Seldam, R. E. J., Arts Ley. Reader
Cameron, D. A., M.D.S. (Dental Pathol.) Sr. Lectr.

Lecturers
Stehbens, W. E., M.B., B.S.
Reye, R. D. K., M.D., B.S.
Backhouse, T. C., M.B., B.S. Melb., D.P.H. Oxon., F.R.C.P., F.R.A.C.P. Hon. Lectr.

Preventive Medicine

Ford, E., O.B.E., M.D., B.S. Melb., D.P.H. Lond., D.T.M., F.R.A.C.P., F.R.San.I. Dean and Prof.
Murray, R. E., M.B., B.Sc., D.T.M., D.P.H. Sr. Lectr.

Honorary Lecturers
Cole, G. E., D.S.O., M.B., B.S., D.P.H. Melb.
Park, C. L., M.D., B.Ch., D.P.H. Melb.
Southwood, A. R., C.M.G., M.D., M.S. Adel., F.R.San.I., F.R.A.C.P.
Fryberg, A., M.B.E., M.B., B.S. Melb., D.P.H., D.T.M.
Henzell, L., M.D., B.S., D.P.H. Lond.
George, W. E., M.B., Ch.M., F.R.A.C.P.
Heydon, G. A. M., M.C., B.A., M.B., Ch.M. Syd., D.P.H., D.T.M. & H. Camb., F.R.A.C.P.
Sawers, W. C., D.S.O., M.B., B.S. Melb., D.P.H. Oxon., D.T.M. & H. Liv., F.R.A.C.P.
Fairley, Sir Neil Hamilton, K.B.E., Hon. LL.D., M.D., D.Sc. Melb., F.R.C.P. Lond. and Ed., F.R.S., F.R.A.C.P.
Archdall, M., M.D., Ch.M., F.R.A.C.P., F.R.A.C.S.

Psychiatry

Marsden, E. A., M.B., B.S. Lectr.

Surgery

Dew, H. R., Hon. Sc.D. Camb., M.B., B.S. Melb., F.R.C.S., Hon. F.R.C.S.Ed., F.A.C.S., F.R.A.C.S. Bosch Prof.
Bolliger, A., Ph.D. Basle (Exper. Sci.) Reader and Res. Dir. of Gordon Craig Urol. Res. Labs.
Flynn, M. R., B.A., M.D., Ch.M., B.Sc., F.R.A.C.S.

Surgery, Clinical

Lecturers

MacMahon, J. S., M.B., Ch.M., F.R.C.S., F.R.A.C.S.
Niesche, F. W., M.B., M.S. Melb., F.R.A.C.S.
Winston, C. E., M.B., Ch.M., F.R.A.C.S.
Coppleson, V. M., M.B., Ch.M., F.R.C.S., F.R.A.C.S.
Goulston, E. H., M.B., B.S., F.R.C.S.I., F.R.A.C.S.
Susman, M. P., M.B., Ch.M., F.R.C.S., F.R.A.C.S.
Nelson, T. Y., M.B., Ch.M., F.R A C S.
Maxwell, W. T. D., M.B., Ch M , F.R.A.C.S.
Wyndham, N. R., M.D , M S., F.R.C S., F.R A C.S

Tutors

Barling, E. V., M.B., B.S., F.R.C.S., F.R.A.C.S.
Hedberg, E. A., M.B., M.S., F.R.C.S.
Malcolm, R. J. W., M.B., Ch.M., F.R.C.S., F.R.A.C.S.
Spencer, S. L., M.B., B.S., F.R.C.S., F.R.A.C.S.
Kenny, P. J., M.B., M.S., F.R.C.S., F.R.A.C.S.
Loewenthal, J. I., M.S. Melb., M.B., B.S., F R.C.S.
Rawle, R. M., M.B., B.S., F.R.C.S.
Yeates, J. M., M.B., F.R.C.S., F.R.A.C.S.
Langley, E. F., M.B., B.S. Melb., F.R.C.S
Fagan, K. J. B., M.B., M.S , F.R.A.C.S.
Wilson, T. E., M.D., M.S., M.Sc. Melb., F.A.C.S., F.R.C.S., F.R.A.C.S.
Flynn, M. R., B.A., M.D., Ch.M., B.Sc., F.R.A.C.S.
Melville, R. P., M.B , B S., F.R.C.S.
Alexander, M S., O.B.E., M.B., M.S., F.R.A C.S.
Reddel, A. E. M., M.B., M.S.
Pullen, W. J , M.B., M.S., F.R.C.S., F.R.A.C.S.
Spence, J. W., M B., B.S., F.R.C.S.
Fleming, J. P., M.B., M.S., F.R.C.S., F.A.C.S., F.R A.C.S
Newton, N. C., M.B , M.S., F.R C.S., F.R.A.C S.
Fowler, N. A , M.B , B.S., F.R.C S., F.R A.C.S
Schreiber, M. S., M.B , B.S., F.R.C.S.
Goldie, J. E. D., M.B , B.S , F.R C.S.
Opie, R. C., M.B , B S
Coen, K , M.B , B S , F.R.C.S.
Cumberland, V. H., M.B., B.S.
Tomlinson, P A., O.B.E., M.B , M.S., F.R.A C S.
Gibson, C. J. H., M.B., B.S , F R.C.S.

Tropical Medicine

Baldwin, A. H., M.B , B.S., D.P.H. Melb., D.T.M. & H. Lond., F.R.A.C.P. Prof.

Special Lectureship

Slessor, K. (Aust. Literature).

Tutorial Classes

Wilson, J. L. J., B.A. N.Z. Dir.
Higgins, E. M., B.A. Melb. Asst. Dir.
9 Full-time Tutors and 46 Tutorial Class Lectrs.

ADMINISTRATIVE AND OTHER STAFF

Accountant: J. C. Bongers, F.A.S.A. Dep. Registrar: Margaret A. Telfer, B.A., Dip.Ed. Information Officer: A. A. Gamble. Asst. Registrars: J. D. Butchart, B.A. Melb., B.Ec. (on leave); H. G. McCredie, LL.B.; S. Weir-Wilson, B.Ec. (Asst. Registrar in charge of Examns.); D. R. V. Wood, B.Ec.

Asst. Accountant: C. A. McClenehan, B.Ec. Adviser to Men Students: S. B. Bateman, B.Ec. Adviser to Women Students. Agnes M. A. Scobie, B.A. Officer of Works: R. J. Brickhill, B.E., B.Ec., Dip.T.C.P. Sec. to Appts. Bd.: Isabel D. McKinney, B.A. Publications Officer: G. Preston, B.A. Archivist: D. S. Macmillan, M.A. Glas. Sec. to the Extension Bd.: H. J. Oliver, M.A. Housing Officer: Mrs. Doris Whalan.

COLLEGES WITHIN THE UNIVERSITY

ST. PAUL'S COLLEGE (Anglican), Newtown, Sydney. (*Telephone*: LA1447.) For men. Warden—Rev. F. R. Arnott, M.A. Oxon., Th.D. A.C.T. Sub-Warden—A. G. L. Shaw, M.A. Oxon. and Melb. 15 other Tutors.

ST. JOHN'S COLLEGE (R.C.), Camperdown, Sydney. (*Telephone*: LA1240.) For men. Rector—Very Rev. J. C. Thompson, M.A., Dip Ed. Oxon. Vice-Rector—Rev. W. J. Cantwell. 5 other Tutors.

ST. ANDREW'S COLLEGE (Presb.), Newtown, Sydney. (*Telephone*: LA1087.) For men. Principal—Rev J. McIntyre, M.A., D.Litt., B.D. Edin. Vice-Principal—Prof. R. N. Spann, M.A. Oxon. 2 Fellows and 14 Tutors.

WESLEY COLLEGE (Methodist), Newtown, Sydney. (*Telephone*: LA2024.) For men. Master—Rev. B. R. Wyllie, M.A., B.D. Melb. Vice-Master—L. C. Birch, D.Sc. Adel., B.Agr.Sc Melb. 9 Tutors

THE WOMEN'S COLLEGE (undenominational), Newtown, Sydney. (*Telephone*: LA1195.) Principal—Helen E. Archdale, LL.M. Lond., B.A. McG. 9 Tutors.

SANCTA SOPHIA COLLEGE (R.C. Women), Camperdown, Sydney. (*Telephone*: LA2467.) Principal—Rev. Mother Nita Macrae, B.A. Vice-Principal —Mother Helen Boydell. 8 Tutors.

GENERAL INFORMATION

Founded in 1850, the University of Sydney is the oldest Univ. in Australasia. Its development has been largely due to private benefactions. The Act of Incorporation provided for the appt. of a Senate of 16 Fellows (later increased to 26) and a statutory grant of £A5000. The first Provost and Vice-Provost (later entitled Chancellor and Vice-Chancellor) were elected the following yr., and the first 3 Profs. arrived in Sydney from the U.K. in 1852, the yr. of the Univ.'s inauguration in the Sydney Coll. bldgs. (now occupied by Sydney Grammar Sch.) in College Street. The first matriculation examn. was held in Oct. The Sydney Coll. bldgs. proved to be inadequate, and the State Govt. made a grant of 128 acres of land (later increased to 141½ acres) at Grose Farm on the w. boundaries of the city, with provision for sub-grants by the Senate for 4 Colls. and for subsidies towards the Coll. bldgs. and the salaries of their hds. The Univ. was transferred to this, its present site, in 1857. St. Paul's College (C. of E.) was estd. in 1854, St. John's (R.C.) in 1857, St. Andrew's (Presb.) in 1867, The Women's College (undenominational) in 1889, Wesley College (Methodist) in 1910 and Sancta Sophia College (R.C. Women) in 1929. All were built on Univ. land and subsidized on equal terms.

Most of the Univ. buildings have been provided from public funds. The Great Hall, a replica of Westminster Hall, London, was opened in 1859 and the main bldg. completed the following yr.

The Univ. was granted a Royal Charter in 1858. Women were not admitted to membership of the Univ. until 1881; they were given the same rights as

men 3 yrs. later. Up to 1890 all students except graduates in Arts were required to attend one year in Arts before entering upon special studies.

CONSTITUTION. The body politic and corporate of the Univ. of Sydney consists of a Senate constituted of 4 fellows apptd. by the Governor, 1 elected by the Leg. Council, 1 by the Leg. Assembly, 10 by the grads., 3 by the fellows, 1 the Vice-Chancellor of the time, 5 rep. of the teaching staff, 1 (a grad.) rep. of the undergrads. The Chancellor and Deputy-Chancellor are elected by the Senate from its own members. The Chancellor or, in his absence, the Deputy-Chancellor, presides at all meetings of the Senate ; if both are absent, a chairman is elected by the fellows. The entire management of the affairs, concerns and property of the Univ. is controlled by the Senate, which makes the by-laws and regulns. subject to approval of the Governor, who is the Visitor to the Univ. No religious test is administered to any person.

There is a Professorial Board to further and co-ordinate the work of the Facs. and Depts. and encourage scholarship and res. The Faculties are responsible for supervision of teaching and conduct of examns. The Prætorial Board may, on reference by the Vice-Chancellor, impose penalties for breach discipline or misconduct by students.

INCOME (1953), £A1,490,150 : State Govt. grants, 36 per cent. ; Commonwealth Govt. grants, 23 per cent. ; fees, 34 per cent. ; endowments, 2 per cent. ; other, 5 per cent.

FACULTIES AND DEANS. *Agriculture*, Prof. J. R. A. McMillan ; *Architecture*, Prof. H. I. Ashworth ; *Arts*, Prof. R. B. Farrell (German) ; *Dentistry*, Prof. A. J. Arnott ; *Economics*, Prof. S. J. Butlin ; *Engineering*, Prof. A. V. Stephens (Aeronautical Engin.) ; *Law*, Prof. K. O. Shatwell ; *Medicine*, Prof. E. Ford (Preventive Med.) ; *Science*, Prof. T. G. Room (Maths.) ; *Vet. Science*, Prof. R. M. C. Gunn.

THE FISHER LIBRARY. Expenditure £A15,635 ; 349,931 vols. including a collection of early Hebrew and Latin MSS., some of them beautifully illuminated, a number of incunabula, and a collection of Elizabethan translations of Greek and Latin classics, some of them the first in English. MUSEUMS : Nicholson collection of Prehistoric, Egyptian, Nr. Eastern, Cypriot, Greek and Roman Antiq. ; Macleay Nat. Hist. ; Wilson Anat. and Anthrop. ; Pathol., Obstetric, Mat. Med. LABORATORIES : Schools of Med., Engin. and Archit. (atelier), Bot., Chem., Geol., Phys., Zool., Vet. Sci., Agric. FIELD STATIONS : Crommelin Biological Stn., Pearl Beach, via Woy Woy (biological res. on central coast of N.S.W.). Castle Hill Res. Stn. (metropolitan area), Waterhouse Plant Breeding Stn., Curlewis (nr. Gunnedah, N.E., N.S.W.) and Tichborne Plant Breeding Stn. (nr. Parkes, Central W., N.S.W.) for cereal, flax and linseed investigations designed to produce improved varieties. McGarvie Smith Animal Husbandry Farm, nr. St. Mary's, N.S.W. (400 acres). Camden farms (Camden district, N.S.W.) for teaching of Animal Husbandry. HOSPITALS—recognized clin. schools : Royal Prince Alfred, Sydney, St. Vincent's and The Royal North Shore ; Royal Hospital for Women and Women's Hospl., Crown St., King George V. Memorial Hospl. for Mothers and Babies (Obstet. and Gynæcol.) ; Royal Alexandra Hospl. for Children (Pædiatrics); a number of others are recognized for special postgrad. trng.

The grounds, which include the sites of the Colleges grouped round an oval, cover about 140 acres.

The LAW SCHOOL (Univ. dept.) is located at 167 Phillip St., Sydney (*Telephone* : BW5944), and the DENTAL HOSPITAL OF SYDNEY (Univ. dept. of Dent.) at 2 Chalmers St., Sydney (*Telephone* : MA6964).

In the Univ. grounds is the TEACHERS' COLLEGE, a branch of the State Dept. of Educn. The courses leading to the Univ. postgrad. Dipl. in Educn. (Dip.Ed.) are arranged through co-operation between the staffs of the Univ. and the Coll. THE COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION: The National Standards Lab., situated in the Univ. grounds, was completed in 1940. Close collaboration in res. activities exists between many Univ. depts. and relevant divisions of the C.S.I.R.O. This applies particularly in Agric., Biochem., Bot., Zool., Vet. Physiol., Electr. Engin. and Chem. Engin. The McMaster Animal Health Lab., Div. of Animal Health and Production, C.S.I.R.O., which adjoins the Vet. Sch., was opened in 1931. Facilities are available for res. in Parasitol., Bacteriol. and Biochem. The McMaster Field Station attached to the same div. was opened in 1938. The station (800 acres) adjoins the Univ. McGarvie Smith Animal Husbandry Farm (*see above*). It is equipped primarily for investigations in Genetics and reproductive Physiol. in sheep and cattle under field conditions.

ADMISSION. *See* Appendix I. It should be noted that admission to the Fac. of Medicine at the present time is restricted to residents of N.S.W. because of shortages in staff and accomm., but the situation is reviewed at the end of each yr.

NON-MEMBERS OF THE UNIVERSITY. Any person may attend lectures without matricn. upon payment of such fees as the Senate may from time to time direct, provided that he has the approval of the Fac. concerned before commencing attendance at lectures.

PUBLIC EXAMINATIONS. *See* Appendix I.

SCHOOL OF PUBLIC HEALTH AND TROPICAL MEDICINE. The School acts as the teaching and examn. centre for the Univ.'s Dipls. of Public Health and of Trop. Med. and Hyg. In addition, a course in Preventive and Social Med. is given for undergrad. students. Courses are also given in Architectural Hyg., Soc. Hyg., Trop. Hyg. and Industrial Nursing. The School is financed by the Commonwealth Health Dept., but all teaching is directly controlled by the Univ. and the Fac. of Med., together with all matters concerning diplomas, syllabuses, fees, examns., etc. An Advisory Council, of representatives of the Univ. of Sydney and the Commonwealth Dept. of Health, deals with all matters of policy. The staff consists of a Director (also Prof. of Preventive Med.), a Professor of Tropical Medicine, 11 Med. Officers, and a number of visiting Lectrs.; 4 Entomologists, 4 Parasitologists and 11 technical officers. The D.P.H. entry requirements are those of the General Medical Council of Gt. Britain, the D.T.M. & H. courses correspond to similar courses at the London School of Hygiene and the Liverpool School of Trop. Medicine. The main divisions of the School are those of Pub. Health and Preventive Med., Tropical Med. and Hygiene, Indust. Hygiene, Bacteriol. and Pathol., Parasitol. and Protozool., Med. Entomol., Vital Statistics and Child Welfare. Library of about 15,000 vols., dealing espec. in Trop. Med. and Hyg., is available. Facilities are provided for research students.

DEGREE COURSES. 1 yr. (after completing 3 yrs. in Med.)—B.Sc. (Med.) Pass, Hons.; 3 yrs.—B.A. Pass (4th yr. for Hons.), B.Sc. Pass (4th yr. for Hons.); 4 yrs.—B.Sc.For. Pass (no Hons.), B.Sc.Agr. (5th yr. for Hons.), B.Ec. Pass, Hons.; LL.B. Pass, Hons., B.D.S. Pass, Hons., B.E. Pass, Hons. (Civil Engin., Mining Engin., Electr. Engin., Chem. Engin. or Aeronaut. Engin.), B.E. Pass (5th yr. for Hons.) (Mech. Engin.); 5 yrs.—B.V.Sc. Pass, Hons., B.Arch. Pass, Hons.; 6 yrs.—M.B., B.S. Pass, Hons.; 2 yrs.' advanced study or research (for persons aged 21 yrs. or upwards whose general educn

and sp. qualifn. for advanced study and res. have been approved by Fac. concerned)—B.A. or B.Sc. The LL.B. qualifies conditionally for admission to the Bar. Law students may take the B.A. first, selecting Law subjects in 3rd yr., and complete combined course in 6 yrs., thereby gaining concessions in regard to periods of studentship and service as articled clerk. B.D. Pass, Hons. degree is obtainable in 2 yrs. after graduation in another Fac.

In general, candidates for Hons. are required to do extra work except in the Facs. of Law, Medicine, Dent., Vet. Sci. and Archit., in which Hons. are awarded on the Pass work of the whole course.

There are Honours Schools in the following subjects: *B.A.*—(a) [ordinary Hons. degree] Gk., Lat., Classics, Engl., Fr., German, Ital., Hist., Philos., Govt., Psychol., Educn., Econ., Anthropol., Maths., Geog., Music, and Archaeol.; (b) [in Sch. of Social Sciences] Hist., Philos., Moral and Polit. Philos., Govt., Psychol., Econ. and Anthropol. *B.Sc. (Med.)*—Anat., Biochem., Physiol., Bacteriol., Pathol., and Pharmacol. *B.Sc.*—Chem., Inorg. Chem., Organic Chem., Phys. Chem., Phys., Geol., Geog., Bot., Zool., Physiol., Biochem., Anat., Maths., Agric. Chem., Pharmaceut. Sci. and Analysis of Foods and Drugs, General Bacteriol., Phys. Anthropol., and Pharmacol. *B.Sc.Agr.*—Agric. Bot., Agric. Chem., Agric. Econ., Agric. Entomol., Agric. Microbiol., Agron., Agrostol., Animal Husbandry, Genetics and Plant Breeding, Plant Pathol. and Stat. Methods. *B.Ec.*—Econ., Econ. Hist., Govt., and Stats.

HIGHER DEGREES. Master's degree: Arts (M.A.), Educn. (M.Ed.), Law (LL.M.), Econ. (M.Ec.), Surg. (M.S.), Sci. (M.Sc.), Dental Surg. (M.D.S.), Engin. (M.E., M.Eng.Sc.), Agric. (M.Sc.Agr.). Arch. (M.Arch.). Doctorates: Letters (D.Litt.), Divinity (D.D.), Law (LL.D.), Med. (M.D.), Sci. (D.Sc.), Engin. (D.Sc.Eng.), Dent. Sci. (D.D.Sc.), Vet. Sci. (D.V.Sc.), Agric. (D.Sc.Agr.), Ph.D. (*see below*, "Postgraduate Study").

DIPLOMAS. *Postgraduate*: Educn. (Dip.Ed.), by examn., open to grads. in Arts, Sci., Engin., Econ. or Agric., 1 yr.; medical, by examn. after completing prescribed course, open to qualified med. practitioners registrable by General Med. Council of Gt. Britain—Anæsthesia (D.A.), 6 mos.; C. Pathol. (D.C.P.), 8 mos.; Dermatological Med. (D.D.M.), 9 mos.; Gynæcol. and Obstet. (D.G.O.), 6 mos.; Laryngol. and Otorhinol. (D.L.O.), 6 mos.; Ophthalmol. (D.O.), 6 mos.; Psychol. Med. (D.P.M.), 1 yr.; Pub. Health (D.P.H.), 10 mos.; Diagnostic Radiol. (D.D.R.), 1 yr.; Therapeutic Radiol. (D.T.R.), 1 yr.; Trop. Med. and Hyg. (D.T.M. & H.), 6 mos. *Not restricted to graduates*: Anthropol. (Dip.Anth.), grads., by thesis within 3 yrs., non-grads., by examn. and thesis within 5 yrs.; Pharmaceutical Sci. (Dip.Pharm.), by examn., open to Pharm. students who are registered pharmacists, 3 yrs.; Soc. Studies (Dip.Soc.Stud.), by examn., 2 yrs. (grads. or undergrads. in Arts or Econ. or holders of any Syd. Univ. dipl. may be granted status within course); Town and Country Planning (Dip.T.C.P.), 3 yrs. Where applicable all dipls. are open to grads. of any approved Univ.

POSTGRADUATE STUDY AND RESEARCH FACILITIES. The Univ. offers postgrad. courses for the Dipl. in Educn. and, through the Postgrad Cttee. in Med., courses in those med. fields specified above under the heading "Diplomas—Postgraduate." The usual facilities for postgrad. res. are provided in the various depts., and candidates may proceed to the Master's degree in most facs. and to the Ph.D. in the Facs. of Sci., Engin., Dent., Vet. Sci., Agric. and Archit. after completing at least 2 yrs.' supervised res. The Univ. publishes annually a statement entitled *Research and Scholarship* which sets out particulars of the res. completed and in progress in the different depts.

RECOGNITION OF STUDIES ELSEWHERE. The Professorial Bd. grants proper status to persons who have completed part or all of a degree course in other Univs.

STUDY LEAVE. 1 yr. on salary after completion of 6 yrs.' service for full-time permanent members of teaching staff; leave is not accumulative. Addnl. leave may be granted without salary. Leave may be granted with salary at the equivalent rate of 1 term for each 2 yrs. of service, *e.g.* after 6 yrs. since the last period of leave with salary, a term's leave with salary may be granted and leave entitlement retained for the remaining 4 yrs. of service.

FEES. *Matricn.*: £3; *Degree*: B.A., B.Sc., B.Sc. (Med.), B.Sc.For., B.Sc.Agr. and B.Ec., £3; B.D., B.V.Sc., M.A., M.Sc., M.Sc.Agr. and M.Ec., £5; M.Ed., LL.B., LL.M., M.B., B.S., B.E., B.D.S., M.D.S., M.E., M.Sc.Eng., M.Arch. and B.Arch., £10; Doctor in any Fac., £20. *Degree courses*: in Arts (Pass, 3 yrs.), £260; (Hons. in one Sch., 4 yrs.), £276; (Hons. in two Schs., 4 yrs.), £327; in Divinity, 3 yrs., £181; in Law, 4 yrs., £382 (Arts subjects additional); in Law, 5 yrs., £394 (Arts subjects additional); in Med., 6 yrs., £700 (excluding hosp. attendance, £20, and Practical Midwifery, £23); in Science (Pass, 3 yrs.), £332; (Hons., 4 yrs.), £393; in Engin., 4 yrs. (Civil, Mech. and Elect and Aeronautical), £523; (Chem. and Mining), £568; in Dent., 4 yrs., £508 (excluding Dental Hospl., £15 p.a.); in Vet. Sci., 5 yrs., £456 (excluding residence at Univ. Farm, £15); in Agric. (Pass, 4 yrs.), £407; (Hons., 5 yrs.), £468; in Econ., 4 yrs. (Day students), £345, and 6 yrs. (Evening students), £367; in Archit., 5 yrs., £620.

ACADEMIC YEAR. March to Nov.; 3 terms of 9 weeks each.

PRINCIPAL OPEN AWARDS. (*For Candidates at N.S.W. Leaving Certificate Examn.*) *Scholarships*—Commonwealth Govt. awards scholps. tenable for normal period for first degree to all Australian Univs. (846 awarded to Sydney Univ. for 1954); James Aitken (2), £50 for 1 yr. in any fac.; Bowman-Cameron, £50 p.a. for 3 yrs. in Arts; Martin McIlrath (2 Vet. Sci., 2 Agric., preference to ex-Servicemen or their sons), £75 each for 1 yr.; Queen Victoria (for female needing financial assistance), £20 p.a. for 3 yrs. in any fac.; Robert Campbell (preference to necessitous child of member of A.I.F., 1914–18), £50 p.a. for 2 yrs. in any fac.; Barker No. III, £50, and Horner Exhibition, £10, for 1st yr. course in Maths. in Arts, Sci. or Engin.; Liversidge (2), £37 : 10s. each for 1st-yr. course in Chem.; (L.C. and special paper)—Cooper No. II, £50 for 1st-yr. courses in Latin and Greek; Garton No. III, £42 : 10s. for 1st-yr. course in French; Lithgow No. 1, £35 for 1st-yr. course in German; Plumian Scholp., £70 for 1 yr. in Sci.; Gowrie Scholps. (4 for members of Forces on active service, 1939–45 war, their children or grandchildren), £75 p.a. for normal period of course. Bursaries (40) awarded under Bursary Endowment Act, 1912, to Commonwealth Scholars (for students living at home), £35 p.a. (for students living away from home), £75 p.a., with allowance for text-books not exceeding £7 : 10s. p.a. in each case, tenable for normal period of course, subject to financial circumstances; a limited number of privately endowed bursaries for promising but necessitous students, £25–£50 p.a., with remission of lecture fees awarded annually and tenable for 4 yrs. Univ. grants remission of half lecture fees for students sponsored by Soldiers' Children Educn. Bd. (N.S.W. Repatriation Dept.) and Bd. pays all other fees. Sydney Legacy War Orphans' Fund covers all fees for students sponsored by Legacy Club of Sydney.

SCHOLARSHIPS, ETC., FOR GRADUATES. A. E. and F. A. Q. Stephens Post-graduate Res. Fellowship, annual value, £A750, tenable by a graduate of any

univ. except the Univ. of Syd. for 1 yr. (but may be renewed for a second yr.) for postgrad. work within the Univ. of Syd. in any fac. (*see also* Appendix III, p. 1750). Demrs. apptd. annually in scientific depts. with obligation to carry out res. under direction of the Prof.

A PUBLIC RELATIONS AND INFORMATION OFFICE was set up in 1952.

APPOINTMENTS BOARD. (*Telephone*: MW1720.) Assists undergrads. and grads. to secure appts. and helps Engin. students to get places in approved works for the prescribed practical experience. The Bd. also collaborates with the Extension Bd. in arranging lectures on Business Management.

GRADUATES ASSOCIATIONS. Chemical Soc., Geological Assoc., Engin. Club, Dental Alumni Soc., Sydney Assoc. of Univ. Teachers, Sydney Univ. Women Graduates' Assoc., Univ. Club (for men), Newman Assoc. of Catholic Graduates, the Kabeiroi of the Univ. (dining club for male graduates and undergraduates), Soc. for Exper. Biol., Sydney Univ. Agric. Graduates' Assoc., Arts Assoc. (for graduates and other interested persons), Economics Graduates' Assoc., Chem. Engin. Assoc.

RESIDENCE. The six Colls. within the Univ. (v. *supra*) provide accomm. for the number of students specified: St. Paul's Coll., 120, fees £A195 p.a.; St. John's Coll., 84, fees £A176 p.a.; St. Andrew's Coll., 149, fees £A208 p.a.; Wesley Coll., 124, fees £A192 p.a.; The Women's Coll., 96, fees £A180 p.a.; Sancta Sophia Coll., 57, fees £A172 p.a. Students need not reside in one of the colls.

STAFF RESIDENCES. There are no residences controlled by the Univ. for members of teaching staff. The Univ. has, however, recently arranged with its Bankers for larger advances than are normally granted on mortgage to be made to permanent members of teaching and sr. admin. staffs for purchase of houses. The Univ. guarantees 25 per cent. of purchase price of houses bought under this scheme.

ADULT EDUCATION. University Extension Lectures arranged by the Extension Board are given in courses of from 3 upwards. *Tutorial Classes* are provided, as prescribed by the Act of 1912, under the superintendence of a Joint Committee of the Univ. and Workers' Educnl. Assocn. of N.S.W.

VACATION COURSES. (*a*) Dept. of Tutorial Classes: In conjunction with the W.E.A., residential week-end courses are arranged throughout the yr. and ten days' courses are held in Dec./Jan. for class students and the general public at the W.E.A. School at Newport (nr. Sydney). Short residential courses are occasionally conducted for sp. groups at the Women's Coll. (*b*) Sch. of Pub. Health and Trop. Med.: Vacation courses vary according to demand, *e.g.* in 1954, a course in Indust. Hyg. for med. practitioners was provided, one for sch. med. officers and one on mosquito control for health personnel. Another course of 27 lectures in Trop. Med. and Hyg. for missionaries, planters, nurses, etc., is held annually during term.

UNIVERSITY MILITARY AND AIR FORMATIONS. The Sydney University Regiment is organized as an infantry battalion of the Citizen Military Forces and regarded as an officer-training unit. Training is carried out at a three wks.' camp during Long Vacation and at home trng. parades at Regimental H.Q. during the yr. C.O.: Lt.-Col. F. A. Mackell, M.C., B.Ec. H.Q.: S.U.R. Training Depot, Univ. (*Telephone*: MW3034.) The Sydney University Squadron, establd. 1950, is made up of 6 specialist flights: Medical, Technical, Works, Radio and Equipment/Accounting. The aim of the Squadron is to create a reserve of specialists who can apply their particular professional knowledge to

the R.A.A.F. C.O.: S/Ldr. C. W. Brackenridge. H.Q.: Dymock's Bldg., 428 George St., Sydney. (*Telephone*: MA6041.)

STUDENT ATHLETIC FACILITIES. For men there are 3 ovals and 10 tennis courts, and facilities for basket-ball and rifle shooting. There are 20 men's sporting clubs. For women an oval is provided as well as 3 tennis courts and 3 basket-ball courts. There are 11 women's sporting clubs.

STUDENTS' UNIONS. Sydney Univ. Union (for men), founded in 1874, and the Women's Union, founded in 1914. Main facilities are: dining-rooms, reading-rooms and common-rooms; the men's Union provides private as well as public dining-rooms, billiards-room, hall, library, mercery department and savings bank agency. The Unions are an integral part of the Univ. Subscription, £1 a yr., compulsory for all matriculated students. Men's Union: Sec., T. Williams, B.Ec. Women's Union: Sec., Beth Chalmers, Dip.Soc.Stud.

PUBLICATIONS. *Calendar*, with annual report, 7s. 6d.; *Handbooks* of the Facs. of Arts (annually), 3s. 6d., Dent. (biennially), 2s. 6d., Econ. (biennially), 2s. 6d., and to the Nicholson Museum of Antiquities, 18s.; *Prospectuses* of the Dept. of Soc. Studies and Sch. of Divinity (annually); Annual Examn. Papers in sets, 6d.; *The Gazette* (quarterly); reprints of papers contributed to periodicals by staff members; *Current Affairs Bulletin* (ed. by Dept. of Tutorial Classes), 6d. a copy or annual sub. 12s. 6d. for 26 copies; *The University of Sydney, A Description*, 5s.; *The Union Recorder* (weekly during term); *The Union Book of* 1952 (commemorating the Centenary of the Univ.), £1 : 1s. *The University of Sydney Centenary Celebrations* 1952, 15s.; H. E. Barff, *A Short Historical Account of The University of Sydney* (o.p. but some copies available at Univ.).

THE YEAR 1953

PRINCIPAL BENEFACTIONS. Estate of late Dr. N. Haire, £7500, for study of Sexol.; Watson Munro Res. Fund, £19,909, for medical res.; estate of late G. C. Henderson, £7948, for res. into hist. of South Pacific Islands; Amy Laura Bonamy Scholp. Fund, £4345, for res. in Pathol. and Bacteriol.; estate of late H. Johnson, £1703, for travelling scholps. for necessitous but distinguished students; M. McIlrath, £1500 p.a. for scholps. in Vet. Sci. and Agric.; Flour Millers' Assocn. of N.S.W., £8350, towards purchase of Agric. Res. Stn. at Castle Hill, N.S.W.; I.C.I.A.N.Z., Ltd., £1200 p.a. for res. fellowships in Chem. and other depts.; Australian Gas Light Co., £1000 p.a. for senior res. fellowship in Geol.; estate of late Lady Anderson, £2000 for memorial fountain to late Prof. Sir Francis Anderson; Mrs. M. Reid, £2000, for Dept. of Vet. Sci.; Commercial Banking Co. of Sydney, Ltd., £2000 to assist in the estab. of farms in Camden district (N.S.W.) for teaching Animal Husbandry; Nicholas Pty., Ltd., £1000, for res. fellowship in Pharmacol.; for Nuclear Res., Dept. of Physics: Consolidated Press, Ltd., £2000, G. B. S. Falkiner, £2000, Colonial Sugar Refining Co., Ltd., £1000 for 3 yrs., Australian Gas Light Co., £2000, Monsanto Chemicals (Australia), Ltd., £2000, Commercial Banking Co. of Sydney Ltd., £1000, Mount Morgan Ltd., £2000, Ampol Petroleum, Ltd., £2000, Chamber of Manufacturers of N.S.W., £2000 p.a.

NEW DEPARTMENTS AND POSTS. Dir. of Courses in 1st and 2nd yr. Phys.; Readerships in Educn. and Law; Sr. Lectureships in Accountancy, Chem. Engin. and Prev. Med.

PRINCIPAL CHANGES IN REGULATIONS. Bd. of Studies in Fac. of Sci. establd.; prescribed 3rd-yr. subjs. in Fac. of Sci. altered; degrees of Master of Engin. Sci. and Master of Archit. introduced; Res. Cttee. and Ph.D. Cttee.

substituted for Cttee. of Grad. Studies and Res.; matricn. requirements for students from the R.A.A.F. Coll. and the Royal Australian Naval Coll. altered.

ADULT EDUCATION. *Univ. Extension.* Courses: Scientific German, Russian, Bus. Management, Valuation of Real Estate, Real Estate Practice, Psychol. Theory, Social Case Work (refresher course). Lectures (sp.): Accountancy Res., Irish National Assocn. of Australasia and George Arnold Wood Memorial; series of lectures, 2 in city and suburbs, 5 free public, 8 at city and suburban schs., 57 in 24 country towns. Lectrs. (Extension Bd. panel), 54; (for courses), 38. *Tutorial Classes* (in metropolitan area and country districts), 129 (enrolment 3177); discussion groups, 135 (enrolment, 2250); kit groups, 72 (enrolment, 976). No. of centres, 336. Expenditure, £36,758 for tutorial classes only.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Dr. F. C. Phillips, Brist., on Petrofabric Analysis. Fulbright Lectrs.: Emer. Prof. A. J. Eames, Corn., on Plant Anat. and Morphol.; Prof. C. O. Johnson, State Coll. of Wash., on American Govt.; Miss Georgia Travis, Colorado, on Soc. Case Work.

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITY. Dr. H. I. Hogbin, to Birm., to deliver 1953–54 Sir Josiah Mason Lectures.

RETIREMENT. L. D. Woodward (French).

RESIGNATIONS. F. R. Whatley (Biochem.), apptd. Plant Physiologist Experimental Stn., Coll. of Agric., Calif. U. (Berkeley Campus); G. H. Russell (Engl.), apptd. Prof. Engl. Lang. and Lit., Q'ld. U.; R. E. Smith (Lat.), apptd. Prof. Anc. Hist., Manc. U.; J. J. Wellmuth (Philos.) apptd. Res. Fellow under Ford Foundation, Inst. Philos. Res., Calif.; P. L. Adams (Mining E.), apptd. Supervisor of Mines, Aberdare Collieries Pty., Ltd.; S. Sheldon (Med. Jurisprud.); J. A. F. Flynn (Ophthalmol.).

DEATHS. H. Rutledge (Geol.); H. H. Thorne (Maths.); F. Whitehouse (Vet. Sci.); P. R. Watts (Law); N. C. Cunningham (Care of Newborn).

HONORARY DEGREE. *LL.D.*—H.E. Field-Marshall Sir W. J. Slim, Governor-General of Australia.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	3896	1389
Women	1264	423
Total	5160	1812

Postgraduate students, 260.

New admissions, 1627.

Students from other countries, 308 (countries from which largest numbers came: Federation of Malaya, and Singapore, 174; New Zealand, 40; China and Hong Kong, 25; India and Nepal, 13; Fiji, 13; Indonesia, 9; Philippines, 7; Thailand, 6; Pakistan, 6; U.S.A., 5.)

DEGREES. *Agric.*: M.Sc.Agr., 1; B.Sc.Agr., 29; *Archit.*: B.Arch., 41; *Arts*: M.A., 15; B.A., 356; *Dent.*: D.D.Sc., 1; M.D.S., 3; B.D.S., 104; *Econ.*: M.Ec., 2; B.Ec., 67; *Engin.*: M.E., 2; B.E., 123; Ph.D., 1; *Law*: LL.D., 1; LL.M., 1; LL.B., 75; *Medicine*: M.D., 4; M.S., 3; M.B., 306; B.S., 304; Ch.M., 2; B.Sc. (Med.), 12; *Sci.*: D.Sc., 1; M.Sc., 35; B.Sc.,

118; Ph.D., 4; B.Sc.For., 10; *Vet. Sci.*: D.V.Sc., 1; B.V.Sc., 37; *Div.*: B.D., 1; *Educn.*: M.Ed., 4. *Total number of first degrees awarded*, 1584.

DIPLOMAS. Dip.T.C.P., 10; Dip.Anth., 1; Dip.Ed., 129; D.A., 2; D.C.P., 2; D.D.M., 1; D.D.R., 4; D.L.O., 1; D.O., 1; D.P.M., 2; D.P.H., 4; D.T.R., 1; D.T.M. and H., 14; Dip.Soc.Stud., 26.

OTHER DEVELOPMENTS. In December 1953 Act of N.S.W. Parliament passed to provide for replacement of New England Univ. Coll. (a Coll. of Univ. of Sydney) by an autonomous Univ. of New England. The Act came into force on Feb. 1., 1954. Nuclear Res. Foundation estabd. with object of advising Senate on matters associated with nuclear res. in Sch. of Phys. Foundation consists of not more than 50 members and is controlled by Council of between 10 and 15 Governors.

[*Information compiled as at* 16/6/54 ;
Staff list revised on 8/9/54.]

UNIVERSITY OF TASMANIA*

Founded 1890

Postal Address: Box 647 c G.P.O., Hobart, Tasmania, Australia.
Telegraphic Address: University, Hobart.
Telephone: Hobart B7266.

VISITOR — H.E. The Rt. Hon. Sir RONALD HIBBERT CROSS, Governor of Tasmania.

CHANCELLOR—The Hon. Sir JOHN DEMETRIUS MORRIS, K.C.M.G., M.A., LL.B. Melb.

VICE-CHANCELLOR—Professor T. HYTTEN, C.M.G., M.A.

REGISTRAR—A. S. PRESHAW, B.A. W.Aust., F.C.I.S.

LIBRARIAN—D. H. BORCHARDT, M.A. N.Z.

TEACHING STAFF

Accountancy, v. Comm.

Botany

Barber, H. N., M.A. Camb., Ph.D. Lond. Prof.
Curtis, Winifred M., M.Sc., Ph.D. Lond., F.L.S. Sr. Lectr.
Paton, D. M., B.Sc. Lectr.
1 Demr.

Chemistry

Kurth, E. E., D.Sc. Prof.

Senior Lecturers

Polya, J. B., Dipl. Ing. Chem., D.Sc. Tech. Zür., D.Sc., F.R.I.C.
Kelly, F. H. C., M.Sc. Melb.
Allen, J. A., M.Sc. Q'ld., Ph.D. Brist.
Smythe, L. E., M.Sc. Syd., Ph.D.
Bick, I. R. C., B.A., M.Sc. Q'ld., Ph.D. Camb.
4 Demrs., 1 Lab. Offr.

Classics

Elliott, J. R., B.A. Syd., M.A., Dip.Class.Arch. Camb. Prof.
Waters, K. H., M.A. Camb. Sr. Lectr.
Bethell, L. S., B.A. Oxon. Pt.-time Lectr.

Commerce

Firth, G. G., B.Sc. (Econ.) Lond. Prof.
Dallas, K. M., B.Com. Sr. Lectr.

Lecturers

Lithgow, G., M.A. Glas., B.A. Oxon.
Hagger, A. J., B.Com. Melb., Ph.D. Lond.

Part-time Lecturers

Nettlefold, R. R., LL.B.
Bingham, M. E., LL.B.
Cox, L. N. P., B.Com.
Nichols, W. E., B.Com.
Kearney, D. A., LL.B.
Von Bertouch, R. V., B.Com.
Dunn, L. J., B.Com.

Education

Hardie, C. D., M.A. Camb. Prof.

* Member of the Association of Universities of the British Commonwealth.

Senior Lecturers
Hills, W., B.A.
Doe, T. E., B.Sc.
Collins, T. G., B.Sc., Dip.Ed.
Perkins, W. H., B.A., Dip.Ed.
Chappell, F. R., M.A. Camb., Dip.Ed. Lond.

Lecturers
Wilmot, Mrs. Charlotte M., B.A., Dip.Ed., Dip.Phys.Ed. Syd.
Horsfall, Margaret L. O., B.A., Dip.Ed. W.Aust., F.R.S.A.

Engineering
Burn, A., B.E. Syd , LL.D. Lond., M.Sc. Prof.
Tuck, H. P., M.E., B.Sc. Adel. Assoc. Prof.

Senior Lecturers
Burrell, G. J., B.E. (Mech.) N.Z.
Newstead, G. H., M.E.E. Melb.
Oliver, A. R., M.E. Adel.
Szomanski, E., M.Sc. Warsaw.
Trott, S. M., B.Sc.

Lecturers
Brownell, C. D., B.E.
Kerrison, G. N., B.E.E. Melb.
.....
Lilley, E. M., B.A. Oxon., B.Sc. (Pt.-time).
1 Demr., 4 Mechanics.

English Language and Literature
Taylor, A. B., M.A. Oxon. Prof.
Harwood, F. W., M.A. Melb Sr. Lectr.
Stokes, E., M.A. Syd. Lectr.

Geography
Scott, P., M.Sc. (Econ.) Lond. Sr. Lectr.
Davies, J. L., M.A. Wales Lectr.

Geology
Carey, S. W., D.Sc. Syd. Prof.
Banks, M. R., B.Sc. Syd. Sr. Lectr.
Spry, A. H., M.Sc. Adel. Lectr.
Hale, G. E. A., B.Sc. Pt.-time Lectr.
1 Demr.

History
King, C. S., M.C., M.A. Oxon., B.A. Prof.
Wilson, G. T. J., M.A. Camb. and N.Z. Sr. Lectr.
Townsley, W. A., B.A. Birm., M.A., Dip.Ed. Lond. Sr. Lectr.
McRae, M. D., B.A. Lectr.

Law
Baker, R. W., B.C.L., B.Litt. Oxon., LL.B. Prof.
Roulston, R. P., LL.B. Syd., LL.M. Sr. Lectr.

Lecturers
Bentham, R. W., B.A., LL.B. Dub.
.....
Solomon, H. J., B.A., LL.B. (Pt.-time).

Mathematics
Pitman, E. J. G., M.A., B.Sc. Melb. Prof.
Löwig, H. F. J., D.Nat.Sc. Prague, D.Sc. Sr. Lectr.
Urquhart, M. L., B.Sc. Sr. Lectr.
Sprent, P., B.Sc. Lectr.
Moppert, C. F., Ph.D. Basle Lectr.

Modern Languages
Triebel, L. A., M.A. Lond., D.Litt. Prof.
Batt, Jean C., B.A. Sr. Lectr.
Wolff, Erica, M.A., Ph.D. Melb. Lectr.

Philosophy
Orr, S. S., M.A. Belf. Prof.
Milanov, K., Ph.D. Berl Lectr.

Physics
McAulay, A. L., M.A. Camb., Ph.D. Manc., B.Sc., F.I.P. Prof.
Cruickshank, F. D., D.Sc. Assoc. Prof.

Senior Lecturers
Fenton, A. G., Ph.D. Birm., B.Sc.
Buchdahl, H. A., B.Sc. Lond., D Sc.

Lecturers
Scott, B. I. H., B.Sc.
Harvey, G. C., B.Sc.
5 Techns.

Psychology
Cardno, J. A., M.A. Aberd. and Camb. Assoc. Prof.
Miller, K. M., B.A. Melb. Lectr.

Zoology [Ralston Prof.
Hickman, V. V., B.A., D.Sc.
Guiler, E. R., B.Sc. Belf., PhD. Sr. Lectr.
1 Demr.

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICE. Accountant: G. B. Harrison, F.A.S.A. Asst. Registrar: D. A. Kearney, LL.B. Asst. Accountant: W. E. Nicholls, B.Com. Sr. Clerk: Linda E. Weidenhofer.

LIBRARY. Deputy Librarian: Mary J. Meston, B.A.

PHOTOGRAPHIC DEPT. TECHN.: T. S. McMahon.

AFFILIATED RESIDENTIAL COLLEGES

CHRIST COLLEGE, Park St., Hobart. (*Telephone*: Hobart 4580.) Warden—Ven. Archdeacon L. S. Dudley, B.A., Dip.Ed. For University and Theological students only, fees £A140 p.a. Accommodation, 36.

JANE FRANKLIN HALL, 308 Davey St., Hobart. (*Telephone*: Hobart 5728.) Principal—Ruth Morison, B.A. For women, fees £A111 p.a. Accommodation, 21.

AFFILIATED SCHOOLS

MT. LYELL SCHOOL OF MINES AND INDUSTRIES, Sticht St., Queenstown. (*Telephone*: Queenstown 36.) Registrar—E. T. Smith, B.Sc.

HOBART TECHNICAL COLLEGE, Bathurst St., Hobart. (*Telephone*: Hobart B3005.) Principal—A. E. H. Griffits, B.Sc.(Eng.).

LAUNCESTON TECHNICAL COLLEGE, Wellington St., Launceston. (*Telephone*: Launceston 887.) Principal—W. G. Speers, B.Sc.

GENERAL INFORMATION

Founded in 1890 under an Act of the Tasmanian Legislature, the Univ. was granted a Royal Charter in 1915. To the original Facs.—Arts, Science and Law—Commerce was added in 1919, Engineering in 1922 and Education in 1951. Music (included under the Faculty of Arts) was taught from 1935 to 1938 but the Lectureship has lapsed.

CONSTITUTION. The University consists of a Council and Senate. The Council, which has the management and control of the affairs and property of the Univ., consists of 21 to 23 members, 6 of whom are elected by the Senate, 2 by the teaching staff, 8 by members of Parliament, and 2 by the Governor on the recommendation of the Council; the Minister and Dir. of Education and the Chairman of the Professorial Bd. are *ex officio* members. The offices of Chancellor and Vice-Chancellor may be filled by election by and from the members of Council or by the appointment of persons not members of the

Council. The Governor is *ex officio* visitor of the Univ. The Chancellor is elected every 4 yrs. and is a member *ex officio* of every Fac. and of every Bd. or Cttee. within the Univ. The Vice-Chancellor is the chief executive officer of the Univ. The Senate consists of all graduates of the Univ., its chief officers being the Warden and Vice-Warden, who are elected every fourth yr. Its main functions are to elect members of Council and to consider proposed new Statutes or amendments to existing Statutes. The Professorial Bd. is the main academic body and exercises a general supervision over all matters concerning the studies and examns. of the Univ. The Facs. exercise similar functions but are subordinate to the Bd.

INCOME. The State Govt. Grant for 1953–54 was £A111,400 and the Commonwealth Grant £A47,851. Chem. and some Engineering subjects are taught under a joint agreement between the Univ. and the Hobart Technical Coll.; the Jt. Bd. of Management received a separate grant of £A37,175 from the State Govt. and £A9403 from the Commonwealth Grant for those depts. in 1953–54.

LIBRARY. 80,000 vols

LABORATORIES. Chem., Phys., Zool., Bot. and Geol., and Civ., Elect. and Mech. Engin. Testing plant in Engin. Dept.

FACULTIES AND DEANS. *Arts*, Prof. A. B. Taylor; *Commerce*, Prof. G. G. Firth; *Educn.*, Prof. C. D. Hardie; *Engin.*, Assoc. Prof. H. P. Tuck; *Law*, Prof. R. W. Baker; *Science*, Assoc. Prof. F. D. Cruickshank.

ADMISSION. *See* Appendix I. *Admission of non-members.* Any person whether matriculated or not may enrol for Univ. classes provided he can satisfy prerequisites (if any).

PUBLIC EXAMINATIONS. Matricn.; Music (held in conjunction with other Australian Univs.). *See also* Appendix I.

DEGREES, DEGREE COURSES. 3 yrs., B.A., B.A. (Hons.), B.Sc. (4th yr. for Hons.), B.Ec. (4th yr. for Hons.), B.Com.; 4 yrs., B.Sc. (Applied), B.Sc. (Applied) (Hons.), B.E., B.E. (Hons.), B.For.; 5 yrs., LL.B., LL.B. (Hons.). DEGREES COMPLETED ELSEWHERE: First yr. of courses leading to degrees in Med., Dent. and Agric. Sci. (Melbourne or Adelaide), Vet. Sci. (Sydney).

HIGHER DEGREES. Open to Bachelors of 2 yrs.' standing, M.A., M.Sc., LL.M., M.Ec., M.Com., Ph.D. (Sci. and Engin.); 3 yrs.', M.E.; 6 yrs.', D.Sc.; 7 yrs.', D.Litt., LL.D.; to Masters of 3 yrs.' standing, LL.D.

DIPLOMAS. Public Admin., 2 yrs.' course; Educn. (Postgraduate), 1 yr.'s course. CERTIFICATES. Educn., 2 yrs.' course. DIPLOMAS OF THE AFFILIATED SCHOOLS: 6 yrs.' course, Mech., Electr., Civil Engin., Appl. Chem., Metall., Mining (awarded by Hobart & Launceston Technical Colls. and Mount Lyell Sch. of Mines). 6 yrs.' course, Archit.; 4 yrs.' course, Art, Comm. Art. (Hobart & Launceston Technical Colls.). 3 yrs.' course, Teachers' Dipl. in Art (Hobart Technical Coll.).

EVENING CLASSES: Evening classes held for Commerce and Econ. students, who may gain degrees by pt.-time study.

FEES. Matricn., £2 : 2s., *ad eundem statum*, £2; Admission to Degrees, Bachelors, £5 : 5s. Including examn.: Masters, £15 : 15s.; Doctors, £26 : 5s.; Degree Courses (full-time) in Arts (3 yrs.), £130; Sci. (3 yrs.), £200; Sci. (Hons.) (4 yrs.), £266; Sci. (Appl.) (4 yrs.), £280; Engin. (4 yrs.), £354; Law (5 yrs.), £248; Comm. (3 yrs.), £143; Econ. (3 yrs.), £143; Econ. (Hons.) (4 yrs.), £188. Courses spread over longer periods than the minima would cost more.

POSTGRADUATE SCHOLARSHIPS AND GRANTS. Research Scholps., £500–£550 p.a.; I.C.I.A.N.Z. Research Fellowship (from a grant made by the Imperial Chemical Industries of Australia and New Zealand Ltd.), £600 p.a. *See also* Appendix III.

APPOINTMENTS BOARD. Establishment of Appts. Bd. is provided for by statute, but operations suspended as little call on its services in present period of full employment.

ACADEMIC YEAR. March to Dec., with 3 teaching terms of 9, 10, 9 weeks respectively, and 1 examn. term of 4 weeks.

GRADUATES' ASSOCIATION. Tasmanian Women Graduates' Assocn. Pres., Mrs. E. M. Lilley, 5 Rupert Ave., New Town.

STUDENTS' UNION. Tasmania Univ. Union; Sec., D. A. Frith.

STUDENTS' RESIDENCES. *See* Affiliated Residential Colleges, *above.*

PUBLICATIONS. *Univ. Calendar* (May, 7s. 6d.); *Matriculation Manual* (March, 5s.); *Details Degree Examns.* (June, 1s.); Students' paper, *Togatus* (monthly).

THE YEAR 1953

BENEFACTION. Aberfoyle Mining Co., £2000 for Hall of Residence.

NEW BUILDINGS. Temp. bldgs. for Dept. of Geog. erected on Sandy Bay site, also bldg. to house a vortex wind tunnel.

NEW POSTS. Sr. Lectureships in Geog. and Phys. Educn., Lectureship in Trg. of Pre-School Teachers.

NEW COURSES. 4th yr. Hons. courses in Fac. of Arts approved to take effect from 1956. New course for Dipl. in Public Admin. instituted and award of Cert. of Public Admin. discontinued. Courses in Accty. and Comm. Law revised and extended.

CHANGES IN REGULATIONS. Rules of B.A. and B.Ec. revised to allow greater choice of subjects from other Facs.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Assoc. Prof. K. G. Brill, St. Louis (Geol.), Dr. H. C. Reynolds, Calif. (Zool.).

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. G. H. Newstead, Camb. (Electr. Engin.); R. P. Roulston, Harv. Law Sch. (Law).

RESIGNATIONS. A. E. H. Griffits (Mech. Engin.), apptd. Principal Hobart Technical Coll.; L. Milburn (Librarian).

STUDENT NUMBERS.

	Full-Time	*Part-Time*	*External*
Men	262	171	48
Women	114	55	14
Total	376	226	62

Postgraduate students, 57.

New admissions, 237.

Students from other countries, 40 (countries from which largest numbers came: Federation of Malaya, 25; Fiji, 7).

DEGREES AWARDED. *Arts*: B.A., 28; B.A. (Hons.), 14; M.A., 1; M.A. (*ad eundem gradum*), 2; D.Litt., 1. *Comm.*: B.Com., 3; B.Ec., 7. *Engin.*: B.E., 11; M.E., 1. *Law*: LL.B., 5; LL.B. (Hons.), 1; LL.M., 1. *Sci.*: B.Sc., 13; B.Sc. (App.), 2; B.Sc. (Hons.), 5; M.Sc., 1; Ph.D., 6. *Total number of first degrees awarded*, 84.

DIPLOMAS AWARDED. Dip.Ed., 14; Dip.Pub.Ad., 1.

CERTIFICATES AWARDED. Cert.Ed., 12.

OTHER DEVELOPMENTS. "Open days", on which general public invited to inspect the Univ., held for first time. Marked increase in student enrolment after steady drop since post-war peak (664 in 1953 compared with 564 in 1952). Invalidity scheme for staff introduced involving contribution to fund of 1 per cent. of salary in addn. to 5 per cent. already contributed for superannuation; a contributor who becomes incapacitated receives pension equal to half salary.

THE UNIVERSITY OF WESTERN AUSTRALIA*

Founded 1911

Postal Address: Nedlands, Western Australia.
Telephone: Perth WM2481 (13 lines).

VISITOR—H.E. THE GOVERNOR, Lt.-Gen. Sir CHARLES H. GAIRDNER, K.C.M.G., K.C.V.O., C.B., C.B.E.

CHANCELLOR—E. W. GILLETT, B.A., LL.B.

PRO-CHANCELLOR—A. J. REID, C.M.G., I.S.O., B.A., F.A.S.A.

VICE-CHANCELLOR—S. L. PRESCOTT, M.Sc. Manc.

REGISTRAR—A. J. WILLIAMS, B.A., Dip.Ed.

ACCOUNTANT—R. M. FLETCHER.

LIBRARIAN—M. EVALYN WOOD, M.A.

TEACHING STAFF

Agriculture

Underwood, E. J., Ph.D. Camb., B.Sc. (Agric.) Dean, Fac. of Agric., Prof.
Stewart, A. M., B.Sc. (Agric.). Reader.
Millington, A. J., M.Sc. (Agric.). Reader.
Moir, R. J., B.Sc. (Agric.) Sr. Lectr.
Drover, D. P., B.Sc. Syd. Lectr.
Scutt, P. B., M.Sc. Melb. (Biochem.) Lectr.
2 Tech. Assts.

Anatomy v. Dental Science

Biochemistry, v. Agric.

Botany

Grieve, B. J., M.Sc. Melb., Ph.D. Lond., D.I.C., F.L.S. Dean, Fac. of Sci., and Hd. of Dept.
Brittan, N. H., B.Sc., Ph.D. Durh. Sr. Lectr.
Baird, Alison M., M.Sc. Sr. Lectr.
Smith, G. G., M.Sc. Lectr.
Johnson, Eileen R. L., M.A. Tor., B.Sc. Adel. Temp. Lectr.
1 Tech. Asst.

Chemistry

Bayliss, N. S., B.A. Oxon., B.Sc. Melb., Ph.D. Calif. Prof.
White, D. E., M.Sc. Syd., D.Phil. Oxon. Reader in charge Org. Chem.
Stokes, R. H., D.Sc. N.Z., Ph.D. Camb. (Phys. C.) Reader.
Elliott, G. A., M.Sc., Ph.D. Lond. (Phys. C.) Sr. Lectr.
Miller, J., B.Sc., Ph.D. Lond. (Org. C.) Sr. Lectr.
Levien, Barbara J., M.Sc. N.Z. (Phys. C.) Lectr.
Williams, V. A., B.Sc. (Org. C.) Temp. Lectr.
2 Grad. Assts., 2 Tech. Assts.

Classics and Ancient History

Austin, M. N., M.A. Oxon. Dean, Fac. of Arts, Prof.
Johnson, R. S., B.A., Dip.Ed. Syd. Lectr.

* Member of the Association of Universities of the British Commonwealth.

Dunn, Joyce, M.A. Melb. and Oxon. Temp. Lectr.

Dental Science

Sutherland, K. J G, M.B, B.S, M.D Sc. Melb Dean, Prof.
Taylor, R. L., M.D.Sc. Syd (Prosth) Reader.
Brinsden, G. I., B D.Sc. Melb. (Operative Dent) Sr. Lectr
Richardson, T, B D.Sc. Melb. (Operative Dent.) Sr. Lectr.
Lewis, A. J., D D.S., Northwestern, B D.Sc. (Prosth) Temp Lectr.
Cato, R. J., M B., B.S. Melb, F R.C S Ed. (Anat.) Pt.-time Lectr.
Cohen, B C., M.B., B.S. Melb (Pathol.) Pt.-time Lectr.
Cumpston, L. G B., M B., B S. Melb. (Anaesthesia) Pt.-time Lectr.
Fergusson-Stewart, V. A, M.B., B S Adel. (Bacteriol. and Pathol.) Pt.-time Lectr.
McGibbon, J. F. S., B.D Sc. Melb. (Orthodontia) Pt.-time Lectr.
Pearson, A. T., M B., B.S. Syd. (Anat.) Pt.-time Lectr.
Robinson, A R, B Sc., M D. Syd., M.S Melb, F R.A.C.S. (Surg.) Pt.-time Lectr.
Thorburn, I. O., M.D. Melb. (Physiol and Med) Pt.-time Lectr.
Watson, E. M., Ph.D. Lond. (Dent. Mat. Med.) Pt.-time Lectr.

1 Tech. Asst., 1 Photographer.

Economics

Mauldon, F. R. E., B.A., M.Ec. Syd., Litt.D. Melb. Prof.
Dowsett, W. T., M.Ec. Syd. Sr. Lectr.
Harris, Merab, M.A., Ph.D. Lond. Sr. Lectr.
Cook, A., B.A. Lectr.
Gentilli, J., D Sc. Venice Lectr.
Oxnam, D. W., M.A. N.Z. Lectr.

4 Pt.-time Tutors.

Education

Sanders, C., Ph.D. Lond M.A., Dip. Ed., F.B Ps.S. Dean, Fac. of Educn., Prof.
Wheeler, D. K., Ph.D. Lond., Dip Ed. Sr. Lectr.
Priest, T. A., B A. N.Z., Ed.B. Glas. Lectr.
Gray, R. K., B.Sc. (P.E) McG., M.A. N.Y. (Phys. Educn.) Sr. Lectr.
Howe, Evelyn, B.A. Tas., Dip.Phys.Ed. Melb. (Phys. Educn.) Lectr.
Merrilees, D., B.Sc. Syd. (Gen. Sci.) Sr. Lectr.
Callaway, F., Mus.Bac. Otago, F.T.C.L. (Music) Reader.

2 Pt.-time Tutors.

Engineering

Civil Engineering

Cooper, K. L., M.A., B.Sc. Oxon., B.Sc. Dean, Fac. of Engin., Prof
Espie, J. R., B.E. (Hydraulics) Sr. Lectr.
Hill, G. B., D.Phil. Oxon., B.E. Sr. Lectr.
Hondros, G., B.E. Lectr.
Silvester, R., B.E. (Hydraulics) Lectr.
McConnell, J., B.E. Temp. Lectr.
Spigl, H. S., B.A., B.Surv., F.R.A.S (Surveying) Pt -time Lectr.

2 Tech. Assts.

Electrical Engineering

Taplin, K. W., B.E. Reader, Hd. of Dept.
Bundell, J. H., B.E. Lectr.
Fall, J. V., B.E. Lectr.

1 Tech. Asst.

Mechanical Engineering

Downs, B., M.Eng. Liv.
Reader, Hd. of Dept.
Lutz, G. G., B.E. Sr. Lectr.
Minchin, R. S., B.E. Lectr.
2 Tech. Assts.

English

Edwards, W. A., M.A. Camb.
Prof.
King, A., M.A. Oxon. Reader.
Burrows, L. R., M.A. Sheff.
Sr. Lectr.
Bradley, D., B.A. Melb. Lectr.
Bradley, Jean, M.A. Melb. Lectr.
Mares, F. H., B.A. Durh. Lectr.
Watson-Williams, Helen B., B.A. Oxon. Lectr
1 Pt.-time Lectr, 3 Pt.-time Tutors.

French

Tauman, L., L. ès L., D. de l'U. Aix, D. ès L. Paris
Sr. Lectr., Hd. of Dept.
Morrow, Christine, B.A., D. de l'U. Toulouse.
Randall, Jean, M.A., Dip.Ed. Melb.
Lectr.
Huet, F., L. ès L. Paris
Temp. Lectr.

Geology

Prider, R. T., B.Sc., Ph.D. Camb., F.G.S. Prof.
Wilson, A. F., M.Sc. Adel., F.G.S.
Sr. Lectr.
Fairbridge, R. W., B.A. Qu., B.Sc. Oxon., D.Sc., F.G.S. Lectr.
Glenister, B. F., B.Sc.
Temp. Lectr.
1 Tech. Asst., 1 Grad. Asst.

German

Benn, M. B., M.A. Lond.
Sr. Lectr.
Pollak, H., Ph.D. Vienna
Pt.-time Lectr.

History

Alexander, F., M.A. Melb. and Oxon.
Chairman, Professorial Bd., Prof.
Crowley, F. K., M.A., Ph.D. Melb., D.Phil. Oxon., F.S S.
Lectr.
Legge, J. D., M.A. Melb. Lectr.
Reynolds, J. H., B.A. Adel , M A. Oxon. Pt.-time Lectr.
1 Pt.-time Tutor.

Italian

Vanzetti, F. Pt.-time Lectr.

Law

Beasley, F. R., B.A. Oxon., LL.B. Syd. Dean, Fac. of L., Prof.

Senior Lecturers

Brett, P., LL.B. Lond.
Downer, L. J., B.A. Oxon., LL.B. Syd.
Parsons, R. W., B.A., LL.B. Syd.

Part-time Lecturers

Burt, F. T. P., LL.M. (Law of Contract).
Jones, R. E., LL.B. (Equity).
Reilly, H. V., B.A., LL.B. (Pract. & Proced.)
Toohey, J. L., LL.B. (Real Property).
Wilson, R. D., LL.B. (Mercantile Law).
Wright, G. D., LL.B. (Company Law).

Mathematics

Blakers, A. L., A.M., Ph.D. Prin., B.Sc. Prof.
Gamblen, F., M.A. Camb., M.Sc., Dip.Ed. Sr. Lectr.
Storer, R., B.A., B.Sc., Dip.Ed.
Sr. Lectr.
Gani, J., B.Sc., D.I.C. Lectr.
Bowen, E. W., M.A., B.Sc. Melb.
Temp. Lectr.
1 Grad Asst., 1 Pt.-time Tutor.

Philosophy

Fox, A. C., M.A. Syd. (on leave) Prof.
Grave, S. A., M.A. N.Z. Sr. Lectr.
McCloskey, H. J., M.A., Ph.D. Melb. Lectr.
1 Pt.-time Tutor.

Physics

Birkett Clews, C. J., B.Sc., Ph.D. Lond. Prof.
Dingle, R. B., B.A., Ph.D. Camb. (Theor. Phys.) Reader.
Shearer, J., B.A., M.Sc. Melb., F.I.P. (Exper. Phys.) Reader.
Williams, S. E., M.Sc. Syd., Ph.D. Brist., F.R.A.S. Sr. Lectr.
Jeffery, P. M., B.Sc. Lectr.
Swan, J. B., M.Sc. Melb. Lectr.
Lucas, L. N. D., M.Sc., Ph.D. Lond. Lectr.
2 Tech. Assts.

Physiology

Crosby, N. D., M.D. Adel. Reader and Hd. of Dept.
Collin, R., M.Sc., M.B., B.S. Syd. Sr. Lectr.
1 Grad. Asst., 1 Tech. Asst.

Psychology

Walker, K. F., M.A. Syd. and Harv., Dip.Anthropol. Syd. Prof.
Marshall, A. J., B.A., Ph.D. Lond., F.B.Ps.S. Reader.
Morey, Elwyn A., Ph.D. Calif., M.A., B.Ed. Melb. Sr. Lectr.
Taft, R., B.A. Melb., A.M. Col., Ph.D. Calif. Sr. Lectr.
Spinley Betty M., Ph.D. Lond., M A. N.Z. Temp. Lectr.
2 Grad. Assts., 1 Tech. Asst.

Zoology

Waring, H., M.Sc. Liv., D.Sc. Aberd. Prof.
Hodgkin, E. P., B.Sc. Manc., D.Sc., F.R.E.S. Reader.
Kirk, R. L., M.Sc. Birm. Reader.
Main, A R., B.Sc. Lectr.
Finch, Mary E., B.Sc. Lectr.
2 Grad. Assts., 2 Tech. Assts.

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICE. Asst. Registrar: .....; Guidance and Appts. Officer: G. Y. D. Scarlett, B.A. Syd.; Sub-Accountant: .....; Sr. Admin. Assts.: L. A. W. Richards, also Clerk of Convocation; F. J. Malone; Enid M. Keen; Admin. Assts.: K. V. Benwell, W. A. Haywood, R. M. McLeish, J. G. Bailey.

LIBRARY. Asst. Librarian: Edith M. Child, B.A. Assts.: H. Kathleen Edmiston, B.A.; Natalie E. Pianta, B.A.; Natalie Sugden, B.A.; Anthea Williamson, B.A.

ADULT EDUCATION. Dir.: ..... Asst. Dir.: J. Birman. Tutor-Organizer (country): F. Ponton, M.A. N.Z. Sec.: B. Newton.

UNIVERSITY BOOK SHOP. Manager and Sec. of Text-Books Board: F. H. Beaumont.

RESIDENTIAL COLLEGES

ST. GEORGE'S COLLEGE. (*Telephone*: WM2481.) Affiliated to the University, admits men students. Warden—J. H. Reynolds, M.A. Adel. and Oxon.

WOMEN'S COLLEGE (at present in temporary quarters). (*Telephone*: WM2877.) Honorary Warden—M. Evalyn Wood, M.A.

UNIVERSITY HOSTEL (men). (*Telephone*: WM2876.) Manager—A. Haye.

ST. THOMAS MORE COLLEGE (at present under construction; it is hoped that the first students will be admitted in 1955).

AFFILIATED SCHOOLS

PERTH TECHNICAL COLLEGE, St. George's Tce., Perth. (*Telephone*: B7158.) SCHOOL OF MINES, Kalgoorlie, W.A. (*Telephone*: Kalgoorlie 80.) WESTERN AUSTRALIAN COLLEGE OF DENTAL SCIENCE, Wellington St., Perth. (*Telephone*: B9631.) STATE TEACHERS' COLLEGE, Claremont, W.A. (*Telephone*: F2154.)

GENERAL INFORMATION

Established by Act of the State Legislature in 1911, the University opened its first session in 1913. Its present site of 165 acres is at Crawley-Nedlands on a bay of the Swan estuary about 4 miles from Perth. On the site are extensive playing fields and two open-air theatres. The main University buildings, including Winthrop Hall, the student block, the Arts lecture-rooms and the Library, were made possible by a bequest of £A425,000 of Sir J. Winthrop Hackett, the first Chancellor of the Univ., and to-day are known as the Hackett Memorial Buildings. A further amount of £A140,000 bequeathed for the purpose to the Church of England, led to the establishment of St. George's Coll.

The University at present receives a statutory annual grant from the State Government and additional annual appropriations for current revenue from the same source. The total State grant in 1953 was approx. £A293,000 and a grant of approx. £A101,000 was received from the Commonwealth Govt. Total expenditure on all activities, including Public Examns. and Adult Educn., was £A522,000, including £A59,000 from various sources which was devoted to research.

The administration is vested in a Senate of 21 members, of whom six are nominated by the Government and seven are *ex-officio* or co-opted members. A second body with mainly elective and revisionary functions is known as Convocation. Convocation elects 6 members of the Senate. The teaching staff elects 2 members.

LABORATORIES. Agric., Anat., Bot., Chem., Dent., Geol., Engin., Phys., Physiol., Psychol., Zool. MUSEUMS. Agric., Bot., Geol., Zool. FIELD STATIONS. Bot., Zool.

LIBRARY. 115,150 vols. Accessions during 1953, 5487.

FACULTIES AND DEANS. *Agric.*, Prof. E. J. Underwood, *Arts*, Prof. M. N. Austin; *Dent. Sci.*, Prof. K. J. G. Sutherland; *Educn.*, Prof. C. Sanders; *Engin.*, Prof. K. L. Cooper; *Law*, Prof. F. R. Beasley; *Sci.*, Dr. B. J. Grieve.

DEGREE COURSES. 3 yrs.—B.A., B.Sc.; 4 yrs.—B.A. (Hons.), LL.B., B.Ed., B.Sc. (Hons.), B.Sc. (Agric.); 5 yrs.—B.D.Sc., B.Sc. (Agric.) (Hons.) and B.E. First-year Medicine is given as a course of Fac. of Sci. The years of study mentioned are the minimum for full-time students. In Arts and Educn. there are pt.-time students who take at least two yrs. longer.

HIGHER DEGREES. M.A., M.Ed., D.Litt., M.Sc., D.Sc., M.D.Sc., D.D.Sc., M.E., D.Eng., LL.M., LL.D. and Ph.D. In Arts and Sci. a Master's degree cannot be obtained in less than 5 yrs. from matricn. All higher degrees involve research. To proceed to a Master's degree a student must graduate with Hons. or pass an Hons. examn. Doctorates usually require not less than 7 yrs. from matricn. and are awarded only when the work represents a definite contribution to knowledge. In general, the work should have been published.

A one yr. Teachers' Cert. course is available to graduates of this or other recognized Univs. Part of course is taken at Univ. and remainder at Teachers' Coll.

EVENING OR LATE AFTERNOON CLASSES are held in the Facs. of Arts and of Educn. only, but certain Science and Engin. classes may be taken in the evenings at affiliated Colls.

FEES. Matricn., no fee. *Ad eundem statum*, £1 : 1s. Admission to Degrees : Bachelors, £3 ; Masters, £5 ; Doctors, £10. No lecture fees are charged, but there is a fac. service charge varying in amount up to £27 p.a. approx., covering examn. fees, use of lab. equipment, hire of microscopes, loan of books from library, etc. Library deposit of £2 also charged.

Students coming from overseas and neither normally nor likely to become permanently resident in Australia are charged an annual fee of £A50, in addition to all charges normally payable by Western Australians except in 2nd and higher yrs. of Fac. of Dent. Sci., when the fee is £A25 p.a. Approx. fees for local Dent. students are : 1st yr., £A65 ; 2nd, 3rd and 4th yrs., £A95 p.a. ; 5th yr., £A70.

RESIDENCE. University Hostel (accomm. for 120 men). A separate portion of the Hostel has been set aside for women and is now temporarily conducted as a Women's Coll. Accomm. for 60 women. (*See under* "Residential Colleges," *above.*) Fee : about £A4 : 4s. per week. Enquiries regarding the Men's Hostel should be addressed to the Manager. St. George's Coll. (*see above*) provides accomm. for 90 men students at a cost of approx. £A165 p.a.

EXTERNAL TUITION. Exemption from attendance at classes is allowed to students who are resident in Western Australia but live outside the metropolitan area of Perth. Correspondence tuition is provided for such students and there is a circulating library of essential text and reference books. In a few special cases, students who have been enrolled in the Univ. and have transferred to other States, are permitted to remain enrolled under the external tuition scheme. External enrolment is not permitted outside Australia and is allowed only in non-laboratory subjects, except that students taking lab. subjects may be permitted to enrol at affiliated instns. such as the School of Mines, Kalgoorlie.

ADMISSION. *See* Appendix I.

PUBLIC EXAMINATIONS. School Certifs. (Jr. and Leaving), Music and Art of Speech. School Certif. Examns. held annually in Nov. ; practical examns. in Music and Art of Speech in May and between Aug. and Dec. *See also* Appendix I.

ADULT EDUCATION. Adult Educn. work is controlled by the Univ. Adult Educn. Bd., which has its headquarters and library in Chancery House, Howard St., Perth. Its activities, which are State-wide and include extension lectures, orchestral concerts, drama, opera and ballet, are carried on in the metropolitan area of Perth as well as in country districts. Annual Summer School held in Jan. at the Univ. Annual expenditure £A31,000 approx.

STUDENT ORGANIZATION. The student organization is known as the Guild of Undergraduates and the student bldg. which forms part of the Hackett Memorial bldgs. is known as Hackett Hall. Annual subscription to the Guild is £A7 : 5s., but in first yr. students pay an extra £A1 : 1s. registration fee. Pt.-time students pay a proportionate fee.

ATHLETIC ACTIVITIES, ETC. The Univ. grounds contain 3 main sporting ovals as well as grass tennis courts, hockey and basket-ball grounds. There are 2 open-air theatres—the Somerville Auditorium seating 2000 and the Sunken Garden seating 400—for concerts and drama. The lawns are also used, during the annual Summer School, for folk-dancing. The Univ. is situated beside the Swan river and aquatic sports, including rowing, are popular.

ARMY AND AIR FORCE UNITS. There is a Univ. regiment and an Air Force unit.

PUBLICATIONS. *Calendar*, published for local and exchange purposes and not for sale ; a shortened edition called the *Handbook* is sold for 5s. ; *Orientation Handbook*, free to new students ; *University Gazette*, limited distribution free ; *Public Examn. Manual*, 5s. 6d. ; the *Pelican* (student newspaper). The Science Union is responsible for an annual magazine, *Scope*. Individual publicns. are undertaken by Univ. Text-Books Bd., which controls the Univ. Bookshop and acts as a publishing organization. The Univ. has a Publications Cttee. which also sponsors publicns. The *Annual Law Review* and the *Educand* are published under the auspices of the Cttee. Recently the Cttee. has been responsible for the publication of the *Inaugural Addresses* of newly appointed profs.

UNIV. OF WESTERN AUSTRALIA PRESS. Founded in 1953 to take over publishing functions of Text Books Bd. Its object is to publish works of learning, official Univ. publicns. and such other educnl. works as the Bd. of Management may accept, provided that such works have the approval of the Publicns. Cttee. of the Univ. of W. Aust.

THE YEAR 1953

PRINCIPAL BENEFACTIONS. Nuffield Foundation, £A2570 for res. in Chem. ; Dept. of National Development, £A1000, for res. on S.W. of Western Aust. ; various contributors, £1200, for projected Medical School ; various donors, £A20,000 to the Inst. of Agric., for res.

NEW POST. Guidance and Appointments Officer.

ADULT EDUCATION. The Adult Educn. Bd. conducted many activities in 1953 in country centres and the metropolitan area. Its expenditure was over £A31,000 during the year. In addition to classes, public lectures, Box Discussion Group Schemes and Library activities, the Bd. conducted music recitals, ballet performances and a large no. of dance recitals, presentations of drama and film screenings. The Bd.'s Annual Summer Sch. at the Univ. took place in Jan., attended by 239 people.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. J. Franklin Hunt, Hamilton Coll., New York ; W. D. Craig, Registrar, Univ. of Malaya ; B. Mellor, Registrar, Univ. of Hong Kong ; Prof. R. L. Mott, Colgate Univ., Hamilton, New York ; Prof. R. A. Robinson, Malaya ; Dr. F. C. Phillips, Brist. ; Prof. E. W. Titterton, A.N.U. ; Prof. H. J. Emeleus, Camb. ; Dr. Mary Murphy, Los Angeles State Coll. ; Prof. Frances Moran, Dub.

RESIGNATION. J. S. Jitts, Sr. Lectr. in Prosthodontia.

DEATH. Emer. Prof. G. E. Nicholls (Chair of Biol., 1921 to 1947).

STUDENT NUMBERS.

	Full-Time	*Part-Time* *
Men	766	562
Women	207	206
Total	973	768

* Almost all pt.-time students are in the Facs. of Arts and Educn. Some pt.-time students in Sci. study at affiliated institutions such as the Perth Tech. Coll.

Postgraduate students, 117.
New admissions, 461.
External students, 189, classified as pt.-time.

DEGREES AWARDED. B.Sc. (Agric.), 16 ; M.Sc. (Agric.), 1 ; B.A., 99 ; B.D.Sc., 10 ; B.Ed., 13 ; B.E., 36 ; B.Sc. (Eng.), 1 ; LL.B., 12 ; LL.M., 1 ; B.Sc. (For.), 4 ; B.Sc., 50 ; M.Sc., 7 ; Ph.D., 3.

DIPLOMAS AWARDED. Dip.Ed., 2.

CERTIFICATES AWARDED. Teachers' Cert., 7.

CANBERRA UNIVERSITY COLLEGE*

Founded 1930

Postal Address: P.O. Box 197, Canberra City, A.C.T., Australia.
Telegrams: Unicol, Canberra.
Telephone: Canberra—J1811 (5 lines).

CHAIRMAN OF THE COUNCIL—BERTRAM THOMAS DICKSON, B.A. Qu., Ph.D. McG.

PRINCIPAL—Professor HERBERT BURTON, B.A. Q'ld, M.A. Oxon. and Melb.

REGISTRAR AND SECRETARY TO THE COUNCIL—THOMAS MILES OWEN, B.Com. Melb., F.A.S.A., J.P.

LIBRARIAN—CLARE CAMPBELL-SMITH, B.A., Dip Ed. Tas.

TEACHING STAFF

Chinese v. Oriental Langs.

Economic History

Burton, H., B.A. Q'ld., M.A. Oxon. and Melb. Prof.
4 Pt.-time Lectrs.

Economics and Commerce

Arndt, H. W., M.A., B Litt. Oxon Prof.
Cameron, B. D., Ph.D. Camb., M.Ec. Syd. Sr. Lectr.
Barback, R. H., B.Sc. (Econ.) Lond. (on leave) Lectr.
Hudson, H. R., B.Ec. Syd Lectr.
Long, Frances, B.Ec. Tas. Res. Asst.
6 Pt.-time Lectrs.

English

Hope, A. D., B.A. Syd. and Oxon. Prof.
Todd, F. M., M.A. N.Z., Ph.D. Lond. (on leave) Lectr.
..... Lectr.

French, v. Mod. Langs.

German, v. Mod. Langs.

History

Clark, C. M. H., M.A. Melb. Prof.
Baker, D. W. A., B.A. Melb. Lectr.
Gardiner, L. R., B.A. Brist. (on leave) Lectr.
Munro, Valerie J., B Ec Syd. Res. Asst.

Japanese, v. Oriental Langs.

Law

..... Prof.
Fleming, J. G., M.A., D.Phil. Oxon. (on leave) Sr. Lectr
Goldie, L. F. E., LL.B. W.Aust. and Syd. Lectr.
4 Pt.-time Lectrs.

Mathematics

Greenhalgh, H., M.A. Q'ld. Pt.-time Lectr.

Modern Languages

Scales, D. P., B.A. Syd., D. de l'U. Paris (French) Prof.
Koch-Emmery, E. K. T., M.A. Adel., Ph.D. Vienna (German) (on leave) Sr. Lectr.

* Associate Member of the Association of Universities of the British Commonwealth.

2 Pt.-time Lectrs., 2 Pt.-time Tutors.

Oriental Languages

Bielenstein, H , fil. dr Stockholm (Chinese) Prof.
Langdon, F. C., A.M. Harv , Ph D. Calif. (Japanese) Sr Lectr
Rigby, T H , M.A. Melb., Ph D. Lond. (Russian) Sr. Lectr.
2 Pt -time Tutors.

Pacific Studies

Moore, T. I., B.A. Syd., M.A. Oxon. Sr. Lectr.

Philosophy

..... Prof

Gibson, Q. B., B.A. Melb., M.A. Oxon. Sr. Lectr.
Donagan, A. H., M.A. Melb., B.Phil. Oxon. (on leave) Lectr.
Benjamin, B. S., B.A. Melb., B.Phil. Oxon. Temp. Lectr.

Political Science

Crisp, L. F., M.A. Oxon. and Adel. Prof.
Beddie, B. D., B.A. Syd. Lectr.
1 Pt.-time Lectr

Psychology

Pentony, P., M.A. W.Aust. Sr. Lectr.
Seagrim, G. N., B.A. Lond. Lectr.

Russian, v Oriental Langs.

ADMINISTRATIVE AND OTHER STAFF

Registrar's Asst.: T. J. Keith. Accounting Officer: P. W. Brett. Admin. Asst: D. W. K. Webster, B.A. Syd. Sec. to Registrar: Helen Y. Sewell.

LIBRARY. Asst. Librarian: Dorothy M. Leaper, B.A. Melb.

GENERAL INFORMATION

The Canberra University College was created in 1929 by an Ordinance of the Australian Capital Territory. It is assocd. with the Univ. of Melbourne by a temp. reguln. of that Univ. whereby the Univ. recognizes the instruct. given at the Coll., examines the students for the Univ.'s own degrees, and approves appointments to the academic staff. The academic staff of the Coll. shares in the work of examn. The Coll. has a School of Oriental Langs. which provides courses in Chinese and Japanese and these are recognized as degree subjects by the Univ. of Melbourne although the Univ. itself has no equivalent depts. The same situation applies in respect of Austr. Lit. which is taught as a separate subject at the Coll. only. The temp. reguln. associating the Coll. with the Univ. of Melbourne has been successively renewed for two or three yr. periods since 1930 and is at present framed to expire at the end of 1956. The Australian National University Act, 1946, empowers the Australian National Univ. to incorporate the Coll. and discussions are at present proceeding which may result in such incorporation.

CONSTITUTION. The Council of the College consists of 17 members, 8 appointed by the Governor-General on the advice of the Minister for the Interior (of whom 2 are nominated by the Australian Capital Territory Advisory Council); 3 elected by grads. of any Univ. who are resident or employed in the A.C.T.; 2 elected by the teaching staff; 1 apptd. by the Australian National Univ.; the Principal; and 2 apptd. by the Council itself. The Council elects its own Chairman.

The Council is the governing body. Under it the principal academic body is the Bd. of Studies consisting of the Profs. and other heads of depts. The Coll. is not divided into Facs.

INCOME (1953–4), £84,362 (Govt. grants, 92 per cent.; Fees, 7 per cent.; Other, 1 per cent.

LIBRARY. 18,000 vols.

ADMISSION. *See* Appendix I.

NON-MEMBERS OF THE UNIVERSITY may, at the discretion of the hd. of the dept. concerned, be admitted to ordinary lectures at a fee of £3 : 3s. p.a. which does not admit to examn.

FIRST DEGREES AND DEGREE COURSES (of Univ. of Melbourne). 3 yrs., B.A. Pass (4th yr. for Hons.), LL.B. (Pass or Hons.), B.Com. Pass (4th yr. for Hons.).

HIGHER DEGREES (of Univ. of Melb.). M.A., LL.M., M.Com.

DIPLOMA COURSE (of Univ. of Melb.). Pub. Admin.

OTHER COURSES. Special lang. courses in German, Italian, Chinese and Japanese.

STUDY LEAVE. One yr. on full pay after six yrs.' service.

FEES (other than those charged by the University for matriculation, examinations, etc.). Degree and Diploma Courses, £13 : 10s. for each subject.

ACADEMIC YEAR. March to Dec. 3 teaching terms of 10, 9 and 6 weeks and examn. term.

STUDENT RESIDENCE. Accomm. is available for students in lodgings, admission to which is controlled by the Coll. Fees £5 : 3s. 6d. p.w.

By 1955 it is hoped to have in addition a hall of residence with accomm. for 30 men students.

PUBLICATIONS. *Calendar* (Jan.), 3s.; *Gazette* (quarterly); *Prometheus* (Students' Magazine) (annually), 3s.; *Woroni* (Students' Newspaper) fortnightly each term; *Commonwealth Literary Fund Lectures*; *Annual Commencement Address*; *Annual Report.*

THE YEAR 1953

BENEFACTION. Commonwealth Bank Econ. Res. Grant, £1000.

NEW POSTS. Chair of Law, Chair of Philos., Sr. Lectureships in Japanese, Russian and Mod. Langs.

PRINCIPAL CHANGES IN REGULATIONS. Canberra University College Ordinance, 1929–1940, repealed and replaced by new Ordinance, the main effect of which was to enlarge the governing body by the inclusion of members elected by grads. and academic staff. Chinese recognized as a 3-yr. course counting towards a degree.

VISIT BY MEMBER OF STAFF FROM ANOTHER UNIVERSITY. Prof. L. Severson, Visiting Fulbright Prof. (Econ.).

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. A. H. Donagan, Visiting Fulbright Lectr. in Philos. of Religion, Minn.; Prof. H. W. Arndt, Visiting Fulbright Lectr. in Econ., S. Carolina, and visiting lectr., Istanbul; Dr. F. M. Todd, Cwth. Literary Fund Lectr., Adel. and Melb.; T. I. Moore, Cwth. Literary Fund Lectr., Qu'ld.

RETIREMENT. Sir Robert Garran (Chairman of Council since 1930).

RESIGNATION. R. J. Cameron, lectr. in Econ. (apptd. to teaching fellowship, Harvard Univ.).

OTHER DEVELOPMENTS. The School of Diplomatic Studies, in which cadets of the Dept. of External Affairs pursued 2 yrs. of postgrad. study, was suspended. External Affairs cadets now enrol in individual subjects of the normal curriculum. Gungahlin, the Coll.'s Hall of Residence, was closed at end of first term.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	5	257
Women	5	59
Total	10	316

Postgraduate students, 23.
New admissions, 145.
Students from other countries, 7 (U.S.A., Ceylon, Indonesia, Thailand).

DEGREES AWARDED. B.A., 7; M.A., 1; B.Com., 11.

CERTIFICATES AWARDED. Diplomatic Studies, 9.

NEW ZEALAND

UNIVERSITY OF NEW ZEALAND (p. 1086)
UNIVERSITY OF OTAGO (p. 1089)
CANTERBURY UNIVERSITY COLLEGE (p. 1099)
AUCKLAND UNIVERSITY COLLEGE (p. 1105)
VICTORIA UNIVERSITY COLLEGE (p. 1110)
CANTERBURY AGRICULTURAL COLLEGE (p. 1114)
MASSEY AGRICULTURAL COLLEGE (p. 1118)

UNIVERSITY INSTITUTIONS IN NEW ZEALAND

[Specially contributed for this edition in June 1954 by I. F. McKenzie, M.A., B.Com., Registrar of the University of New Zealand.]

THE University of New Zealand, as it stands at present, differs greatly from the University which was first established by Act of Parliament in 1870. The University has evolved to meet the needs of a rapidly developing young country, and while it partakes of some of the characteristics of Universities in the Old World, many of its features today are developed to meet the needs of New Zealand.

Observers have from time to time compared it with the Universities of Oxford, London and Wales. Those who think of Oxford are perhaps too kind, for save that the University of New Zealand is a community of Colleges it has much more of red brick than of ancient stone in its construction. The parallel with London is somewhat more close in that, for many years, the principal duty of the University under the Act of 1908 was to conduct examinations for the students in the Colleges. For over half a century the scripts were sent to Great Britain for examination, but a high proportion of the examining is today entrusted to the individual Colleges, although for the higher stages and final professionals the Senate requires the employment in the examining team in each subject of external examiners or assessors who are frequently members of staff from other Colleges. The parallel with Wales becomes closer with the Act of 1926, which laid less stress on the function of the University as an examining body and developed the University as a federation of Colleges to teach towards common degrees, for the structure of which the University took the major responsibility. Originally the University even directed the detailed prescriptions, including set books and periods for special study. The charge of those matters has in the past decade been increasingly delegated to the Colleges. New Zealand, like Wales, has one University and one governing body or Senate ; there is a parallel in the geographical distribution of Colleges, though New Zealand suffers from the fact that her Colleges are spread over one thousand miles of latitude, while their closest neighbours, instead of being readily accessible by road or rail, are separated by twelve hundred miles of the turbulent Tasman Sea.

The federal University comprises six Colleges in all. The first of these was established by the Scottish pioneers in the year 1869, through an Ordinance of the Provincial Council of Otago. When the concept of one University for New Zealand almost immediately developed, the Scottish settlers did not yield readily their right to their own independent University, and the archives of the federal office still include the original statement of conditions upon which Otago agreed to join the federation. Not least among these conditions was the demand that the young institution in Dunedin should retain the full title of a

University, though under the new enactment it was to function as a constituent college and was destined not to receive a charter of its own. In 1873, the Queen granted a charter to the University of New Zealand, and that year also saw the establishment of Canterbury University College, largely sponsored by the English settlers of Christchurch. Auckland, the original capital of the Colony, established its University College in 1882, and Wellington set up Victoria University College in 1897. Of the two Agricultural Colleges, Canterbury Agricultural College, Lincoln, was established as early as 1873, though its government until the year 1896 remained largely with the Council of Canterbury University College. Massey College, established in 1926, fused the agricultural interests which had previously rested with Auckland and Victoria and thus provided a healthy centre of agricultural education and research in the North Island.

The governing body of the University of New Zealand is the Senate, which includes representatives of each of the Colleges, of the Government and of the graduate body. The Senate exercises authority in general academic and administrative matters, while on the financial side it has set up a Grants Committee, which is charged with the duty of advising the Government on the financial needs of University education, and on the application of such grants as may be made by Parliament to meet those needs. On the academic side, the Senate relies upon the advice of the Academic Board, which is composed of representatives appointed by the College Professorial Boards, together with representatives elected by the Professors and Lecturers. In matters pertaining to the University entrance qualification and entrance scholarships, the Senate is advised by the Entrance Board, which includes representatives of the Academic Board, the Post-Primary Schools' Association and the Department of Education. The senior body in the University, in terms of the Act, is the Court of Convocation, but the members of the federal Court are scattered over such wide distances that worth-while meetings have become impracticable, and the Court of Convocation retains principally the duty of electing five graduate representatives to the Senate.

The University of New Zealand takes the responsibility for the entrance qualification in all of its Colleges. The scope and content of the examination has been changed from time to time, and at present the entrance examination requires a standard of work representing four to five years of post-primary education in English and in three other subjects selected from a fairly wide list. Adequate provision is made for the recognition of the entrance examinations of other Universities.

The federal University has built up through the years a substantial scholarship fund, now augmented by grants from general income and by Government aid, and the University provides a considerable number of entrance scholarships, senior scholarships, research awards and travelling scholarships. These are all administered on a competitive basis, and are available to New Zealand undergraduates and graduates at appropriate stages in their courses.

Each of the four Constituent Colleges provides University courses

in Arts, Science, Law, Commerce and Music, but the training for various other professions is provided by Special Schools, which are recognized by the University but are located in various of the Colleges. Thus Auckland provides special courses in Engineering, Architecture and Fine Arts; Victoria in Political Science, Public Administration and Social Work; Canterbury in Engineering and Fine Arts, Otago in Medicine, Dentistry, Home Science, Mining and Physical Education. Each of the two Agricultural Colleges has developed characteristics suitable to the Island in which it is placed, and provides a centre of teaching and research which is highly valued in a country dependent as New Zealand is upon its primary products.

While the University authorities fully realize the importance of concentrated and full-time academic study, that ideal has not proved practicable for many young New Zealanders: of the eleven thousand matriculated students of 1953, almost five thousand were part-time students, and almost one thousand were external students registered with the University but authorized to pursue their courses through private study, provided that they were able to pass the examinations conducted each year by the University. The Senate is at the present time seriously discussing the arrangements for extra-mural students, and is considering whether wise educational policy would withdraw the right of extra-university study, or would endeavour to provide some form of educational assistance for the extra-mural student

The University of New Zealand is still in a state of evolution. Some authorities maintain that the Constituent Colleges are now equal in size and structure to Universities of the Old World, and should thus become completely autonomous. Others maintain that the federal structure is peculiarly suited to the needs and the administration of New Zealand, and that the changes should be made in the local and administrative conditions which govern the organization. Meantime, the University prides itself on the fact that it has consistently endeavoured to provide an education similar in scope and standard to that offered by the Universities of the United Kingdom. The scheme of travelling scholarships which produced Mellor and Rutherford has been continued and extended, administrative contacts have been fostered through the Association of Universities of the British Commonwealth, and the University takes pride in its place as one of the Commonwealth Universities.

[*Information compiled as at* 9/6/54.]

UNIVERSITY OF NEW ZEALAND*

Founded 1870

Corner Bowen and Mowbray Streets, Wellington.

Postal Address: P.O. Box 8035, Govt. Buildings, Wellington, C.1, New Zealand.
Telegrams: Aude, Wellington, New Zealand.
Telephone: Wellington 43415.

VISITOR—H.E. THE GOVERNOR-GENERAL.

CHANCELLOR—The Hon. Sir DAVID STANLEY SMITH, Hon. D.C.L. Oxon., LL.M.

PRO-CHANCELLOR—LEONARD JOHN WILD, C B.E., M.A., B Sc

VICE-CHANCELLOR—GEORGE ALEXANDER CURRIE, B.Sc. (Agric.), D.Sc., Hon. LL.D. Aberd., Hon. Litt.D. W.Aust.

REGISTRAR—IAN FRASER MCKENZIE, M.A., B.Com.

AGENT IN ENGLAND (FINANCIAL)—THE HIGH COMMISSIONER FOR NEW ZEALAND, 415 Strand, London, W.C.2. (ACADEMIC)—Prof. R. O. BUCHANAN, B.Sc. (Econ.), Ph.D. Lond, M.A., London School of Economics and Political Science.

ASSISTANT REGISTRAR—E. G. KEDGLEY, B.A., B.Com.

CONSTITUENT COLLEGES

UNIVERSITY OF OTAGO: *see* p. 1089.

CANTERBURY UNIVERSITY COLLEGE: *see* p. 1099.

AUCKLAND UNIVERSITY COLLEGE: *see* p. 1105.

VICTORIA UNIVERSITY COLLEGE: *see* p. 1110.

ASSOCIATED COLLEGES

CANTERBURY AGRICULTURE COLLEGE: *see* p. 1099.

MASSEY AGRICULTURAL COLLEGE: *see* p. 1118.

GENERAL INFORMATION (*see also* pp. 1083-1085)

The University was founded, as a purely examining University, by an Act of the Colonial Govt. in 1870. It received its Royal Charter in 1876. Its constitution is defined in the N.Z. University Act, 1908, and subsequent amendments. The most important of these later amendments was that of 1926 by which the Univ. was re-established as a federal Univ. consisting of the four Constituent University Colleges together with the two Agricultural Colleges.

The government of the Univ. is vested in the Senate, advised on academic

* Member of the Association of Universities of the British Commonwealth.

matters by the Academic Board, and on entrance matters by the Entrance Board. The Senate consists of a Chancellor, Pro-Chancellor and Vice-Chancellor, 4 members nominated by the Governor-General, 8 appointed by the governing bodies of the University Colleges, 1 by the School of Agriculture, 1 by the Senate, 5 by Convocation, 3 by the Academic Board, the Academic Heads of the constituent Colleges and the Director of Education.

The federal University is now largely concerned with wider problems of the promotion and co-ordination of University education and research and, within recent years, has established a University Press, a Research Fund (at present £15,000 p.a.) and a University Grants Committee. It supervises higher teaching appointments in the Colleges, and the governing bodies of the Colleges cannot make any appointment to a Chair without the prior approval of the Senate. A Professor so appointed becomes a " Professor of the University." *See also* p. 1084.

The University owns, in Wellington, University House, which contains its administrative offices and the Senate Room.

ADMISSION. The principal examn. qualifying for matricn. is the Entrance Examn. held in Dec., when the candidate is required to pass in English and in 3 other subjects selected from appropriate groups of subjects. For certain of the professional courses, candidates are recommended to include certain suitable subjects in their Entrance qualifcn.

Special provision is made for the admission to certain courses of students who have reached the age of 21 yrs. and who give evidence of some reasonable educational background though they have not passed the Entrance Examn. This admission is later confirmed on results gained.

Students from overseas are admitted at the discretion of a Cttee. of the Senate if they have passed an approved Entrance Examn. in a Univ. overseas, or if they have passed such an examn. at a standard which appears to the Cttee. to be the standard of Univ. Entrance in New Zealand.

Under present regulns. the Entrance Examn. is no longer in any way related to the School Certif. Examn. in New Zealand, that examn. normally being taken at least a yr. before the candidate takes the Entrance Examn.

" AD EUNDEM " RECOGNITION. Courses completed, or partly completed, at any British or other approved Univ. may be accepted *ad eundem statum*.

EXTERNAL STUDENTS. Provision is made in certain faculties (notably Arts, Comm. and Law) for the admission to degree examns. of students exempted from attendance at a College. Exemption is available only to students domiciled in N.Z. and in N.Z. Island Territories.

ACADEMIC YEAR. Teaching extends from March to Oct. or Nov., in three terms, Autumn (March–May), Winter (June–Aug.) and Spring (Sept.–Oct. or Nov.).

DEGREE COURSES. 3 yrs.—B.A., B.Sc.; 4 yrs.—B.H.Sc., B.Agr.Sc. (including practical work on farm), B.Mus., B.Mus. (Hons.), B.Arch. (including 18 mos.' practical work), LL.B., B.E. (Mech., Elect., Civ., Mining, Metall., including from 9 to 18 mos. in shops, mines or surveying), B.Com.; 5 yrs.—B.E. (Hons.), B.D.S.; 6 yrs.—M.B., Ch.B., B.Med.Sc.

HIGHER DEGREES. For Masters' degrees, *i.e.* M.A., M.Sc., M.Com., LL.M., M.H.Sc., M.Agr.Sc., M.Med.Sc., 1 or 2 yrs. of study beyond the Bachelor's degree is required, with examns. and thesis; for Doctors' degrees (except M.D., Ch.M.), *i.e.* Litt.D., LL.D., D.Sc., Mus.D., D.D.S., 5 yrs.' standing as Master, and an approved thesis; for M.D., Ch.M., 3 yrs.' standing, with approved

thesis and examns.; for Ph.D., 2 yrs.' standing, with approved thesis and examn.; for B.D., 2 yrs. postgraduate work.

DIPLOMAS, ETC. Public Health (2 yrs. after M.B.); Education (1 yr. after B.A.); Journalism, Banking, Fine Arts (each 3 yrs.).

PROFESSIONAL SCHOOLS. *See* p. 1085.

SCHOLARSHIPS FOR GRADUATES. Senior Scholps. in various subjects of the B.A., B.Sc., LL.B., Mus.B. or B.Com. syllabus and in Med., Dent., Engin., Agric., Archit. and Home. Sci.—£90; Travelling Scholps. in Arts, Sci., Law, Comm.—£400 (2 yrs.); in Engin., Dent., Archit. and Med.—£300–£400 (1 yr.); Macmillan Brown Res. Scholp. in Agric. (biennial)—£300 (2 yrs. possible). National Res. Scholps., £500 (2 yrs.), are offered annually by D.S.I.R. to Sci. grads. of N.Z. Univ. or other approved persons; Shell Scholps., £750 (2 yrs.); I.C.I. Scholps., £500 (2 yrs.); also Shirtcliffe Fellowship for Res., £250 p.a. for 2 yrs.; Shirtcliffe Res. Scholp., £100 (1 yr.); Shirtcliffe Grad. Bursary, £75 (1 yr.). 2 Fellowships in Educn. Michael Hiatt Baker Scholp. (Univ. of Bristol). About 6 Res. fellowships (£340 p.a.) are awarded annually from the Research Fund, which, from time to time, may make awards of a higher value to sr. workers.

PUBLICATIONS. *Calendar* (Oct.), 4s. (plus postage); *Minutes of Proceedings of Senate*, free; Entrance or Entrance Scholp. *Examn. Papers*, 1s. 6d. or 1s. a set; *Research in the Univ.*, 1946–49.

UNIVERSITY PRESS. Established 1947, by a grant from the Senate. Publishes text-books and works of scholarship.

THE YEAR 1953

The Univ. Grants Cttee. is planning for 1955–59 quinquennium.

CHANGES IN REGULATIONS. It is planned to set up a Curriculum Cttee. whose duties would be to approve the prescriptions, regns., etc., proposed by the several Colls. under the Univ. statutes governing degrees.

VISIT BY MEMBER OF STAFF FROM OTHER UNIVERSITY. Prof. P. E. Vernon, Inst. of Educn., Lond.

DEATH. Dr. H. F. von Haast (member of Senate 1907–21 and 1930–37, Pro-Chancellor 1936–37).

HONORARY DEGREES. Nil.

STUDENT NUMBERS.

	Full-Time	*Part-Time*	*External*
Men	3705	3716	808
Women	1201	1289	112
Total	4906	5005	920

Postgraduate students, 1221.
New admissions, 2515.

DEGREES. B.Agr.Sc., 28; M.Agr.Sc., 4; B.Arch., 10; B.A., 386; M.A., 133; B.Com., 63; M.Com., 2; B.D.S., 52; D.D.S., 1; B.D., 4; B.E., 88; B.H.Sc., 16; M.H.Sc., nil.; LL.B., 50; LL.M., 6; M.B., Ch.B., 112; B.Med.Sc., 4; M.D., 2; B.Sc., 162; M.Sc., 57; D.Sc., 5; Mus.B., 10; Ph.D., 12.

UNIVERSITY OF OTAGO*

Founded 1869

Postal Address: P.O. Box 56, Dunedin, New Zealand.
Telephone: Dunedin 13-909.

VISITOR—H.E. THE GOVERNOR-GENERAL.

CHANCELLOR—Very Rev. D. C. HERRON, M.C., C.B.E., Hon. D.D. St. And., M.A.

VICE-CHANCELLOR—F. G. SOPER, C.B.E., Ph.D., D.Sc. Wales, F.R.I.C., F.R.S.N.Z., F.N.Z.I.C.

HON. TREASURER—C. V. SMITH, C.B.E.

REGISTRAR—J. W. HAYWARD, B.Com.

LIBRARIAN—F. H. ROGERS, M.A. Brist., F.L.A.

TEACHING STAFF

Anthropology

.....

Bacteriology

Hercus, Sir Charles E., D.S.O., O.B.E., M.D., B.D.S., D.P.H., F.R.C.P.Ed., F.R.A.C.P., F.R.A.C.S. Prof.
Watt, M. N., M.B., Ch.B. Sr. Lectr.
Marples, Mrs. Mary J., M.A. Oxon., M.D. Sr. Lectr.
Markham, N. P., D.Phil. Oxon., B.Sc., M.B., Ch.B. Sr. Lectr.
Faine, S., B.Med.Sc., M.B., Ch.B. (on leave) Lectr.
Bacon, D. F., B.Sc. Asst. Lectr.

Biochemistry

Edson, N. L., Ph.D. Camb., B.Med.Sc., M.B., Ch.B., F.R.S.N.Z., F.N.Z.I.C. Prof.
Batt, R. D., M.A., D.Phil. Oxon., M.Sc., Ph.D. Sr. Lectr.
Hunter, G. J. E., M.Sc. Sr. Lectr.
Shaw, D. R. D., M.Sc. Asst. Lectr.
Martin, J. K., M.Sc. Asst. Lectr.

Botany

Baylis, G. T. S., Ph.D. Lond., M.Sc., D.I.C. Prof.
Harris, G. P., Ph.D. Manc., B.Sc. Lond. Lectr.
Slade, Brenda F., M.Sc., Ph.D. Camb. Asst. Lectr.
1 Temp. Asst. Lectr.

Chemistry

Parton, H. N., M.Sc. N.Z., Ph.D. Lond., F.N.Z.I.C. Prof.
Carter, C. L., M.Sc. Reader.

Lecturers

Corbett, R. E., Ph.D. Camb., M.Sc.
Edwards, W. G. H., B.Sc., Ph.D. Lond.

* Associate Member of the Association of Universities of the British Commonwealth.

Bottomley, G. A., B.Sc., Ph.D. Leeds.
Fyfe, W. S., Ph.D., M.Sc. (on leave).
Campbell, A. D., M.Sc., Ph.D. (on leave).
Murray, J., M.Sc., Ph D. Camb.
3 Asst. Lectrs.

Classics

Manton, G. R., M.A. Camb. Prof.
Anderson, J K., B.A. Oxon. Lectr.
Hamilton, J. R., M.A. Edin., B.A. Camb. Lectr.
Thornton, Mrs. Agathe H. F., B.A. Camb. and Lond., Ph.D. Edin. (on leave) Lectr.

Commerce

Part-time Lecturers
Cowan, T. K., M.Com.
Valentine, J A., B.Com.
Cowan, F. W., LL.B., B.Com.
Cook, J. P., LL.B.
Sinclair, R. S. M., B.A., M.Com., Dip.Soc.Sc.
Griffiths, W. M., B Com.
Tilly, H. S. J., B.Com.
Gilkinson, W. S., B.Com.

Dentistry, v. *infra*

Economics

Billing, G. C., B.A. Adel., Ph.D. Lond.
Dean, Fac. of Commerce, Prof.
Bernardelli, H., D.Ph. Frankfurt Reader.
Blakey, K. A., B.A., M.Sc. Lond. (on leave) Lectr.
1 Asst. Lectr.

Education

Mitchell, F. W., M.A., B.Sc. Adel., Ph.D. Lond. (on leave) Prof.
Seddon, R., Ph.D. Lond., M.A., B.Com., Dip.Ed. Sr. Lectr.
Campbell, W. J., Ph.D. Lond., M.A., Dip.Ed. Lectr.
Hill, C G. N., M.A., Dip.Ed. Asst. Lectr.
Taylor, Joyce H., M.A. Asst. Lectr.

English Lang. and Lit.

Greig, J. Y. T., M.A., D.Litt. Glas. Prof.
Cameron, G. M., M.A. Lond. and N.Z. Sr. Lectr.
Whitaker, M. P., B.A. Oxon. Lectr.
Dalziel, Margaret, M.A. Oxon. and N.Z., D.Phil. Oxon. Lectr.
Trevor, J. Sp. Lectr.
Robertson, R. T., M.A. Asst. Lectr.
Harty, Lenore, M A. Asst. Lectr.

Geography

Lister, R. G., B.A. Lond., F.R.G S. Lectr.-in-charge.
Elliott, Eileen L., B.A. Camb. Lectr.
Dick, R. S., M.Sc. Asst. Lectr.

Geology

Odell, N. E., Ph.D. Camb., F.G.S., F.R.G.S. Prof.
Brown, D. A., Ph.D. Lond., M.Sc., D.I.C., F.G.S., F.R.G.S. Sr. Lectr.
Coombs, D. S., Ph.D. Camb., M.Sc., F.G.S. Lectr.
Hamilton, D., M Sc., B.A. Asst. Lectr.

Hebrew

Knight, Rev. G. A. F., M.A., B.D. Glas. Lectr.

History

Morrell, W. P., D.Phil. Oxon., M.A.
Dean, Fac. of Arts and Music, Prof.
Ross, A., M.C. and Bar, Ph.D. Camb., M.A. Sr. Lectr.
Olssen, E. A., M.A. Adel. (Pol. Sci.) Sr. Lectr.
Pocock, J. G. A., Ph.D. Camb., M.A. Lectr.
Parsonson, G. S., M.A. Asst. Lectr.

Penfold, W. J., B.A. Melb. Asst. Lectr.

Home Science

Gregory, Elizabeth, Ph.D. Lond., M.H.Sc., F.N.Z.I.C. Dean, Fac. of Home Sci. and Prof.

Senior Lecturers

Bowbyes, Avice M., B.S., A.M. Col., Dip.H.Sc. (Clothing).

Thomson, Helen M. S., Ph.D. Leeds, M.H.Sc. (Chem.).

Jackson, Phyllis R., M.H.Sc., Dip.Ed. (Methods of Teaching) (on leave).

Gray, Eleanor M., M.S. Iowa, B.H.Sc., Dip.Ed. (Foods).

..... (Design and Craft).

Lecturers

Macfarlane, Catherine E., B.H.Sc. (Institutional Management).

..... (Nutrition).

Assistant Lecturers

Batham, Esperance I., M.H.Sc. (Chem.).

Swindells, Yola E., M.H.Sc. (Chem.) (on leave).

Domigan, Ngaire, B.H.Sc. (Clothing) (on leave).

Griffiths, Valmai M., M.H.Sc. (Foods).

Law

Part-time Lecturers

Stephens, A. C., LL.M. (Jurisprud.) Dean, Fac. of Law.

Allan, N. W., LL.B. (Company L. and Bankruptcy).

Caudwell, M. M. (Conveyancing).

Haggitt, A. N., LL.B.(Roman L.).

Barrowclough, C. B., B.A., LL.B. (Conflict of Laws).

Curzon-Siggers, Canon W. A., LL.M. Camb., M.A. (Publ. Internat. L.).

More, J. S. D., LL.B. (Contracts).

Ward, J. P. (Practice and Procedure).

Nevill, P. H. W., LL.B. (Trusts etc.).

Joel, M., LL.B. (Constitutional L.).

Holden, A. C, B.A., LL.B., B.Com. (Constitutional L.).

Reid, W. H., LL.M. (Property).

Ross, H. S., LL.B. (Criminal L.).

Guest, F. W., M.A., LL.M. (Evidence, Torts).

Marine Biology

Batham, Elizabeth J., Ph.D. Camb., M.Sc. Lectr.

Mathematics, Pure and Applied

Gabriel, R. M., M.A. Camb. Prof.

Orton, A. A., M.A., M.Sc. W. Aust. (Appl.M.) Sr. Lectr.

Silverstone, H., Ph.D. Edin., M.A. Sr. Lectr.

O'Meara, O. T., M.A. Cape T., Ph.D. Prin. Lectr.

Sawyer, D. B., B.A. Camb. Lectr.

Medicine, v. *infra*

Mining and Metallurgy

Williams, G. J., Ph.D. Lond., M.Sc., B.E., D.I.C. Dean of Fac., Prof.

Graham, J. I., M.A. Camb., M.Sc. Lond., F.R.C.S.I., F.R I.C., F.I.F. (Coal Res.) Prof.

Senior Lecturers

Muir, H., Sc.D. M.I.T., B.Met.E. Melb. (Metall.).

Buchanan, D. E., B.E. (Engin.).

Rogers, J., M.Sc. (Mineral Engin.).

Mackie, J. B., M.Sc., B.E., F.G.S. (Surveying).

Watson, W. B., B.Sc. (Coal Mining).

Shackleton, A. J., B.E. Hon. Lectr.

2 Asst. Lectrs.

Modern Languages

Silver, R. C., M.A. Glas., L. ès L. Paris Prof.

Barrell, R., M.A., B.Sc., D.U.P. Lectr.
Herd, E. W., M.A. Camb. Lectr.
Tarrant, Anne G , M.A Asst. Lectr.

Music

Galway, V. E , Mus.D. Melb., Hon. F.T.C.L. Prof.
Martin, Mary A., Mus.B. Lectr.
Gordon, A. A. E., B.A., Mus.B. Pt.-time Lectr.

Philosophy and Psychology

Passmore, J. A., M.A. Syd. Prof.
.....
Sr. Lectr.
Thornton, Rev. H., M.A. Edin. (on leave) Lectr.
Bernardelli, Mrs. Betty M., M.A. Camb. Lectr.
Durrant, R. G., M.A. Asst. Lectr.

Physical Education

Smithells, P. A., M.A. Camb. Dir.
Wallace, J., D.P.E. Glas. Lectr.
Cameron, P. E., B.A. Lectr.
Golding, Annette, Dip.Phys.Ed. Lectr.
Brokenshire, Mrs. Noeline, Dip. Phys.Ed. Lectr.

Physics

Nimmo, R. R., Ph.D. Camb., M.Sc., F.I.P. Dean, Fac. of Sci., Prof.
Blackie, Agnes R., M.Sc. Sr. Lectr.
McLellan, A. G., Ph.D. Edin., M.Sc. Sr. Lectr.

Lecturers

Symmons, H. F., B.Sc. Brist.
Dodd, J. N., M.Sc., Ph.D. Birm.
Bogle, G. S., M.Sc., D.Phil. Oxon.
Hodgson, E. R., M.Sc.

Assistant Lecturers

McKenzie, J. M., M.Sc.
Gabriel, J. R., B.Sc.

Physiology

McIntyre, A. K., B.Sc., M.B., B.S. Syd. Prof.
Rall, W., B.S Yale, M.Sc. Chic., Ph.D. (Biophys.) (on leave) Sr. Lectr
Brock, L., B.Sc., M.B., Ch.B. (on leave) Sr. Lectr.
Bradley, K., M.Sc. Manc. Lectr.
Batt, Mrs. Olga D., M.B., Ch.B. Asst. Lectr.
Harwood, R. V., B.Sc. Asst. Lectr.

Theology

Part-time Lecturers

Henderson, Rev. J., M.A., Ph.D. Edin. (Theol.) Dean of Fac.
Allan, Rev. J. A., D.D. Edin., M.A. (New T.).
Haddon, Principal A. L., M.A. Melb., D.D. Butler (Church Hist.).
Knight, Rev. G. A. F., M.A., B.D. Glas. (Old T.).
Perkins, Rev. Father F. W. B., B.A. Leeds (Philos. of Religion).
Rex, Rev. H H., M.A , Dr Theol. Tubingen (Church Hist.).

Zoology

Marples, B. J., M.A. Oxon , M.Sc. Manc., F.R.S. N Z. Prof
Fyfe, Marion L., M.Sc. Sr. Lectr
Brewin, Beryl I., M.Sc. Lectr
Satchell, G. H , B.Sc. Lond., Ph.D. Leeds Lectr.
Paviour-Smith, Kitty, M.Sc. Asst. Lectr.

Dentistry

Basic Dental Sciences

Shroff, F. R., D.D.S. Assoc. Prof.
Nevin, R. B., B Sc., B.D.S. Lectr.

Conservative Dentistry

Warren, J. Le B., M.D.Sc. Melb., B.D.S. Prof.
Chirnside, I. M., B.D.S. (on leave). Sr. Lectr.
Barr, A. M., B.D.S. Lectr.
2 Asst. Lectrs.

Medicine

Chapman, O. W., M.B., Ch.B. Lectr.

Oral Surgery

Walsh, J. P., M.B., B.S., D.D.Sc. Melb, F.D S.R C.S. Dean of Fac., Prof.

Macalister, A. D., B.D.S. Lectr.

Orthodontics

Grosham, A. H., B.D.S. Sr. Lectr.

Craven, A. H, B.D S., D D.S. Northwestern, M.S. Ill. Lectr.

Periodontia

Cunningham, W. M, D.D.S. Tor., B.D.S. Sr. Lectr.

Pharmacology and Therapeutics

Iverach, J. A. D., M.C., B.A., M.B., Ch.B., F.R.C.P.Ed., F.R.A.C.P. Lectr.

Preventive, Public Health and Children's D

Davies, G. N., D.D S. Northwestern, B.D.S. Sr. Lectr.

1 Asst. Lectr.

Prosthetic Dentistry

Craddock, F. W., M.S.D. Northwestern, D.D.S., B.A., Dip. Ed. Assoc. Prof.

Johnston, J. W., B.D.S. (on leave) Lectr.

McLean, F. G., M.Sc. Lectr.

1 Asst. Lectr.

Surgery

Fitzgerald, H. W., M.B., Ch.B., F.R.C.S.Ed. Lectr.

Dental Hospital

Donaldson, K. I., B.D.S. Syd., F.D.S.R.C.S. Sr. Dent. Surgeon.

1 Asst. Surgeon

General

3 Asst. Lectrs.

Medicine

(For Bacteriol., Biochem, Physiol, v. *supra*]

Anæsthetics

Ritchie, J. R., M.B., Ch.B. Sr. Lectr.

7 Pt.-time Assts.

Anatomy

Adams, W. E., Ph.D. Leeds, M.Sc., B.Med.Sc., M.B., Ch.B. Prof.

Trotter, W. D, D.Phil. Oxon., M B, Ch.B Sr. Lectr.

Schofield, G. C., M.B., Ch.B. Sr. Lectr.

Assistant Lecturers

Morris, W. R., B.A., M.B., Ch.B.,

Robinson, L. R., M.B., Ch.B.

6 Demrs., 2 Visiting Demrs.

Bacteriology, v. *supra*; v. also Hyg. and Prev. Med.

Biochemistry, v. *supra*

Ear, Nose and Throat

Wardale, A., M.D., M.S. Lond., F.R.C.S., F.R.A.C.S. Sr. Lectr.

Horowitz, S., M.D. Vienna, F.R.F.P.S. Glas. Lectr.

1 Asst.

Gynæcology and Obstetrics

Wright, J. L., M.B., Ch.B., F.R.C.S.Ed., F.R.C.O.G. Prof.

Cox, L. W., M.B., Ch.B., F.R.C.S. Sr. Lectr.

Perry, A., O.B.E., M.B., Ch.B., F.R.C.S.Ed. (Obstet.) Sr. Lectr.

Stewart, Marion, M.B., Ch.B. (Obstet.) Lectr.

Hygiene and Preventive Medicine

Hercus, Sir Charles E., D.S.O., O.B.E., M.D., B.D.S., D.P.H., F.R.A.C.P., F.R.A.C.S., F.R.C.P.Ed. Dean of Fac., Prof.

Douglas, A. M., M.B., Ch.B., D.P.H. Sr. Lectr.
Chapman, Eileen N., M.B., Ch.B. Lectr.
Dempster, G. O. L., M.D., D.P.H. Asst. Lectr.
Bell, A., M.B., B.S. Durh. Asst. Lectr.
Spears, G. S. F. (Stats.) Asst. Lectr.

Medical Jurisprudence

D'Ath, E. F., M.B., Ch.B., F.R.A.C.P. Prof.

Medicine

Smirk, F. H., M.D. Manc., F.R.C.P., F.R.A.C.P. Prof.
Iverach, J. A. D., M.C., B.A., M.B., Ch.B., F.R.C.P.Ed., F.R.A.C.P. Assoc. Prof.
Caughey, J. E., M.D., F.R.C.P., F.R.A.C.P. (Neurol.) Assoc. Prof
McGeorge, M., M D., F.R.A.C.P. (Pædiat) Sr. Lectr.
Wilson, R. F., M.B., Ch.B. (TB.) Sr. Lectr.
Fastier, F. M., M.Sc., D.Phil. Oxon. (Pharmacol.) Sr. Lectr.
Ironside, W., M.B., Ch.B., D.Psy. (Psychiatry) Sr. Lectr.
Kirk, G. R., O.B.E , M.B., Ch.B. Sr Lectr.

Lecturers

Palmer, G. B., M.B., B.S. Lond., D.P.M. (Mental Dis.).
Kilpatrick, J. A., M.D.
Chapman, O. W., M.B., Ch.B.
MacLeod, E. K., M.B., Ch.B.
Lewis, L. S. A., B.Med.Sc., M.D.
Medlicott, R. W., M.B., Ch.B.

Assistant Lecturers

Deem, Muriel H., O.B.E., M D.
Begg, N. C., M.B., Ch.B.
Stringer, H. C. W., Ph.D. Edin., M.B., Ch.B., D.T.M. & H. Edin.
5 Assts.

Ophthalmology

Wilson, R. P., M.B.E., B.Sc., M.B., Ch B. Edin., F.R.C.S.Ed. Sr. Lectr.
Macdonald, R. G., M.B., Ch.B., D.O.M.S., F.R.C.S.Ed., F.R.A.C.S. Lectr.
Parr, J. C., M.B , Ch.B., F.R.C.S. Asst. Lectr.
1 Asst.

Pathology

D'Ath, E. F., M.B., Ch.B., F.R.A.C.P. Prof.
Rodda, R. A., M.D Sr. Lectr.
Brückner, J. B., M D. Bud. Lectr.
4 Asst. Lectrs.

Physiology, v. *supra*

Radiology

Sowerby, W., M.D , D.M.R.E Camb , F.R.C.S.Ed., F.F.R. Sr. Lectr
Begg, A. C., M D., D D.R. Lectr.
Jerram, C. W. S., M.B., Ch.B. Lectr.

Stomatology

Walsh, J. P., M.B., B.S., D.D.Sc. Melb., F.D.S.R.C S. Prof.

Surgery

Woodruff, M. F. A , B.E.E., M.D., M.S. Melb., F.R.C.S. Prof.
Nisbet, N. W., L.D.S., F.R.C.S. Ed. (Orthop. S.) Assoc. Prof.

Senior Lecturers

James, J. A., M.B., B.S. Melb., F.R.A.C.S. (Neurosurg.)
Greenslade, C. M., M.B., Ch.B., F.R.C.S., F.R.A.C.S. (Venereal Dis)
Pearse, V. T., M.B., Ch.B., F.R.C S.
Speight, N. C., M.B., Ch.B , F.R C.S.Ed , F.R.A.C.S.
Fitzgerald, H. W., M.B., Ch.B., F.R.C.S.Ed., F.R.A.C.S.

Wilson, S. L., D.S.O., M.B., Ch.B., F.R.C.S., F.R.A.C.S.
Borrie, J. H., M.B.E., M.B., Ch.B., F.R.C.S.

Lecturers

Karn, H., F.R.C.S.Ed.
Dawson, E. O., M.B., Ch.B., F.R.C.S.Ed.
Alldred, A. J., M.B., Ch.B, F.R.C.S.
Robinson, R. G., M.B., B.S. Lond., F.R.C.S.
Llourado, J. G., M.D. Barcelona.

Assistant Lecturer

McLeod, Pearl A. I., B.Sc., M.B., Ch.B., F.R.F.P.S. Glas.
3 Assts.

Branch Medical Faculties

Christchurch: Gray, M. K., M.B., Ch.B., F.R.A.C.P.(Sub-Dean), with sr. staff members of Christchurch Public Hospital. *Wellington*: Mercer, J. O., M.B., Ch.B., F.R.A.C.P. (Sub-Dean), with sr. staff members of Wellington Public Hospital. *Auckland*: Sayers, E. G., M.B., Ch.B, F.R.C.P., F.R.A.C.P. (Sub-Dean), with sr. staff members of Auckland Public Hospital.

Adult Education

Hall, D. O. W., M.A. Camb., Dir.; Home Science Extension, 4 Tutors, General Adult Education, 6 Tutors.

ADMINISTRATIVE AND OTHER STAFF

Accountant: G. M. Broad, B.Com. Asst. to the Registrar, Jean M. Riley, M.B.E., M.A. Sec., Med. Fac.: J. A. Crawley. Sec., Dent. Fac.: R. W. Foster, B.Com. Dep. Librarian: E. Joy Robinson, M.A. Med. Sch. Librarian: H. D. Erlam, B.A., Dent. Sch. Librarian: J. F. Dennison, B.A. Liaison Officer and Dean of Students: B. H. Howard, M.A., Litt.D. Dir. of Student Health Service: A. M. Douglas, M.B., Ch.B., D.P.H. Lodgings Registrar: E. W. Low, B.A. Wardens of Student Hostels: Studholme House, Prof. Elizabeth Gregory, Ph.D. Lond., M.H.Sc., F.N.Z.I.C.; Selwyn College, Rev. Father F. W. B. Perkins, B.A. Leeds; Knox College, Rev. H. J. Ryburn, B.A. Oxon., B.D. Union, M.A.; St. Margaret's College, Miss V. M. Barron, M.A.; Carrington Hall, Rev. L. H. Jenkins, B.D.; Arana Hall, Rev. J. M. Bates, M.A.; Dominican Hall, Mother Superior—Sister M. Anselm; Aquinas Hall, Rector—Rev. L. T. McArdle.

GENERAL INFORMATION

Founded by Ordinance of the Otago Provincial Council in 1869, with power to grant degrees in Arts, Medicine and Law, the Univ. was opened in 1871. By an agreement effected in 1874 the Univ. agreed to hold in abeyance its power of granting degrees, and to become affiliated to the Univ. of New Zealand (*q.v.*), in which it ranks as one of the four Constituent Colls. The Law Fac. originated in 1873, the Medical Sch. in 1874, the Sch. of Mines in 1878, the Dental Sch. in 1907, Accountancy Lectures and the Sch. of Home Science in 1911, the Theology Fac. in 1945 and the Sch. of Physical Education in 1948.

The govt. of the Univ. is vested in the Council, on which are represented the Professorial Bd., teaching staff, Students' Assoc., graduates (Convocation) and a number of educational and other bodies; the Governor-General-in-Council nominates two members. The Council is advised on academic matters by the Professorial Bd.

INCOME (1952). Gen. Univ. Funds, £431,632 (govt. grants, 75 per cent., student fees, 12 per cent., endowment lands, gifts, bequests, 3 per cent., other sources, 10 per cent.); Res., Scholps. and sp. funds, £72,691; allied instns. (Museum, Adult Educn.), £33,036; Total: £537,359.

FACULTIES AND DEANS. *Arts and Music*, Prof. W. P. Morrell; *Commerce*, Prof. G. C. Billing; *Dentistry*, Prof. J. P. Walsh; *Home Science*, Prof. Elizabeth Gregory; *Law*, A. C. Stephens; *Medicine*, Prof. Sir Charles E. Hercus; *Mining and Metallurgy*, Prof. G. J. Williams; *Science*, Prof. R. R. Nimmo; *Theology*, Rev. Dr. J. Henderson. *School of Physical Education*, Dir.: P. A. Smithells.

LIBRARIES. Main Library, including Departmental libraries, 104,000 vols.; Dental Library, 3000 vols.; Medical Library, 20,000 vols.; also the Hocken collection of 11,500 books, pamphlets and MSS. relating to hist. of N.Z. and the Pacific.

LABORATORIES, MUSEUMS, FIELD STATIONS. Labs. in all Sci., Med., Dental, Mining and Home Sci. depts. (*see* Teaching Staff). Otago Museum (ethnol., biol. and general, including Cook collection of Roman and Greek coins); Departmental Museums in Anat., Pathol. and Geol. Marine Biological Station, Portobello (10 miles from Dunedin).

TEACHING HOSPITALS. Dunedin Public (400 beds); Queen Mary Maternity (44); Seacliff Mental (1200); Christchurch Public (583); Wellington Public (916); Auckland Public (577), and in Auckland city, Cornwall (631), Greenlane (594), Middlemore (306).

ENTRANCE REQUIREMENTS (*see* Univ. of New Zealand—p. 1087). Special conditions govern entrance to professional classes in the Facs. of Med. and Dent., in which annual admissions are limited to 120 and 50 respectively, and entrance to the Sch. of Physical Educn., which admits up to 30 students annually. Non-members of the Univ., if over 16 years of age, are admissible to most classes.

DEGREE AND DIPLOMA COURSES. Courses for Univ. of New Zealand degrees and diplomas (*q.v.*) in all Facs. mentioned above. Courses for the following Univ. of Otago diplomas: Associateship of the Otago School of Mines (A.O.S.M.) in Mining, Metall. or Geol. (4 yrs.); Dipl. of Land and Mine Surveying (2 yrs.); Dipl. in Home Science (3 yrs.); Dipl. of Physical Educn. (3 yrs.); Dipl. of Diagnostic Radiol. (2 yrs.). Extra-mural students are accepted only in certain courses, and must reside within the Univ. of Otago district.

SPECIAL RESEARCH FACILITIES. Labs. of the Med. Research Council of N.Z., the British Empire Cancer Campaign (N.Z. Branch) and Travis Trust (tuberculosis res.) are housed in Med. and Dent. Sch. Bldgs., and administered through the Univ.

FEES. (Approx.) Arts (3 yrs.), £55 (4th yr. for M.A. extra, £9 : 9s.); Sci. (3 yrs.), £70 (4th yr. for M.Sc. extra, £12 : 12s.); Law (5 yrs.), £85; Commerce (4 yrs.), £50; Mining and Metall. (B.E. and A.O.S.M.) (4 yrs.), £175; Home Sci., Dipl. (3 yrs.), £110, B.H.Sc. (4 yrs.), £145 (4th yr. for M.H.Sc. extra, £12 : 12s.); Med. (6 yrs.), £235; Dent. (5 yrs.), £230; Physical Educn. (3 yrs.), £100.

Examn. fees (not included above) up to £12 per yr.

ADULT EDUCATION. This dept., financed through National Council of Education, undertakes general tutorial classes in Dunedin and Invercargill, and in country districts throughout the provinces of Otago and Southland. Through

these, and specialized work carried out by Drama, Music and Home Science Extension tutors, community activities and appreciation of the arts are developed. Special short " Summer Schools " in poetry, drama and flower arrangement have been held, but no regular vacation courses are offered.

POSTGRADUATE AWARDS. No " open " awards.

GRADUATES' ASSOCIATIONS. All grads. become members of the Univ. of Otago District Court of Convocation, which elects 4 of the 21 members of the Univ. of Otago Council and, in conjunction with Courts of the other Univ. districts, 5 of the 30 members of the Senate of the Univ. of N.Z. There is also a Univ. of Otago Graduates' Assocn. which publishes annually a *Vice-Chancellor's Newsletter to graduates.*

STUDENT RESIDENCES (for Wardens *see* " Admin. and other Staff ", *above*). (Fees : from £3 to £4 : 10s. per week.) Selwyn Coll., Castle St., Dunedin, N.1 (*Telephone* : 11-973) (Anglican), 72 men ; Knox College, Opoho, Dunedin, N.E.1 (*Telephone* : 13-621) (Presbyterian), 107 men ; St. Margaret's College, Leith St., Dunedin, N.1 (*Telephone* : 13-070) (Presbyterian), 124 women ; Arana Hall, 110 Clyde Street, Dunedin, N.1 (*Telephone* : 12-975) (Interdenominational), 100 men ; Carrington Hall, 57 Heriot Row, Dunedin, N.1 (*Telephone* : 12-598) (Interdenominational), 57 men and 48 women ; Dominican Hall, 44 Park Street, Dunedin, N.1 (*Telephone* : 10-722) (Catholic), 40 women ; Studholme House (*Telephone* : 18-219), 57 Home Science students, Aquinas Hall (*Telephone* : 16-889), 80 men.

STAFF RESIDENCES. Temp. housing for new members of staff arranged by a sp. cttee. of Univ. Council.

O.U. MEDICAL COMPANY. Two weeks' annual camp, and day parades each term.

STUDENT HEALTH SERVICE. Administered by Preventive Med. Dept. of Medical Sch. ; voluntary enrolment by students allows for periodical health assessments and discussions as well as sickness care.

STUDENTS' UNION. The Otago Univ. Students' Assoc. has offices in the Union Bldg. which contains common rooms for men and women, locker rooms, a cafeteria and a miniature theatre.

PUBLICATIONS. *Calendar* (Dec.), 2s. 6d. ; Thomson, G. E., *A History of the University of Otago, 1869–1919*, o/p ; Carmalt-Jones, D. W., *Annals of University of Otago Medical School, 1875–1939*, o/p ; *University of Otago, its Growth and Development*, 1948, 2s. 6d. ; *Proc. Otago Medical School Research Society* (annual) ; Home Science Extension and Adult Education Department *Bulletins* (appear irregularly) ; Student publications—*Critic* (fortnightly) ; *Review* (annual) ; *Digest* (Medical, annual).

THE YEAR 1953

BENEFACTIONS. Staff, Students and Sundry Donors, £13,392, for Univ. Union Bldg. Fund ; Nuffield Foundation, £903, for Special Res. ; Internatl. Union of Biol. Scis., £126 ; New Zealand Crippled Children's Soc., £700, for Res. in Spastic Palsy ; Estate F. M. Allan, £1108, for Library ; Estate T. L. Buick, £1000, for Library ; Estate Esmond de Beer, £100, for Library ; Estate H. Le Cren Russell, £14,700, for Med. Res. ; Estate Hugh Adam, £2769, for Med. Res. ; Life Insurance Med. Res. Fund, £2023, for Med. Res. ; Commercial Firm, £250, for Med. Res.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. J. Jones, Texas; Prof. R. J. Havighurst, Fulbright Lectr. in Educn. at Canterbury U.C.; Dr. P. E. Vernon, Prof. of Educnl. Psychol., Inst. of Educn., Lond.; M. Manilier, Visiting Lectr. in French; Sir Charles Symonds, Neurologist, Guy's Hosp., Lond.; Dr. D. Brinton, Neurologist, St. Mary's Hosp., Lond.; Prof. A. R. Olpin, Pres., Utah; Dr. Fumio Saito, Chief of the Aiiku Res. Inst. for Maternity and Child Welfare, Tokio; Prof. G. G. Duncan, Penn.; Dr. A. Mizoguchi, Japan; Dr. D. Guthrie, Edin.; Prof. H. J. M. Weve, Supt. of Netherlands Hosp.; Mr. S. Philps, Surgeon-in-Charge, St. Bart.'s Hosp., Lond.; Prof. van den Ende, Cape T.; Dr. M. Powell, Melb.; Prof. J. McMichael, Postgrad. Med. Federation, Lond.; Sir John Stopford, Vice-Chanc., Univ. of Manc.; Prof. F. J. Llewellyn, Auckland U.C.; Prof. Frances Moran, Dub.; Prof. H. J. Emeleus, Prof. of Inorg. Chem., Camb.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. D. R. Grey, U.K.; G. M. Cameron, U.K.; Dr. A. D. Campbell, Corday-Morgan Fellowship, Glas.; Dr. S. Faine, Nuffield Fellow, Oxford; E. R. Hodgson, U.K.; Dr. A. G. McLellan, Adel.; Dr. L. G. Brock, Camb.; Dr. W. Rall, U.S.A., Rockefeller Grant; Dr. G. Satchell, S. Africa, U.K. and Europe; Prof. F. H. Smirk, Syd.; Assoc. Prof. J. E. Caughey, U.K.; Dr. M. McGeorge, Rockefeller Grant, U.S.A., Scand. and U.K.; Dr. R. F. Wilson, U.K.; J. Borrie, Syd.; Dr. G. N. Davies, Brisbane; I. M. Chirnside, U.K.; J. W. Johnston, Manc.

RESIGNATIONS. G. M. Crowley (Biochem.); L. D. McIver (Auditing); Dr. Gertrude Huehns (Hist.) to a post in U.K.; J. E. P. Murphy (Design) to a post in U.K.; Virginia M. Robertshawe (Home Sci.); D. H. Monro (Philos.) to Lectureship, Syd. Univ.; A. W. L. Veale (Phys.); Mrs. Shirley Rind (Zool.); Dr. L. E. Richdale (Zool.); J. F. A. Harding (Dent.), Dr. G. F. S. Parker (Prev. Med.), N. Waddle (Surg.) to private practice.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	1167	419
Women	444	116
Total	1611	535

Postgraduate students: 118 (87 taking Masters' Degrees, 17 taking Ph.D., 14 grads. studying for the B.D.).

New admissions, 375.

Students from other countries, 17. (Countries from which largest numbers came: Fiji, 8; Federation of Malaya, 6.)

DEGREES AWARDED (Univ. of N.Z.). *Arts*: M.A., 26; B.A., 73; *Comm.*: B.Com., 9; *Dent.*: D.D.S., 1; M.D.S., 1; B.D.S., 52; *Divinity*: B.D., 6; *Engin.*: B.E., 5; *Home Sci.*: M.H.Sc., 2; B.H.Sc. 5; *Law*: LL.M., 1; LL.B., 5; *Med.*: Ch.M., 1; M.D., 2; M.B., Ch.B., 99; B.Med.Sc., 4; *Music*: Mus.B., 4; *Sci.*: D.Sc., 1; Ph.D., 2; M.Sc., 15; B.Sc., 30. *Total number of degrees awarded*, 344.

Diplomas (Univ. of N.Z.). *Arts*: Dip. Hons., 1; *Banking*: Dip. Bank., 1; *Educn.*: Dip. Ed., 4; *Med.*: D.P.H., 3; *Music*: Dip. Mus., 2.

DIPLOMAS (Univ. of Otago). *Home Sci.*: Dip.H.Sc., 19; *Engin.*: A.O.S.M., 8; *Med.*: Dip. Diagnostic Radiol., 1; *Phys. Educn.*: Dip.Phys.Ed., 14.

CANTERBURY UNIVERSITY COLLEGE*

Founded 1873

Postal Address: P.O. Box 1471, Christchurch, C.1, New Zealand.
Telephone: Christchurch 88-821.

VISITOR—THE MINISTER OF EDUCATION.
CHAIRMAN OF COUNCIL—W. J. CARTWRIGHT, B.A.
RECTOR—.....
REGISTRAR—JAMES LOGIE.
LIBRARIAN—C. W. COLLINS, M.A., F.L.A.

TEACHING STAFF

Accountancy
Battersby, G. B., Ph.D. Lond., M.Com. Hd. of Dept.

Part-time Assistants
Burtt, J. K., B.Com., F.P.A.N.Z.
Hindin, J. B., B.Com.
Jensen, K. J., B.Com.

Pt.-time Asst. Lectrs. in Commercial Law
Drake, B. J., B.A., LL.M.
Wicks, J. A., LL.M.
Mahon, P. T., LL.B.

Botany
Philipson, W. R., B.A. Camb., Ph.D. Lond. Hd. of Dept. and Dean, Fac. of Sci.

Lecturers
Arnold, B. C., M.Sc.
Mayer, Margaret, D.Sc.
Brownlie, G., M.Sc. Asst. Lectr.

Chemistry
Packer, J., M.Sc. Melb., D.I.C., F.R.I.C. Prof.
..... Assoc. Prof.
Wilkins, C. J., Ph.D. Lond., M.Sc. Sr. Lectr.
Vaughan, J., M.Sc. Wales Sr. Lectr.

Lecturers
Penfold, B. R., Ph.D. Camb., M.Sc.
Christensen, M. T., M.Sc (on leave).
Austin, J. M., M.Sc.

Classics
Pocock, L. G., M C., M.A. Lond. Prof.
..... Assoc. Prof.
Steven, Marion K., M.A., M.B., Ch.B. Sr. Lectr.
Clarke, Dorothy M., M.A. Asst. Lectr.

Economics
Weststrate, C., LL.D. Ley. Prof., Dean, Fac. of Commerce.
Danks, A. J., M.A. Sr. Lectr.
Rosenberg, W., M.Com. Sr. Lectr.
Miller, G. M., B.A., M.Com. (on leave). Sr. Lectr.

Education
Field, H. E., Ph D. Lond., M.A. Prof., Dean, Fac. of Soc. Sciences.

* Associate Member of the Association of Universities of the British Commonwealth.

..... Sr. Lectr.
Ford, C. T., M.A. Sr. Lectr.
Lawrence, P J , M.A. Lectr.

Engineering, v. *infra*

English Language and Literature

Garrett, J. C., M A. Alta. and Oxon. Prof.
Rhodes, H. W., M.A. Melb. Assoc. Prof.
Stockwell, A. W , B.Litt. Oxon , M.A., B.Sc Sr. Lectr.
Baigent, L. A., M.A. Sr. Lectr.
Spear, C. E., M.A., L.Th. Lectr.
Copland, R. A., M.A. Lectr.

Geography

Jobberns, G., M.A., D.Sc. Prof.
Pownall, L. L., M.A Sr. Lectr.
McCaskill, M., M.A (on leave). Sr. Lectr.
Johnston, W. B., M.A Lectr.
Packard, W. P., M.A Lectr

Geology

Allan, R. S., D.Sc., Ph.D. Camb , F.R.S.N.Z., F.G.S. Prof.
Gage, M., D.Sc. Sr. Lectr.
Campbell, J. D., M Sc. Lectr

History and Political Science

Phillips, N. C., M.A. Prof.
Saunders, J. J., M.A. Lond. Sr. Lectr.
Fieldhouse, D. K., M.A. Oxon. Lectr.
Gardner, W. J., M.A. Lectr.

Journalism

Burns, G. Lectr.

Law

Wills, E. P., B.A., LL.M., M.Com. (Property and Contracts) Dean, Fac. of Law.

Assistants

Bowie, E. S., LL.B. (Torts).
Bowron, R. H., LL.B. (Internat. L.).
Champion, E. C., M.A., LL.M. (Trusts).
Cuningham, W. G. P., LL.B. (Procedure).
Drake, B. J., B.A., LL.M. (Criminal L. and Jurisprud.).
Edgley, R. W., LL.B. (Evidence).
Hensley, L. J., LL.B. (Comp. L. and L. of Bankruptcy).
Hewitt, D. J., LL.M. (Constitutional L.).
Lockwood, G. G., LL.B. (Legal Ethics).
Taylor, I. W., LL.B. (Conveyancing).
Brown, W. F. (Roman Law).
Somers, E. J., B.A., LL.B. (Conflict of Laws)

Mathematics

Saddler, W., M.A., D.Sc. St. And , B.A. Camb. Prof.
Andress, W. R., B.A. Camb., B.Sc. Manc. Sr. Lectr.
Harding, F. Mary, Ph.D. Edin., M.A. Lectr.
Long, R. S., B A. Camb., M.Sc. Lectr.
Sawyer, W. W., M.A. Camb. Lectr.
Benney, D. J., M.Sc. Lectr

Modern Languages

Malthus, C., M.A., Litt.D. Prof
White, J. F. D., B A., M.Sc. Sr. Lectr.
Carter, T. E., B.A. Leeds Lectr.
Leov, Nola M , M.A. Lectr.

Music

Griffiths, V., M.A., Mus.B. Camb., Mus.D., F.T.C.L. Prof., Dean, Fac. of Music and Fine Arts.
Ritchie, J., Mus.B. Sr. Lectr.
Neale, Clare I., B.A., Mus.B., F.T.C.L. (on leave). Lectr.

Philosophy

Prior, A. N., M.A. Prof.
Shorter, J. M., M A. Oxon. Lectr.

Physics

Tarrant, G. T. P., M A., Ph.D. Camb. Sr. Lectr.
Ellyett, C. D., Ph.D. Manc , M.Sc. Sr. Lectr.
Roth, K. W., B.A. Lectr.
Gregory, J. B., M.Sc. Lectr.
Pope, N. K., Ph.D. Edin., M.Sc. Lectr.
Anderson, R. A., B.Sc. Glas. Asst. Lectr.
Schroeder, P. A., M.Sc. Asst. Lectr.

Psychology

Crowther, A., Ph.D. Camb., M.A. Hd. of Dept., and Dean, Fac. of Arts.
Thompson, R. H. T., M.A. (on leave). Lectr.
Scott, T. H., M.A. (on leave). Lectr.
Reid, R. L., M.A. Edin. Lectr.

Zoology

Percival, E., B.Sc. Leeds Prof.
Pilgrim, R. L. C., Ph.D. Lond., M.Sc Sr. Lectr.
Nurse, Frances R., M.Sc. Lectr.
Knox, G. A., B.A., M.Sc. Lectr.
Godley, E. J., Ph.D. Camb. Hon. Lectr.
Wiseley, H. B , M.Sc. Asst. Lectr.

Engineering

Chemical Engineering

Siemon, S. R., B.Sc., M.App.Sc. Q'ld. Sr. Lectr. and Hd. of Dept.
Hagyard, T., B.Sc., Ph.D. Lond. Sr. Lectr.
Burns, G. C. J., M.B., Ch.B. Pt.-time Lectr.

Civil Engineering

Hopkins, H. J., D.F.C., M.A. Oxon., B.Sc., B.E. W.Aust. Prof.

Senior Lecturers

Alley, P. J., B.E.
Henderson, F. M., B.E., M.Sc.
Holmes, I. L., B.E.
Massey, P. C., B.E.
Simpson, A. H., B.E.
Willman, A., B.Sc. (Eng.) Lond., Dip.C.Eng.

Lecturers

Giddens, E. P., B.E.
Neville, A. M., M.Sc. (Eng.) Lond.
2 Lab. Assts.

Electrical Engineering

MacElwee, N. M., B.Sc. Glas. Prof., Dean of Fac.
Neale, R. D., B.E. Sr. Lectr.
Bowen, W. H., B.Sc (Eng.) Lond. Sr. Lectr.
Withers, B. T. Sr. Lectr.
Calhaem, N L., M.A. Camb. Sr. Lectr.
Stephen, K., B.Sc. Lectr.
Woodward, J L., M.A.Sc. Tor., B.E. Lectr.
1 Lab. Instr.

Mechanical Engineering

Rastrick, R. J., B.E. (Mech.) Prof.

Senior Lecturers

Hewitt, N. E., B.E. (Mech.).
Adams, H. F. T., M.A. Camb.
Burton, A., B.Sc. Eng.
Rodger, M., B.E.
Stevenson, D. C., B.E., B.Sc.

Lecturers

Newstead, W. F.
Whittle, G., B.Sc. (Eng.).
1 Lab. Instr.

Fine Arts

Lovell-Smith, C. S., Dip.F.A. Sr. Lectr., Hd. of Dept.

Senior Lecturers

Johnstone, J. A., D.A. Edin.
Doudney, E. J., F.R.B.S., F.R.S.A.
Clark, R. S.

Lecturers

Oakley, W. J., Dip.F.A.

Knight, J. N., Dip.F.A.
Sutton, W. A., Dip.F.A.
Fife, Ivy G., Dip.F.A.
Akins, Florence E., Dip.F.A.

ADMINISTRATIVE AND OTHER STAFF

Accountant: A. H. H. Martin, J.P., B.Com. Assts. to Registrar: H. B. Hewitt (academic), R. B. Atkins, M.A. (admin.). Phys. Educn. Officers: A. S. Lewis, B.A., Mrs. Betty I. Maher, B.A.

ADULT EDUCATION. *Dir.*: ..... *Tutors*: North Canterbury, B. W. Smythe, B.Com.; West Coast, H. S. Blackmore, B.A.; South Canterbury, W. Hart-Smith; Buller Mining Area, T. Muir; Metropolitan Area, G. Manning, M.A.; Drama, G. A. Worthington, B.A.; Home Science, R. T. Robins, B.H.Sc.; Arts and Crafts, L. M. Treleaven, Dip.F.A.; Music, L. G. Peach, Mus.B.

STUDENT RESIDENCES. Warden, Helen Connon Hall (Women), Dr. F. M. Harding, Ph.D. Edin., M.A.; Warden, Rolleston House (Men), D. K. Fieldhouse, M.A. Oxon; Principal, College House (Men), Very Rev. M. G. Sullivan, M.A.; Vice-Principal, College House, Rev. D. M. Taylor, M.A., B.D.; Master, College House, Rev. M. Peaston, M.A. Oxon., Ph.D. Lond.; Warden, Bishop Julius Hostel (Women), Mrs. V. Magri.

GENERAL INFORMATION

Created by Provincial Ordinance, 1873, and affiliated to the Univ. of N.Z., 1874. The first Prof. was apptd. in 1873 to fill the Chair of Chem. Value of lands, bldgs., equipment, etc., 1953: £857,600; annual Govt. subsidies and grants, 1953: £208,300.

Originally vested in a Bd. of Governors consisting of 23 members who were named and apptd. for life, the govt. of the Coll. is now in the control of the College Council, which consists of the Rector (*ex officio*), 18 members apptd. or elected, by the Governor-General (3), by Canterbury members of the 2 Houses of Parlt. (3), by Graduates of the Coll. (6), by Canterbury Sch. Teachers (3) and by members of the Canterbury Sch. Cttees. (3). In addition, there are two Council members apptd. by the Professorial Board, a member representing Lectrs. and a member representing the Students' Assocn. The term of each member is 3 yrs., with one-third of each group retiring in rotation each yr. A Professorial Council, set up in 1877 and reconstituted as the Professorial Bd. in 1896, originally included all full Lectrs. In 1925 membership was limited to Profs. and such Lectrs. as were apptd. by the Council. In 1948 the 1st appt. was made of a full-time Rector, who is the academic head of the Coll. and the permanent Chairman of the Professorial Bd.

There have been several special schools connected with the Coll. The Sch. of Art, opened in 1882, in 1950 became a Fac. of Coll. The chief special sch., that of Engin., has developed greatly since its establishment in 1890. A Sch. of Agric. was opened at Lincoln in 1880, administered by the Coll. until 1897 when it became sep. instn. as Canterbury Agric. Coll.

First permanent bldg. opened in June 1877, and erection of bldgs. continued till 1923. In 1949 the Council decided to proceed with the transfer of the Coll. to a larger site, and plans have been approved for the use of an area of about 130 acres for this purpose.

INCOME. Total income for yr. ended Dec. 31, 1953, £264,600: Govt. grants, 78 per cent., Fees, 13 per cent., Endowments, 6 per cent., Miscellaneous, 3 per cent.

FACULTIES AND DEANS. *Arts*, Dr. A. Crowther; *Comm.*, Prof. C. Weststrate; *Engin.*, Prof. N. M. MacElwee; *Law*, E. P. Wills; *Music and Fine Arts*, Prof. V. Griffiths; *Science*, Dr. W. R. Philipson; *Soc. Scis.*, Prof. H. E. Field.

LABORATORIES. Bot., Chem., Engin., Phys., Educn., Psychol., Zool.

LIBRARY. Approx. 100,000 vols. classified by Library of Congress Scheme. Available to Staff, studs., grads. and others by arrangement at nominal fee. Available also to members of Royal Soc. of N.Z., Canterbury Branch, whose library of several thousand volumes is at present merged with the C.U.C. Library. Macmillan Brown Collection, approx. 15,000 vols., specializing in the Pacific Ocean and in Anthropol. and in Ethnol. Deptml. Libraries: Engin., Chem. and several minor collections. Original "Transactions of Royal Society of London" from 1665. Printed Catalogues of Library of Congress, Brit. Museum, etc. 2 Incunabula. About 1200 periodicals. Facilities for making and using Microfilm and for other photo-copying processes. Staff: 12 full-time. Gross expenditure on books, periodicals and binding in 1953: £5955.

FACILITIES OF SPECIAL INSTITUTIONS. Canterbury Univ. Coll. Industrial Development Dept.—to handle industrial research.

ENTRANCE REQUIREMENTS. As required by the Univ. of New Zealand, *see* p. 1087.

DEGREE COURSES in Arts, Science, Law, Music, Comm., and Engin., and Certif. or Diploma Courses in Journalism, Education, Music, Industrial Chemistry, Banking and Fine Arts (*see* also p. 1087). Evening courses in Comm. and Law.

HIGHER DEGREE. Ph.D.

INCLUSIVE ANNUAL CLASS FEES. Arts, about £22; Science, about £30; Law and Commerce, about £15; Laboratory Research, £8: 8s.

NON-MEMBERS OF THE UNIVERSITY may attend classes if over 16 yrs. of age.

ACADEMIC YEAR. March to November: 3 terms of 9, 11 and 6 weeks respectively.

ADULT EDUCATION. Town and country groups in North, Mid and South Canterbury, Buller, and Westland in Social and International Studies, Fine and Practical Arts, etc.

SCHOLARSHIPS include one of £50 for one yr., open to students in their 3rd yr.; one of £50 annually, tenable for 3 yrs., to entrants; two of £25 for 2 yrs., for students not yet eligible for final section of B.A.; one of £50 for research in Science, open to graduates, renewable up to 3 yrs.; two of £150 in Engineering, open to B.E. (Elect.); one (Hartley) for women graduates, offered every third year, £200 p.a. for 3 yrs., tenable ordinarily at Oxford, Cambridge or London; Lord Rutherford Memorial Research Fellowship, offered every second yr., £400 p.a.; Sims Empire Scholp., offered every second yr., £345 p.a. There is a Students' Loan Fund of £1000 and Dr. A. F. J. Mickle Students' Loan Fund of £1700.

STUDENT RESIDENCES. Rolleston House, Worcester St., Christchurch, C.1 (*Telephone*: 79-680) (80 men); College House, Rolleston Ave., Christchurch, C.1 (*Telephone*: 79-306) (74 men); Helen Connon Hall, 1 Chester St., Christchurch, C.1 (*Telephone*: 79-651) (70 women); Bishop Julius Hostel, 10 Cranmer Sq., Christchurch, C.1 (*Telephone*: 70-997) (50 women). Fees from approx. £3: 10s. per wk. (women) to £4 (men).

STUDENTS' UNION. Students' Union Bldg., H.Q. of student activities and a " club-house " available to all students.

PUBLICATIONS. *Syllabus of Courses and Timetable* (Jan.), free. *Calendar* (Feb.), 2s. 6d. *School of Engineering Prospectus* (Feb.), free. *Canta*, 13 issues a yr., subscription 2s. 6d. *Review*, annual (Oct.). *Annual Report*; *Trans. of Coll. Engineering Soc.*, 2s. 6d.

THE YEAR 1953

ADULT EDUCATION WORK. Total enrolments, 1536.

RETIREMENTS. A. Lush (Sr. Lectr. in Mech. Engin.); B. T. W. Owen (Lectr. in Civ. Engin.).

STUDENT NUMBERS.

	Full-Time	*Part-Time* *
Men	746	933
Women	275	375
Total	1021	1308

Postgraduate students, 167.

New admissions, 527.

Students from other countries: 58 † (countries from which largest numbers came: The Netherlands, 20; Ceylon, 8; China, 7; Fiji, 7; India, 3; Austria, 3).

DEGREES AWARDED. B.A., 81; M.A., 42; B.Com., 7; M.Com., 2; B.E., 53; LL.B., 9; LL.M., 3; Mus.B., 2; B.Sc., 41; M.Sc., 22; Ph.D., 2.

DIPLOMAS AWARDED. Dip. Fine Arts, 15; Dip. Hons., 2; Dip. Mus., 1; Dip. Educn., 5; Dip. Banking, 1; Dip. Journ., 1.

* Includes 102 exempted students, *i.e.* those who, whilst studying for a degree course, are excused attendance at lectures with approval of Professorial Board.

† Approximate numbers only.

[*Information compiled as at June* 1954.]

AUCKLAND UNIVERSITY COLLEGE *

Founded 1882

Postal Address: Box No. 2553 C.P.O., Auckland, New Zealand.
Telephone: 30-350.

VISITOR—THE MINISTER OF EDUCATION.

PRESIDENT OF COUNCIL—W. H. COCKER, C.M.G., M.A., LL.B. Camb., B.A., LL.B.

VICE-PRESIDENT OF COUNCIL—G. D. ROBB, B.Sc., M.D., Ch.M., F.R.C.S., F.R.A.C.S.

PRINCIPAL—K. J. MAIDMENT, M.A. Oxon.

REGISTRAR—J. A. KIRKNESS, M.Com.

LIBRARIAN—F. A. SANDALL, B.A., F.L.A.

TEACHING STAFF

Accountancy

Holt, L. W., M.Com., F.R.A.N.Z. (Accountancy). Dean of Fac. of Commerce; Assoc. Prof., Hd of Dept.
Leys, W. C. S., M.A., LL.M. (Comml. Law). Sr. Lectr.
Johnston, T. R., LL.M., Ph.D. Camb., B.Com., F.R.A.N.Z. Lectr.

Part-time Lecturers

Horrocks, J., B.A., B.Com., F.R.A.N.Z.
Kennedy, B. A., LL.B.
Twomey, M. K., B.Com.
Strickland, G., B.Com.
Rose, J. D., B.Com.
Sinclair, B. S., B.Com.

Anthropology

Piddington, R. O., Ph.D. Lond., M.A. Syd. Prof.
Geddes, W. R., Ph.D. Lond., M.A. Sr. Lectr.
Gollon, J., M.A. Camb. Lectr.
Biggs, B. G., B.A. Jr. Lectr.
Scobie, R. A., M.A. Lond. Pt.-time Lectr.
Taylor, R. S. T., D.D.S. Pt.-time Lectr.

Architecture

Knight, C. R., B.Arch., M.A. Liv., F.R.I.B.A., F.N.Z.I.A. Dean, Fac. of Arch., Prof.
Light, A. C., B.A. Lond., F.R.I.B.A., F.R.S.A. (Design) Prof.
Crookes, S. I., Jr., B.A. Assoc. Prof.

Senior Lecturers

Toy, R. H., Ph.D. Dub., B.Arch.
Marshall, A. C., B.Arch.
Brown, V. A.
Ferriday, E. G., B.Sc. (Eng.) Birm.

Lecturers

Cutter, C. G.
Brett, M., Dip.Arch. Liv.
Middleton, P., Dip.Arch. Nott.
Neal, A. W., B.Arch.

* Associate Member of the Association of Universities of the British Commonwealth.

Porsolt, I. V., Dip.Arch.Eng. Prague.
Lawry, E. A., B.Arch.

Botany

Chapman, V. J., Ph.D. Camb. Prof.
Millener, L. H., Ph.D., M.Sc. Sr. Lectr.
Rattenbury, J. A., Ph.D. Calif., M.A. (Genetics) Lectr.
de Berg, Ruth F., M.Sc. Jr. Lectr.

Chemistry

Llewellyn, F. J., D.Sc., Ph.D. Birm., F.R.I.C., F.N.Z.I.C., F.R.S.A. Prof.
Briggs, L. H., D.Phil. Oxon., D.Sc., F.N.Z.I.C., F.R.S.N.Z. Assoc. Prof.
Bloom, H., Ph.D. Lond., M.Sc. Melb., D.I.C. Sr. Lectr.
Odell, A. L., M.Sc. Lectr.
Seelye, R. N., M.Sc. Lectr.
Maslen, H., M.Sc. Lectr.
Hall, D., M.Sc. Lectr.

Classics

Blaiklock, E. M., M.A., Litt.D. Prof.
Crawley, L. W. A., B.A. Camb., M.A. Sr. Lectr.
Harris, B. F., M.A. Oxon. Lectr.
Dellow, K. J., M.A. Pt.-time Lectr.

Economics

Simkin, C. G. F., D.Phil. Oxon., M.A., Dip.Soc.Sc. Prof.
Rodwell, H. R., M.A., Dip.Soc.Sc. Assoc. Prof.
Bieda, K., M.A. Aberd. Lectr.
Bergstrom, A. R., M.Com. Jr. Lectr.

Education

Winterbourn, R., Ph.D. Lond., M.A.
Dean, Fac. of Educn., Prof.

Cumming, I., Ph.D. Lond., B.A., M.Ed. Melb. Sr. Lectr.
Hare, W. B., M.A., Dip.Ed. Lectr.
Rogers, C. A., Ph.D. Lond., B.Ed. Melb., M.A., Dip.Ed. Lectr.
Minogue, W. J. D., Ph.D. Ohio State, M.A. Lectr.

Engineering

Dalton, G. C. J., D.Phil. Oxon., B.E. (Civil), B.Sc.
Dean, Fac. of Engin., Prof., Mech. Engin.
Mowbray, N. A., B.E. (Civil) Prof., Civil Engin.
Bogle, A. G., B.E. (Elect. Mech.), D.Phil. Oxon. Prof., Elect. Engin.

Senior Lecturers

Dawson, C. (Elect. E.).
De Bray, B. P. G., M.Sc. Lond. (Aeronaut E.).
Thomass, L. H., B.Sc. Lond., B.E. (Civ.) (Civ. E.).
Glover, J. H., B.Sc. Lond (Mech. E.).
McMullen, J. J., B.Sc. Lond. (Elect. E.).

Lecturers

McLaren, E. J. R (Civ. E.).
Wallace, H. E., B.E., M.Sc. (Civ. E.).
Taylor, P. W., B.Sc., B.E. (Civ. E.).
Jebson, W. N. (Mech. E.).
Titchener, A. L., B.E. (Mining), B.Sc., B.E. (Mech.) (Mech. E.).
Burton, C. M (Mech E.) Jr. Lectr.

English Language and Lit.

Musgrove, S., M.A., D.Phil. Oxon. Prof.
Sheppard, Elizabeth A., M.A., Ph.D. Lond. Sr. Lectr.
Joseph, M. K., B.A., B.Litt. Oxon. (on leave) Sr. Lectr.
Pearson, W. H., Ph.D. Lond., M.A. Sr. Lectr.
Reid, J. C., M.A. Lectr.

Curnow, T. A. M., B.A. Lectr.
Walton, J. K., M.A., B.Litt. Dub. Lectr.
Crawford, T., M.A. Edin., M.A. Temp. Jr. Lectr.

Fine Arts

Fisher, A. J. C. Dir.
Kavanagh, J. F., F.R.B.S. (Sculpture) Sr. Lectr.

Lecturers

Turkington, J. (Design).
Eise, Ida G. (Painting).
McLaren, A. W. S. (Painting and Figure Drawing).
White, Anna L. (Painting and Figure Composition).
Fairburn, A. R. D. (Hist. of Art.).
Nicholson, W. M. (Painting).

Geography

Cumberland, K. B., M.A. Lond., D.Sc. Prof.
Fox, J. W., B.A. Lond. Lectr.
Curry, L., M A. Johns H., B.A. Durh. Lectr.
Farrell, B. H., M.A. Wash., B.A. Jr. Lectr.
Brockie, W. J., M.A. Edin. Jr. Lectr.
Cameron, S. S., B Sc. Jr. Lectr.

Geology

Lillie, A. R., M.A. Camb., D. ès Sc. Geneva Dean, Fac. of Sci., Prof.
Laws, C. R., D.Sc , F.R.S.N.Z. Sr. Lectr.
Brothers, R. N., Ph.D. Lond., M.Sc. Lectr.
Searle, E. J., M Sc. Demr.

Hebrew

Hames, E. W., M.A. Lectr.

History

Rutherford, J., M.A. Durh., Ph.D. Mich. Prof.
Airey, W. T. G., B.A. Oxon , M.A. Assoc. Prof.
Sinclair, K., M.A. Sr. Lectr.
Chapman, R. M., M.A. Lectr.
Fraser, E. M., B.A. Camb., M.A. Lectr.
Herron, D. G., M.A. Temp. Lectr.
Parnaby, O. W., D.Phil. Oxon., B.A. Melb. Lectr.
Wilson, T. G., M.A. Jr. Lectr.

Journalism

Burton, E. A., Dip.Journ. Lectr.

Law

Davis, A. G , LL.D. Lond., LL.B. Dean, Fac. of Law, Prof.
Northey, J. F., D.Jur. Tor., B.A., LL.M. Prof.

Part-time Lecturers

Vautier, M. H., LL.M.
Henderson, E. W., LL.M.
Speight, G. D., LL.B.
Rosen, H., LL.M.
Chilwell, M. F., LL.M.

Mathematics

Forder, H. G., M.A. Camb., F.R.S.N.Z. Prof.
Hookings, G. A., M.Sc. Camb., M.Sc. Sr. Lectr.
Segedin, C. M., Ph.D. Camb., M.Sc. Sr. Lectr.
Haight, F. A., B.A., M.Sc. Iowa Sr. Lectr.
Segedin, M. G., M.Sc. Lectr.
Strack, S. L., B.Sc., M.A. Yale, Ph.D. Brown Lectr.

Medicine

..... Prof.
Carey, H. M., M.Sc., M.B., B.S., D.G.O. Syd., F.R.C.S.Ed. Lectr. and Asst. to Prof.

Modern Languages

Keys, A. C., D.U.P., M.A. Prof.
West, A. W. H., D.U.P., M.A. Sr. Lectr.
Asher, J. A., Ph.D. Basle, M.A. Sr. Lectr.
Bennetton, N. A., M.A. S. Calif., Ph.D. Johns H. Lectr.

Music

Hollinrake, H., M.A., Mus.Bac. Camb.
Dean, Fac. of Music, Prof.
Nalden, C., Mus.B. Durh., Mus.D. Lond. Sr. Lectr.
Rive, T. N., Mus.Bac. Lectr.

Philosophy

Anderson, W., M.A. Glas. Prof.
Anschutz, R. P., Ph.D. Edin., M.A.
Dean, Fac. of Arts., Assoc. Prof.
Pflaum, K. B., M.A. St. And., B.Litt. Oxon. Sr. Lectr.
Walters, R. H., B.Phil. Oxon., M.A., Dip.Ed. Brist. Lectr.
Nixon, A. J., M.A. Lectr.
Becroft, P. B , M.A., Ph.D. Calif. Temp. Jr. Lectr.

Physics

Burbidge, P. W., B.A. Camb., M.Sc. Prof.
Brown, D., Ph.D. Brist. Assoc. Prof.
Kreielsheimer, K. S., D.Ing. Darmstadt, F.I.P. Assoc. Prof.
Sagar, F. H., M.Sc. Sr. Lectr.
Farley, F. J., Ph.D., M.A. Camb. Sr. Lectr.
Mawson, D. G., M.Sc Lectr
Earnshaw, J. B., B.Sc. Manc. Temp. Jr. Lectr.
Wright, D. J., B.Sc. Lond , Ph.D. Nott. Jr. Lectr.
Dudding, E. L., B.Sc. Jr. Lectr.
Storey, J. R., M.Sc. Jr. Lectr.
Whale, A. H., M.Sc., Ph.D. Camb. Res. Fellow.

Zoology

McGregor, W. R., B Sc. Hd. of Dept., Assoc. Prof.
Laidlaw, W. B. R., D.Sc. Aberd., B.Sc.For. Edin. Lectr.
Pendergrast, J. G., M.Sc. Lectr.
Packard, A , B Sc. Oxon. Lectr.

Adult Education

Morrison, S. R., M.A. Dir.

Tutor Organizers

McMillan, Sheila G., B.H.Sc., Dip Ed.
Rutherford, D. W., M.A.
Bell, C. A., M.A., Dip.Ed.
Baigent, H. V., B.A. (on leave).
Johnstone, G. C., M.A., Dip.Ed.
Winiata, M., M.A., Dip.Ed. (on leave).
Inman, Margaret M.
Dellow, R. G., Mus.Bac.
Fausett, Vera M.
Bedggood, L. R., M.A., B.Sc., Dip.Ed.
te Hau, M., B.A.
Roy, W. T., M.A. Luck

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar: G. G. Turbott, B.A., B.Com. Accountant: Kathleen Alison, B.Com. Physical Education Officer: S. R. Brown, Dip.Phys.Ed. Liaison Officer: K. S. Turtill, M.A.

GENERAL INFORMATION

Established by Act of the N.Z. Legislature in 1882, the College was affiliated to the Univ. of N.Z. in 1883. It received in 1885 an endowment of 30,000 acres of land, of which one-third was sold in 1915 for £10,246. During 1938 it received grants from the Govt. totalling £25,200.

Of the 17 members of the College Council 3 are appointed by the Governor, 2 by the Prof. Board, 1 by local bodies, 4 are elected by the graduates, 3 by the Auckland members of the General Assembly, 1 by the Education Bd., 1 by

Lecturers of the Coll. and 1 by Students. The Principal is also a member of Council.

Three of the special schools are at a distance from the main bldgs.—Sch. of Engin. at Ardmore, 20 miles south of Auckland (*Telephone*: 340 Papakura), Sch. of Archit. in Symonds St., Auckland (*Telephone*: 42-746), and Sch. of Fine Arts also in Symonds St. (*Telephone*: 41-271).

The College Hostel, "O'Rorke Hall," at 43 Symonds Street, Auckland, can accommodate approx. 124 students (49 women and 75 men in 1954). Resident Warden: L. W. A. Crawley (*Telephone*: 45-562).

ADMISSION. *See* p. 1087.

COURSES are provided for the degrees of the Univ. in Arts, Science, Archit., Law, Music, Commerce and Engin., and for the Diplomas of Journalism, Fine Arts, Educn., Music, Archit. and Urban Valuation.

FEES. The approx. inclusive fees are as follows: Arts, £50; Science, £68; Law, £80; Commerce, £50; Architecture, £112; Music, £32; Engineering, £123; Fine Arts, £80.

FACULTIES AND DEANS. *Archit.*, Prof. C. R. Knight; *Arts*, Assoc. Prof. R. P. Anschutz; *Commerce*: Assoc. Prof. L. W. Holt; *Educn.*, Prof. R. Winterbourn; *Engin.*, Prof. G. C. J. Dalton; *Law*, Prof. A. G. Davis; *Music*, Prof. H. Hollinrake; *Sci.*, Prof. A. R. Lillie.

PUBLICATION. *Calendar* (Feb.), 1s.; (full *Calendar*, including hist. of Coll. every 5 yrs.; last published 1951).

THE YEAR 1953

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	865	1596
Women	271	504
Total	1136	2100

Extra-Mural students, 354.

Postgraduate students, 358.

New admissions: 509 men, 242 women.

Students from other countries: 13 men students under the Colombo Plan from Federation of Malaya.

DEGREES. Ph.D., 3; M.A., 44; B.A., 128; LL.M., 3; LL.B., 16; D.Sc., 2; M.Sc., 19; B.Sc., 45; M.Com., 1; B.Com., 21; Mus.B., 4; B.Arch., 12; B.E. (Hons.), 4; B.E., 23. *Total number of first degrees awarded*, 241.

DIPLOMAS. Dip.Ed., 17; Dip.Arch., 8; Dip.Mus., 2; Dip.Journ., 2; Dip.Bank., 2; Dip.Urb.Val., 6; Dip. Fine Arts (Hons.), 1; Dip. Fine Arts, 9.

[*Information compiled as at* 31/5/54.]

VICTORIA UNIVERSITY COLLEGE *

Founded 1897

Postal Address: P.O. Box 196, Wellington, C.1, New Zealand.
Telephone: 46-046.

VISITOR—THE MINISTER OF EDUCATION.
CHAIRMAN OF COUNCIL—T. D. M. STOUT, C.B.E., D.S.O., Ch.M., F.R.C.S.
PRINCIPAL—J. WILLIAMS, LL.M. N.Z., Ph D., Hon. LL.D. Camb.
REGISTRAR—L. O. DESBOROUGH, B.Com.
LIBRARIAN—H. G. MILLER, M.A.

TEACHING STAFF

Accountancy

Rodger, W. G., J.P., B.Com., F.I.A.N.Z., F.C.I.S. (Accounting III and Auditing)
Dean of Fac. of Commerce, Hd. of Dept.

Part-time Lecturers

Tayler, D. de P., B.Com. (Accounting I and II).
Burton, R. C. C., LL.M. (Commercial Law I and II).
Edgar, R., F.C.I.S. (Secretarial Law and Practice).
O'Flynn, F. D., B.A., LL.M. (Trustee Law).

Botany

Gordon, H. D., B.Sc., Ph.D. Edin. Prof.
Gibbs, J. G., Ph.D. Minn., M.Agr. Sr. Lectr.
Robbins, R. G., M.Sc. Jr. Lectr.
Sussex, I. M., Ph.D. Manc., M.Sc. Jr. Lectr.

Chemistry

Slater, S. N., D.Phil. Oxon., M.Sc., F.R.I.C. Prof.
Monro, A. D., M.Sc. Assoc. Prof.
Metcalf, W. S., D.Phil. Oxon., M.Sc., Mus.B. Sr. Lectr.
Harvey, W. E., Ph.D. Camb., M.Sc Lectr.
Dasent, W. E , M.Sc. Lectr.
Turney, T. A., M.Sc. Jr. Lectr.

Classics

Murray, H. A , M.A. Aberd., B.A. Camb. Prof.
Kalfas, Denise D. H., M.A. Syd. and Oxon., Dip Class.Arch. Sr. Lectr.
Quinn, K. F., B.A. Camb. and N.Z. Lectr.
Carney, T. F., B.A. Lond. Lectr.

Economics

Belshaw, H., Ph.D. Camb., M.A.
Dean, Fac. of Comm., Prof.
Shearer, J. O., M.A. Sr. Lectr.
Holmes, F. W., M.A. Lectr.

Education

Bailey, C. L., M.A., Dip.Ed. Prof.

* Associate Member of the Association of Universities of the British Commonwealth.

Fieldhouse, A. E., Ph.D. Lond., M.A., Dip.Ed. Sr. Lectr.
Somerset, H. C. D., M.A. Sr. Lectr.
Odell, Betty F., M.A., Dip.Ed. Jr. Lectr.

English Language and Literature

Gordon, I. A., M.A., Ph.D. Edin., LL.D. Brist. Prof.
Cochran, A. B., M.A. Oxon. and N.Z. Sr. Lectr.
Stevens, Joan, M.A. Oxon. and N.Z. Sr. Lectr.
Bertram, J. M., M.A. Oxon. and N.Z. Sr. Lectr.
Culliford, S. G., D.S.O., Ph.D. Lond., M.A. Lectr.
Gray, D., M.A. Jr. Lectr
Orr, Mrs. Elizabeth, M.A. Jr Lectr.

Geography

Buchanan, K. M., B.A. Birm. Prof.
McKenzie, D. W., M.Sc. (on leave) Sr. Lectr.
Franklin, S. H., B.Com. Birm. Jr. Lectr.

Geology

Clark, R. H , Ph.D. Edin., M.Sc., F.G.S. Prof.
Bradley, J., M.Sc., Dip.Ed. Durh. Sr. Lectr.
Te Punga, M. T., M.Sc. (on leave) Lectr.

History

Wood, F. L. W., M.A. Oxon., B.A. Syd. Prof.
Beaglehole, J. C., Ph.D. Lond., M.A. (Colonial H.) Res. Fellow and Lectr.
Munz, P., Ph.D. Camb., M.A. Sr. Lectr.
West, F. J., B.A. Leeds, Ph. D. Lond. Sr. Lectr
Boyd, Mrs. Mary B., M.A. Jr. Lectr.
Turnbull, M. R. M., M.A. Jr. Lectr.

Law, English and N.Z.

Campbell, I. D., LL.M. Dean of Fac. of Law, Prof.
Barton, G. P., Ph.D. Camb., LL.M., B.A. Sr. Lectr.

Part-time Lecturers

Smith, W. S., LL.B. (Company Law & Bankruptcy).
McIlroy, D. G., LL.B. (Procedure).
Papps, L. M., LL.M. (Evidence).

Law, Roman, etc.

Aikman, C C., Ph.D. Lond., LL.M. Prof.
Braybrooke, E. K., LL.M. Col. and N.Z. Sr. Lectr.

Mathematics

Campbell, J. T., Ph.D. Edin., M.A. Dean of Fac. of Arts, Prof.
Seelye, C. J., Ph.D. Edin., M.Sc. Sr. Lectr.
Burns, J. C., B.A. Camb., Ph.D. Manc., M.Sc. Sr. Lectr.
Patterson, D., M.A., M.Sc. Lectr.
Harvie, D. C., M.Sc. Jr. Lectr.

Modern Languages

Mackenzie, F., M.A., N.Z. and Birm., D. ès L. Paris. Prof.
Huntington, Frances M., M.A. Sr. Lectr.
Carrad, D. B., M.A. Oxon. Sr. Lectr.
Padovan, R., L.D. Padua Sr. Lectr.
Danilow, N., Ph.D., Dr.jur. Vienna, M.A. Pt.-time Lectr.

Music

Page, F. J., Mus.B. Sr. Lectr.
Lilburn, D. G. (on leave) Lectr.
Farquhar, D., B.A. Camb., B.A., Mus.B. Jr. Lectr.

Philosophy

Hughes, Rev. G. E., M.A. Glas. Prof.

Hudson, H., M.A. Sr. Lectr.
Hinton, J. M., M.A. St. And. Lectr.
Hutchings, P. A., M.A. Jr. Lectr.

Physics

Watson-Munro, C. N., O.B.E., M.Sc. Dean of Fac. of Sci., Prof.
Peddie, G. A., M.A. Assoc. Prof.
Ryder, N. V., M.Sc. Sr. Lectr.
Rogers, G. L., M.A., Ph.D. Camb. Sr. Lectr.
Collings, E. W., M.Sc. Jr. Lectr
Humphrey, R. W., M.Sc. Jr. Lectr.
Gordon, C. J., M.Sc.

Political Science and Public Administration, School of

..... Prof.
Scott, K. J., M.A., LL.B., D.P.A. Sr. Lectr.
Angus, N. C, M.Com., Dip.Pub. Admin. Sr. Lectr.
Brookes, R. H., B.Sc. (Econ.) Lond. Sr. Lectr.

Psychology

Beaglehole, E., Ph.D., Lit.D. Lond., M.A., F.R.S.N.Z. Prof.
Adcock, C. J., Ph.D. Lond., M.A. (on leave). Sr. Lectr.
Congalton, A. A., M.A., Dip.Ed. Lectr.
Ritchie, J. E., B.A. Jr. Lectr.
Donald, Mrs. Marjorie N., M.A. Jr. Lectr.

Social Science, School of

Minn, W. G., M.A. Camb. Prof.-in-charge.
..... Sr. Lectr.
McCreary, J. R., M.A. (on leave). Lectr.

Zoology and Biology

Richardson, L. R., Ph.D., M.Sc. McG. Prof.
Fell, H. B., Ph.D. Edin., M.Sc. Sr. Lectr.
Salmon, J. T., D.Sc., F.R.E.S. (Biol.) Sr. Lectr.
Ralph, Patricia M., M.Sc. Lectr.
Laird, M., Ph.D., M.Sc. Hon. Lectr.
Dawbin, W. H. I., M.Sc. Lectr.
Garrick, J. A. F., M.Sc. Jr. Lectr.

Adult Education

Hely, A. S., M.A., B.Com. Dir.

Tutor Organizers

Nixon, M. A., M.A.
Cook, W. C., M.Com., B A.
Grey, A., M.A., Dip.Ed.
Cave, L. M. H., M.A.
Haig, N. T., B.A. (Jr. T.O.).
Easterbrook-Smith, W. H. B., B.A. (Jr. T.O.).
Wemyss, Pamela (Arts and Crafts, Jr.).
Stocker, Kate H. (Drama).
Hitchon, Betsy, Dip.H.Sc. (Home Sci.).
Thomson, Vivienne, Dip.H.Sc. (Home Sci., Jr.).
Thomson, Nan F., B.H.Sc. (Home Sci., Jr.).
Ince, Joan.
Martin, Nancy (Music).

ADMINISTRATIVE AND OTHER STAFF

Liaison Officer: (on leave) R. Hogg, M.A. Phys. Educn. Instr.: W. H. Landreth. Warden, Weir House: G. S. Orr, LL.M., B.A.

GENERAL INFORMATION

Established by Act of the N.Z. Legislature, 1897, and affiliated to the Univ. of N.Z., 1899. Endowed by Government with 4000 acres. College buildings, towards which Govt. gave £31,000, were opened in 1906; additional

wings for Library, etc., and for Physics erected 1921–22 at a cost of £50,000; Administrative Block opened in 1939. Annual grant, 1952, £148,800.

ADMISSION. *See* p. 1087.

FULL DEGREE COURSES are provided in Arts, Science, Law and Commerce (*see* p. 1087), and the earlier stages in other Faculties.

FEES. Arts (3 yrs.) about £55 (M.A., £9 : 9s. additional); Science (3-4 yrs.) about £70 (M.Sc., £12 : 12s. additional); Law (4-5 yrs.) about £85; Commerce (4 yrs.) about £60. The exact fees for the courses vary in accordance with the choice of subjects.

FACULTIES AND DEANS. *Arts*, Prof. J. T. Campbell; *Commerce*, W. G. Rodger; *Law*, Prof. I. D. Campbell; *Science*, Prof. C. N. Watson-Munro.

RESEARCH SCHOLARSHIPS. Univ. Research Scholps.: 2 scholps. of £200 p.a. for 2 yrs., for postgraduate work to undertake original research.

RESIDENCE. Weir House, Salamanca Rd., Kelburn, provides accomm. for about 95 men students. Fees, £3 : 17s. 6d. per wk. (*Telephone* (students): 45-012.)

PUBLICATIONS. *Calendar*, 3s. (Dec.); *Spike* (students' magazine), published towards end of each session.

THE YEAR 1953

VISIT BY MEMBER OF STAFF FROM OTHER UNIVERSITY. Sir John Stopford, Vice-Chanc. of the Univ. of Manc.

RETIREMENTS. Prof. Boyd-Wilson; Dr. H. G. Heine; Prof. C. A. Cotton.

RESIGNATIONS. Prof. D. C. Marsh, apptd. to Chair of Social Sci., Univ. of Nott.; Prof. R. S. Parker, apptd. to Readership, A.N.U., Canberra; Dr. J. F. Kahn.

DEATHS. Prof. R. O. McGechan; W. F. Monk; W. J. Mountjoy.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	488	1175
Women	189	334
Total	677	1509

Postgraduate students, 287.

New admissions, 584.

Students from other countries, 24. (Countries from which largest numbers came: Fiji, 14; U.S.A., 7; Federation of Malaya, 2.)

DEGREES (May 1953). B.A., 89; M.A., 32; LL.B., 22; LL.M., 1; B.Sc., 42; M.Sc., 21; B.Com., 22; M.Com., 1; Mus.B., 1.

DIPLOMAS. Dip.Ed., 4; Dip.Pub.Adm., 9; Dip.Soc.Sci., 8.

[*Information compiled as at 9/7/54.*]

CANTERBURY AGRICULTURAL COLLEGE*

Founded 1873

Postal Address: Lincoln College, New Zealand.
Telephone: Christchurch 898 Ext. 7573.

VISITOR—THE MINISTER OF EDUCATION
DIRECTOR—M. M. BURNS, M.Sc., Ph.D. Aberd., F.N.Z.I.C.
ASST. DIRECTOR—J. W. CALDER, B.Agr., M.Sc., Dip.C.A.C.
REGISTRAR AND TREASURER—H. G. HUNT, B.Com.
LIBRARIAN—D. R. MUFF.

TEACHING AND RESEARCH STAFF

Agricultural Economics
Weston, I. W., M Sc., Ph.D. Lectr.

Agricultural Law
Wills, E. P., B.A., LL.M., M.Com. Pt.-time Lectr.

Animal Husbandry
Coop, I. E., D.Phil. Oxon., M.Sc. (Animal H.) Prof.
Stevens, P. G., Dip.C.A C. Sr. Lectr.
Hart, D. S., M.A. (Agric.) Camb. Sr. Lectr.
Hollard, M. G., M.Agr.Sc. Lectr.
Anderson, C. M., B.Sc. Chemist.
Clark, V. R. Res. Officer.

Engineering
Riddolls, A. W., B.E., B.Sc. Hd. of Dept., Sr. Lectr.
Lindsay, G. G., B.Sc.(Agr.) R'dg. Lectr.
Baird, W. C. Sr. Instr.
Frazer, R. Instr.
King, D. L. Res. Officer.

Entomology
Morrison, L., B.Sc. (Agr.) Aberd. Hd. of Dept., Sr. Lectr.
Doull, K. M., M.Agr.Sc. Lectr.

Farm Management
Flay, A. H, B.Sc, M.Agr.Sc., Dip.C.A.C. Assoc. Prof.
Garrett, H. E., B.Litt. Oxon., B.A., M.Agr.Sc. Sr. Lectr.
Cooke, M. B., Cert.Agr., Dip. C.A.C. Sr. Lectr.
Stewart, J. D., B.A., Dip V.F.M. Lectr.

Field Officers
Marshall, J. G.
Cosgriff, P. W., B.Agr.Sc.

Field Husbandry
Calder, J. W., B.Agr., M.Sc., Dip.C.A.C. Assoc. Prof.
Iversen, C. E., M.Agr.Sc., Dip. C.A.C. (on leave). Sr. Lectr.
Veale, J. A., M.Sc. (on leave) Lectr.
Copp, L. G. L. Pt.-time Lectr.
Esler, A. E., B.Agr.Sc. Pt.-time Lectr.

* Associate Member of the Association of Universities of the British Commonwealth.

Horticulture

McElroy, L. F. Sr. Lectr.
Glazebrook, J. H., B.Sc. (Hort.) R'dg. Lectr.
Bulman, R. S. Instr. and Hd. Gardener.

Microbiology

Blair, I. D., Ph.D. Lond., M.Agr.Sc. Hd. of Dept., Sr. Lectr.
Mulcock, A. P., M.Sc. Asst. Lectr.

Rural Education

McCaskill, L. W., M.Agr.Sc., Dip. C.A.C. Assoc. Prof.
Lang, Miss M. P , B.Sc. (Dairying) R'dg. Asst Lectr.
Blackmore, R. C. Visual Aids Officer.

Soils Science

Walker, T. W., B.Sc., Ph.D. Lond., D.I.C. Prof.
Orchiston, H. D., M.Sc. Lectr.
Elphick, B. L., B.Sc. Lond. Res. Officer.
Adams, A. F. R., M.Sc. Res. Officer.

Veterinary Science

McLean, J. W., M.Agr.Sc., B.V.Sc. Syd., Ph.D. Calif. Assoc. Prof.
Thomson, G. G., B.Sc. (Vet. Sc.) Edin. Sr. Lectr.
Kyle, Miss A. S., B.V.Sc. Syd (on leave) Lectr.

Wool

Henderson, A. E., B.Agr.Sc., Ph.D. Lond. Sr. Lectr.
Simpson, J. C. Instr.

ADMINISTRATIVE AND OTHER STAFF

Accountant: H. J. Walker. Farm Supt.: J. H. Oldfield, Dip.V.F.M., Dip.C.A.C. Farm Manager, Ashley Dene Farm: A. G. Barwell, Dip.C.A.C., Dip.V.F.M. Poultry Unit Manager: J. L. Stark. Matron: Miss E. A. Lilburne. Warden: J. D. Mackay, M.B.E., B.A., B.Sc.

GENERAL INFORMATION

In 1872 the Provincial Council of Canterbury set aside certain lands for the endowment of higher education, including provision for a school of agriculture. Land suitable for the activities of such a school was bought at Lincoln in 1877 by the Canterbury College Board, which was administering the endowments, and Lincoln Agricultural College was opened in 1880. By the Canterbury Agricultural College Act, 1896, control of Lincoln Agricultural College was removed from the Canterbury College Board and vested in a separate Board of Governors, the College thenceforth being known as Canterbury Agricultural College. In 1913 a University Degree in Agriculture was instituted and the College was recognized as a School of Agriculture by the University of New Zealand. A series of amending Acts were passed between 1922 and 1927, and by legislation passed in the latter year the College became a College of the University.

CONSTITUTION. The Canterbury Agricultural College Act, 1930, with subsequent amendments, constitutes the present authority of the College. It is governed by a Board of Governors, whose members are elected as follows: 1 by Governor-General of N.Z., 3 by Canterbury Members of the House of Representatives, 2 by Council of Canterbury University College, 1 by Council of University of Otago, 1 by South Island Agricultural and Pastoral Assocns.,

3 by South Island Federated Farmers of N.Z., 3 by grads., 1 by staff, and the Principal.

INCOME. 1953—total £166,150 (Grant, 48 per cent.; Fees and donations, 3 per cent.; Endowments, 2 per cent.; Trading, 47 per cent.).

GEOGRAPHICAL LOCATION. The College is situated near township of Lincoln and about 13 miles south-west of Christchurch, South Island.

FARMS. College Farm of 1260 acres, Ashley Dene Farm of 880 acres, situated approx. 8 miles away from Coll. farm.

LIBRARY. 4000 volumes.

LABORATORIES. Biology, Chemistry, Engineering, Soils, etc.

CROP RESEARCH DIVISION of Department of Scientific and Industrial Research is located on the College farm.

RESEARCH. Investigations are proceeding on wheat and other cereal crops, grasses and pasture plants, soils and manures, animal nutrition and disease, farm economics, wool production, agricultural engineering and plant diseases.

ADMISSION. *See* p. 1087. Non-members of the University may be admitted to the Diploma Courses.

COURSES AND FEES. Degree Course (B.Agr.Sc.), 4 yrs.—lectures £22 : 10s. p.a. Board, £4 : 2s. 6d. per week for academic year of approx. 30 weeks. Diploma of Agriculture Course (Dip.C.A.C.), 2 yrs., £164 p.a. including board and tuition. Diploma of Valuation and Farm Management Course (Dip. V.F.M.), 1-yr. postgraduate course, £22 : 10s. tuition. Eight Months' Intensive Course, £22 : 10s. tuition. Horticultural Course, 2 yrs., £164 p.a. including board and tuition. Woolclassing Course, 12 weeks, £12 tuition. Special Courses for Third-year Training College Students in Agriculture, and for Soil Conservators. Various Short Courses in agricultural and horticultural subjects; tuition, £1 per week.

PUBLICATIONS. Monthly Rural Education *Bulletin*; *Annual Review*; Chamber of Commerce *Bulletin*.

THE YEAR 1953

NEW BUILDINGS. Memorial Hall erected as National Memorial to members of N.Z. Young Farmers' Clubs who died in second World War; Hudson Hall residential block, Implement Instruction room and Engin. Lab. and Implement Shed, Maintenance Workshops. Refectory, Boiler House and Laundry under construction.

EXTRA-MURAL WORK. 115 lectures given by staff members at other Colls. and to outside organizations; Farm Schools conducted by Dept. of Agric. and Farmers' Field Days. General Field Days attended by 1970. In addition, special Field Days carried out for 49 organized groups totalling 2271 persons. Conferences held at Coll.: Lincoln Coll. Farmers' Conference 1953; Conference of South Island Wool Brokers.

RESIGNATIONS. G. H. McEwen, Accountant, to partnership Public Accountants. B. G. Broadhead, Asst. Lectr. in Rural Educn., to Broadcasting Service. I. M. Eva, Field Officer, Farm Advisory Service, to Canterbury Seed Co. C. H. Haywood, Farm Manager, Ashley Dene, to farming.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	181	307
Women	2	78
Total	183	385

Postgraduate students, 9.

New admissions, 100.

Students from other countries : 13. (Countries from which largest numbers came : Australia, 6 ; U.K., 3 ; Federation of Malaya, 3 ; U.S.A., 1.)

DEGREES AWARDED. M.Ag.Sc., 4 ; B.Ag.Sc., 16.

DIPLOMAS AWARDED. Dip.V.F.M., 13 ; Dip.Agr., 19, Dip.Hort., 3.

[*Information compiled as at* 28/5/54.]

MASSEY AGRICULTURAL COLLEGE

Founded 1926

Postal Address: Massey College P.O., Palmerston North, New Zealand.
Telephone: Palmerston North 7940.

VISITOR—THE MINISTER OF EDUCATION.

CHAIRMAN OF COUNCIL—W. V. DYER, O.B.E.

PRINCIPAL—G. S. PEREN, C.B.E., C.G., B.S.A. Tor.

VICE-PRINCIPAL—W. RIDDET, C.B.E., B.Sc. (Agric.) Glas., F.R.S.A.

REGISTRAR—C. C. YATES, F.R.A.N.Z.

LIBRARIAN—MARY G. CAMPBELL, M.A. Edin.

TEACHING AND RESEARCH STAFF

Agr. Biochemistry

Barnicoat, C. R., M.Sc., Ph.D. Minn., F.R.I.C., F.N.Z.I.C. Hd. of Dept., Assoc. Prof.
McGillivray, W. A., M.Sc., Ph.D., F.N.Z.I.C. Sr. Lectr.
Quin, Sybil E. Demr.

Agr. Botany

Yeates, J. S., Ph.D. Camb. and N.Z., M.Sc. Hd. of Dept.
Campbell, Ella O., M.A. Lectr.
Carnahan, J. A., M.Sc. Jr. Lectr.

Agr. Economics

Low, H. B., M.A., Ph.D. Lond. Hd. of Dept.
Braae, G. P., M.Com. Jr. Lectr.

Agr. Engineering

McGregor, A. A. D., B.E., M.Sc. Hd. of Dept.
Dickson, A. J. Instr.
McKay, I. R. Instr.

Agr. Zoology

Tetley, J. H., D.Sc., M Agr Sc., F.R.S.A. Hd. of Dept., Assoc. Prof.

Animal Genetics

Dry, F. W., D.Sc. Leeds Hd. of Dept., Assoc. Prof.

Dairy Husbandry

Campbell, I. L., Ph.D. Missouri, B.Agr.Sc. Prof.
Hodgson, J. N., B.Agr.Sc. Sr. Lectr.
Green, S. L., M.Agr.Sc. Sr. Lectr.
Nalson, J. S., B.Sc. (Agric.) Leeds Lectr.
Dunkin, A. C., B.Sc. (Agric.) R'dg. Lectr.

Dairy Manufactures

Singleton, J. A., B.Sc., B.Agr.Sc.* Sr. Lectr.
Henson, J. H., B.Agr.Sc. Lectr.
Harkness, W. L., Dip.Dy. Lectr.
Le Heron, B. S., Dip.Dy. Lectr.

* Joint member of the staffs of the College and Dairy Research Institute.

Dairy Technology

Ward, J. W. Sr. Lectr.

Horticulture

Hockey, K. C. Hd. of Dept.
Richards, M., B.Sc. (Hort.) Nott. Lectr.
O'Brien, Margaret Instr.

Microbiology

Sargent, J. D., M.Sc. Hd. of Dept.
Wenham, H. T., M.Sc. Lectr.
Cox, G. A., M.Sc.* Lectr.

Poultry Husbandry

Kissling, J. H. Lectr. and Mgr.

Sheep Husbandry and Wool Classing

Rae, A. L., M.Agr.Sc., Ph.D. Iowa Prof.
Watt, K. D. Sr. Lectr.
Barton, R. A. Dip.Ag. Sr. Lectr.
Raeside, J. I., B.Sc. (Agric.) Glas., M.S. Missouri. Sr. Lectr.
Small, E. Lectr.
Watson, N. Lectr.
Wilson, G. S. Asst.
Meek, T. A., Dip.Wool. Instr.

Soils and Field Husbandry

Hudson, A. W., B.Agr., B.Sc. Prof.
Jacques, W. A., B.Sc. Wales (Field Husb.) Sr. Lectr.
Robinson, G. S., B.Agr.Sc. (Field Husb.) Sr. Lectr.
Schwass, R. H., B.Agr.Sc. (Field Husb.) Lectr.
Cross, M. W. (Farm Machinery) Lectr.
Fife, C. V., M.Sc. (Soils and Manures) Sr. Lectr.
Hopewell, H. G., M.Agr.Sc. (Soils and Manures) Lectr.
Hogg, J. B., B.Sc., B.Agric. (Soils and Manures) Lectr.
Bowler, D. G. Dip.Ag. Drainage Advisory Officer.

Veterinary Pathology and Animal Physiology

Webster, W. M., B.Sc. Edin. Hd. of Dept.
Newhook, J. C. Sr. Lectr.
Reynolds, B. A. Lectr.
Penketh, C. E. Technologist.

ADMINISTRATIVE AND OTHER STAFF

Accountant: R. L. McEwen, B.Com. Wardens of Students' Residences: G. S. Wilson; H. T. Wenham; Mrs. D. Richardson. Sheep Farm Supervisor: W. R. R. Hewitt. Dairy Farm Supervisor: S. L. Green, M.Agr.Sc.

GENERAL INFORMATION

The College was estabId. under the New Zealand Agricultural College Act in Sept. 1926 as the result of an agreement between Victoria Univ. Coll., Wellington, and Auckland Univ. Coll. to amalgamate their respective Schools of Agric. and to establish the new Coll. in the Palmerston North-Marton area. On July 29, 1927, an amending statute, the Massey Agricultural College Act, was passed, and the Coll. estabId. under its present title. A further amending and consolidating Act, the Massey Agricultural College Act, 1952, was subsequently passed.

The College is financed mainly by Govt. grant. It is governed by a Council of 13, whose members are elected as follows: 4 by Governor-General, 2 by Council of Auckland Univ. Coll., 2 by Council of Victoria Univ. Coll., 1 by Palmerston North City Council, 1 by grads., 1 by holders of dipls., 1 by profs. and lectrs., and the Principal.

* Joint member of the staffs of the College and Dairy Research Institute.

LIBRARY. 14,000 vols.

LABORATORIES, FIELD STATIONS, ETC. Main sci. bldg. contains lecture rooms, teaching and res. labs., library, assembly hall, studies, common rooms, etc. Lecture rooms and studies for Econ., Hortic. and Sheep Husb. Depts. are situated in an adjacent bldg. A vet. clinic comprising lecture room, labs., x-ray room, operating theatre and studies, houses Vet. Dept. Other bldgs. for wool teaching, engin. and carpentry instruction, stock demonstration, machinery demonstration.

The COLLEGE FARMS comprise some 4100 acres, 1250 acres being situated at the Coll., 1050 acres 8 miles distant and 1800 acres 60 miles distant. Full facilities are available for teaching hortic., including 22 acres of representative collections of herbaceous plants, trees and shrubs, a range of glasshouses, a nursery and propagating house, orchard and small fruits, vegetable and cut flower areas.

ADMISSION. For degree courses, any person who has passed the Matricn. Examn., or has completed part of an undergraduate course, or been admitted to a degree at any Univ. other than the Univ. of N.Z. may be admitted *ad eundem statum* in the Univ. of N.Z., but the course taken and standard attained at such other Univ. must be substantially equivalent to the course and standard required from an undergraduate or graduate of the Univ. of N.Z. of the status to which such person applies to be admitted. Overseas students desiring to enter any of the degree courses at Massey Agric. Coll. should supply with their applicn. full details of the undergraduate course or graduate course already taken, in order that their probable position as regards admission *ad eundem statum* may be made known to them. Subsequently, formal applicn. must be made to the Registrar of the Univ. of N.Z., and for this purpose students should bring with them evidence of their academic standing and of any degree obtained at their former Univ., including the syllabus of the course taken. The first yr. (Interm.) of degree courses cannot be taken at Massey but may be taken either at one of the four main Univ. Colls. in the Dominion or at an overseas Univ. For other than degree courses, no examn. qualification is required, but certain pre-course practical experience is called for. The minimum age of entry is 18 yrs. *See also* p. 1087.

DEGREES AND DEGREE COURSES. B.Agr.Sc. and B.Agr.Sc. (Hort.)—1 yr. (Interm.) taken elsewhere, plus a 3-yr. Professional course here. B.Agr.Sc. (Dairy Tech.)—1 yr. (Interm.) taken elsewhere, plus a 4-yr. Professional course taken here. M.Agr.Sc., M.Agr.Sc. (Hort.), and M.Agr.Sc. (D.Tech.)—Normally, 1 yr. following the Bachelor course but in some cases, especially overseas students, 2 yrs. are required. Ph.D.—A 2-yr. full-time course open to candidates who have been admitted to a Master's degree of Univ. of N.Z. (either by examn. or by admission *ad eundem statum*) at the standard of 1st or 2nd Class Hons. CERTIF. OF PROFICIENCY—Any matriculated person may undergo a course in any one or more subjects of the degree courses for Univ. of N.Z. Certif. of Proficiency in that subject or subjects.

DIPLOMAS, CERTIFICATES. Dipl. in Agric. (Dairy Farming and Sheep Farming options), Dairying (Buttermaking, Cheesemaking or Market Milk options), Hortic., Wool and Wool Classing. Dipl. courses, except Dairying, cover 2 yrs. Dairying—3 winter terms. Certif. in Poultry farming—1 yr. Various short courses also available.

Facilities available for postgrad. study or res. in most branches of agric.

FEES. Ph.D., £21; Master's Degrees, £12 : 10s.; Professional course for B.Agr.Sc., B.Agr.Sc. (Hort.), B.Agr.Sc. (D.Tech.), £67 : 10s., spread over

period of course ; Dipl. in Agric., £35 ; Dipl. in Hortic., £45 ; Dipl. in Wool Classing, £25 ; Dipl. in Dairying, £30.

ACADEMIC YEAR. February to October.

The DAIRY RESEARCH INSTITUTE AND THE GRASSLANDS DIVISION (D.S.I.R.), which are the centres for N.Z. for dairy and grasslands res. respectively, are located at the Coll. Both institutions co-operate with the Coll. in the provision of material for teaching and for postgraduate res.

STUDENT RESIDENCES. 3 men's hostels accommodating 300. One women's hostel accommodating 25. Fees, per week, Men—£3 : 15s. ; Women—£3 : 12s. 6d. Postal address : Massey Coll. P.O., Palmerston North.

STUDENTS' ASSOCIATION. The Assocn. caters for the athletic and social side of the student's life. Excellent facilities available for cricket, tennis, swimming, athletics, hockey, shooting, football, etc.

PUBLICATIONS. *Calendar* (Feb.), free. *Sheep Farming Annual* (10s.) and *Dairy Farming Annual* (10s.) (proceedings of annual meetings of sheep farmers and dairy farmers held at the Coll.), (Oct.-Dec.). *Wool* (Oct.) (4s.). Students' Assocn. : *Bleat* (students' mag., annual, 2s. 6d.), *Chaff* (monthly during session, 5s. 6d. p.a.). Also a series of technical publications.

THE YEAR 1953

NEW BUILDINGS. Vet. Clinic, Young Farmers' Clubs' Memorial Bldg., providing residential accomm. for 36 students.

RESIGNATIONS. T. B. Miller (Agric. Biochem.), to further postgrad. study ; A. Stewart (Dairy Husb.), apptd. to Milk Marketing Bd., England ; F. R. Barnes (Dairy Husb.), to further postgrad. study ; A. J. Gibson (Sheep Husb.), to private employment.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	296	222
Women	20	35
Total	316	257

Postgraduate students, 23.
New admissions, 393.
Attended for farmers' weeks, etc., 897.
Students from other countries, 37. (Countries from which largest numbers came : Aust., 11 ; India, 7 ; U.K., 6 ; Persia, 3 ; Kenya, 3.)

DEGREES. M.Agr.Sc., 2 ; B.Agr.Sc., 12 ; B.Agr.Sc. (Dairy Tech.), 4.

COLLEGE DIPLOMAS. Dipl. in Agric., 32 ; Dipl. in Hortic., 14 ; Dipl. in Dairying, 12 ; Dipl. in Wool and Wool Classing, 12.

SOUTH AFRICA

UNIVERSITY OF CAPE TOWN (p. 1130)
UNIVERSITY OF NATAL (p. 1142)
UNIVERSITY OF THE ORANGE FREE STATE (p. 1151)
POTCHEFSTROOM UNIVERSITY FOR CHRISTIAN HIGHER EDUCATION (p. 1155)
UNIVERSITY OF PRETORIA (p. 1162)
RHODES UNIVERSITY (p. 1177)
UNIVERSITY OF SOUTH AFRICA (p. 1183)
UNIVERSITY OF STELLENBOSCH (p. 1185)
UNIVERSITY OF THE WITWATERSRAND, JOHANNESBURG (p. 1193)

[*Revised July* 1954.]

UNIVERSITIES OF THE UNION OF SOUTH AFRICA

HISTORICAL SUMMARY (originally contributed by Professor Ritchie of Cape Town, revised by Sir Carruthers Beattie, formerly Vice-Chancellor of the University of Cape Town, and subsequently revised annually by the Vice-Chancellors' Committee). The history of higher education in S. Africa covers but a comparatively short period of time. It may be said to have had its beginnings when, in 1829, the S. African College (now incorporated in the Univ. of Cape Town) was founded, as a proprietary institution, by a number of progressive citizens of Cape Town, assisted by subscribers from various parts of the country. This institution was, at its inception and for a long time afterwards, not much more than a higher-class school, but it had within it the possibilities of growth and started with very high aims. It had a very chequered history for some time, and was on more than one occasion in danger of extinction, but it gradually acquired a stronger position on ceasing to be a proprietary institution and receiving support from the public funds. For 20 years it remained the only educational establishment in S. Africa which aspired to anything beyond the range of elementary education, but in 1849 a rival College (the Diocesan) was started under the ægis of the Episcopalian Church at Rondebosch, a suburb of Cape Town. A few years later, in 1855, a somewhat similar College, St. Andrew's, was founded in Grahamstown, in the eastern part of the Cape Colony. Under the Governorship of Sir George Grey there was founded, in 1855, the Grey College at Bloemfontein in the Orange Free State, the first attempt at higher education beyond the borders of the then Cape Colony. None of these Colleges was well equipped, and most of the work done by them was school work rather than Univ. work, but they gradually acquired a growing influence and formed centres at which development was only a question of time. A very strong impetus in the direction of higher education was given in 1858 by the establishment of a Board of Examiners in Literature and Science. This Board had in view in the first instance the testing by means of examination of the competency of candidates for the Civil Service and public offices, but it soon extended its scope and started examinations on more distinctively Univ. lines, corresponding roughly to Matricn., B.A. and M.A. The competition between the existing Colleges caused by these examns. had undoubtedly a strong influence on the growth of these Colleges and the greater attention paid to subjects beyond the mere school range. This Board continued to exist until 1873, when a successful attempt was made to institute a Univ. for S. Africa. The Univ. of the Cape of Good Hope, which was then founded, continued to exist until the beginning of 1918, when it was transformed into the Univ. of S. Africa, with its administrative seat at Pretoria. This Univ. was modelled

on the lines of London Univ., as then existing, as a purely examining body. It was governed by a Council, half of whose members were nominated by the Government, half elected by the members of Convocation. It had no constitutional connexion with the Colleges which prepared students for its examns., but the members of the Council who were elected by Convocation tended gradually to be almost entirely members of the teaching staffs of the various Colleges. In this indirect fashion the Colleges had a considerable influence on the development of the Univ. and the extension of the range and scope of its examns. Almost at the same time as the founding of the Univ. of the Cape of Good Hope there was passed by the Cape Parliament a Higher Education Act, which gave definite salary grants to the professors at recognized Colleges. This Act, together with the new impulse given to higher education by the new Univ., had a very marked influence on the development of the Colleges, which now began to increase in staff and numbers of students. The new College of Stellenbosch (afterwards the Victoria College and now the Univ. of Stellenbosch) was founded in 1874, and grew very rapidly, until it was a formidable rival of the older College at Cape Town. Other Colleges were founded also at Somerset East (Gill College) and Port Elizabeth (Grey Institute), but these had only a very short term of life. At a considerably later period, as S. Africa grew in population and wealth, other Colleges sprang into existence. A College for women (the Huguenot College) was founded at Wellington in 1898 and continued until the end of 1950, when it ceased to exist. In 1904 St. Andrew's College at Grahamstown separated its College department from its school, and the former became incorporated as the Rhodes College. In the same year a School of Mines which had been founded in 1896 at Kimberley was transferred to Johannesburg, and afterwards developed into a College for higher education generally, which is now the University of the Witwatersrand. In 1908 a Univ. College was founded at Pretoria (now the University of Pretoria), and in 1909 a similar College was instituted at Pietermaritzburg, Natal (now the University of Natal).

In 1904 there began a movement for the institution of a teaching, in place of the examining, Univ., and the controversy regarding the rival claims of a federal and a single-college Univ. continued for a number of years. An Inter-Colonial Conference on Univ. Education in 1908 reported in favour of a federal scheme, but nothing came of its decision. A new factor in favour of a teaching Univ. was introduced by the munificent gifts for this purpose of Mr. Alfred Beit, his brother, Mr. (later Sir) Otto Beit, and Sir Julius Wernher. In consequence of these gifts, various attempts were made by the Government to solve the knotty question of reconciling claims of the existing Colleges with the institution of one or more teaching Univs. A parliamentary committee deliberated on the subject in 1913, and a Commission was appointed in the same year and, after taking evidence, issued its report in 1914. This Commission proposed two Univs., one consisting of a federation of the S. African College and the Victoria College, the other of a federation of the remaining Colleges (Rhodes College being allowed the choice of joining whichever federation it pleased), but the proposal

led to no practical result, chiefly owing to the objection on the part of the two oldest and strongest Colleges, at Cape Town and Stellenbosch, to the loss of their independence. The problem was at length solved in 1916 by giving charters to both the S. African College and the Victoria College, and by the reincorporation of the old Univ. of the Cape of Good Hope as a federal Univ. embracing all the other Colleges under the name of the Univ. of S. Africa.

The three Acts passed by the Union of S. Africa in 1916 were to the following effect :

I. The Univ. of the Cape of Good Hope became the Univ. of South Africa, with its administrative seat at Pretoria.

II. The South African College became the Univ. of Cape Town, with which is incorporated the S. African College. Its seat is upon the Groote Schuur estate on the eastern slopes of Table Mountain.

III. The Victoria College, Stellenbosch, became the Univ. of Stellenbosch, with its seat in the division of Stellenbosch in the Province of the Cape of Good Hope.

These Acts also made provision for the establishment of a Joint Matriculation Board (*see* Appendix I) and a Joint Committee for Professional Examinations (*see* p. 1129).

The three new Universities of Cape Town, South Africa and Stellenbosch came into being in 1918. The University of South Africa began with six constituent colleges, viz. : Huguenot (Wellington) ; Johannesburg ; Natal (Pietermaritzburg) ; Orange Free State (Bloemfontein) ; Rhodes (Grahamstown) ; and Transvaal (Pretoria).

In 1921 the teaching institution at Potchefstroom was admitted as a constituent college. It was not long, however, before a movement began for the incorporation of the constituent colleges as independent teaching Universities, except Huguenot which ended its career in 1950. The first constituent college to come into being as a University was that of Johannesburg (University of the Witwatersrand, Johannesburg, 1922) ; followed by Pretoria (University of Pretoria, 1930), Natal (University of Natal, 1949), Orange Free State (University of the Orange Free State, 1950), Rhodes (Rhodes University, 1951) and Potchefstroom (Potchefstroom University for Christian Higher Education, 1951).

With the disappearance of all its constituent colleges the University of South Africa was re-incorporated under the same name in 1951 as an examining body for external students. It has a Division of External Studies.

In 1923 the South African Native College (now University College of Fort Hare) was established primarily for the benefit of the native races in South Africa. It was incorporated under the Higher Education Act of that year and, until its affiliation with Rhodes University in 1951, prepared students as external candidates for examinations conducted by the University of South Africa.

Each of the nine Univs. is governed by Council and Senate.

The Senate of the Univ. of South Africa as reconstituted in 1951 consists of two members appointed by the Council, Director and Professor of the Division of External Studies and lectrs. of the Division

who are heads of depts. recognized by the Council for representation on the Senate, two representatives of the Senate of each of the other Univs. in South Africa, and not fewer than eight other persons who are Professors or lectrs. at the other Univs. in South Africa. The Senates of the other Univs. consist in each case of the Principal or Rector, the Vice-Chancellor, two additional members of the Council appointed for a prescribed period, and the Professors and, in addition, at Pretoria and the Orange Free State, Heads of Depts., and at Natal, Directors or Heads of such research institutes as fall under the control of the Council, and the Librarian of the University. At the Univs. of Cape Town and the Witwatersrand two Assessor members are elected annually by the Lecturers.

All the Universities offer degrees in the ordinary Arts and Sciences and one or more of them provide training for the following professions, *e.g. Agriculture*: Natal, Pretoria, Stellenbosch; *Architecture*: Cape Town, Natal, Pretoria, Witwatersrand; *Dentistry*: Pretoria, Witwatersrand; *Engineering*: Cape Town, Natal, Stellenbosch, Witwatersrand; *Fine Art*: Cape Town, Natal, Witwatersrand; *Forestry*: Stellenbosch; *Medicine*: Cape Town, Natal, Pretoria, Witwatersrand; *Music*: Cape Town, Orange Free State, Rhodes, Stellenbosch, Witwatersrand; *Theology*: Potchefstroom, Pretoria, Rhodes, Stellenbosch; *Veterinary Science*: Pretoria; *Commercial and Legal Training*: all the teaching Universities. Schools of African Life and Languages have been established at four of the Universities

The training of secondary teachers has been left to the Universities, and all the institutions endeavour to carry out this training. The training of primary teachers is, to a much smaller extent, provided for in the Universities, the main work in this instance being carried on in training colleges under the provincial Departments of Education.

SCHOLARSHIPS. Open to graduates of all South African Universities: 1851 Exhibition Scholarships, £450 p.a. for 2 yrs. (in exceptional cases, 3 yrs.), tenable at any institution approved by the Commissioners; Beit Fellowships, £240 p.a. for 2 yrs., tenable at Imperial College, London; H. B. Webb, maximum £300 p.a. for 2 yrs.; Union, £300 for 2 yrs. Open to graduates of the Universities of Cape Town and Stellenbosch: Croll Memorial, Porter, George Grey, Queen Victoria, Donald Currie, Ebden, all £300 for 2 yrs.; W. Hiddingh, £266 p.a. for 3 yrs.; Maynard, £90 p.a. for 2 yrs. The Ebden scholarship is tenable only at Cambridge.

Elsie Ballot Scholarships, £400 p.a. for 2-3 yrs., tenable at Cambridge; basis of selection as for Rhodes Scholarships. Further information from the Joint Trustees (The Secretary, Ballot Scholarships, University Registry, Cambridge, and Barclay's Bank, D.C.O. (Trustee Department), Box 434, Pretoria).

For Rhodes Scholarships, *see* p. 482

See also under the separate Universities.

TERMS. The academic year is usually divided into 2 semesters or terms, beginning in Feb. or March and ending Nov. or Dec. At Cape Town, Stellenbosch, Pretoria and the Witwatersrand there are two semesters or terms, beginning end of Feb. and end of July.

VICE-CHANCELLORS' COMMITTEE. The Vice-Chancellors of the Univs. acting as a Joint Committee (known as The Vice-Chancellors' Committee) have, in the exercise of powers conferred by the above-mentioned Acts, made joint statutes and regulations relating to the Joint Matricn. Board, the Joint Committee for Professional Examns., the administration of the Joint Scholarship Funds of the Univs., the admission of registered students of any one of the Univs. to any of the others, and a minimum period of attendance and minimum fees for the degree of Bachelor. They have power to formulate regulations dealing with any matters of common interest, such as the rotation between the Univs. of postgraduate scholarships administered by the Committee and the conditions of award, etc.; the conditions and award of essay prizes, etc. The Committee has also acted as the selecting body for Commonwealth and British Council Scholarships and Imperial Relations Trust Fellowships. The address of the Secretary (who is also Registrar, Univ. of Cape Town) is P.O. Box 594, Cape Town.

COMMITTEE OF PRINCIPALS. A Committee of Principals was constituted and accorded recognition by the Minister of Education and the Councils of University institutions. The Committee consists of the Principals of the Universities and the Director of External Studies of the University of South Africa. The Committee was established for the purpose of considering matters of common interest and acting on behalf of the institutions on matters not specifically assigned to the Vice-Chancellors' Committee

S.A UNIVERSITIES' BUREAU. A central bureau, called the South African Universities' Bureau, was established in 1950. The primary functions of the Bureau are to undertake the secretarial duties of the Committee of Principals and to act as liaison office of the Committee of Principals with the Association of Universities of the British Commonwealth. The address of the Secretary of the Bureau (who is also Registrar of the University of Cape Town) is P.O. Box 594, Cape Town.

ADMISSION. *See* Appendix I.

The JOINT COMMITTEE FOR PROFESSIONAL EXAMNS. (address—P.O. Box 392, Pretoria), consisting of 2 representatives of each of the Univs. (one for Law and one for Survey) and 5 persons appointed by the Govr.-General (of whom at least 2 must be for Law and 2 for Survey), controls and conducts: (1) Attorneys' Admission Examn., (2) Civil Service (Lower and Higher) Law Examns., (3) Examns. in Theory of Land Surveying and (4) Examn. for Patent Agents. It also conducts, in certain cases, on behalf of the Supreme Court, the Advocates' Admission Examn. in Roman-Dutch Law and the Statute Law of the Union, and the Supplementary Attorneys' Admission Examination.

UNIVERSITY OF CAPE TOWN*

Incorporated 1918; previously established as South African College, 1820.

Postal Address: Private Bag, Rondebosch, Cape Province, South Africa.
Telegrams: University, Rondebosch.
Telephone: 6-2174; 6-3909.

VISITOR—H.E. THE GOVERNOR-GENERAL.

CHANCELLOR—Hon. Mr. Justice A. VAN DE SANDT CENTLIVRES, B.A. Cape, D.C.L. Oxon., LL.D.

PRINCIPAL AND VICE-CHANCELLOR—T. B. DAVIE, LL.D. Camb, B.A. Cape, M.D. Liv., F.R.C.P.

PRESIDENT OF CONVOCATION—Hon. Mr. Justice J. E. DE VILLIERS, M.A., B.C.L. Oxon., LL.B. Cape.

CHAIRMAN OF COUNCIL—W. DUNCAN BAXTER, LL.D.

REGISTRAR—A. V. H. CARTER

LIBRARIAN—R. F. M. IMMELMAN, B.L.S. Col., M.A., F.L.A.

TEACHING STAFF

Accounting and Business Method
Greenwood, H. Prof.
30 Pt.-time Lectrs.

African Studies
Wilson, Mrs. Monica M., M.A., Ph.D. Camb. (Soc. Anthropol.) Prof.
Lestrade, G. P., A.M. Harv., M.A., F.R.S.S.Af. (Bantu Langs.) Prof.
Goodwin, A. J. H., M.A. Camb., F.R.S.S.Af. (Ethnol. and Archæol.) Sr. Lectr.

Lecturers
Simons, H. J., M.A. S.A., Ph.D. Lond. (Native Admin.).
Jordan, A. C., M.A. S.A. (Bantu Langs.).
Fortune, Rev. G., M.A., Ph.D.
1 Jr. Lectr., 2 Demrs., 1 Clerical Asst.

Anatomy
Drennan, M. R., M.A., M.B., Ch.B. Edin., F.R.C.S.Ed., F.R.S.S.Af. Prof.
Singer, R., M.B., Ch.B. Sr. Asst.
Keen, E. N., M.B., Ch.B. Lectr.
Marr, J. A. S., M.B., Ch.B., F.R.C.S. (Surg. Anat.) Lectr.
5 Pt.-time Assts., 2 Tech. Assts.

Architecture
White, L. W. T., F.R.I.B.A. (Archit.) Prof. and Dir., Sch. of Arch.
Pryce-Lewis, O., A.A. Dip. Asst. Dir., Sch. of Arch.

Senior Studio Masters
Butt, J. E., F.R.I.C.S.
Sturrock, F. L.

Studio Masters/Lecturers
Pett, D. W., B.A. Camb.

* Member of the Association of Universities of the British Commonwealth.

Klop, U. H.
Anderson, W. G. D., B.A.
Floyd, H. C., B.A.Arch.
Downie, N. C.
Emary, J. E., B.A.Arch.
Taute, M. P.
Field, G. D.
Morris, A. S.
Salmon, I. A. D.
Soltynski, R. M.
5 Assts., 2 Clerical Assts.

Bacteriology, v. Pathology

Botany and Bolus Herbarium

Isaac, W. E., B.Sc., Ph.D. Wales
Harry Bolus Prof.
Rycroft, H. B., B.Sc. Stell., M.Sc Natal, Ph.D.
Harold Pearson Prof., Dir. of National Bot. Gdns.
Bolus, Mrs. Harriet, B.A. Cape, D.Sc. Stell., F.R.S.S.Af.
Curator, Bolus Herbarium.

Lecturers

Schelpe, E. A., M.Sc. S.A., D.Phil. Oxon.
Olivier, Dorothea L., B.Sc. Rand, M.Sc.
Schütte, K. H., Ph.D. Dub.
Schelpe, Mrs. Anna, B.Sc.
Jr. Lectr.
Immelman, Enid P., M.Sc. O.F.S.
Jr. Lectr.
8 Demrs., 3 Assts.; Bolus Herbarium, 1 Clerical Asst.

Chemistry

Pugh, W., D.Sc. Lond., Ph.D., F.R.I.C., F.R.S.S.Af.
Prof. and Hd. of Dept.
Holliman, F. G., M.A., Ph.D. Camb.
Mally Prof.

Senior Lecturers

Sebba, F., M.Sc. Pret., Ph.D., F.R.I.C.
Spong, A. H., M.Sc. Lond., Ph.D. Camb.
.....

Lecturers

Stephen, A. M., D.Phil. Oxon., M.Sc., Ph.D.
Arnold, R., M.Sc. Rand.
Lamchen, M., M.Sc. Pret., Ph.D. Lond.
4 Jr. Lectrs., 5 Tech. Assts., 2 Demrs., 1 Clerical Asst.

Classics

Paap, A. H. R. E., Litt.D. Utrecht, B.Litt. Oxon. Prof.
Goold, G. P., B.A., Ph.D. Lond.
Prof.

Lecturers

Burrows, L., B.A. Liv.
Hewitt, W. H., B.A. Oxon., M.A.
Pope, M. W. M., B.A. Camb.
1 Demr.

Commerce

Hutt, W. H., B.Com. Lond. Prof.
Horwood, O. P. F., B.Com.
Sr. Lectr.
Gurzynski, Z. S. A., B.Com. Lond.
Lectr.
2 Clerical Assts., 3 Pt.-time Assts.

Economics

Robertson, H. M., M.A. Leeds, Ph.D. Camb. Jagger Prof.
..... Sr. Lectr.
van der Horst, Sheila T., Ph.D. Lond., M.A. Lectr.
Taylor, W. L. Jr. Lectr.
Arkin, M., B.Com. Jr. Lectr.
2 Demrs.

Education

Pells, E. G., B.Sc., B.Litt. Oxon., M.A., B.Ed. (in English)
Prof.
Burger, J. F., M.A., Ph.D. (in Afrikaans) Prof.
Olivier, S. P., B.A. Stell., M.Ed., D.Phil. S.A. Sr. Lectr.

Lecturers

Murray, Margaret I., B.A. Stell.
Spilman, Mary D., B.A. (Elocution).

Hart, Ida E. J., M.A., B. Ed., Ph.D.
Groves, Mary E., M.A. Asst.
Hoffa, Sylvia C. Drill Instr.
9 Assts.

Engineering, v. *infra*

English

Howarth, R. G., B.A. Syd., B.Litt. Oxon., F.R.S.L. Arderne Prof.
Casson, L. F., M.A., B.Litt., Ph.D. (E. Lang.) De Beers Prof.
Cavers, Dorothy L., B.Litt. Oxon., M.A., B.Ed. Sr. Lectr.
Segal, P., M.A. Lond., B.Ed. Lectr.
Whittock, T. G., B.A. Oxon. Jr. Lectr.
Martin, Veronica M., M.A. Jr. Lectr.
3 Demrs.

Fine Art School

Shephard, R. N., Slade Dip. of Fine Art, Lond. Prof.
Mitford-Barberton, I. G. Lectr.
Twine, S. W. Lectr.
Esmonde-White, Eleanor F. Lectr.
van Essche, M. Lectr.
Simmers, M. (Drawing) Asst.
7 Pt.-time Assts.

French

Inskip, D. P., M.A. Glas., L. ès L. Nancy Prof.
Greshoff, C. J., M.A. Lectr.
Whitaker, Mrs. Marie J., M.A. Jr. Lectr.

Geography

Talbot, W. J., B.Sc. Lond. Prof
Davies, D. Hywel, M.A. Wales Lectr.
Mabbutt, J. A., B.A. Camb. Lectr.
1 Demr.

Geology, v. Mineralogy

German

Rosteutscher, J. H. W., D.Phil. Breslau, Ph.D. Camb. Prof.
Tober, K., Ph.D. Innsbruck Lectr.
Boldinghaus, W. Jr. Lectr.

Hebrew

Abrahams, I., M.A. Lond. Prof.
Blesovsky, J., M.A. Asst.

History

Mandelbrote, H. J., B.A. Oxon., M.A., LL.B. King George V Prof.
Thompson, L. M., M.A. Oxon. and S.A. Sr. Lectr.
Van der Poel, Jean, Ph.D. Lond., M.A., B Ed. Lectr.
Clark, J. B., M.A. Oxon , M A. Lectr.
Nourse, G. B., M A. S A and Natal, B A Oxon. Lectr.
Wallace, Frances M , B.A. S.A. Jr. Lectr.

Law

Cowen, D V , B A., LL.B. (Com. and Indust. Law) Prof
Price, T W., M A., LL.B., Ph.D. Camb. (Roman-Dutch) Prof.
Beinart, B., LL.M. Lond., B.A., LL.B. W. P. Schreiner Prof.
18 Assts., 1 Clerical Asst.

Mathematics, Applied

..... Prof.
Pollard, M. J., M.A. Camb., B.Sc. Wales Sr. Lectr.

Lecturers

Langerman, S. M., M.Sc., M.A. Camb.
.....
Whiteman, J. H. M., M.A. Camb., Ph.D.
Rutovitz, D., B.Sc. Jr. Lectr.

Mathematics, Pure

Sears, D. B., D.Sc. Rand Prof.
Skewes, S., Ph.D. Camb., M.A., B.Sc. Sr. Lectr.

Lecturers

Abrahamson, B., M.Sc.

Household, K. O., B.Sc. Rand, A.M. Prin., M.Sc.
.....
1 Jr. Lectr., 5 Demrs.

Mineralogy and Geology
Walker, F., M.A. Camb., Ph.D., D.Sc. Edin. Philipson-Stow Prof.
Vincent, H. C. G., M.A. Camb. Sr. Lectr.
Mathias, Mrs. Frances C. M. Lectr.
Simpson, E. S. W. Lectr.
..... Jr. Lectr.
1 Res. and Museum Asst., 1 Demr.

Music
Chisholm, E., D Mus. Edin., F.R.C.O. Prof. and Dir. of Coll.
..... Asst. to Dir.

Senior Lecturers
van Wyk, A.
Neuss, Maria.
Armhold, Adelheid.
Rubens, H., Mus.Bac.

Lecturers
Pulvermacher, G.
Dennis, E. J.
van de Vliet, Elizabeth, Dip. Royal Conservatorium, The Hague.
Taylor, J. C.
Hall, L., B.A., B.Mus.
.....
Stevenson, Primrose Asst.
2 Clerical Assts., 36 other staff.

Nederlands Cultural History
Bax, D., Litt.D. Nijmegen Prof.

Nederlands and Afrikaans
Scholtz, J. du P., M.A. Stell., Litt.D. Amst. Hofmeyer Prof.
van der Merwe, I. W., M.A Sr. Lectr

Lecturers
Bax-Botha, Mrs. Marie A., M.A. S.A.
Verhage, J. A., M.A., Ph.D.
Opperman, D. J., M.A.
Meiring, Lilian Y., M.A. Jr Lectr.

Philosophy
Murray, A. H., M.A. Stell., B.Litt., D.Phil. Oxon. Prof.
Versfeld, M., Ph.D. Edin., M.A. Sr. Lectr.
du Plessis, S. I. M., D.Phil. Lectr.
2 Jr. Lectrs.

Physics
James, R. W., M.A. Camb., B.Sc. Lond., F.I.P. Prof.
..... Prof.
Grindley, E. N., M.Sc. Brist., Ph.D. Sr. Lectr.
Schaffer, W., M.Sc., Ph.D. S.A. Sr. Lectr.

Lecturers
Cormack, A. M.
Juritz, J. W. F., M.Sc.
van Schalkwyk, T. G. D., M.Sc.
Buchowiccki, J.
2 Jr. Lectrs., 4 Demrs., 4 Tech. Assts.

Physiology and Pharmacology
Sloan, A. W., B.Sc., M.B., Ch.B. Glas., F.R.F.P.S. Glas. Prof.

Senior Lecturers
Budtz-Olsen, O. E., M.B., Ch.B.
Zwarenstein, H. J., D.Sc. Manc., M.A., M.Sc.
Sapeika, N., M.B., Ch.B.

Lecturers
Wiedeesheim, R. M., M.D.
Lewis, B., B.Sc., M.B., Ch.B.
1 Jr. Lectr., 6 Pt.-time Lectrs., 4 Demrs., 5 Tech. Assts., 1 Clerical Asst.

Psychology
Hall, K. R. L., M.A., D.Phil. Oxon. Prof.
Taylor, J. G., M.A. Aberd. (Psychol.) Sr. Lectr.
Grover, Vera M., M.A. Lectr.
Heyns, I. de V., M.Sc., M.Ed. Lectr.

Raath, Magdalena J. Res. Asst.
1 Tech. Asst., 1 Asst., 1 Clerical Asst. (Sci. Fac.).

Social Science

Batson, E., B.Sc. (Econ.) Lond. Prof.
..... Supervisor, Field Work.
Helm, Mrs. Brunhilde, B.A.Soc.Sc. Lectr.
Batson, Mrs. Helen M., B.Sc. (Econ.) Lond. Res. Asst.
1 Clerical Asst., 1 Asst.

Speech Training

van der Gucht, Rosalie E., Dip. Dramatic Art Lond. Lectr.
Taylor, Mavis L. Asst.
Mills, Alice G. Asst.
5 Pt.-time Assts

Zoology

Day, J. H. O , D.F.C., Ph.D. Lond., B.Sc. S.A. Prof.
Krijgsman, B. J., D.Sc. Utrecht Sr. Lectr.
Paterson, Nellie, D.Sc. Rand, Ph.D. Camb. Lectr.
Broekhuysen, G. J., Ph.D. Ley. Lectr.
Millard, Mrs. Naomi A. H., M.Sc. Lectr.
2 Jr. Lectrs., 1 Clerical Asst., 1 Tech. Asst., 3 Demrs.

Engineering

v. also Maths., *supra*

Civil Engineering

Robertson, R. G., B.A. Oxon. Corporation Prof.
King, W. H., B.A., B.Sc. Durh. Sr. Lectr
Robertson, D. C., B.Sc. (Eng.) Sr. Lectr.
..... Lectr.
Kilner, F. A., M.A., D.I.C. Lectr.
2 Assts., 2 Tech. Assts., 1 Clerical Asst. (also Elect. and Mech. E.).

Electrical Engineering

Guelke, R. W., Ph.D. Gött. Corporation Prof.

Senior Lecturers

Besseling, J. L. N., B.Sc., Ph.D.
Webster, G. H., M.Eng. Sheff.

Lecturers

Einhorn, H., Dr.Ing. Berl.
Enslin, C. N., B.Sc. El. Eng.
.....
2 Tech. Assts., 1 Demr.

Land Surveying

Menzies, G. H., B.Sc. Prof.
West, I. D. (Theory of Land S.) Sr. Lectr.

Lecturer

Chiat, B., B.Sc.
2 Assts., 1 Tech. Asst.

Mechanical Engineering

..... Prof.
..... Sr. Lectr.
Elliott, G. G , B Sc. Sr. Lectr.
Machin, K. E., B.Sc. (Eng.) Lond. Lectr.
Stegen, R. M , B Sc. Lectr.
Abraham, G., B.Sc. Asst.
2 Assts., 3 Tech. Assts.

Medicine

(for subjects of the first 2 yrs.—Anat., etc., v. *supra*)

van den Ende, M , M.B., Ch.B. Prof. of Med. Educn.

Administrative Staff

Cloete, N. H. G., M.B., Ch.B. Edin. Med. Supdt.
Mostert, J. W. F , M.B., Ch.B. Asst. Med. Supdt.

Anæsthetics

Jones, C. S., M.B., Ch.B., M.S. Minn., D.Anæs. Lectr.

Medical Practitioners

Cluver, J. A., M.B., Ch.B.
Herries, J. W., M.B., Ch.B. Edin.
Atkins, L.
Whitaker, A. M.

Henderson, G. G., M.B., Ch.B.
Carstens, J. J., M.B., Ch.B.
Bull, A. B., M.B., Ch.B.
Ozinsky, J., M B , Ch.B.
Knipe, S. F.
Harrison, G. G., M.B , Ch.B.
Blankenberg, B., M.B., Ch.B.
7 Pt.-time Med. Practrs.

Dental Service

Wolff, H., L.D.S.
Rosenblatt, W

Dermatology

Lang, R., M.B., B.Ch. Dub. Lectr.
Walker, J., M.B., Ch.B. Med. Practr.
8 Pt.-time Med. Practrs.

Diseases of Children

Ford, F. J. Prof. of Child Health.

Medical Practitioners

Smythe, P. M., M.B., B.Ch.
Rabkin, J. W., M.B., Ch.B. Edin.
Sutin, G. J., M.B., Ch.B., D.C.H. Lond.
10 Pt.-time Staff.

Ear, Nose and Throat

Maytham, D. V., M.B , Ch.B., D.L O. Med. Practr.
de Villiers, J., M.B., Ch.B., M.S.R. (Elect.) N.T.C. Med. Practr.
4 Pt.-time Staff.

Forensic Medicine

Turner, R., M B , Ch.B., D.P.H. Prof.
Kaufman, J. C. E., M.B., Ch.B. Pt.-time Sr. Lectr.
Robertson, I., M.B., Ch.B. Pt.-time Lectr.
..... Pathologist.

Gynæcology, v. Obstetrics and Gyn.

Infectious Diseases

Ackerman, H. R. Lectr.
2 Clin. Tutors.

Leprosy

1 Pt.-time Lectr.

Medical Ethics

Impey, R. L., M.C., M.D., F.R.C.S. Ed. Lectr.

Medicine, General

Brock, J. F., M.A., B.Ch., D.M. Oxon. Prof.

Medical Practitioners

Mirvish, L.
Forman, F., B.A Cape, M.B., Ch.B. Aberd.
Schrire, V., M.B., Ch.B., M.Sc., Ph.D.
Vogelpoel, L., M.B , Ch.B.
Gant, J., M.B., Ch.B.
Barnard, C. N., M.B., Ch.B.
Hoffenberg, R., M B., Ch.B.
Swanepoel, A., M.B., Ch.B.
Merskey, C., M.B., Ch.B.
Jackson, W. P. U., M.A., M.D., B.Chir. Camb., D.Ch.
Eales, L., M.B., Ch.B.
26 Pt.-time Med. Practrs.

Medicine, Psychological

Key, G. J., M.B , Ch.B. Aberd. Lectr. and Hd. of Dept.
4 Assts.

Neuro-Psychiatry

Berman, S. Med. Practr.
Clarke, M. R., D P.M. Lond. Med. Practr.
Walton, H. J., M.B., Ch.B. Med. Practr.
3 Pt.-time Med. Practrs.

Obstetrics and Gynæcology

Louw, J. T., M.B., Ch.M. Prof.

Medical Practitioners

Sacks, S., M.B., Ch.B.
Muller, W. H., M.B., Ch.B.
Batchelor, G. B., M.A., B.M. Oxon., D.Obst.
Gasson, C. H. R., M.B., Ch.B.
Joubert, P. J.
Nel, J. B.
Moore, D.
13 Pt.-time Med. Practrs.

Ophthalmology

Townsend, R. L. H., B.A., B.M., B.Ch. Oxon., D.O.M.S., B.A. Lectr.

Hickley, J. M., M.B , Ch.B. Med. Practr.

Victor, A., M.B , Ch.B. Med Practr.

8 Pt.-time Med. Practrs.

Orthopædics

Allen, C. E. L. (Ortho-Surg.) Prof.

Bell, H., M.B., B.Ch. Belf., M.Ch. (Orth.) Liv., F.R.C.S.Ed. Pt.-time Med. Practr.

Sarkin, T., M.B., Ch.B. Med. Practr.

van Blerck, L. W., M.B., Ch.B , F.R.C.S.Ed. Med. Practr.

3 Pt.-time Med. Practrs.

Pathology and Bacteriology

van den Ende, M., Ph.D. Camb., M.B., Ch.B. Prof. and Admin. Hd. of Dept.

Thompson, J. G., M.D., Ch.B. Aberd. (P.) Prof.

Linder, G. C., M.D. (Chem. P.) Prof.

Medical Practitioners

Beck, W., M.Sc., M.B., Ch.B.
Retief, L. P.
Sacks, T. G., M.B., Ch.B.
Kipps, A., M.B., Ch.B.
Selzer, Golda, M.B., Ch.B.
Don, P. A., B.A., M.B., Ch.B.
MacPherson, C. R., M.B., Ch.B.
McKenzie, D., M.B., Ch.B.
Truswell, A. S., M.A., Ch.B.
Woolf, N., M.B., Ch.B.
Brain, P., M.B., Ch.B.
Sacks, M. I., M.B., Ch.B.
Campbell, J. A. H., M.B., Ch.B.
Naude, W. du T., M.Sc., M.B., Ch.B.

40 Tech. Assts., 8 Clerical Staff.

Plastic Surgery

Petersen, N. A. M., M.B., B.S. Lond., F.R.C.S., F.R.C.S.Ed. Med. Practr.

3 Pt.-time Med. Practrs.

Public Health

Cooper, E. D. Prof.

4 Assts.

Radiology

Medical Practitioners

Werbeloff, L., D.M.R.E. Camb., M.B., Ch.B.
Foley-Taylor, Elizabeth, M.B., B.Ch. Dub., D.M.R.E. Camb., Cert. Radiologie, Paris.
Wakely, J., B Sc.
Sealy, G. H. R.
Keet, A. D.
McDonnell, A. L.
Faiman, I. O., M.B., Ch.B., D M.R.D., D.P.H.
Grieve, J. M., M.B., Ch.B. Glas., D.M.R.E. Liv.
Tucker, R. D., D.M.R.
5 Pt -time Med. Practrs.

Surgery

Erasmus, Major J. F. P , M.Ch., M.D. Rand Prof.

Louw, J. H. Med. Practr.

8 Med. Practrs., 7 Jr. Med. Practrs., 15 Pt.-time Med. Practrs.

Urology

Kotze, J. C., M.B., Ch.B. Med. Practr.

6 Pt.-time Med. Practrs.

Vaccination

Smit, G. J., M.B., Ch.B. Edin., D.P.H. Lectr.

Vascular Investigation Service

Goetz, R. H., M.D. Fran. and Berne, M.B., Ch.B. Res. Assoc. Prof.

2 Pt.-time Staff.

Venereal Diseases

Cohen, L. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Public Relations Officer: ..... Dir. of Extra-Mural Studies: G. M. Sargeant, M.A. Camb., B.A. Accountant: A. D. Knott-Craig, B.Com., F.C.I.S. Hon. Sec. of Appts. Cttee.: Prof. E. G. Pells. Asst. Registrar: J. G. Benfield, B.Com. S.A. Asst. Acct.: P. G. McDonald, B.A. S.A. Chief Cttee. Clerk: D. J. McQuirk, B.A., B.Com. Chief Clerk Accts.: L. Read. Exams. Clerk: Doris E. MacDonald. Bookkeeper: Ivy M. Layton. Sr. Clerk: P. W. Lee, A.C.I.S. Sr. Cttee. Clerk: L. P. Faber, B.A. S.A. Jr. Cttee. Clerk: B. A. A. Riordan. Cashier: D. S. Cooper, B.A.

GENERAL INFORMATION

The University of Cape Town, with which is incorporated the South African College, created by Act 14 of 1916, came into legal existence on April 2, 1918, when the Council took over a bequest by Sir Julius Wernher of £250,000 and a donation of equal amount from Sir Otto Beit, who added £50,000 to a lapsed bequest by Mr. Alfred Beit. For early history, *see Yearbook* for 1930 and Introductory Chapter, above.

A site for the Univ. was provided by Govt. at Groote Schuur, Rondebosch. An appeal for funds in commemoration of the centenary of the S.A. College in 1929 realized over £70,000.

The usual language of instruction is English but certain first-yr. courses in Sci. subjects are duplicated in Afrikaans.

CONSTITUTION. The head of the University is the Chancellor; chief academic officer is the Principal, who is *ex officio* Vice-Chancellor; governing body is the Council, which consists of the Principal (*ex officio*), 5 members nominated by the Govt., 6 members elected by Convocation, 3 members elected by the old students' constituency, 1 member elected by the Diocesan College constituency, 3 professors elected by the Senate, and 2 members elected by Cape Town Corporation. The control and management of discipline and instrucn. within the Univ. is in the hands of the Senate, which consists of the Principal, the profs., 2 members elected by the Council. 2 assessor members of the Senate are elected by the Lecturers' Assocn. of the Univ.

Convocation, which consists of the profs. and lectrs. of the Univ. and its graduates, elects the Chancellor, 6 members of the Council, and a President of Convocation; it may discuss any matter relating to the Univ., and may communicate directly with the Council or the Senate.

LIBRARY. 275,000 vols., 30,000 pamphlets. Includes, *inter alia*, Medical Library—30,000 vols.; Music Library—books (3000), scores (10,000) and records (3500); Van Zyl Law Library (early Roman-Dutch Law) and Bolus Botanical Library. The Bolus Herbarium includes the Guthrie Collection of Cape flora.

FACULTIES. Arts, Commerce, Education, Engineering, Fine Art, Law, Medicine, Music, Science and Social Science. Deans, except of Fac. of Medicine, are apptd. annually.

TEACHING HOSPITALS. Groote Schuur Hospl., Cape Peninsula Maternity Hospl., Mowbray Maternity Hospl. and certain wards in Somerset Hospl. The Red Cross War Memorial Children's Hospl. will also be available upon its completion.

DEGREE COURSES. 3 yrs.—B.A., B.Soc.Sci., B.Sc. (Pure Sc.), B.Com.; 4 yrs.—B.A. (Hons.), B.Sc. (Hons.), B.A. (Fine Art), B.Mus., B.Sc. (Applied

Sc., Engin. or Land Surveying); 5 yrs.—B.Arch., LL.B.; 6 yrs.—M.B., Ch.B. Higher degrees: M.A., M.Arch., M.A. (Fine Art), M.Soc.Sci., M.Sc., M.Com., 1 yr.; B.Ed., 2 yrs., after approved Bachelor's degree; M.Ed., 2 yrs., after approved Master's or equivalent degree. The M.A., M.Sc. and M.Com. courses are open to graduates of any approved Univ.; so also are courses for the Ph.D. (open to Bachelors of at least 3 yrs.' standing), and D.Litt., D.Sc. (open to Bachelors of at least 5 yrs.' standing), for which attendance for 2 yrs. may be required. The M.Com. is open to B.Com. of 3 yrs.' standing. The LL.M. is open to LL.B. of 2 yrs.' standing; the LL.D. is open to LL.B. or LL.M. The M.Sc. in Engineering is restricted to graduates in Engin. of the Univ. (2 yrs.' standing).

Diploma Courses. 1 yr.—Analytical Chemistry, Librarianship, Native Administration (lower diploma), Native Education, Nursing, Public Health (postgraduate); 2 yrs.—Native Administration (higher diploma), Social Sciences; 3 yrs.—Commerce, Fine Art, Music, Speech Training and Elocution; 5 yrs.—Architecture and Quantity Surveying.

Certificate Courses. 1 yr. postgraduate—Secondary Teacher's; 3 yrs. —Ceramics, Commercial Art, Fine Art, Higher Primary Teacher's, Music, Speech Training.

Other Courses. Classes for students in Agric. and Theol. proposing to graduate in those subjects elsewhere.

Recognition of and by other Institutions. Attendance at any of the other teaching Univs. in S. Africa is accepted, under certain conditions, as part of the attendance qualifying for degrees. Attendance on classes in Physics, Chem., Bot. and Zool. is accepted by Aberd., Brist., Durh., Edin., Glas., Liv., Manc., Dub., R.C.P. Lond., R.C.S. Eng.; so also are examns. in the Fac. of Arts on the sp. courses in these subjects (except by Dub.). Attendance on courses in Anat. and Physiol. is accepted by Aberd., Durh., Edin. and Glas., R.C.P. Lond. and R.C.S. Eng.; examns. in the Fac. of Arts in these subjects are accepted by Aberd. The Dent. course is recognized by the R.C.S. Eng., R.C.P.S.Ed. and Edin. Dental School; the Hyg. course by the Conjoint Boards of Eng., Eire, Edin. and Glas.

Income. Excluding residence fees, the total revenue for the year 1953 was £698,510 (Govt. grant, 60·8 per cent.; fees 30·3 per cent; endowments, 8·9 per cent.).

Fees. The annual academic fee is fixed so as to cover all charges for a student's registration, classes and laboratories, ordinary Univ. examns., graduation, library, athletics, Students' Socs. and, in the case of medical students, hospital fees for clin. instrucn. The annual fee varies according to the course which is being taken, but is uniform throughout the normal duration of the course. B.A. and B.Soc.Sc., £64 p.a.; B.A. Fine Art, £68 p.a.; B.Sc., £77 p.a.; B.Arch., £88 p.a. for 4 yrs. and £40 for 5th yr.; B.Ed., £64 p.a.; LL.B., £66 p.a.; M.B., Ch.B., £96 p.a.; B.Mus., £80–£100 p.a.; B.Com., £50–£64 p.a.; B.Sc. in Engin. and Land Surveying, and in Appl. and Indust. Chem., £88 p.a.; Master's degree—Arts, £53 p.a.; Sci., £64 p.a.; Educn., £53 p.a.; Arch. and Fine Art, £40 p.a.; Engin. and Law, £27 p.a.; Med., £34 p.a.; Doctor's degree, £24–£30 p.a.

Scholarships for Graduates. Jamison, £225 p.a. for 2 yrs.; S.A.C. Croll, £300 p.a. for 2 yrs.; Smartt Memorial (in Agric.), £200 p.a. for 2 or 3 yrs.; 2 in Engin., £150 p.a. for 2 yrs.; 1 in Med., £150 p.a., tenable for 1 yr. overseas. See also Introductory Chapter.

A Jagger Scholarship of the annual value of £200, tenable for 3 (or possibly 4) years subject to satisfactory conduct and progress, is offered to a student from Gt. Britain proposing to take his degree at the Univ. of Cape Town.

Open postgraduate scholarships in Agriculture (£200 p.a. for 2-3 yrs.).

TRAVELLING CONCESSIONS. On production of a certificate signed by the Registrar, all full-time students may travel by rail, under certain conditions, at *reduced fares*—viz. the concession is only allowed on return tickets via the most convenient direct all-rail route from home to the Univ. and back; it does not apply to married persons, or to students attending classes for the law certif. and civil service law examns. Students who have obtained a degree are not eligible for season tickets at concession rates for daily travel.

The Union-Castle Steamship Co. gives concessions to students travelling coastwise between ports from Cape Town to Mombasa, inclusive (applicable only to whole-time scholars and students who have not graduated and who are not married): (*a*) Students travelling from home to school or Univ. or *vice versa*: *Single tickets* at single fare, according to age, less 10 per cent. *Return tickets* at the single adult fare, plus 10 per cent. The period of availability may be extended to 12 months on application. (*b*) All other students: *Return tickets* will be granted at excursion rates, available for period of vacation.

Certificates must include age, home address and, when on vacation, the period of such vacation.

The Union-Castle Co. and other Steamship Cos. grant a 10 per cent. reduction on the ordinary fare to students proceeding overseas on vacation or for further study.

RESIDENCE. Bd., residence and laundry, £140 p.a. Fuller Hall (200 women), Warden—Mrs. D. S. Emmett, B.A. Liv.; Smuts Hall (200 men), Warden—J. B. Clark, M.A. Oxon.; College House (50 men), Warden—Prof. T. W. Price, M.A., LL.B., Ph.D. Camb.; Medical Residence (90 men), Warden—P. M. Smythe, M.B., B.Chir. Camb.; Driekoppen (260 men), Warden—Prof. G. H. Menzies, B.Sc., F.R.I.C.S.; Hibernia (110 women), Warden—Mrs. E. G. Pells; B.Sc. Stell.

ADMISSION. *See* Appendix I. Prospective students are advised to take for the matricn. certif. at least 2 of the subjects, French, German, Greek, Latin, Maths. A pass in Latin is essential for LL.B. and in maths. for degrees in appl. and indust. chem., archit., engin., land surveying, med., sci. and quantity surveying.

EXTRA-MURAL STUDIES. In 1949 a Bd. of Extra-Mural Studies took over the functions of the former Extension Lectures Cttee. The Bd. assumes responsibility for the organizn. of vacation courses, week-end conferences, courses corresponding to those given for the W.E.A., extension lectures in town and country, and courses in citizenship and other current topics.

STUDY LEAVE AND FURLOUGH. Members of permanent academic staff are eligible for study leave and furlough after each cycle of 6 yrs.' continuous service, *i.e.* 3 mos. full pay and 3 mos. half pay for either study leave or furlough, and if taken together 6 mos. full pay and 6 mos. half pay.

STUDENTS' HEALTH SERVICE. Every student is required to pay an annual fee of £1. Privileges include a full med. examn. each yr. and payment of half of doctor's account up to a max. of £25 p.a. When med. attention is necessary a student may consult any general practitioner.

APPOINTMENTS BOARD. A cttee. representative of the several Facs. assists grads. seeking employment. Hon. Sec.: Prof. E. G. Pells.

STUDENTS' VISITING LECTURERS FUND. Administered by Cttee. consisting of students nominated by Students' Representative Council together with reps. of Univ. Senate. Object: to bring to the Univ. visiting lectrs. eminent in their specific fields and capable of providing cultural stimulus through their contacts with students and staff. To pay for travelling and living expenses of the lectrs. and the orgn. and admin. expenses of the Cttee., all registered students are charged 10s.

PUBLICATIONS. *Calendar* (Dec.); Students' Repve. Council's *Groote Schuur*; *Annals of the Bolus Herbarium*; *The History of South African College, 1829–1918*, by Prof. W. Ritchie (2 vols.: Maskew Miller, Cape Town); *The S.A. College and the University of Cape Town, 1829–1929*, by Prof. E. A. Walker.

THE YEAR 1953

NEW BUILDINGS. Med. library, Med. Students' Union, extension of pathol. block and increased accomm. for African Studies and Bot. The site formerly known as the Rosebank Show Grounds and recently acquired by the Univ. will be developed as a residential area. There will be also a centre for students' amenities known as the Sir Carruthers Beattie Community Centre in memory of first Principal and Vice-Chanc. of the Univ.

NEW POSTS. Chairs of Child Health and Orthopædic Surg., the latter named Pieter Moll and Nuffield Chair in recognition of part endowment of the Chair by Pieter Moll Aid Fund and Trustees of Lord Nuffield South Africa Fund.

ADULT EDUCATION. Board of Extra-Mural Studies organized over 100 public lectures in Cape Town and began extension of extra-mural services to Cape Western country districts; also organized Summer School on "Southern Africa in Perspective" and jointly with the National Development Foundation a course on Business Management.

VISITS BY MEMBERS OF STAFF OF OTHER UNIVERSITIES. Dr. W. G. S. Adams, former Warden of All Souls College, Oxford; Sir Ivor Jennings, Vice-Chanc. of the Univ. of Ceylon; Prof. S. Davidson (Edin.); Prof. F. J. M. Stratton (Camb.); Prof. W. Carey (Tas.); Prof. H. B. English (Ohio State); Dr. S. Adler (Jerusalem); Prof. R. Platt (Manc.); Prof. N. Tinbergen (Oxford); Dr. D. Hunter (Univ. of Lond.); Prof. E. H. Carr; Prof. I. Aird (British Postgrad. Med. Federation); Rt. Hon. L. S. Amery, Fellow of All Souls College, Oxford; Lady Ogilvie, Principal of St. Anne's College, Oxford.

RESIGNATIONS. Prof. J. T. Irving (Physiol.) apptd. to Chair of Odontology in Univ. of Witwatersrand; Prof. W. Rollo (Classics), apptd. Interim Principal of Rhodesia Univ. Coll.; Dr. H. E. Hinderks (Lectr. in German), apptd. to Chair of German in Queen's Univ., Belfast.

RETIREMENT. Prof. B. J. Ryrie, Prof. of Pathol. for 23 yrs. and thereafter first full-time Dean of Fac. of Med.

DEATHS. A. A. Balsillie and Maj. A. J. Pienaar (members of Univ. Council).

HONORARY DEGREES. *LL.D.*—A. B. McDonald, former member of Univ. Council and of Bd. of Trustees of the National Botanic Gdns. *D.Sc.*—Prof. A. Pijper, former Prof. of Pathol. in Pret. Univ. *M.Sc.*—Commander W. J. Copenhagen.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	2771	153
Women	843	472
Total	3614	625

New admissions, 1368.
Students from other countries, 417.

DEGREES. *Postgraduate*: D.Sc., 1; D.Sc.(Eng.), 1; M.D., 5; Ch.M., 2; Ph.D. (all Facs.), 8; M.A., 21; M.Sc., 14; M.Sc.(Eng.), 1; M.Soc.Sc., 1; B.Sc. Hons.), 10; B.Ed., 5. *First Degrees*: B.A., 113; B.Sc., 45; B.Com., 27; B.Sc.(Eng.), 49; B.Sc.(App. and Ind. Chem.), 6; B.Sc. (Land Surveying), 9; LL.B., 25; M.B., Ch.B., 115; B.A. Fine Art, 7; B.Arch., 33; B.Mus., 2; B.Soc.Sc., 12.

[*Information compiled as at* 14/7/54.]

UNIVERSITY OF NATAL*

Incorporated 1949; previously established as Natal University College, 1909

Postal Addresses.
King George V Avenue, Durban, South Africa
(*Telegrams*: University Durban; *Telephone*: 58-566).
P.O Box 375, Pietermaritzburg, South Africa
(*Telegrams*: University Pietermaritzburg; *Telephone*: 2-2385).

CHANCELLOR—Hon. D. G. SHEPSTONE, Administrator of Natal.

PRINCIPAL AND VICE-CHANCELLOR—E. G. MALHERBE, B.A. Cape, M.A. Stell., Ph.D. Col., LL.D. Camb.

CHAIRMAN OF COUNCIL—G. G. CAMPBELL, M.B. Edin., F.R.C.S.Ed.

PRESIDENT OF CONVOCATION—ALAN PATON, B.Sc.

REGISTRAR—P. G. LEEB-DU-TOIT, B.Com. S.A.

ASSISTANT REGISTRAR—V. V. AUSTIN.

ACCOUNTANT—A. J. LYLE, B.Com. S.A.

LIBRARIAN—J. W. PERRY, M.A. Camb.

TEACHING STAFF

(Allocated between Durban = D. and Pietermaritzburg = P.)

Accounting and Auditing (D.)
Fairbairn, W. J. G., F.S.A.A. Prof.
Waldeck, T. J. H., M.Com. S.A. Sr. Lectr.
Simons, A. F. S. Lectr.
15 Pt.-time Lectrs. for Professional Accountancy classes.

Agriculture, v. *infra*

Architecture and Quantity Surveying (D. and P.)
Connell, P. H., B.Arch. Rand Prof.
Croft, L. T., B.Arch. Liv., Dipl. T.P. Rand Sr. Lectr.
Biermann, B. E., B.Arch., Ph.D. Cape T. Lectr.
Lewcock, R. B., B.Arch. Cape T. Lectr.
13 Pt.-time Lectrs. for professional classes.

Anatomy (D.)
Keen, J. A., M.B., B.S. Lond., F.R.C.S. Prof.
Meidner, H., M.Sc. Sr. Lectr.

Botany (P.)
Bayer, A. W., D.Sc. S.A. Prof.
..... Sr. Lectr.
Lecturers
Heard, C. R. C., M.Sc. S.A., D.Phil. Oxon.
Gordon-Gray, Kathleen, M.Sc. S.A.

Chemistry and Chemistry Technology (P. and D.)
Warren, F. L., Ph.D., D.Sc. Lond., D.I.C., F.R.I.C. Prof. (P.)

* Member of the Association of Universities of the British Commonwealth.

Leisegang, E C , M Sc., Ph.D Sr. Lectr. (P.)
Candy, H. A., M.Sc. S.A. Lectr. (D.)
Dry, L. J., M.Sc. Rhodes, Ph.D. Lectr. (P.)
Raw, C. J. G., M.Sc. Lectr. (P.)
Egenes, R. J J , B.Sc. Chem.Tech. Lectr. (D.)

Child Guidance Clinic (D.)

Pechey, B. M., M.A. S.A. Dir.
Harris, F. J., B.A. Oxon. Asst. Dir.
1 Sec., 2 Res. Assts.

Classics (P.)

Davis, S., M.A., D.Litt. Rand, M.A Camb. Prof.
Farrer, B. H. P., M.A. Oxon. Lectr.

Commerce and Administration (D.)

Kelly, T. H., M.Com., Ph.D. Birm. Prof.
Allan, I. K., B. Com S A. Sr. Lectr.

Lecturers

Woods, I. R., B Com. Rand.
Green, L. P., M.Sc. (Econ.), Ph D., Dipl. Pub.Ad. Lond

Divinity (P.)

Craig, Rev. R., M.A., B.D., Ph.D. St. And., S.T.M. N.Y. Prof.

Dutch (Afrikaans and Nederlands) (P and D.)

Nienaber, G. S., M.A., M.Ed. S.A., Litt.D. Ghent Prof. (P.)
Terblanche, H. J., M.A., D.Litt. Pret. Sr. Lectr. (D.)
Grové, A. P., M.A., D.Litt. S.A. Sr. Lectr. (P.)
Grobler, P. du P., M.A. S.A. Lectr. (D.)
Nienaber, C. J., M.A. S.A., Docts. Litt. Amst. Lectr. (P.)

Economics (P. and D.)

Burrows, H. R., M.C., M.Com. Leeds Prof. (D.)
Randall, R. J., B.Com. Rand Sr. Lectr. (D.)
Hurwitz, N., M.Com. Lectr. (P.)
Sloan, D., B.Com.Sc. Belf., M.A. Edin., Ph D. Lectr. (P.)
Fourie, L., M.A. Stell. Lectr. (D.)
Humphreys, A. S B Res. Fellow.
..... African Res. Fellow.

Education (P.)

Lloyd, A., M.A. Birm., Ph.D. Camb. Prof.
Schmidt, W. H. O., B.A. S.A., Ph.D. Leipzig Sr. Lectr.
Hey, P. D., M.A.Ed. Col., B.A. Camb., M.A. Lectr. (P)

Engineering, v. *infra*

English (P. and D.)

Durrant, G. H., M.A. Camb. Prof. (P.)
Gardner, W. H., Ph.D. Lond. Sr. Lectr. (P.)
MacKenzie, N. H., M.A. S.A., Ph.D. Lond. Sr. Lectr. (D.)
Broad, F. L., B.A. Camb. Lectr. (P.)
Sands, R., B.A. Lond. Sr. Lectr. (D.)
McDonald, Florence M., M.A. Glas. Lectr. (D.)
King, Sarah K., M.A. S.A. Lectr. (D.)
Branford, W. R. G., M.A. Camb., B.Ed. Cape T. Lectr.

Experimental Physics (D.)

Hodges, D. B., O.B.E., B.A., M.Sc., Ph.D. Cape, F.I.P. Prof.
Scott, H. W., M.Sc. S.A. Lectr.
Clarence, N. D., M.Sc. S.A., B.A. Camb. Lectr.
O'Brien, P. A., M.Sc. Rhodes, Ph.D. Camb.

Fine Arts (P.)

Heath, J. C. W. Prof.

Hope, Rosa S. Sr. Lectr.
Long, G. Lectr.
Rose, Hilda L., B.A. S.A. Lectr.

French (P. and D.)
Tricaud, Mlle M. L., L. ès L., D.Ét.Sup., Cert. Sec. d'Ang., Paris Sr. Lectr. (P.)
1 Temp. Lectr. (P.), 1 Temp. Pt.-time Lectr. (D.), 1 Fellow

Geography (P. and D.)
Jehu, R. M., M.Sc. Wales, F.G.S. Prof. (P.)
Williams, O., M.A. Wales Lectr. (P.)
Brookfield, H. C., B.Sc., Ph.D. Lond. Lectr. (D.)
2 Temp. Pt.-time Lectrs.

Geology (P. and D.)
King, L. C., D.Sc. N.Z., Ph.D. S.A., F.G.S., F.R.S.S.Af. Prof. (D.)
Frankel, J. J., M.Sc. S.A., D.Sc. Cape T. Sr. Lectr. (D.)
Matthews, P. E., M Sc. Lectr. (D.)

German (P. and D.)
Schmidt-Ihms, Maria, Ph.D. Leipzig Sr. Lectr. (P.)

History and Political Science (P. and D.)
Keppel-Jones, A. M., M.A. Oxon , Ph.D. Cape T Prof (P.)
Brookes, E. H , M.A , D Litt. Sr. Lectr. (P.)
Rees, A. W., M.A. Wales Sr. Lectr. (D.)
Young, L. M., M.A. S.A., Ph.D. Camb. Lectr. (P.)
Heard, K. A., M.A. S.A. Lectr. (D.)
McIntyre, K. H. C., B.A. Camb. and S.A. Lectr. (D)
Farnie, D. A., B.A. Manc. Lectr. (D.)

Law (P. and D)
Burchell, E. M., M.A., LL.B. Camb. Prof. Emer.
Sweeney, G. M. J., B.A., LL.B. S.A Prof. (D.)
Lansdown, A. V., B.A., LL.B. S.A. Sr. Lectr. (D.)
Seymour, W. G. M., B.A., LL.B. S.A. Sr. Lectr. (P.)
Turpin, C. C., B.A., LL.B Cape T. Lectr. (D.)

Mathematics, Applied (P. and D.)
Stein, P., B.A. Cape T., M.A., Ph.D. Camb. Prof. (D.)
Schuddeboom, F. J., Phil. Cand. Ley., M.Sc. Stell. Sr. Lectr. (D.)
Meggitt, S M. A , B A. Oxon. Lectr. (D)
Harris, D. J., B.A. Camb., B Sc Cape T. Lectr. (D.)

Mathematics, Pure (P. and D.)
McKinnell, J., B.Sc., M.A. Glas. Prof. (P.)
Cruise, S. E., M.A. Camb. Sr. Lectr. (D.)
Hill, C. K., M.Sc. S.A., B.A. Camb. Lectr. (D.)
Parkyn, D. G., M A. Oxon. Lectr. (P.)
Bullen, P. S., M.Sc. Lectr. (D.)
Livingstone, D., M.Sc. S.A., Ph.D. Edin. Sr. Lectr. (P.)

Pathology (D.)
Gordon, I., M B., Ch.B. Cape T. Prof
Griffiths, S. B., M B., Ch.B. Sr. Lectr.
Holman, S., B.Sc., M.B., Ch.B. Sr. Lectr.
Wainwright, J., B.Sc., M.B., Ch.B. Sr. Lectr.

Philosophy (D. and P.)
Jensen, O., M.A. Edin., D.Phil. Rand Prof. (P.)
Jackson, C. S., M.A. Oxon. Sr. Lectr. (D.)

Physics (P.)
Fairbrother, J. A. V., B.Sc. Lond., Ph.D. R'dg., F.I.P. Prof.

Barnard, A. J., M.Sc. Rhodes Sr. Lectr.
Cato, G. C., M.A., B.D. Aberd. Lectr. (D.)
Mouton, W. L., M.Sc. O.F.S. Lectr. (P.)

Physiology (D.)

Gillman, T., M.Sc., M.B., Ch.B. Rand Prof.
Ripley, S. H., Ph.D. Calif., M.Sc. Sr. Lectr.
Canham, P. S. A., M.Sc Sr. Lectr.
Rosenberg, E., M.B., Ch.B. Sr. Lectr.
Dale, M M., B Sc., M B., Ch.B Sr. Lectr.

Psychology (P. and D.)

..... Prof. (D.)
Pratt-Yule, Ella T., M.A., Ph.D. St. And. Prof. (P.)
Albino, R. C., M.A. Sr. Lectr (D.)
Hunkin, Verona, B.A. S.A Lectr. (D.)
Danziger, K., B A., M Sc. Cape T., D.Phil. Oxon Lectr. (P.)
1 Demr.

Social Anthropology, Native Administration and Bantu Languages (D.)

Krige, J. D., B.A. Oxon. and Cape, LL.B. S.A. Prof.
Krige, Eileen C. B. J., M.A., D.Litt. Rand. Sr. Lectr.
Malcolm, D. Temp. Lectr.

Sociology and Social Work (D.)

Kuper, L., B.A., LL.B. Rand, M.A. (Soc.) N. Carolina Prof.
Marwick, M. G., M.A., B.A. (S.S.) S.A. Sr. Lectr.
Havemann, Mrs. Isabel M. M., M.A. Cape Lectr.
Jooste, C. J., M.A., D.Phil. Stell. Lectr.
Pretorius, Martha H., B.A. (S.S.) S.A. Social Worker.
Njisane, E. G. M., B.A. (S.S.) S.A., B.A. Lectr.

Speech and Drama

Sneddon, Elizabeth, M.A. Glas. Sr. Lectr. (D.)
Wilson, Mrs. Joan Lectr. (D.)
2 Temp. Lectrs.

Surveying (D.)

Biesheuvel, H., B.Sc. (Survey.) Cape T. Prof.
Scogings, D. A., B.Sc.Sur. Lectr.
Angus Leppan, P. V., B.Sc. (Eng.) Rand Lectr.

Zoology (P.)

Bush, S. F., M.Sc. S.A., D.Phil. Oxon. Prof.
..... Sr. Lectr.
Burton, A. J., B.Sc St. And. Lectr.
Pople, W., M.Sc. Lectr.

Agriculture (P.)—

Agricultural Chemistry

Orchard, E. R., O.B.E., B.Sc. Agric. Stell., Ph.D. Lond. Prof.
Folscher, W. J., M.Sc.Agric. Pret. Lectr.
Quicke, G. V., M.Sc.Agric. Pret., Ph.D. Wis. Lectr.

Agricultural Economics

..... Prof.
Behrmann, H. I., M.Sc.Agric. Pret. Lectr.

Agricultural Engineering

Vorster, P. J. C., B.Sc.Agric. Eng. Pret. Lectr.

Agronomy

Smuts, I. J., B.Sc.Agric. S.A. Prof.

Animal Husbandry

Kotze, P. L., M.Sc.Agric. Pret. Prof.
Bishop, G. P., B.V.Sc. Pret. Sr. Lectr.

Eloff, H. P., B.Sc.Agric. Pret. Lectr.

Biometry

Rayner, A. A., Ph.D. Edin. Prof.

Dairying

Abbott, C. W., B.Sc.Agric. Pret., M.Sc., Ph.D. Iowa Prof.
Claassens, J. W., M.Sc.Agric. Pret. Lectr.

Entomology

Oosthuizen, M. J., B.Sc.Agric Pret., Ph.D. Minn. Prof.
Bosman, T., B.Sc.Agric. Pret. Temp. Lectr.

Genetics

Saunders, A. R., B.Sc.Agric. Kansas, M.Sc. Wis., D.Sc. Agric. Pret. Prof.
Weyers, W. H., M.Sc.Agric. Stell. Sr. Lectr.
Reusch, J. D. H., B.Sc.Agric. Lectr.

Horticulture

le Roux, J. C., B.Sc.Agric. Stell., M.Sc. Calif. and Hawaii Prof.
Allen, P., B.Sc.Agric. Lectr.

Plant Pathology and Microbiology

Truter, Susarah, J., B.Sc. S.A., M.Sc. Stell., D.Sc. Utrecht Sr. Lectr.
Knox-Davis, P. S., B.Sc.Agric. Lectr.

Soil Conservation and Pasture Management

Scott, J. D., M.Sc. S.A., D.Sc. Rand. Prof.
Pienaar, A. J., B.Sc. S.A. Lectr.

Engineering (D.)—

Civil Engineering

Daymond, J. R., M.Sc.Eng. Wales Prof.
..... Sr. Lectr.
Norman, D. G., B.Sc.Eng. S.A., Dipl.S. Lectr.
Fleming, C. J., B.Sc.Eng. Lectr.
Hobbs, N. B., M.A. Lectr.
Ventress, R. G., B Sc. (Eng.) Lectr.
..... Lectr.

Electrical Engineering

Phillips, W. E., D.Sc.Eng. S.A. Prof.
Buckley, R. Lectr.
Hellawell, R. A., M.Sc.Eng. Lectr.
Wilman, C. W., M.Sc. Lond. Sr. Lectr.
Horn, R P. S., M.Sc. Eng. Lectr.
..... Lectr.

Mechanical Engineering

Gould, A. J., Ph.D. Camb., D.Sc. Lond. Prof.
Reim, E. P., B.Sc.Eng. S.A. Sr. Lectr.

Lecturers

Kramer, P. J., Dip.Ing. Delft.
Langer, G., M.Sc.Eng. Rand.
Leeman, E. R., B Sc.Eng. S.A.
Kritzinger, H. M., B.Sc.Eng.

Paint Research Institute (D.)

Hamilton, G. M., M.Sc. Lond. Dir.
Milner, A. M., M.Sc., Ph.D. (Phys. Chem. and An. Sect.), Res. Off.
Brink, A., M.Sc., O.F.S. (Org. Chem. Sect.).
Moreton, T. G. Res. Off.
Fairburn, Florence K. Sec.

Sugar Milling Research Institute (D.)

Douwes Dekker, K., D.Sc. Utrecht Dir.
Perk, G. M., Ing.Ch. Sugar Technologist.
Alexander, J. B., B.Sc. S A. Hd., An. Lab. and Res. Chem.

..... Chemist.
De la Rey, B. D. Instrument Maker.
Owen, Mrs. M. H. Sec.

Wattle Research Institute (P.)

Shaw, H., M.Sc.Tech., Ph.D. Manc., F.R.I.C. Dir.
Martin, W. S., D.Sc., Ph.D. Lond., D.I.C. Soil Chemist.
Moffett, A. A., B.Sc. Birm., Ph.D. Lond. Geneticist.
Nixon, Kathleen, M.Sc. Asst. Geneticist.
Sherry, S. P., B.Sc. S.A., M.A. Oxon. Silviculturist.
Parkinson, J. C., B.Sc. For. Asst. Silviculturist.
Ossowski, L. L. J., M.F., For. Ing., D.Sc. Poznań Entomologist.
Gordon-Gray, C. G., B.Sc. Chemist.
Smith, Miss E. K. Sec.
5 Jr. Tech. Assts.

ADMINISTRATIVE AND OTHER STAFF

DEPUTY LIBRARIANS: H. L. Maple, B.A. Lond., M.A. Cape; L. Milburn, B.A. Lond.

STUDENT ADVISER AND EMPLOYMENT OFFICER: O. F. Black, B.Sc. Stell., M.A., Ph.D. Col.

NON-EUROPEAN SECTION. Organizer: Dr. M. Palmer.

WARDENS OF RESIDENCES. Pietermaritzburg: Men's Residence, O. F. Black, B.Sc. Stell., M.A., Ph.D. Col.; University Hall (Women), Mrs. M. E. Kirwood. Durban: Men's Residence, T. H. Kelly, M.Com., Ph.D. Birm.; Charles James Hall (Women), Elizabeth Sneddon, M.A. Glas.; Wentworth College Non-European Residence, G. C. Cato, M.A., B.D. Aberd.

SUPTS. OF GROUNDS AND BUILDINGS: W. G. Vorster (Durban), G. Smith (Pietermaritzburg).

GENERAL INFORMATION

Established by an Act of 1909, Natal University College was opened in 1910 in the Town Hall and moved in 1912 to its own buildings (which, with equipment, cost £60,000) in the suburb of Scottsville, Pietermaritzburg. A new Science block and a women's hall of residence were added in 1921 and a residence for men in 1928. A new wing was added in 1934 and a Library and Fine Arts School in 1936. In 1926, a site of 50 acres at Stellawood, Durban, was presented by the Corporation of the City of Durban, for the erection of an Engineering College. An amount of £50,000 was donated by Mr. T. B. Davis in 1924 for this purpose. Howard College, as it is called to-day, was opened in Durban in 1931. A new Commerce Building, situated on a central site in the city of Durban, was added in 1936. By virtue of Act No. 4 of 1948, the Natal University College was incorporated as the University of Natal. It came into legal existence as an independent University on March 15, 1949, and, in addition to fulfilling its previous functions, is now entitled to examine its own students and grant degrees and diplomas.

CONSTITUTION. The University consists of the Chancellor, Vice-Chancellor, Principal, Council, Senate and Convocation; the professors, lecturers and other teachers; the directors or heads of research institutes controlled by the Council; and the students of the University. The Chancellor, elected by the Council, is the head of the University, and as such is empowered, in the name of the University, to confer all degrees. The chief academic and administrative

officer of the University is the Principal, who is *ex officio* a member of the Council and the chairman of the Senate. The Council, which elects its own chairman, is the governing body of the University and administers its affairs and property.

FACULTIES AND DEANS. *Agriculture*, Prof. C. W. Abbott; *Arts*, Prof. J. McKinnell; *Commerce and Public Admin.*, Prof. T. H. Kelly; *Education*, Prof. A. Lloyd; *Engineering*, Prof. H. Biesheuvel; *Law*, Prof. E. M. Burchell; *Medicine*, Dr. G. W. Gale; *Science*, Prof. A. W. Bayer; *Social Science*, Prof. L. Kuper.

The Facs. of Arts (and Dept. of Fine Arts), Sci., Law, Educn. and Agric. function in Pietermaritzburg. In Durban, the Facs. of Arts, Med., and Sci. (with limited choice of subjects), Law, Engin., Commerce and Public Admin., Social Sci. and Dept. of Archit. function.

LOCATION. The Univ. is the only Univ. inst. in S. Africa which functions in two large cities, viz. Pietermaritzburg and Durban. These cities are 56 miles apart. One Council and one Senate control the Univ. as a whole, and meetings are held in alternate centres. A certain amount of duplication of work in both centres is inevitable.

LIBRARIES, ETC. Pietermaritzburg: approx. 25,000 vols. Durban, at Howard College and at City Bldg.: approx. 14,000 vols.; Non-European section (Sastri College grounds): approx. 3000 vols. TEACHING HOSPITAL (non-European medical students): King Edward VIII Hosp. MEYRICK BENNETT CHILDREN'S CENTRE. NATAL AGRICULTURAL RESEARCH INSTITUTE (of which the Fac. of Agric. is a part).

DEGREES. B.A., B.Sc., B.Com., B.Econ., B.Soc.Sc.—3 yrs. B.A. Fine Arts, B.Sc.Eng., B.Sc.Sur., B.Sc.Agric., B.Soc.Sc. (S.W.)—4 yrs. B.Arch., B.Sc. Q.S.—5 yrs. M.B., Ch.B.—7 yrs.

HIGHER DEGREES. B.Ed.—at least 2 yrs. after first degree. LL.B.—not less than 3 yrs. after first degree. B.A. Hons., B.A. Fine Arts (Hons.), B.Sc. Hons., B.Sc. Chem.Tech., B.Com. (Hons.), B.Econ. (Hons.), B.Soc.Sc. (Hons.), M.Sc.Agric., M.Sc.Eng., M.Sc.Sur., M.Ed.—not less than 1 yr. after corresponding Bachelor's degree. M.A., M.A. Fine Arts, M.Sc., M.Sc. Chem.Tech., LL.M., M.Com., M.Econ., M.Soc.Sc., M.Soc.Sc. (S.W.), M.Arch.—not less than 2 yrs. from corresponding Bachelor's degree. Ph.D.—not less than 3 or 4 yrs. (according to Fac.) after Bachelor's degree. D.Sc.Agric.—not less than 5 yrs. after B.Sc.Agric. D.Litt. (D.Litt. in Fac. of Ed.—5 yrs. from B.Ed.), LL.D., D.Sc., D.Econ., D.Soc.Sc., D.Sc.Eng.—not less than 6 yrs. after corresponding Bachelor's degree. D.Arch.—not less than 7 yrs. after B.Arch.

DIPLOMAS. Univ. Education Dipl. (General, Special or Technical)—1 yr. postgraduate. Univ. Education Dipl. (non-graduate)—1 yr. Dipl. in Archit.—5 yrs.

TERMS. The academic yr. is divided into 2 terms, the first of which begins towards the end of Feb.

ADMISSION. *See* Appendix I. Students who are not qualified, or who do not desire, to take a regular course may be admitted to individual classes, provided the prof. or lectr. concerned is satisfied that they are competent to profit by the instruction given. Students who have S.A. Jt. Matricn. Bd. School Leaving Certifs. may, in certain cases, obtain conditional exemption from the Matricn. Examn. which would entitle them to enrol for degree courses.

LANGUAGE OF INSTRUCTION. English.

NON-EUROPEAN SECTION. This is a separate section (temporarily housed in Sastri College belonging to the Natal Provincial Admin.) of the Univ. which has been established in Durban. The students, who are drawn mostly from the teaching profession, are pt.-time and take degrees in Arts, Commerce and Admin., and Social Science. Most of the classes are held at week-ends. The full-time staff of the Univ. organize and conduct the work. For some subjects pt.-time staff are engaged annually. The newly established Fac. of Medicine for Non-European students has commenced its activities at Wentworth College, where medical students will receive their period of pre-medical training extending over 2 yrs.

GRADUATES' ASSOCIATION. Prior to 1949 the chief assocn. of graduates was known as the Natal University College Union, founded in 1922. With the attainment by the College of Univ. status, the functions of the Union have devolved upon Convocation.

FEES (inclusive). *Tuition* (for first-yr. courses): Arts, Fine Arts, Commerce, Social Science, £58 p.a. Agric. Science, £68 p.a. Law, Engin., Surveying, Quantity Surveying and Archit., £78 p.a. Med., £60 for each of the two pre-medical yrs., £75 p.a. for subsequent yrs. of study. In subsequent yrs. of study other than the first yr. for all facs. except med., a reduction of from £2 : 10s. to £10 p.a. is granted. *Residence Fees*, £100 p.a.

STUDENT ORGANIZATIONS. The Athletic Union, which functions in both seats of the Univ., is the chief student organization, whose function it is to exercise control over the activities and finances of the various sporting clubs in each centre. There is also a Jt. Athletic Union organization which concerns itself mainly with sporting tours undertaken by Univ. clubs. Information concerning the various Student Socs., Clubs and Cttees. is issued by the Students' Representative Council in each centre. The S.R.C. is the body elected to deal with all student affairs and is the students' official avenue of approach to the authorities of the Univ.

RESIDENCE. (For Wardens *see* "Administrative and other Staff," p. 1147.) Students are normally expected to reside at one of the residences unless living with their parents. *European*: Men's Residence, P.O. Oribi, Pietermaritzburg (*Telephone*: 2-6778), accomm. for 350. University Hall (women), Pietermaritzburg (*Telephone*: 2-6648), 160. Ansell May Hall (men), Princess Alice Ave., Durban (*Telephone*: 5-7992), 180. Charles James Hall (women), Princess Alice Ave., Durban (*Telephone*: 5-7988), 55. *Non-European*: Wentworth College (men), Durban (*Telephone*: 87-7400), 60.

A STUDENT ADVISORY SERVICE has been established to help students to solve their many problems—personal, social, academic, financial, vocational, etc. An APPOINTMENTS AND EMPLOYMENT BUREAU exists to obtain suitable appts. for graduates and pt.-time and vacation employment for students.

PUBLICATIONS. *Calendar* (Dec.), 10s.; Staff publication, *Theoria*, 2s. 6d.; students' newspaper, *NUX*, 3d.; *University of Natal Gazette.*

THE YEAR 1953

NEW BUILDINGS. Principal's Residence, Durban; Registrar's Residence, Durban; Extension to Women's Residence, Pietermaritzburg; Additions to Hostel, Wentworth.

RETIREMENTS. Prof. F. B. Burchell (Law); Prof. A. F. Hattersley (Hist.); Prof. H. Clark (Elect. Engin.).

NEW DEPARTMENT. Dept. of Pathol. (Medical Sch.).

NEW POSTS. Chairs of Chem. Engin. and Phys. Chem. Sr. Lectureships in Archit., Chem., Classics, Educn., Geog. Lectureships in Chem.(2), English (2), Geog. (2), Phys. (2), Psychol. (2), Educnl. Psychol., Educn., French, Geol., Archit.

RESIGNATIONS. Mrs. W. A. Maxwell (Sr. Lectr. in Hist.), Dr. H. A. E. Mackenzie (Sr. Lectr. in Chem.), Dr. J. R. Parrish (Res. Off., Sugar Milling Res. Inst.), P. Quinton (Lectr. in Speech and Drama), R. M. Walker (Lectr. in Maths.).

DEATH. P. Wentworth-Ball (Sci. Asst., Paint Indus. Res. Inst.).

HONORARY DEGREES. *LL.D.*—Sir Alexander Carr-Saunders, E. de S. Brunner. *D.Litt.*—Roy Campbell.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	1749	84
Women	388	31
Total	2137	115

New admissions, 674.
Postgraduate students, 154.
Students from other countries, 143 (88 from Rhodesias).

DEGREES AWARDED. Ph.D. (Arts), 1; Ph.D. (Sci.), 1; Ph.D. (Eng.), 1; Ph.D. (Commerce and Admin.), 1; M.Ed., 1; M.A., 4; M.Sc., 12; M.Sc. Eng., 1; LL.B., 10; B.Ed., 2; B.A. (Fine Arts) (Hons.), 2; B.A. (Hons.), 12; B.Sc. (Hons.), 8; B.Soc.Sc. (Hons.), 1; B.A. (Fine Arts), 3; B.A., 71; B.Sc., 30; B.Sc.Eng., 35; B.Sc.Sur., 9; B.Sc.Chem.Tech., 2; B.Arch., 4; B.Sc.Agric., 19; B.Com., 13; B.Soc.Sc.(S.W.), 2; B.Soc.Sc., 4. *Total number of degrees awarded*: 252.

THE UNIVERSITY OF THE ORANGE FREE STATE

Founded 1855

Postal Address: Bloemfontein, Orange Free State, South Africa.
Telephone: 5184.

CHANCELLOR—THE HON. ADV. C. R. SWART, B.A., LL.B.

CHAIRMAN OF COUNCIL—J. F. ENSLIN, B.A., M.Educ., LL.B.

RECTOR AND VICE-CHANCELLOR—Professor H. v. D. MERWE SCHOLTZ, M.A., D.Litt.

REGISTRAR—GEO. P. J. DU TOIT, B.Econ., B.A., LL.B.

LIBRARIAN—S. I. MALAN, M.A., F.S.A.L.A.

TEACHING STAFF

Accounting and Auditing

Samuels, H. J., M.Com. Prof.
van Niekerk, A. F., B.Com. Lectr.

Afrikaans and Dutch

Badenhorst, W. J., D.Litt. Pret., M.A. Prof.
Kok, B., Litt.Docts. Utrecht, M.A., D.Litt. Prof.
Lategan, F. V., M.A. Sr. Lectr.
Beukes, G. J., D.Litt. Pret., M.A. Sr. Lectr.

Astronomy

.....

Bantu Languages, Ethnology and Native Administration

van Schalkwyk, A., M.A., D.Phil. Stell. Prof.
van der Westhuizen, S. B., M.A. Sr. Lectr.
Boshoff, W. F., B.A. Lectr.

Botany

Lütjeharms, W. J., Phil.Nat.D. Ley. Prof.
Bakker, E. M. von Z., Ph.D. Sr. Lectr
Coetzee, Miss J. A., M.Sc. Rand Asst.

Chemistry, Organic and General

Groenewoud, P. W. G., D.Phil. Oxon., M.Sc. Prof.

Chemistry, Physical and Applied

Bok, L. D. C., M Sc, Phil.Nat.D. Prof.
De Wit, J. H., M.Sc. Lectr.

Classics and Classical Culture

Steven, S. J. H., B.A. Oxon., M.A. Cape Prof.
van Rooy, C. A., M.A. S.A., B.A. Oxon., D.Phil. Lectr.

Commerce

Fourie, F. C. v. N., B.A., B.Com. Cape Prof.
Stockenström, F. F. de W., B.Com. Lectr.

Economics and Economic History

Du Plessis, C. v. H., M.A. Stell., M.Sc. Minn., D.Phil. Pret. Prof.

van Rensburg, W. J , M.A Lectr.

English

Hopwood, D., M.A. Oxon., D.Litt Stell. Prof.
Loubser, J. W., M.A. Oxon. Prof.
Mackenzie, Barbara A., M.A , D.Litt. Cape, B.Litt. Oxon. Prof.
Green, H., D.Litt. Prof.
Mostert, C. W , B.A. Sr. Lectr.

Geology and Geography

De Villiers, J. E., Ph.D. S.A., D.Sc. Stell. Prof.
Schmidt, A. A.. M.A. Stell. Sr. Lectr.
Louw, J. H. F , M.Sc. Lectr

German and French

Dekker, J. J., Dr.Phil. Vienna, M.A. Prof.
Lichtenberg, K. F. W., M.A., D.Phil. Berl. Lectr.

Hebrew

Block, M., Dr.phil. Zür. Lectr.

History

Uys, C. J., D.Litt. Pret., M.A. Prof.
Oberholster, J. J., M.A., D.Phil. Stell. Sr. Lectr.

Hygiene

van der Merwe, I. R., B.A., M.Ed., D.Phil. S.A. Sr. Lectr.

Law

Joubert, W. A., B.A., LL.D. Prof.
van Themaat, V., J.P., B.A. LL.B. Stell., Docts. Jr. Leyd., LL.D. Pret. Prof.
van Heerden, H. J. O. Sr. Lectr.
Ross, J. J. Sr. Lectr.

Lecturers

Gray, F. W.
Harris, S. N.
Jacobs, H. R.
Potgieter, H.
Pretorius, J. S.
van der Walt, B. G.

Mathematics, Pure and Applied

Malan, A. P., M Sc. S.A. Prof.
van Wyk, C. B , M.Sc. Stell., Ph.D. Camb. Prof.
Reitsma, A., M Sc S.A Sr. Lectr.

Music

Roode, D. J., B Mus. S A. Prof.
van der Merwe, F., B.Mus. Rand. (Singing) Sr. Lectr.
Koole, A. J. C., Dipl.Kons Amst., D.Litt. et Phil Lectr.
Kautzky, Mrs. G. Lectr.

Philosophy

Venter, E. A., M.A , M.Th. Stell., M.Div. S A., Ph.D Cape, D D. S A. Prof.

Physical Education

van der Merwe, I R., B.A , M.Ed., D.Phil. S A. Sr. Lectr
van der Merwe, Miss C. A.
Brussow, A. V.

Physics

Loubser, J. H. N., B.Sc. Cape, M.Sc. Stell., D.Phil. Oxon. Prof.
van der Byl, J., M.Sc. Stell., A.M. Harv. Sr. Lectr.
Alberts, L., D.Sc. Lectr.

Political Science

Strauss, H. J., Docts.Jur. Amst., B.A. Prof.

Psychology

Schmidt, A. H., M.A. Stell., B.Litt. Oxon. Prof.
Eloff, G., M.A., D.Sc. Gron. Sr. Lectr.

Sociology and Social Work

Keyter, J. de W., M.A., B.Ed. Stell., Dr.Phil. Mün. Prof.
Vorster, H. R , M.A., D.Phil. S.A. Sr. Lectr.
Prinsloo, Miss M. J. M., M.Comm. S.A., B.A. (S.S.). Sr. Lectr.
van Schouwenburg, Mrs. L. J., B.A. (S.S.) Stell., B.A. S.A. Sr. Lectr.

Retief, F. P. le R., B.A. Lectr.

Statistics and Finance

Reitsma, A., M.Sc. Sr. Lectr.

Zoology

De Wit, J. J. D., Phil.Nat.D. Utrecht Prof.

van Pletzen, R., D.Sc. Stell. Lectr.

Dreyer, Miss M. V., B.Sc. S.A. Asst.

Teachers' College of the University of the O.F.S.

Loubser, Prof. J. W., M.A. Oxon., B.Ed. Principal.

Blignault, Prof. H., B.A., D.Ed. Stell. Dean of Fac.

Education

Blignault, H., B.A., D.Ed. Stell. (Educ. Psychol.) Prof.

Loubser, J. W., M.A. Oxon. Prof.

Green, J. T.

Erasmus, O. C., B.A., M.Ed. (Pedagogy) Sr. Lectr.

Lategan, F. V., M.A. (Afrikaans) Sr. Lectr.

Smit, A., M.A., M.Ed. (Hist. and Geog.) Sr. Lectr.

van Rooyen, G. H., B.Sc. (Agric.) (Hyg. and Nature Study) Sr. Lectr.

Britton, A. H., B.A., B.Ed. (Phys. Educn.) Sr. Lectr.

Venter, E. H., B.Ed., B.A., B.Com. (Woodwork) Sr. Lectr.

Botha, G., B.A., B.Sc., B.Educ. (Arith.) Sr. Lectr.

Botma, J. P., M.A., D.Ed. Stell. Sr. Lectr.

Loubser, Miss A. S., B.A.

Willmot, Miss A. Sr. Lectr.

Hopewell, Miss D., B.A. (Fine Arts) (Drawing and Hist. of Art) Sr. Lectr.

van Loggerenberg, Rev. J. H., B.A. (Bible Hist.).

Nienaber, Miss H. Instr.

McDonald, Mrs. D. Instr.

Welman, H. G., B.Com. (Shorthand and Typewriting) Asst.

Domestic Science—Members of Staff of Dom. Sci. Dept. of the Meisieskool, Oranje.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar: A. S. Theron, B.Com. Book-keeper: M. C. Schwella. Registration Officer: H. W. D. Coetzee.

GENERAL INFORMATION

Founded in 1855 by Sir George Grey, by Act No. 21 of 1949 the College was granted independent status, and on March 18, 1950, became the University of the Orange Free State. It provides courses for degrees in Arts, Science, Law, Education, Commerce, Music, Physical Education and professional qualification for Social Workers, also preliminary training for Med. and Chem., Engineering, Agricultural and Veterinary Science. Facilities are also provided for students preparing for the " Admissie-eksamen " of the Theological Seminary at Stellenbosch. Students have access to the Fichardt Library, Railway Library, Union Govt. Archives, War Museum, National Museum, Lamont Observatory and Boyden Observatory.

CONSTITUTION. The University consists of the Chancellor, the Rector (who is *ex-officio* also Vice-Chancellor), the Council, the Senate, Convocation, and the Professors, Directors or heads of res. institutions controlled by the Council, Lecturers, other teachers and students of the Univ.

FACULTIES AND DEANS. *Arts*, Prof. B. Kok ; *Sci.*, Prof. W. J. Lutjeharms ; *Soc. Sci.*, Prof. J. de W. Keyter ; *Comm. and Pub. Admin.*, Prof. H. J. Samuels ; *Educ.*, Prof. H. Blignault ; *Law*, Prof. W. A. Joubert.

The USUAL LANGUAGE OF INSTRUCTION is Afrikaans.

TERMS. Feb. to June, July to Nov.

DEGREE COURSES. B.A.—3 yrs. ; M.A.—2 yrs. after corresponding bachelor course ; D.Litt. ; D.Sc.—3 yrs. ; M.Sc.—2 yrs. after corresponding bachelor course ; D.Sc. ; B.A. (S.S.)—3 yrs. ; M.A. (S.S.)—2 yrs. after corresponding bachelor course ; D.Phil. ; B.Com.—3 yrs. ; M.Com.—2 yrs. after corresponding bachelor course ; LL.B.—3 yrs. after corresponding bachelor course ; LL.D. ; B.Mus.—3 yrs. ; M.Mus.—2 yrs. after corresponding bachelor course.

DIPLOMA COURSES. Univ. Dipl. in Educn. (1 yr.'s postgraduate study) ; Dipl. in Soc.Sci. (3 yrs.) ; Dipl. in Music—3 yrs. ; Dipl. in Law—3 yrs. ; Attorney's Admission Examn.—3 yrs. ; Accountants' Examn.

ADMISSION. *See* Appendix I.

HOSTELS for students within the Univ. grounds to accommodate 210 women and 260 men. Board and residence, £108 p.a. Tuition fees, £20 per semester (£27 per semester for B.Sc.).

EXTRA-MURAL WORK in the Facs. of Law, Arts and Comm.

PUBLICATIONS. *Calendar* and two students' magazines—*Shimla*, published annually, and *Irawa*, published monthly.

THE YEAR 1953

STUDENT NUMBERS.

	Full-Time	*Extra-Mural*
Men	494	292
Women	408	22
Total	902	314

Postgraduate students, 173.
New admissions, 459.

DEGREES AWARDED. B.A., 55 ; B.P.Ed., 2 ; B.A. (S.S.), 7 ; B.Com., 29 B.Sc., 19 ; LL.B., 5 ; B.Ed., 11 ; M.Ed., 1 ; M.A., 8 ; M.Com., 2 ; M.Sc., 2 D.Ed., 1 ; D.Litt., 1.

DIPLOMAS AWARDED. Music, 7 ; U.E.D., 42 ; Dipl. in Soc. Work, 2.

[*Information compiled as at* 7/6/54.]

THE POTCHEFSTROOM UNIVERSITY

FOR CHRISTIAN HIGHER EDUCATION *

Founded 1869 ; incorporated as an independent University, 1951.

Postal Address : Potchefstroom, Transvaal, South Africa.
Telephone : Potchefstroom 148 and 758.

CHANCELLOR—Professor J. C. VAN ROOY, M.A. S.A., D.Phil. V.U. Amst.

CHAIRMAN OF COUNCIL—Rev. H. J. R. DU PLESSIS

VICE-CHANCELLOR, PRINCIPAL AND CHAIRMAN OF THE SENATE—Professor J. C. COETZEE, M.A., M.Ed , D Phil. S.A., F.B.Ps.S.

VICE-CHAIRMAN OF THE SENATE—Professor D. J. VAN ROOY, M.A. S.A.

PRESIDENT OF CONVOCATION—Professor L. J. DU PLESSIS, M.A., M.Econ., LL.B. S.A.

REGISTRAR—S. DU TOIT.

ASSISTANT REGISTRAR—G. P. SCHOEMAN, B.A. S.A., B.Comm. Pret.

LIBRARIAN—H. C. VAN ROOY, M.A. S.A., B.Sc. Col., F.S.A L.A.

TEACHING STAFF

Accounting and Auditing

Jooste, F. J , B.Comm. Stell. Sr. Lectr.
Stoker, H., B.Comm. Pret Lectr.

Afrikaans and Nederlands

Dekker, G., M.A. S.A., D.Litt. et Phil. Amst. Prof.
Labuschagne, F. J., M.A. S.A. Prof.
Venter, H., M.A., D.Litt. S.A. Sr. Lectr.
Cloete, T. T., M.A. S.A., D.Litt.et Phil. Amst. Lectr.

Bantu Languages

Breed, J., B.A. Pret. Lectr.
Kaske, E. F. K. Pt.-time Lectr.

Biology, v Zoology *infra*.

Botany

Goossens, A. P., Ph.D., D.Sc. S A., F.R.S Prof. and Dean.
Botha, P. J., M.Sc., Ph.D. S.A. Prof.
Papendorf, M. C., M.Sc., Ph.D. S.A. Lectr.

Chemistry and Pharmacy

Du Plessis, D. J., M.Sc. S.A., D.Phil. Bonn. Prof.
Tiedt, J., M.Sc. S.A., Ph.D. Leeds. Sr. Lectr.
Van den Berg, J. A., M.Sc. S.A. Lectr.
Van der Walt, T., B.Sc. Jr. Lectr.
Steyn, I. N., Dip.Pharm. Temp. Lectr.

* Member of the Association of Universities of the British Commonweath.

Commerce and Commercial Arithmetic

Viljoen, D. J., M.Comm. S A. Prof.

Coetzee, F. J. J., B.A., B.Comm., B.Econ. S.A. Lectr.

1 Temp. Asst.

Domestic Science

Potgieter, Mrs. Maria M., B.Sc. (Dom.Sc.) Pret. Sr. Lectr.

Joubert, Elsie S., B.Sc. (Dom.Sc.) S.A. Lectr.

Du Plessis, Gwendolyn, B Sc. (Dom.Sc.) Jr. Lectr.

2 Jr. Lectrs. to be apptd.

Economics, Economic History, Banking and Currency

Van Deventer, B., B.Comm , M.Econ. S.A., D.Econ. V.U. Amst., F.C.I.S. Prof. and Dean.

Erasmus, D. P., B.Comm. S.A., M.Comm. Lectr.

Du Plessis, F. J., B.Comm. Lectr.

Education

Bingle, H. J. J., M.Ed., D.Phil. S.A. Prof. and Dean.

Snyman, J. J., M.A., M.Ed. S.A., D.Ed. Prof.

Van der Merwe, P. J., M.A. Rand Pt.-time Prof.

Schutte, B. C., M.Sc. S.A., D.Ed. Sr. Lectr.

English

Davies, R. E., M.A. S.A., Ph.D. Lond. Prof.

Fourie, I. J. v. H., M.A., D.Phil. S.A. Sr. Lectr.

Pretorius, J., B.A. S.A., M.A. Lectr.

3 Temp. Assts.

Ethnology

Lehmann, F. R., cand. theol., cand. rev. min., Kand. d. höh Lehramptes, Dr. Phil. et phil. habil. Leipzig. Temp. Prof.

French

..... Sr. Lectr.

Geography

Van der Merwe, J. S., M.Sc., M.A. S.A. Prof.

Duvenage, J. P , M.A. S.A. Sr. Lectr.

1 Temp. Asst.

Geology

Ackermann, P. B., M.Sc. Cape T. Prof.

Bisschoff, A. A., M.Sc. S.A. Lectr.

1 Temp. Asst.

German

Schulze, H. G., M.A. S.A., D.Phil. Bonn. Prof.

Brandt, P. A., M.A. S.A , D Phil. Leipzig. Lectr.

Greek

Postma, A., M A. S.A., Cand. Theol. Sr. Lectr.

Grobler, J. H., B.A. S A., M.A. Pret. Lectr.

History

Krüger, D. W., M.A., D.Litt. S.A. Prof. and Dean.

Du Plessis, J. S , M.A. S A., D.Litt. Sr. Lectr.

History and Appreciation of Art

Dekker, G., M.A. S.A., D.Litt. et Phil. Amst. Prof.

Latin

Coetzee, W. N., M.A., D.Phil. S.A., M.Ed. Stell. Prof.

Coetzee, J. J., M.A. S.A. Lectr.

Law and Politics

Swanepoel, H. L., B.A., LL D. Stell. Prof.

Du Plessis, L. J., M.A., M.Econ., LL.B. S.A. Prof.

Van Zyl, F. J., B.A., LL.B. Stell. Sr. Lectr.

3 Pt.-time Assts.

Mathematics and Applied Mathematics

Van Rooy, D. J., M.A. S.A. Prof.
Robbertse, W. P., M.Sc. S.A., Dr.Sc.T. Delft Prof.
De Wet, J. M., M.Sc. S.A., B Sc. Ing. Rand, Ph.D. Lond. Sr. Lectr.
Schutte, H J., M.Sc. S.A., D.Sc. Ley. Sr. Lectr.

Music (Academic).

Malan, J. P., B.A., B.Mus. S.A., D.Phil. Vienna. Sr. Lectr.
Van der Walt, J. J. A., B.Sc., B Mus. S.A , U.O.L M. S.A Lectr.

Music (Practical)

Roode, M. C., B.Mus. S.A. Prof. and Head of Conservatoire.
De Villiers, P., B.A. Stell. Lectr.

Native Administration

Coetzee, J H., M.A. S.A., D.Phil. Sr. Lectr. and Dean.

Philosophy

Stoker, H. G., M.A. S.A., D.Phil. Cologne. Prof.
Taljaard, J. A. L., M.A. S.A., Phil. Drs. V.U. Amst. Lectr.

Physical Education

Smith, D. P. J., B.A., M.Ed., D.Phil. S.A , Dipl. Turn-, Sport- u. Gymn.-Lehrer Berl. Prof.
Joubert, I. J., B.A., M.Ed. S.A. Lectr.
Stoker, Arina, B.P.Ed. S.A. Temp. Lectr.

Physics

Stoker, P H., B.Sc. S.A., M.Sc. Cape T., D.Sc. V.U. Amst. Sr. Lectr.
Meyer, M. A. du T., B.Sc. S.A., M.Sc. Cape T., D.Sc. Delft Sr. Lectr.
De Beer, J. F., B.Sc. S.A., M.Sc. Stell., M.Sc. Lectr.
1 Instrument maker ; 3 Jr. Demrs.

Physiology

Hamersma, P. J., D.Sc. Pret. Prof.
Pretorius, P. J., B.Sc. Jr. Lectr.

Psychology

Hattingh, J. M., M.A., D.Phil. S.A. Prof.
Schoeman, C. F., B.A. (S.S.), M.A. S.A. Lectr.
Strümpfer, D. J. W , B.Sc. S.A., M.Sc. Lectr.

Social Work

Venter, C. N., M.Soc.Sc. Lectr.
1 Temp. Asst.

Sociology

Du Preez, D. C. S , M.A. Rand, D.Phil. V.U. Amst. Prof.
Van der Walt, P. J., B.A. S.A., B.Educ., M.A., D.Phil. Pret. Sr. Lectr.

Theology, Bible and Semitic Languages

Du Toit, S., M.A. Pret., M.Div., D.D. S.A. Prof. and Dean.
Snyman, W. J., B.A., B.D. S.A., Theol. Drs. V.U. Amst. Prof.
Jooste, J. P., B.A., D.D. S.A. Prof.
De Klerk, P. J. S., B.A. S.A., Th.D. V.U. Amst. Prof.
Van der Walt, S. P., M.A., B.D., D.Phil. S.A. Prof.
Kroeze, J. H., Dr. Theol., Litt. Sem. Drs. V.U. Amst. Prof.

Zoology and Biology

Eiselen, G. T. S., M.Sc. Rand, Dr. rer. nat. Jena Prof.

Van Eeden, J. A., D.Sc. Stell. Sr. Lectr.
Ryke, P. A. J., D.Sc. Stell. Lectr.
Van Eeden, D., B.Sc. S.A. Lectr.
1 Temp. Jr. Lectr.

Conservatoire of Music

Wegelin, A. W
Smuts, S.
Van Kooten, C. H.
Nieuwenhuizen, Mrs. Douwlina S.
Pretorius, Mrs. Thelma.
Paulsen, Erica P.
Sander, Elfriede
Coetzee, Mrs. Miemie R.
De Wet, Mrs. Heine G.
Swanepool, Mrs. Anna D.
20 Pt.-time Assts.

ADMINISTRATIVE AND OTHER STAFF

Organizer: C. J. H. Schutte, B.Comm. S.A. Accountant: P. J. de Wet. Extension Officer: D. J. Eloff, B.A.(S.S.) S.A. Asst. Librarian: Mrs. Johanna C. van Rooy, B.A. S.A., B.Sc. Col., F.S.A.L.A. Warden of Residences: D. J. van Rooy, M.A. S.A. Supt. of Grounds and Buildings: G. Bosman. Technical Section: A. J. v. N. van der Walt.

INSTITUTIONS IN CO-OPERATION WITH THE UNIVERSITY

THEOLOGICAL SEMINARY OF THE DUTCH REFORMED CHURCH. Founded 1869; Rector: Prof. S. du Toit, M.A. Pret., M.Div., D.D., S.A.; *Address*: P.O. Box 4, North Bridge, Potchefstroom; *Telephone*: 159, Potchefstroom.

TEACHERS' TRAINING COLLEGE. Founded 1919; Principal: Prof. P. J. van der Merwe, M.A. Rand; *Address*: P.O. Northbridge, Potchefstroom: *Telephone*: 261, Potchefstroom.

AFFILIATED INSTITUTION

CONSERVATOIRE OF MUSIC OF THE POTCHEFSTROOM UNIVERSITY FOR CHRISTIAN HIGHER EDUCATION. Founded 1950; Head: Prof. M. C. Roode, B.Mus. S.A. *Address* and *Telephone* same as Univ.

GENERAL INFORMATION

HISTORY. Founded in 1869, the present Univ. was incorporated in 1921 as a constituent Coll. of the Univ. of South Africa under the name of "The Potchefstroom University College." An amendment to the Potchefstroom Univ. Coll. Private Act was passed by Parliament in 1933, reinstating the original name Potchefstroom University College for Christian Higher Education. In 1950 Parliament passed a Private Act whereby the Coll. became an independent Univ. as from March 17, 1951.

CONSTITUTION. The Univ. consists of the Chancellor, Vice-Chancellor, Principal, Council, Senate and Convocation; the Professors, Lecturers and other teachers; and the students. The Chancellor, elected by the Council, is the head of the Univ., and as such is empowered to confer all degrees. The chief academic and administrative officer is the Principal, who is *ex officio* a member of the Council, and Chairman of the Senate. The hds. of academic depts. and heads of res. insts. are members of the Senate. The Council, which elects its own chairman, is the governing body of the Univ. and administers its affairs and property.

INCOME—£194,516 (Govt. Grant, 73·8 per cent.; Annual Grants from Public Bodies, 2·3 per cent.; Interest on Investments, Rent received and sundry Income, 2·8 per cent.; Fees, 21·1 per cent.).

FACULTIES AND DEANS. *Arts*, Prof. D. W. Krüger; *Economic Sciences*, Prof. B. van Deventer; *Education*, Prof. H. J. J. Bingle; *Science*, Prof. A. P. Goossens; *Social Sciences*, Dr. J. H. Coetzee; *Theology*, Prof. S. du Toit.

LIBRARY. Ferdinand Postma Library: 71,264 vols.; 919 magazines and periodicals.

LABORATORIES. Applied Maths.; Bot.; Chem. and Pharm.; Dom. Sci.; Geog.; Geol.; Phys.; Phsyiol.; Psychol.; Phys. Educn.; Zool.

ENTRANCE REQUIREMENTS. For degree courses students must have obtained a matriculation exemption cert., for dipl. courses an ordinary sch. leaving cert. Students who are not qualified, or who do not desire to take an ordinary degree course, may be admitted to attend classes, provided the Prof. or Lectr. concerned is satisfied that they can profit by the instrucn. given. *See also* Appendix I.

FIRST DEGREES. B.A., B.Mus., B.Sc., B.Sc. (Dom.), B.Sc. (Hyg.), B.Comm., B.Soc.Sc.—3 yrs.

HIGHER DEGREES. Hons.B.A., Hons.B.Mus., Hons.B.Comm., Hons. B.Soc.Sc.—not less than 1 yr. after corresp. Bachelor's deg. B.Ed., LL.B.—not less than 2 yrs. after Bachelor's deg. Th.B.—not less than 4 yrs. after Bachelor's deg. M.A., M.Mus., M.Comm., M.Soc.Sc.—not less than 1 yr. after Hons. Bachelor's deg. M.Sc.—not less than 2 yrs. after corresp. Bachelor's deg. Th.M.—not less than 1 yr. after Th. deg. M.Ed.—not less than 1 yr. after B.Ed. deg. D.Litt., D.Phil., D.Sc., Th.D., D.Ed., D.Comm., D.Soc.Sc.—not less than 2 yrs. after corresp. Master's deg. D.Mus.—not less than 3 yrs. after corresp. Master's deg. LL.D.—not less than 2 yrs. after LL.B.

DIPLOMAS. Teacher's Dipl. in Music; Teacher's Dipl. in Sch. Music; Dipl. for Church Organists; Teacher's Dipl. in Dom. Sci.; Univ. Educn. Dipl. (non graduate)—3 yrs.; Artist's Dipl. in Music—1 yr. after Teacher's Dipl. in Music. Dipl. in Phys. Educn.—1 yr. after Teacher's Dipl. Univ. Educn. Dipl.—1 yr. postgraduate.

FEES. Registration fee, £2 p.a. Composite fees: Bachelor's degrees, from £39 to £51 (annually); Th.B., £24 (annually); Hons. Bachelor's degrees and B.Ed., from £43 to £48 (for course). Master's degrees in Arts, Educn., Econ. Scis. and Soc. Scis., £23 (for course); M.Sc., £71 (for course); Th.M., £43 (for course); Doctor's degrees, £55 (for course). Diploma Courses, from £40 to £50 (annually).

ACADEMIC YEAR. Feb. to Dec., 2 semesters: Feb. to end of June, Aug. to early Dec.

USUAL LANGUAGE OF INSTRUCTION. Afrikaans.

VACATION COURSES. Occasional short vac. courses may be offered if there is sufficient demand. Bi-yearly courses in Co-operation.

BURSARIES AVAILABLE FOR STUDENTS ENTERING THE UNIVERSITY FOR A FIRST DEGREE. Merit awards, from £10 to £15 p.a. for 3 yrs.; J. M. Hansen, £100 p.a. for 1 yr.

POSTGRADUATE AWARDS. Union Scholps., £300 p.a. for 2 yrs.; H. B. Webb Scholp., £150 p.a. for 2 yrs.; Elsie Ballot and Rhodes Scholps., £500 p.a. for 2 or 3 yrs.; Scholps. awarded annually by C.S.I.R. and National Council for Soc. Res.

STUDENTS' RESIDENCES. (*Postal Address*: P.U. for C.H.E., Potchefstroom). Fees, £80 p.a. Women: De Klerkhuis, 81 students; Piet Groblerhuis, 52.

Men: Postmahuis, 20; Uitspan, 36; Heimat, 38; Ons Huis, 49; Dawie du Plessishuis, 75.

STUDENTS' UNIONS. Students' Representative Council is elected by the students to deal with all student affairs. It controls a large number of clubs and organisations and is the students' official avenue of approach to authorities of the Univ.

STUDENTS' SPORT FACILITIES. Gymnasium, swimming bath, fields for rugby, tennis, hockey, cricket, baseball, netball, athletics, Jukskei, etc.

PUBLICATIONS. *Calendar* (Dec., free); *Prospectus* (June, free); *Die Veteraan*, annual for alumni (Nov., free); *Koers* (bi-monthly, 3s.); *Die Besembos, Die Pukkie, Die Wapad* (student publications).

THE YEAR 1953

PRINCIPAL BENEFACTIONS. Members of staff contribute on a voluntary basis to Univ. Extension Fund by means of regular percentage deductions from their salaries. During 1953 this amounted to £1187.

NEW BUILDINGS. Under construcn.: Phys. Lab. (£90,000); Students' Hall (£14,000). New residence for women students (£40,000).

NEW DEPARTMENTS AND POSTS. Dept. of French; Expansion of depts. of Bantu Langs., Ethnol. and Native Admin. Chairs of Law and Pol., and of Theol.; Lectureship in Social Work.

PRINCIPAL CHANGES IN REGULATIONS. New courses: Theory of Principles and Method and Theory of Philos. of Life (compulsory for first degrees and dipls.); Stats.; Dietets.; 3rd-yr. courses in Pol., Physiol. and Hygiene; 2nd yr. course in Hist. and Apprec. of Art; Extra-mural classes for B.Comm. degree. Courses abolished: Econ. Geog.; Shorthand and typing (as degree course); Hons. degree in Sci. depts.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Profs. J. H. Bavinck and L. van der Horst (V.U. Amst.); Lady Ogilvie (Leeds).

RETIREMENT. Prof. J. C. van Rooy, Principal.

DEATHS. Prof. J. D. du Toit, Chancellor; R. Grove (Member of Council); Rev. J. V. Coetzee (member of Council); Prof. B. J. de Klerk (Theol.).

HONORARY DEGREE. Th.D.—Prof. J. D. du Toit, theologian, poet, co-translator of Bible in Afrikaans.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	749	15
Women	225	3
Total	974	18

Postgraduate students, 281.

New admissions, 214.

Students from other countries, 24. (Countries from which largest numbers came: S.W. Africa, 14; S. Rhodesia, 6.)

DEGREES AWARDED. *Arts.*: B.A., 62; B.A. Hons., 12; M.A., 7. *Sci.*: B.Sc., 22; B.Sc. (Dom.), 2; B.Sc. (Hygiene), 2; Hons. B.Sc., 2; M.Sc., 4.

Theol.: Th.B., 6; Th.M., 1; Th.D. (H.C.), 1. *Educn.*: B.P.Ed., 4; B.D.Ed., 1; B.Ed., 28; M.Ed., 7; D.Ed., 3. *Econ. Scis.*: B.Comm., 22; Hons. B.Comm., 2; M.Comm., 1. *Soc. Scis.*: B.Soc.Sc., 2; Hons. B.Soc.Sc., 5; M.Soc.Sc., 1. *Total number of first degrees awarded*, 117; *Total number of postgraduate degrees awarded*, 80.

DIPLOMAS AWARDED. Univ. Educn. Dipl., 28; Univ. Educn. Dipl. (non-graduate), 4. Teacher's Dipl. in Music, 2. Teacher's Dipl. in Dom. Sci., 1 Dipl. in Social Work, 1.

[*Information compiled as at* 14/7/54 ;
Staff list revised on 13/10/54.]

UNIVERSITY OF PRETORIA *

Founded in 1910 as Transvaal University College after having been established as branch of the Transvaal University College, Johannesburg, in 1908. Incorporated in 1930 as University of Pretoria.

Postal Address : Brooklyn, Pretoria, Transvaal, South Africa.
Telegrams and Cables : Puniv, Pretoria (Bentley Code).
Telephone : Pretoria 4-3111.

CHAIRMAN OF COUNCIL—H. O. MÖNNIG, B.A. Cape, Dr.Phil. Zür., B.V.Sc. S.A.

CHANCELLOR—C. TE WATER, B.A., LL.B. Camb.

VICE-CHANCELLOR AND RECTOR—C. H. RAUTENBACH, M.A., B D. S.A., D.Phil.

REGISTRAR AND FINANCIAL ADVISER—MARTIN SMUTS, M.Com. (B. & A.).

LIBRARIAN—P. C. COETZEE, D.Phil. S.A., M.A.

TEACHING STAFF

Accountancy, v. Commerce and P.A., *infra*

Afrikaans Lang. and Lit., v. Dutch, Afrikaans and Germanic, *infra*

Agriculture, v. *infra*

Anthropology, v. Soc. Anthropol.

Architecture and Quantity Surveying

Meiring, A. L., B.A. Cape, B.Arch. Liv., F.R.I.B.A. (Design, Bldg. Construction, Acoustics) Prof.

Louw, T. H., B.Sc. (Q.S.) (Quantities, Mensuration, Professional Practice, Analysis of Bldg. Costs, Valuations and Reports, Estimates and Bldg. Finance) Sr. Lectr.

Wepener, F. J., B.Arch. Rand Lectr.

Brink, C. S., B.Arch. Cape, Dip. Town Planning Liv. Lectr.

..... Lectr.

15 Pt.-time Lectrs. and 6 from other Univ. Depts

Banking, v. Commerce and P.A., *infra*

Bantu Studies

Engelbrecht, J. A., M.A. Stell., Ph.D. Berl. (Bantu Langs.) Prof.

van Wyk, E. B., M A. Sr. Lectr.

Sentker, H. F., B.A. Pret. Temp. Jr. Lectr.

van Rensburg, D. H., B.A.

2 Demrs.

Biochemistry

Grotepass, F. W. K., Dr.Phil. Gött. Sr. Lectr.

Mentz, H. E. A., M.Sc. Lectr.

* Member of the Association of Universities of the British Commonwealth.

Botany and Biology, v. also Vet. Science

Mes, Margaretha G., B.Sc., Ph.D. Utrecht (Plant Physiol. and Plant Biochem.) Bertha Stoneman Prof.

Schweickerdt, H. G. W. J., B.Sc. S.A., Ph.D. Bonn (General Bot.) Louis Botha Prof.

Theron, J. J., M.Sc. S.A., D.Phil. Berl. Lectr.

Cholnoky, B. J , D.Sc. Szeged, D.Phil. Berl. Lectr.

4 Tech. Assts., 10 Demrs.

Chemistry, Inorganic and Analytical

Schilz, W. E., M.Sc , LL.B. S A., Ph.D. Munich, D.I.C. Prof.

Vogel, J. C., D Sc S A., Dipl.Ing. Karlsruhe Sr. Lectr.

Liebenberg, C. J , M.Sc. Stell. Lectr.

3 Tech Assts., 6 Demrs.

Chemistry, Organic

de Waal, H. L., M.Sc. Stell., Dr phil. Bonn, D.Sc. Dean, Fac. of Sci., Prof.

Brink, C. v. d. M., M.Sc. Stell. Sr. Lectr.

2 Lab. Assts., 2 Demrs.

Chemistry, Physical

le Roux, L. J., M Sc., B.Com. S.A., D.Sc. Prof.

Pretorius, V., M.Sc. Lectr.

1 Pt.-time Lectr., 1 Demr.

Classics, v. also History

Professors

Gonin, H. L., B.A. Stell., M.A. Oxon., Litt.D. Ley., LL.B. (Latin).

Pistorius, P. V., M.A., B.D. Stell., Litt.D. Ley., D.Litt. (Hellenic and Patristic Greek).

Lecturers

de Kock, E. L., Litt.D. Ley., M.A. (Greek).

la Grange, L. J. D., B.A. (Latin).

Lubbe, W. J. G., M.A. (Latin).

7 Pt.-time Lectrs.

Commerce and Public Administration, v. *infra*

Domestic Science

Ackerman, Esther M., A.M. Col , M.Sc. Corn., B.Sc. Dom.Sc. Sr. Lectr.

Meyer, Mrs. Aletta C., D.Sc. Stell. Sr. Lectr.

Muller, Zouna du T., B.Sc. Diet. Lectr.

Combrink, Veronica, B.Sc. Dom. Sc. Lectr.

1 Jr. Lectr , 1 Temp. Lectr.

Dutch, Afrikaans and Germanic Philology and Literature

Professors

Louw, S. A., Litt.Docts. Utrecht, M A., D.Litt. (Afr. and Dutch Lang.).

Kritzinger, M. S. B., M.A., D.Litt. S.A. (Afrikaans Lit.).

Buning, T., B.A., B.Sc. S.A., M.A., D.Litt., M.Ed. (Dutch Lit.).

Senior Lecturers

Bingle, J. P., M.A., H.E.D. (Afrikaans Lang.).

Scholtz, H. v. d. M., M.A. S.A., D.Litt. et Phil. Amst. (Afrikaans Lang.).

1 Temp. Lectr.

Economics, v. Commerce and P.A., *infra*

Education, v. *infra*

English

Titlestad, R. M., M.A., LL.B. S.A., M.A. Oxon. Prof.

Partridge, A. C., Ph.D. Cape T., M.A. Sr. Lectr.

Sabbagha, N. G., M.A. S.A. and Oxon. Sr. Lectr.

Knowles-Williams, Gweneth, M.A. Lectr.

van Huysteen, J. A., B.A. Rand Lectr.

Entomology, v. Agriculture, *infra*

French

Oosterhof, F. M. P., D.Litt. Sorbonne, M.A., H.E.D. Sr. Lectr.
1 Jr. Lectr.

Geography and Econ. Geog.

Scheepers, G. H., B.A. S.A., D.Sc. Hamburg, M.Sc. Prof.
Hugo, C. F., B.A. S.A., M.A., D.Phil. Stell. Sr. Lectr.
Vorster, J. H., M.Sc. Lectr.
1 Tech. Asst., 7 Demrs.

Geology

Willemse, J., Ph.D. Zür., M.Sc. Prof.
Visser, D. J. L., D.Sc. Sr. Lectr.
Zagt, S., M.Sc. Lectr.
Koen, G. M., M.Sc. Lectr.
1 Tech. Asst.

German

Mostert, L. C., B.A. Stell., Ph.D. Hamburg (German Lit.) Prof.
Leue, J. A. E., D.Phil. Bonn, B.A. Sr. Lectr.
1 Pt.-time Lectr.

Hebrew

van Selms, A., Th.D. Utrecht Prof.
van Zyl, A. H., B.D., M.A. Lectr.
1 Pt.-time Lectr.

History

Pelzer, A. N., M.A., D.Phil. Prof.
van Alphen, G., D.Litt. Ley. (Hist. of Afrikaans and Neth. Culture) Prof.
van der Westhuysen, H. M., M.A., D.Litt. (Hist. of Art) Prof.
Spies, F. J. du T., M.A. S.A., Litt.D. Ley. Sr. Lectr.
de Kock, W. J., M.A., B.Ed. Cape, D.Phil. Stell. Lectr.
1 Pt.-time Lectr.

Industrial Economics, v. Commerce and P.A., *infra*

Land Surveying

Maré, W., B.Sc.Eng. Rand, M.Sc., Dip. Land Surveying Sr. Lectr.
van der Walt, I. H., B.Sc. S.A., Dip. Land Surveying Lectr.
..... Lectr.
2 Pt.-time Lectrs, 1 Lab. Asst., 1 Demr.

Law, v. *infra*

Library Science

Coetzee, P. C., D Phil. S.A., M.A. Sr. Lectr.

Lecturers (Pt.-time)

van den Bergh, A. J., B.A., Dip. Libr.
Aschenborn, H. J., B.A., Dip.Libr.
Rautenbach, Maria D., B.A. Stell.
2 Pt.-time Lectrs.

Mathematics

Jacobsz, C., B.Sc.Eng. Rand, M.Sc. S.A. Prof.
van Warmelo, N. J., M.Sc. Sr. Lectr.
..... Lectr.
Zietsman, P. J., M.Sc., B.Ed. Lectr.
..... Lectr.
4 Pt.-time Lectrs., 1 Jr. Lectr

Mathematics, Applied

Beezhold, W. F., D.Sc. Utrecht, M.Sc. Prof.

Lecturers

Geldenhuys, J. J., M.Sc., H.E.D.
Kruger, C. J. v. Z., M.Sc.
Wiid, D. H., M.Sc.
4 Demrs.

Medicine, v. *infra*

Native Administration, v. Social Anthropol. and Appl. Soc. Anthropol., *infra*

Philosophy

Oberholzer, C. K., B.A., D.Ed. S.A., M.A., D.Phil., D.Ed. Prof.

Meyer, A. M. T., M.A., D.Phil. Sr. Lectr.
Dreyer, P. S., M.A., B.D., D.Phil. Lectr.

Physics

Verleger, H., D.Phil. Giessen, Dr. rer. nat. habil. Tech. Univ. Darmstadt Prof.
Voss, V., B.A. Cape, M.A., Ph.D. Johns H. Sr. Lectr.
van der Merwe, J. H., M.Sc. Stell., Ph.D. Brist. Sr. Lectr.

Lecturers

Fourie, D. J., M.Sc.
Prinsloo, L. A , M.Sc.
Koen, J. G., M.Sc.
27 Demrs., 1 Tech. Asst.

Physiology, v. Medicine and Vet. Science

Political Science and Public Admin., v. Commerce and P.A., *infra*

Psychology

..... Prof.
Schlebusch, B. J., M.A., D.Phil. Stell. Sr. Lectr.
Swiegers, D. J., M.A. Stell. Lectr.
1 Tech. Asst.

Public Administration, v. Commerce and P.A., *infra*

Semitic Languages, v. Hebrew, *supra*

Social Anthropol., and Appl. Social Anthropol. (*Native Admin.*)

Coertze, P. J., M.A., D.Phil. Stell. (Soc. A.) Prof.
Eloff, J. F., B.A. (Soc. A.) Sr. Lectr.
Bothma, C. V., M.A. (Soc. A.) Sr. Lectr.
Coertze, R. D., B.A. S.A. Lectr.

Sociology and Social Work

Cronjé, G., M.A. Stell., Litt. et Phil. Dr. Amst. Dean, Fac. of Arts, Prof.
Venter, H. J., D.Phil. Sr. Lectr.
van Zyl, G. J., B.A. (S.W.), M.A. Sr. Lectr.

Lecturers

Pieterse, J. E., M.A. (S.W.).
van Niekerk, Susanna E., M.A. (S.W).
2 Jr. Lectrs., 2 Pt -time Lectrs.

Statistics and Theory of Finance, v. Commerce and P.A., *infra*

Theology, v. *infra*

Veterinary Science, v. *infra*

Zoology

Eloff, F. C , D.Sc. Prof.
Malan, D. J., M.Sc. S.A. Sr. Lectr.
..... Lectr.
Lombard, G. L., Ph.D. Utrecht., M.Sc Lectr.
1 Pt -time Lectr., 1 Tech. Asst., 21 Demrs.

Zootechnics, v. Vet. Science, *infra*

Agriculture

Agric. Biochemistry

Kellermann, J. H., Ph.D. Wis., D.Sc.Agric. Stell. Prof.
1 Pt -time Asst.

Agric. Chemistry and Soil Technology

Theron, J. J., B.Sc.Agr. S.A., Ph.D. Calif. (Soil Tech.) Dean of Fac., Prof.
van Wyk, L. P., B.Sc.Agric. Lectr.

Agric. Economics

Tomlinson, F. R., M.Sc.Agric. Stell., Ph.D. Corn., D.Sc. Agric. Prof.
3 Temp. Asst. Lectrs.

Agric. Engineering

..... Prof.
Vorster, J. A., M.S.A.E. Iowa, B.Sc.Agric. Sr. Lectr.
van Heerden, J. S. P. K., Ph.D. (Ag. Eng.) Mich., M.Sc. Agric. Eng. Sr. Lectr.

Grobler, B. J., B.Sc.Ag.Eng. Lectr.
1 Temp. Lectr.

Agric. Entomology (and Entomology in Fac. of Science)
Geyer, J. W. C., D.Sc. Agric. Prof.
Janse, A. J. T., D.Sc. S.A. (Systematic E.) Hon. Prof.
Mathee, J. J., Ph.D. Camb., M.Sc. Sr. Lectr.
le Clus, Yvonne, B.Sc. Lectr.

Agronomy
Haylett, D. G., M.Sc. Ill., Ph.D. Corn. Prof.
..... Sr. Lectr.
1 Pt.-time Lectr.

Animal Husbandry, Sheep and Wool, Animal Breeding
Bonsma, F. N., B.Sc.Agric. S.A., D.Sc.Agric. (Animal Breeding) Prof.
Starke, J. S., D.Sc.Agric. (An.H.) Prof.

Lecturers
.....
Hirzel, R., B.Sc.Agric. Stell., M.Sc.Agric. (An.H.).

Dairying
Davel, H. B , B.Sc. Iowa Union-Castle Prof.

Senior Lecturers
Neethling, H. L., M.Sc.Agr. Ames.
de Kock, A. A., B.Sc.Agr.
1 Tech. Asst.

Forestry
..... Lectr.

Genetics
Hofmeyr, J. D. J., M.Sc.Agric. Stell., Ph.D. Corn. and S.A. Sr. Lectr.
1 Pt.-time Lectr.

Horticulture
Oberholzer, P. C. J., Ph.D. Arizona, M.Sc.Agric. Prof.
1 Tech. Asst.

Pasture Research and Ecology
Botha, J. P., D.Sc. Agric. Prof.

Plant Pathology
Dippenaar, B. J., D.Sc.Agric. Stell. Prof.

Poultry, v. also Vet. Sci.
Gericke, A. M. M., M.Sc. Rutgers, D.Sc.Agric. Prof.
1 Asst. Lectr.

Veterinary Science
Henning, M. W., D.Sc. S.A. Prof.

Commerce and Public Admin.

Accountancy
Hoek, P. W., B.Com. Prof.
Wiehahn, B. S., B.Com , M.B.A. Harv. Co-Prof.
9 Temp. Lectrs.

Banking (Commerce, Banking & Economics)
Wijnholds, H. W. J., Dr. Econ. Utrecht. Prof.
Botha, D. J. J., M.Com. Lectr.
1 Temp. Lectr.

Commerce and Industrial Economics
Goudriaan, J., Dr. Ir. Tegnische Hogeschool Delft. Prof.
Lustig, H., Cand. Amst., M.Com. Bus. Man. Sr. Lectr.
2 Temp. Lectrs.

Economic Theory and History
Franzsen, D. G., M.A., D.Phil. Stell. Prof.
de Kock, G. P. C., Ph.D. Harv., M.A. Sr. Lectr.
..... Lectr.
1 Temp. Lectr.

Mercantile Law, v. Law, *infra*

Public Admin. and Political Science
Gey van Pittius, E. F. W., M.A. S.A., Ph.D. Lond. Prof.
Cloete, J. J. N., M.Admin. Sr. Lectr.

Niewoudt, C. F., B.A. Lectr.

Statistics and Theory of Finance

de Loor, B., M.Sc. S.A., Ph.D. Amst. Prof.
4 Temp. Lectrs.

Dentistry

Conservation

Joubert, P. B. M., Tandarts Utrecht
Dean of Fac., Hd of Dept., Prof.
Schoeman, P. J., B.D.S. Rand, B.Sc. Sr. Lectr.
8 Pt.-time Lectrs., 5 Clin. Assts.

Dental and Oral Surgery

Goldin, H., D.D.S Mich.
Hd. of Dept. (Pt.-time), Sr. Lectr.
6 Pt.-time Lectrs., 1 Tech. Asst.

Dental Pathology and Histo-Pathology

de Jager, C. L., B.A. S.A., B.D.S. Rand Hd. of Dept., Prof.
Snyman, P. C., B.D.S. Rand Sr. Lectr.
Theron, J. A., M.B., Ch.B., B.Ch.D. Sr. Lectr.
3 Pt.-time Lectrs., 1 Pt.-time Clin Asst., 1 Tech. Asst.

Orthodontics

de Villiers, J. F. v. d. S., M.D.S., D.P.D. Rand, Cert.Orthod. Col.
Hd. of Dept., Pt.-time Lectr.
2 Pt.-time Clin. Assts.

Prosthetics

Louw, H. H., B.D.S. Rand
Hd. of Dept. (Pt.-time), Prof.
..... Sr. Lectr.
1 Pt.-time Lectr., 2 Pt.-time Clin. Assts., 4 Tech. Assts.

Hospital Staff. 2 Sr. and 2 Jr. Dent. Surgeons; 12 Hon. Visiting Dent. Surgeons.

Education

Educational Psychology

Nel, B. F., B.A., D.Phil. S.A., Litt. et Phil.D. Amst., M.Ed.
Dean of Fac., Prof.
Sonnekus, M. C. H., B.Com., M.Ed. Lectr.
1 Tech. Asst.

Educational Sociology

Nel, B. F., B.A., D.Phil. S.A., Litt. et Phil.D. Amst., M.Ed.
Prof.
du Plessis, P. J. J., B.A., S.E.D. Stell., D.Ed. Sr. Lectr.
1 Tech. Asst., 4 Pt.-time Lectrs.

General History and Theory of Education

du Toit, J. J., D.Ed. Amst., D.Phil. Potchef. Prof.
3 Pt.-time Lectrs.

History of Education in South Africa

Pelzer, A. N., M.A., D.Phil. Prof.

Nursery School Training

Naude, Helena J., B.A. (S.W.) Lectr.

Philosophy of Education

Oberholzer, C. K., B.A. S.A., M.A., D.Phil., D.Ed. Prof.

Physical Education

Smit, C., B.A. Cape Prof.
Schrecker, K. A., Dip. in Phys. Educ. Berl. Sr. Lectr.
van der Merwe, G. W., B.Sc., B.Ed.Ph. Stell., M.Sc. Indiana Lectr.
Oertly, Gertrud, Phys.Ed.Dip. Basle Lectr.
Jooste, M., B.Ed.Phys. Stell. Lectr.
1 Pt.-time Lectr.

Law

Crim., Const. and Admin. L. and Public Internat. L.

Hamman, E. M., LL.D. Ley., B.A., LL.B. (Merc. L.)
Dean, Fac. of Comm. & Pub. Admin., Prof.

.....

3 Pt.-time Lectrs.

Jurisprudence, Roman-Dutch L., Internat. Private L., Comparative L.

Pont, D., Q.C., LL.D. Utrecht, LL.B. S.A.
Dean of Fac., Prof.

Trengove, J. J., B.A., LL.B. Sr. Lectr.

Botha, A. S., B.A., LL.B. Lectr.

Joubert, C. P., LL.D. Ley., B.A., LL.B. Lectr.

2 Pt.-time Lectrs.

Native Law

Maré, J. A. G., B.A., S.E.D. Stell., LL.B. Sr. Lectr.

Roman Law

van Warmelo, P., LL.D. Ley., B.A., LL.B. Prof.

2 Pt.-time Lectrs.

Medicine

Anæsthetics

Kok, O. V. S., M.B., Ch.B. Cape, D.T.M. Liv Sr. Lectr.

Coetzee, C. H. H. Sr. Lectr.

Dippenaar, J. F., M.B., Ch.B., Dip.Anæsth. Sr. Anæsth.

Verster, O. J., M.B., Ch.B. Cape T., Dip.Anæsth. Lectr.

Wessels, P., M.B., Ch.B. Cape. Lectr.

2 Asst. Anæsth., 4 Clin. Assts.

Anatomy and Histology

Muller, Mrs. Tobie, M.B., Ch.B. Cape Prof.

Mihalik, P., M.D. Bud. Sr. Lectr.

Lups, Mrs Jantina B., Arts Gron. Temp. Sr. Lectr.

..... Sr. Lectr.

Horn, L. Tech. Asst.

2 Student Demrs.

Bacteriology, v. Pathology and Bacteriology

Children's Diseases

Davel, J. G. A., M.Sc. S.A., M.A., B.M., B.Ch. Oxon., M.D. Rand Prof.

Pannall, L., M.B., B.Ch. Rand, D.C.H. Sr. Lectr.

4 Clin. Assts.

Diseases of the Ear, Nose and Throat

Hofmeyr, J. H., B.Sc., M.B., Ch.B. Cape T., F.R.C.S.Ed. Sr. Lectr.

Swanepoel, K. J., M.B., B.Ch. Dub., D.L.O. Lectr.

1 Clin. Asst.

Diseases of the Eye

Kriek, J. C., M.A., M.B., B.Ch. Rand Sr. Lectr.

Jacobs, D. J., M.B., B.Ch. Rand, D.O. Lectr.

2 Clin. Assts.

Diseases of the Skin

Marshall, J., M.B., B.S. Lond., M.D. (Skin Diseases) Lectr.

Forensic Medicine

Loubser, C. J. N., B.Sc. Stell., B.A., M.B., Ch.B. Dub., M.D. Rand, D.P.H. Prof.

2 Temp. Lectrs.

Gynæcology and Obstetrics

te Groen, L. J., Arts Amst. Dean of Fac., Prof.

Oosterhagen, P. H., M.B., Ch.B. Cape T. Sr. Lectr.

Geldenhuys, F. G., M.B., B.Ch. Rand, M.D. Sr. Lectr.

3 Clin. Assts., 1 House Doctor.

Hospital Admin. and Organ.

Hugo, H. J., M.D. Dub. Lectr

Infectious Diseases

Nelson, H. M. A., M.D., B Ch., B.A O. Dub., D.P.H., D.T.M. Sr. Lectr.
Dicks, R. E. W., M.B., Ch.B. Edin., D.P.H. Rand Asst.
2 Additional Assts.

Medical Ethics

Oosthuizen, Prof. S. F., M.D. Lond., D.Sc., D.M.R. Lond., F.R.C.P., F.F.R.

Medicine

Snyman, H. W., M.B., B.Ch. Rand, M.D. Gron. Prof.,
Brink, A. J., M.B., B Ch. Rand, M.D. Sr. Lectr.
Kloppers, P. J., M.D. Rand Sr. Lectr.
du Toit, J., M.B., Ch.B. Cape T. Sr. Lectr.
Marshall, J., M.D. Lond., M.D., B S. Sr. Lectr.
Wessels, L. M., M.D. Sr. Lectr.
Ziady, F., M.B., Ch.B. Cape T., M.D. Sr. Lectr.
2 Jr. Lectrs., 12 Clin. Assts.

Orthopædics, v. Surgery, *infra*

Pathological Anatomy

Barnetson, J., M.B., Ch.B. Edin., D.T.M. & H. Rand Prof. and Dir. of Inst. of Pathol
Barnard, P. J. J., M.B., Ch.B. Cape T., M.D. Sr. Lectr.
4 Tech. Assts., 1 Lay Asst.

Pathology and Bacteriology

Pijper, A., M.D., D.Sc., Dipl. Trop. Gen. Hamburg Emer. Prof.
Kinnear, A. A., B.Sc., M.B., Ch.B. Cape T., M.D. Sr. Lectr.
Coetzee, J. N., M.B., Ch.B. Cape T. (Clin. Path.) Sr. Lectr.
Kingsley, C. S., M.B., B.Ch. Rand, M.D. Lectr.
Crocker, Clarice G., M.Sc. Rand, Ph.D. S.A. Lectr.
4 Clin. Assts., 11 Tech. Assts., 3 Lay Assts.

Pharmacology

Steyn, D. G., B.Sc. Stell., Dr.Med.Vet. Vienna, D.V.Sc. Prof.
1 Temp. Demr., 1 Tech. Asst.

Physiology

Meyer, B. J., M Sc , M.Ed. Stell., D.Sc., M.B., Ch.B. Prof.
Rabie, J., M Sc. Stell. Lectr.
1 Temp. Lectr., 3 Tech. Assts.

Psychiatry

Vermooten, I. R (Pt.-time) Prof.
2 Pt -time Lectrs., 2 Demrs.

Public Health

Clark, B. M , D.P.H. Sr. Lectr.

Radiology

Oosthuizen, S. F., M.D., D.Sc., D.M.R. Lond., F.R.C.P., F.F.R. Prof.
Jacobs, E. L., M.B., Ch.B. Edin., D.M.R. Sr. Lectr.
Fichardt, T., D.M.R.E. Camb. Sr. Lectr.
4 Clin. Assts.

Surgery

Bremer, J. K., M.B., Ch.M. Cape T., F.R.C.S.Ed. (Orthopædics) Prof.
Schulenburg, C. A. R., M.B., Ch.M. Cape T., M.D., F.R.C.S. (Surg. and Anat.) Sr. Lectr.
Besselaar, H. J., M.D. Zür. Sr. Lectr.
du Toit, J. G., M.B., Ch.M. Cape T., F.R.C.S.Ed. (Orthopædics) Sr. Lectr.
Jordaan, J. C., M.B., Ch.M. Cape T. Sr. Lectr.
Marais, T. J., M.B., Ch.B. Cape T., M.Med.Surg. Lectr.
de Wet, I. B., M.B., Ch.B. Rand (Orthop.) Lectr.
Laubscher, C. L., M.B., B.Ch. Rand, Ch.M. (Orthopædics) Lectr.

Maas, J. P., M.B., Ch.M. Lectr.
5 Clin. Assts.

Venereal Diseases
2 Pt.-time Lectrs.

Theology

(a) *Dutch Reformed Church*

Geyser, A. S., M.A., D.D. (New Test. Exegesis and Theol.) Prof.
Gemser, B., D.Litt., D.Drs. Gron. (Old Test. Exegesis and Theol.) Prof.
Engelbrecht, S. P., D.D. Utrecht (Hist. of Christianity) Dean of Fac. (*a*), Prof.
Wolmarans, H. P., M.A., B.D. S.A., D.D. Gron. (Philos. of Religion and Missions) Prof
Engelbrecht, B. J., D.D. Gron., B.D. (Christian Ethics and Dogma) Prof.

(b) *United Dutch Reformed Church of S.A.*

Groenewald, E. P., M.A. Stell., Th.Dr. Amst. (New Test. Exegesis and Theol.) Dean of Fac. (*b*), Prof.
Kritzinger, J. H., M.A. Stell., Th.Dr. Amst. (Old Test. Exegesis and Theol.) Prof.
Marais, B. J., M.A. Stell., M.Th. Prin., D.Phil. Stell. (Church Hist., Hist. of Dogma and Canon Law) Prof.
du Preez, A. B., M.A., Th.D. Amst. (Philos. of Religion, Dogma and Christian Ethics) Prof.
du Toit, H. D. A., B.A. Cape, Th.D. Amst., D.D. (Philos. of Religion and Missions) Prof.

Veterinary Science

Ambulatory Clinic and Materia Medica

Pols, J. W., B.V.Sc. Pt.-time Lectr.

Animal Nutrition

Groenewald, J. W., M.Sc. Ames, D.Sc.Agric. Prof.

Biochemistry

Louw, J. G., D.Sc. Sr. Lectr.

Poultry Diseases

Coles, J. D. W., B.V.Sc. Prof.

Vet. Anatomy

Jackson, C., B.Sc. Rand, D.V Sc. S.A. Prof.
de Boom, H. P. A., B.V.Sc. Lectr.

Vet. Bacteriology and Infectious Diseases

Robinson, E. M., D.M.V. Berne, D.V.Sc. S A., F.R.C.V.S. Prof.
van Drimmelen, G. C., D.V.Sc. Lectr.

Vet. Botany, v. Vet. Tox. and Veld Management

Vet. Hygiene, Municipal

Fourie, P. J. J., Dr.Med.Vet. Utrecht Dean of Fac., Prof.
Sutton, G. D., B.V.Sc. (also An. Management) Lectr.

Vet. Medicine

Malherbe, W. D., B.V.Sc. Prof.
Thomas, A D , B.V.Sc. Lectr

Vet. (State) Medicine

Diesel, A. M. Sr. Lectr.

Vet. Parasitology and Helminthology

..... Prof.
du Toit, R. M., D.V.Sc. S.A. (Parasit.) Sr. Lectr.
Ortlepp, R. J., M.A. Cape T., D.Sc., Ph.D. Lond. (Helmin.) Lectr.

Vet. Pathology,

Schulz, K. C. A., B.Sc., B.V.Sc. S.A., Dr.Med.Vet. Leipzig Prof.
Graf, H., B.Sc., D.V.Sc. S.A. (Chem. Path.) Sr. Lectr.
Smit, J. D., B.V.Sc. Lectr.

Vet. Pharmacology and Vet. Physiology

Clark, R., D.V.Sc. Prof.
Weiss, K. E., D.V.Sc. Lectr

Vet. Surgery and Obstetrics

Starke, N. C., D.V.Sc. Prof.
de Lange, M., D.V.Sc. Lectr.

Vet. Toxicol. and Veld Management

Adelaar, T. F., B.V.Sc. Sr. Lectr.
Morris, J. J., B.Sc. S.A. (Veld Ecol. and Management) Lectr.

Vet. Tropical Diseases and Protozoology

Neitz, W. O., D.V.Sc. Prof.

Zootechnics

Bisschop, J. H. R., B.Sc.Agric., B.V.Sc. S.A. Prof.

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICE. Asst. Registrar: C. H. Stuart, B.Admin. Asst. Accountant: J. P. Nel, M.Com. (B. and A.). Asst. to Registrar: Miss Laya Osrin, B.A. Rand. Chief Clerk (Accounts): H. J. van Heerden. Costing Accountant and Internal Auditor: B. Q. Wessels, B.Com. Stell. Liaison Officer: C. H. Cilliers, B.Sc., B.Com.

CHAPLAIN. Rev. B. F. Naude.

LIBRARY. Asst. Librarian: A. J. van den Bergh, B.A., Dip.Libr.

TECHNICAL SECTION. Technical Adviser: F. W. Meerkotter.

SENIOR CLERK (EXTRA-MURAL): D. C. Lamprecht, M.Com. (B. and A.).

GENERAL INFORMATION

Founded 1908, when Univ. classes in Arts, Sci. and Law were established at Pretoria by the Transvaal Govt. and placed under the control of the Council of the Transvaal Univ. Coll., Johannesburg, the constitution of that body being altered so as to give Pretoria equal representation. A separation took place in 1910, the Johannesburg section being re-incorporated as the S.A. Sch. of Mines and Technol., whilst the Pretoria section retained the name of the Transvaal Univ. Coll. By Act No. 13 of 1930 the Coll. was incorporated as the Univ. of Pretoria, the higher status being assumed on Oct. 10, 1930. In 1917 a Fac. of Agric. was instituted, financial provision for which (an endowment of £100,000) had been made by the last Parliament of the Transvaal in 1910. The following Facs. have since been established: 1918, Theol.; 1919, Comm. and Pub. Admin.; 1920, Vet. Sci.; 1923, Music; 1937, Educn.; 1943, Med.; 1950, Dent.

The Univ. consists of the Chancellor, the Vice-Chancellor, the Rector, the Council, the Senate and Convocation, together with the Profs., other teachers and students of the Univ. The Rector is *ex officio* Chairman of the Senate.

INCOME. £538,525 (Govt. grants, 68·18 per cent.; Annual grants from public bodies, 1·07 per cent.; Interest on investments, 0·22 per cent.; Students' fees, 30·48 per cent.; Other, 0·05 per cent.)

FACULTIES AND DEANS (1954). *Agriculture*, Prof. J. J. Theron; *Arts*, Prof. G. Cronjé; *Commerce and Public Administration*, Prof. E. M. Hamman; *Dentistry*, Prof. P. B. M. Joubert; *Education*, Prof. B. F. Nel; *Law*, Prof. D. Pont; *Medicine*, Prof. L. J. te Groen; *Science*, Prof. H. L. de Waal; *Theology*, Prof. S. P. Engelbrecht and Prof. E. P. Groenewald; *Veterinary Science*, Prof. P. J. J. Fourie.

The Fac. of Agric. is one of 3 in S.A. It specializes along different lines from that at Stellenbosch, particular attention being paid to study of farming in summer rainfall area of S.A. There is an Experimental Farm (*Telephone*: 4-4517) one mile east of main Univ. site. The Fac. has two functions: (*a*) *Educational*: serving as teaching instn. for training of agriculturists and agric. engineers. Courses for Bachelors' degrees cover 4 yrs. and candidates may specialize in any branch of agric. Postgrad. work may be taken, and about 20 per cent. of students enrolled follow postgrad. courses. (*b*) *Research*: The Fac. is also a res. inst. whose work falls under direct control of Dept. of Agric. of the Union Govt. In this respect it functions as a division of the Dept.

The Fac. of Vet. Sci. (*Telephone*: 5-2411) was grafted on to the Vet. Res. Lab. at Onderstepoort, one of the largest vet. res. insts. in the Commonwealth. The most important subjects of res. comprise protozool., virus and bacterial diseases, helminthol., entomol., poisonous plants, mineral metabolism and other nutritional problems, sterility in cattle and sheep and other obstet. and physiol. problems.

The Clin. Bldgs. of the Fac. of Med. are in the grounds of Pretoria General Hospl. (*Telephone*: 2-9741). The Inst. of Pathol. is in Beatrix St., Pretoria (*Telephone*: 3-0811). The Dental and Oral Hospital is in Beatrix Street. (*Telephone*: Pretoria 2-6404.)

LIBRARY. 160,000 vols. Special collections: Africana, Goethe, Roman and Dutch Law.

LABORATORIES, ETC. Applied Maths., Bot., Plant Physiol., Chem., Entom., Geog., Geol., Phys., Psychol., Zool., Agric. Bot., Agric. Chem., Agronomy, Vet. Anat., Sheep and Wool, Domestic Sci., Gen. and Clin. Anat., Histol., Physiol., Biochem., Bacteriol., Clin. Pathol., Pathological Anat., Pharmacol., Medicine, Agric. Engin., Surveying, D. Histol., D. Mech., Oper. Dent., D. Prosth., D. Surgery. BOTANICAL GARDENS in Univ. grounds. VETERINARY RESEARCH INST. CHILD GUIDANCE CLINIC. 3 TEACHING HOSPITALS.

ADMISSION. *See* Appendix I. Non-members of the Univ. are not admitted to classes.

FIRST DEGREES. (No Honours degrees are awarded.) B.A., B.A. (Social Work), B.Admin., B.Com., B.Sc., B.Mus. (in abeyance), B.A. Libr. Sci., B.Iuris., B.A. (Ed.Phys.)—3 yrs. B.A. (Mil.), B.Sc. (Mil.), B.Sc. (Mil.) (Air Force Cadets)—4 yrs. after 1 yr. at Mil. Academy or Air School. Combined course B.A. (Soc. Work) and Dipl. for Nursery Sch. Teachers, and combined course B.A. and Lower Dipl. in Libr. Sci., B.Sc. (Agric.), B.Sc. (Agric. Eng.), B.Sc. (Dom.Sci.), B.Sc. (Diet.), B.Sc. in Land Surveying—4 yrs. B.Arch., B.Sc. (Q.S.), B.V.Sc.—5 yrs. M.B., Ch.B.—6 yrs. B.Ch.D.—5 yrs.

HIGHER DEGREES. M.A., M.A. (Social Work), M.Admin., M.Com., M.Sc., M.Sc. Dom.Sc., M.Arch., M.Sc. (Q.S.)—not less than 18 mos. after corresponding Bachelor's degree; M.Sc. (Agric.), M.Sc. (Agric. Eng.)—not less than 1 yr. after corresponding Bachelor's degree. B.Ed.—not less than 1 yr. after Bachelor's degree and Higher Dip. in Education or equiv. dip.; M.Med.—not less than 2 yrs. after M.B., Ch.B., and registration for 1 yr. with the S.A. Med. and Dent. Council (depts. of Radiol., Diagnostic Radiol., Therapeutic Radiol., Oto-Rhino-Laryngol., Ophthalmol., Anæsthetics—3 yrs.; Med., Surg., Dis. of Children, Obstet. and Gynæcol., Pathol., Dermatol.—4 yrs.). M.Ed.—1 yr. after B.Ed. LL.B.—2 yrs. after legal B.A. or 3 yrs. after ordinary B.A. or other degree; M.D.—not less than 2 yrs. after M.B., Ch.B. B.D.—3 yrs. after B.A. D.Litt., D.Phil. (Arts, Com. and Pub. Admin.), D.Sc., D.Com.,

D. Com. (Bus. Management and Admin.), D.Mus., D.Ed.,D.Ed.Phys.—not less than 4 yrs. from Bacehlor's degree or 2 yrs. from Master's degree; D.Sc. (Agric.) and D.Sc. (Agric. Eng.)—not less than 3 yrs. from B.Sc. (Agric.) LL.D.—not less than 2 yrs. from LL.B.; D.D.—not less than 2 yrs. from B.D.; D.V.Sc.—not less than 4 yrs. from B.V.Sc. or 2 yrs. from B.V.Sc. if at least 1 yr. after B.V.Sc. has been spent on research at an approved institution.

DIPLOMAS. (*a*) Postgrad.: Libr. Sci. (Higher), 2 yrs.; Soc. Work (Higher), 1 to 1½ yrs.; Theol., 3 yrs.; Higher Educn., 1 yr.; (*b*) Other: Libr. Sci. (Lower), 2 yrs.; Music (in abeyance), Soc. Work, 3 yrs.; Archit., 5 yrs.; Dom. Sci. Teaching, 3 yrs.; Quantity Surveying, 5 yrs.; Law (Civil Service), 3 yrs.; Law (Attorneys' Admission), 3 yrs.; Bus. Management and Admin.; 2 yrs. after recognized experience; Comm., 3 yrs.; Pub. Admin., 3 yrs.. Primary Teaching (Higher), 3 yrs.; Special Educn., 1 yr. after recognized teaching certif. and experience; Nursery Sch. Teaching, 3 yrs.; Phys. Educn., 3 yrs.; Nursing for Sister Tutors, 1 yr. after recognized Nursing Certif. and experience; Obstet. for Sister Tutors, 1 yr.; Psychiatric Nursing for Sister Tutors, 1 yr. after recognized Nursing Certif. and experience; Radiog., 2 yrs.

CERTIFICATE. Quantity Surveying, 5 yrs.

FEES. The following are the composite fees. Except where payable per course, amounts indicated are annual fees.

Bachelors' degrees: B.A. (Intra-Mural), B.A. (Teachers' Option), B.A. (Mil.) II and III, B.A. (Libr. Sci.), £52; B.A. (Mil.) I, £21; B.A. (Extra-Mural), £44; B.A. (Soc.Sci.) (Intra-Mural), £55; B.A. (Soc.Sci.) (Extra-Mural), £47; B.A. (Ed.Phys.), B.Sc., B.Sc. (Evg. classes) for the 3-yr. curric., B.Sc. (Q.S.), B.Arch., B.Sc. (Dietetics), B.Sc. (Dom. Sci.), B.Sc. (Mil.) II and III, LL.B., B.Iuris, B.Sc. (Agric.), B.V.Sc., B.D., M.B., Ch.B. I, B.Ch.D. I, £60; B.Sc. (Evg. classes) for the 4-yr. curric., £54; B.Sc. (Mil.) I, £22; B.Sc. (Geol.), £61; B.Sc. (Land Surveying), £65; B.Com., for 3-yr. curric., B.Admin., £48; B.Ed. (Postgrad.), B.Com. (Extra-Mural) for 4-yr., curric., £45; B.D. (Postgrad. course, Section B), £14; M.B., Ch.B. II, £85 (plus £15 exemption fees); M.B., Ch.B. III, £80; M.B., Ch.B. IV, V and VI, £85; B.Ch.D. II, £95 (plus £15 exemption fees); B.Ch.D. III, £85; B.Ch.D. IV and V, £90.

Masters' degrees: M.A., M.Admin., M.Com., M.Sc. (Maths.) and M.Sc. (Agric.) when use is not made of the Lab., £70 per course; M.Sc., M.Sc. (Agric.), £90 per course; M.Sc. (Geol.), £98 per course; M.Com. (Bus. Management and Admin.), M.Com. (Accountancy), £100 per course, payable during first 2 yrs. (*i.e.* £50 p.a.); M.Ed. and M.A. Libr. Sci., £45 per course; M.Med., £80 per course. Candidates for degree of Master who have paid full fees for course need pay only the registration fee when renewing their registration.

Doctors' degrees: £60 per course, payable during first 2 yrs., £30 p.a. (plus £10 p.a. lab. fees if lab. is used); D.Sc. (Geol.), £68 per course (plus £10 p.a. lab. fees if lab. is used); M.D., £80 per course. Candidates for degree of Doctor who have paid full fees for course need pay only the registration fee of £3 when renewing their registration.

Diplomas: Nursery Sch. Teaching, Higher Educn. (Intra-Mural), Phys. Educn., Higher Primary Educn., Dipl. Iuris., Libr. Sci. (Intra-Mural), Higher and Lower Dipls. in Libr. Sci. (Intra-Mural), £52; Higher Educn., £52 (evening classes 1½-yr. curric.; £7 registration fee only in 2nd yr.); Soc. Sci., £55; Soc. Sci. (Extra-Mural), £47; Higher Dipl. in Soc. Sci. (postgrad.), £40 (£7 registration fee only in 2nd yr.); Archit., Dom. Sci., Quantity Surv., Nursing, £60; Hosp. Dietetics, £25; Comm. (3-yr. curriculum), £48; Comm. (4-yr. curriculum), £45; Business Management and Admin., £100; Libr. Sci. (Extra-Mural), Lower Dipls. in Libr. Sci. (Extra-Mural), £44; Radiog., £35.

Professional courses: Theory of Land Surv., £45; Dip. Proc. (replacing Attorney's Admission Examn.), £30; Dip. Iuris (replacing Civil Service Law Examn.), £52.

Special course: Prelim. Latin, £5.

ACADEMIC YEAR. Feb. to Dec., 2 semesters—Feb. to end of June, beginning of Aug. to early in Dec.

LANGUAGE OF INSTRUCTION: Afrikaans.

VACATION COURSES. Short courses may be offered in Bus. Management and Admin. if there is sufficient demand. Occasional vacation courses for teachers.

FELLOWSHIPS, ETC., FOR GRADUATES. Union Scholps., H. B. Webb Scholp., Rhodes Scholp., Elsie Ballot Scholp., Jr. and Sr. Scholps. awarded by C.S.I.R. and the Nat. Council for Soc. Res. of the Union.

UNIVERSITY RESIDENCES. (Postal address: University of Pretoria, Brooklyn, Pretoria, for all University residences except Onderstepoort, which is P.O. Onderstepoort.) Women's Residence (175 students); Warden, Mrs. Ellen C. du Toit (*Telephone*: Pretoria 4-3111; after 4.30 P.M.: 4-3115). College Hostel for men (72); Warden, Prof. T. Buning (*Telephone*: Pretoria 4-3113). Sonop Hostel for men (104); Primarius elected annually from students (*Telephone*: Pretoria 78-3713). Voortrekker Hostel for men (140); Warden, Prof. B. de Loor (*Telephone*: Pretoria 4-3644). Onderstepoort Hostel (72); Warden, Prof. W. B. Malherbe (*Telephone*: Pretoria 5-2494). Medical Hostel for men (100); Warden, ... Boarding Fees: £90 p.a. except Sonop, which is £85 p.a. Medical Hostel, for which fees have yet to be determined.

UNIVERSITY MILITARY FORMATION. 1 Observation and Sound Ranging Battery (1 Observation Regiment, S.A. Artillery).

ATHLETIC FACILITIES. Gymnasia, rugby and hockey fields, tennis courts, cinder track, jukskei and cricket pitches, netball and American basketball fields, tenniquoit courts and volley ball pitch.

EXTRA-MURAL STUDIES. A special feature of the Univ. is the work done in the Extra-Mural Faculties. At 239 Vermeulen St., Pretoria (*Telephone*: 2-2632), lectures are given, out of ordinary business hours, for the benefit of public servants, articled clerks, commercial men and teachers. Over 1000 students are enrolled, practically all for full degree courses: for B.A., Law B.A., LL.B., B.Com., B.Admin., Masters' degrees, Degree and Diploma in Business Management and Administration, Law Certificate, Banker's Certificate, or Diplomas in Administration.

UNIVERSITY EXTENSION. The faculties of Agric. and Vet. Sc. co-operate with the Union Dept. of Agriculture in connexion with the extension training service organized by it. Public lectures are organized in Pretoria and surrounding districts.

PUBLICATIONS. *Calendar* (Nov.), free; *Bulletins* containing result of research by members of staff.

THE YEAR 1953

PRINCIPAL BENEFACTIONS. City Council of Pretoria, £6050; Nuffield Foundation, £1200 p.a. for 3 yrs.; Rockefeller Foundation, £2026; Contributions totalling £3662 towards estab. of Residence for Med. Students; other contributions, £3470.

NEW BUILDINGS. Inst. of Plant Physiol. and the hostel for med. students completed. New Sci. block, which will house the Depts. of Appl., Pure and Statistical Maths., Phys., and Land Surveying, nearing completion. Plans nearing completion for Students' Recreation and Assembly Hall and Theatre, and for the Admin. Block extension.

PRINCIPAL CHANGES IN REGULATIONS. New courses: (*a*) B.Iuris; (*b*) B.A. (Ed.Phys.) to replace B.Ed. Phys.; (*c*) LL.M.; (*d*) M.Ch.D.; (*e*) Dipl. in Psychiatric Nursing for Sister Tutors.

The B.A. (Ed. Phys.) degree, replacing the 4 yr. B.Ed.Phys. course, is a 3 yrs. degree course in the Fac. of Arts followed by a 1 yr. Teacher's Dipl. course in the Fac. of Educn.

To meet an urgent demand for trained technologists the Univ. has arranged with the S.A. Iron and Steel Corporation for cadets in training there to obtain, after 5 yrs. study, the B.Sc. degree with major subjects Chem. and the Manufacture of Iron and Steel.

VISIT BY MEMBER OF STAFF FROM OTHER UNIVERSITY. E. H. Carr, formerly Prof. of Internat. Pol. (Wales).

RETIREMENT. Prof. D. E. Malan (Zool.).

RESIGNATIONS. Prof. L. I. Coertze (Crim., Const. and Admin. Law); Dr. T. Dunston (Pathol. and Bacteriol.); Prof. A. J. la Grange (Psychol.); Dr. J. Trümpelmann (German); Dr. H. S. Steyn (Stats.); Prof. C. Brink (Physiol.); Dr. H. J. Nel (Geol.); Dr. M. H. H. Louw (Pol. Sci. and Public Admin.); Dr. D. Ziervogel (Bantu Studies).

DEATHS. Dr. H. H. van Broekhuizen (Vice-Chairman of Univ. Council); G. M. Pellissier (formerly Prof. of Dogmatics and Sci. of Religion).

HONORARY DEGREES. *D.Sc.*—Dr. D. F. Meyer, Vice-Chairman of Univ. Council, Chairman of S.A. Iron and Steel Corporation; Dr. H. O. Mönnig, Chairman of Univ. Council, formerly Prof. of Parasitol. *M.D.*—Dr. S. Annecke, of State Dept. of Public Health.

STUDENT NUMBERS.

	*Full-Time**	*Part-Time†*
Men	3384	77
Women	603	24
Total	3987	101

Postgraduate students, 891 (790 men, 101 women).

New admissions, 881 (669 men, 212 women).

Students from other countries, 70. (Countries from which largest numbers came: S. Rhodesia, 14; Germany, 14; Netherlands, 10; Belgian Congo, 9; N. Rhodesia, 9; E. Africa, 8.)

DEGREES AWARDED. *Agric.*: B.Sc. (Agric.), 18; B.Sc. (Agric. Eng.), 1; M.Sc. (Agric.), 3; D.Sc. (Agric.), 2. *Arts*: B.A., 147; B.A. (S.W.), 23;

* These figures include 1559 students (1406 men, 153 women) in regular employment who are following full degree or dipl. courses and are regarded as full-time students.

† Part-time students are those not following degree or dipl. courses. Of the part-time students, 92 (74 men, 18 women) are in regular employment.

B.A. Libr. Sci. (4 yrs.), 2; B.A. Libr. Sci. (3 yrs.), 3; B.A. (Ed. Phys.), 3; M.A., 18; M.A. (S.W.), 3; D.Litt., 3; D.Phil., 4. *Comm.*: B.Com., 28; B.Admin., 2; M.Com., 1; M.Com. (Bus. Manag.), 17. *Dent.*: B.Ch.D., 18. *Educn.*: B.Ed., 13; M.Ed., 8; D.Ed., 1. *Law*: LL.B., 6. *Med.*: M.B., Ch.B., 84; M.Ch., 2; M.Med., 4; M.D., 8. *Sci.*: B.Sc., 34; B.Sc. (Q.S.), 1; B.Arch., 5; B.Sc. (Dom. Sc.), 6; B.Sc. (Dietet.), 2; B.Sc. (Mil.), 6; B.Sc. Land Surv., 5; M.Sc., 22; D.Sc., 4; B.Sc. (Ed. Phys.), 1. *Theol.*: B.D. Division A, 6; B.D. Division B, 9; D.D., 1. *Vet. Sci.*: B.V.Sc., 14; D.V.Sc., 1.

Diplomas Awarded. *Agric.*: Dip. Soil Conserv., 2. *Arts*: Dip. S.W., 8; Higher Dip. Libr. Sci., 2; Lower Dip. Libr. Sci., 8. *Educn.*: H.E.D., 39; Dip. Nursery Sch. T., 7; Dip. Ed. Phys., 4. *Med.*: Dip. Med. Rad., 3; Dip. Anaesth., 1; Dip. Radiography, 13; Dip. Nursing for Tutor Sisters, 4; Dip. Obstet. for Tutor Sisters, 1. *Sci.*: Dip. Dom. Sci., 1; Dip. Q.S., 4; Dip.Arch., 10; Dip. Hosp. Diet., 2. *Theol.*: Dip. Theol., 12.

[*Information compiled as at* 30/6/54 ;
Staff list revised on 13/10/54.]

RHODES UNIVERSITY*

Founded 1904 ; incorporated 1951

Postal Address : P.O. Box 94, Grahamstown, Cape Province, South Africa.
Telegrams : Rhodescol.
Telephone (General) : Grahamstown 589.

CHANCELLOR—B. F. J. SCHONLAND, C.B.E., M.A., Ph.D., Sc.D. Camb., D.Sc. Cape T., LL.D. Natal, LL.D., F.R.S.

VICE-CHANCELLOR AND PRINCIPAL—T. ALTY, Ph.D. Camb., D.Sc. Liv., D.C.L. Durh., LL.D. Glas., F.I.P., F.R.S.C.

PRO-VICE-CHANCELLOR AND VICE-PRINCIPAL—D. LIDDELL, M.A., B.Com. Edin.

CHAIRMAN OF COUNCIL—S. B. HOBSON, M.A. Cape.

VICE-CHAIRMAN OF COUNCIL—H. A. KENDALL.

PRESIDENT OF CONVOCATION—The Hon. Mr. Justice A. G. JENNETT, B.A., LL.B. S.A.

REGISTRAR—A. E. SHIELDS, M.B.E., M.A. Camb.

LIBRARIAN—F. G. VAN DER RIET, M.A. Stell., D. de l'U. Paris.

TEACHING STAFF

African Studies

Mayer, P., B.Sc., D.Phil. Oxon., Dr.Jur. Heidel. Prof.
Kent, N. R., M.A. Cape T. Lectr.

Botany

Twyman, E. S., M.Sc., Ph.D. Birm. Prof.
Martin, A. R. H., B.A. Camb. Lectr.
Noel, A. R. A., B.Sc. Lond. Lectr.
1 Sr. Demr.

Chemistry

Barker, W. F., B.Sc., Ph.D. Liv., F.R.I.C., F.R.S.S.Af. Prof.
Verdier, E. T., D. ès Sc. Paris, M.Sc. S.A. Sr. Lectr.
Little, G. E., M.A., Ph.D. Camb. Sr. Lectr.
Steyn, W. J. A., M.Sc. S.A. Lectr.
Parrish, J. R., B.Sc., Ph.D. S.A. Lectr.
Rossouw, D. R., B Sc. Jr. Lectr.

Classics

White, K. D., B.A. Liv., M.A. Camb. Prof.
Whiteley, S., M.A. Oxon. Sr. Lectr.
Simpson, R. H., B.A., Ph.D. Durh. Lectr.

Commerce

Liddell, D., M.A., B.Com. Edin. Prof.
Roberts, H. M., B.Com. Rand Sr. Lectr.
Smith, H. H., M.Com. S.A. Sr. Lectr.

* Member of the Association of Universities of the British Commonwealth.

Divinity

Robinson, Rev. N. H. G., M.A., D.Litt. Glas., B.A. Oxon., B.D. Edin. Prof.

Cosser, Rev. W., M.A., B.D. Glas., D.D. S.A., B. en Théol. Stras. Sr. Lectr.

Hewson, Rev. L. A., B.A. Rand, M.A. Camb. Lectr.

Pt.-time Lectrs.

Economics and Politics

Houghton, D. H., M.A. Oxon., B.A. S.A. Prof.

Threlfell, R. L., M.A. Camb., M.Com. S.A. Sr. Lectr.

Slee, A. T. C., B.Sc. (Econ.) Lond , M A. S.A. Sr. Lectr

Taylor, H. W. J., B.A. Hamilton, N Y., M.A. McG. Lectr.

Education

Morton, D. M., B.Sc., M.A., Ed B. Glas. Prof.

Gerber, J. J., B.Sc. Stell., M.Ed. S.A. Sr. Lectr.

Instrs., 4 Pt.-time Lectrs.

English

Butler, F. G., M.A. S.A., B.A. Oxon. Prof.

Wahl, J. R., M.A., Ph.D. Cape T., D.Phil. Oxon Sr. Lectr.

Hall, A D , M.A. Oxon., B.A. S.A. Lectr.

Cross, K. W., M.A. Dub. Lectr.

Davison, D., M.A. Sheff. Lectr.

Fine Arts

Todd, C. Prof.

Guiton, Mrs. Natalie M., B.A. (F.A.) S.A. Sr. Lectr.

Ewan, A. W. Lectr.

French

Hérisson, C. D., L. ès L., D. en Droit et en Sc. Écon. Toulouse, M.A. Lafayette Prof.

Cattanéo, J. L., M.A. S.A., Dip. de Litt. Française, Cert. in Fr. Phonetics Paris Lectr.

Geography

Rennie, J. V. L., M.A. Cape T., Ph.D. Camb., Geog. Dip. Lond., F.R.S.S.Af. Prof.

Forbes, V. S., M.A. Camb. Sr. Lectr.

Geology

Mountain, E. D., M.A. Camb., D.Sc. S.A. Prof.

Ruddock, A., M.Sc. Durh. Sr. Lectr.

German

Meyer, C. J , Cand.Lit.Germ. Amst., D.Litt. S.A. Sr. Lectr.

History

Maxwell, Mrs. Winifred A., B.A., B.Litt. Oxon. Prof

Crompton, J., B.A. Manc , M.A., B.Litt. Oxon. Sr. Lectr.

Fryer, A. K., B A. S A Lectr

Ichthyology

Smith, J. L. B., B.A. Cape, M.Sc. Stell., Ph.D. Camb. Research Prof

Law

McKerron, R G., M.A. Aberd., M.A , D.C.L. Oxon Prof

Schwietering, K. F. J , LL.B. Stell., B.A. S.A. Sr. Lectr.

..... Lectr.

5 Pt.-time Lectrs.

Mathematics

Burnett, D., M.A., B.Sc. Aberd., M A., Ph.D. Camb., F.R.S. S.Af. Prof.

King, J. W., M.Sc. S.A. Sr. Lectr.

du Plessis, N., M.Sc. Rand, Ph.D. Camb. Sr. Lectr.

Fick, J. R. G., M.Sc. S.A. Lectr.

1 Pt.-time Lectr.

Music

..... Prof.

Gruber, G., Dr.Phil. Vienna Lectr.
6 Practical Teachers.

Nederlands and Afrikaans

Louw, W. E. G., M.A., Litt.Drs. Amst., Ph.D. Cape T. Prof.
Hendrikz, Phœbe A., M.A. S.A. Sr. Lectr.
Antonissen, R. J. K. E., Dr.Phil. & Lit. Louvain Sr. Lectr.

Philosophy

Barratt, A. J., M.A. Oxon. Prof.

Physical Education

Locke, E. E., B.Sc. S.A. Sr. Lectr.
Powell, J. T. Lectr.
Honicka, Mrs Christa, Staatsexamen Leipzig, Universitatsdipl. Berl. Temp. Lectr.

Physics

Gledhill, J. A., Ph.D. Yale, M.Sc., Ph.D. S.A. Prof.
Watson, S. W., B.A. Cape, M.A., Ph.D. Camb. Sr. Lectr.
Szendrei, M. E., M.Sc , Ph.D. S.A. Lectr.
Wright, G T., B.Sc., Ph.D. Birm. Lectr.

Psychology

Wild, E. H., Ph.D. Lond., M.Sc. S.A., F.B.Ps.S. Prof.
Williams, W. H., B.A., B Ed. Melb., M.A., Ed.D. Stan. Sr. Lectr.
Marsh, M. C., B.A. S.A. Lectr.

Social Science

Irving, J., M.A. Camb. Prof.
Bettison, D. G., M A. S.A. Lectr.
..... Lectr.
White, Mrs. Isobel H. B., M A. St. And. Pt.-time Lectr.

Zoology and Entomology

Ewer, D. W., M.B.E., M A. Camb., Ph.D. Birm. Prof.
van Hille, J. C., M.Sc., Ph.D. Utrecht Sr. Lectr.
Callan, E. McC., B.Sc. Manc., Ph.D. Lond., D I C. Sr. Lectr.
Macnae, W., B.Sc. Glas. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Accountant: D. F. Blain. Asst. Registrar: R. Martin, O.B.E., M.C. Asst. Librarian: R. A. Brown, M.A. Oxon. Wardens of Women's Residences: Sheila Maritz, M.Sc. S.A.; Phyllis Marsden, B.A. Lond. Wardens of Men's Residences: J. T. Powell; J. W. King, M.Sc. S.A.; E. D. Mountain, M.A. Camb., D.Sc. S.A. Catering Manager: F. D. Sudano.

AFFILIATED INSTITUTION

UNIVERSITY COLLEGE OF FORT HARE* (formerly the S.A. Native College), P.O. Fort Hare, C.P. (*Telephone*: Alice 20.) Founded 1916. Principal—C. P. Dent, M.Sc. S.A. Registrar—Sir Fulque Agnew.

ASSOCIATED INSTITUTIONS

LEATHER INDUSTRIES RESEARCH INSTITUTE. (*Telephone*: Grahamstown 720.) Incorporated 1946. Director and Research Professor—S. G. Shuttleworth, M.Sc., Ph.D. S.A., F.R.I.C.

SOUTH AFRICAN WOOL TEXTILE RESEARCH INSTITUTE. (*Telephone*: Grahamstown 1574.) Incorporated 1953. Director and Research Professor—R. C. Palmer, M.A. Camb.

* Associate Member of the Association of Universities of the British Commonwealth.

GENERAL INFORMATION

The beginnings of Rhodes University date from 1855, when St. Andrew's College was founded at Grahamstown. For many years, this School prepared students for degree examns., as well as for the usual school examns. In 1878 the School established a separate College dept. for the purpose of preparing students for the examns. of the Univ. of the Cape of Good Hope. In 1904, generous financial support from the Rhodes Trustees, the citizens of Grahamstown and the public bodies of the Eastern Cape, made it possible to separate this Coll. dept. from the Sch. and it was incorporated by Act of Parliament as Rhodes University College. The Coll. continued to prepare students for the degrees of the Univ. of the Cape of Good Hope until 1916, when it became a Constituent Coll. of the Univ. of S. Africa. In 1949, Parliament passed an Act incorporating the Coll. as Rhodes University, which came into being on March 10, 1951. From the same date, the S. African Native Coll. (now the University College of Fort Hare) was affiliated to the new Univ.

The Univ. now owns an impressive array of buildings erected progressively since 1914 on an excellent site, the nucleus of which was donated to the Coll. by the Govt. All the bldgs., which comprise administrative, academic and residential blocks, are situated within easy reach of one another, and of the Univ. sports fields.

The Leather Industries Research Inst. originated as a Tanning Res. section of the Chem. Dept. and gradually developed, until in 1942 it was able to move into a separate bldg. and became an independent Dept. In 1946, it was formally constituted as a Research Inst. under the control of the C.S.I.R., but it still remained closely associated with the Coll.

The S.A. Wool Textile Research Inst., incorporated in 1953, is also under the control of the C.S.I.R. and closely associated with the Univ.

CONSTITUTION. The Univ. consists of the Chancellor, the Principal, who is *ex officio* the Vice-Chancellor, the Vice-Principal, who is *ex officio* the Pro-Vice-Chancellor, the Council, the Senate and the Convocation, together with the profs., lectrs., other teachers and the students.

LANGUAGE OF INSTRUCTION—English.

INCOME (1953). £281,000 (Govt. grant, 55 per cent.; hostel fees, 27 per cent.; academic fees, 14 per cent.; other sources, 4 per cent.).

FACULTIES AND DEANS FOR 1955. *Arts*, Prof. J. V. L. Rennie; *Commerce*, Prof. D. Liddell; *Divinity*, Rev. N. H. G. Robinson; *Educn.*, Prof. D. M. Morton; *Law*, Prof. H. F. Sampson; *Music*, Prof. F. H. Hartmann; *Sci.*, Prof. W. F. Barker; *Soc. Sci.*, Prof. J. Irving.

ADMISSION. *See* Appendix I. Non-matriculated candidates may be admitted to certain dipl. and certif. courses.

DEGREES. 3 yrs.—B.A., B.Sc., B.Sc. (Hyg.), B.Com., B.Econ., B.Soc.Sc.; 4 yrs.—B.A. (F.A.), B.Mus.; 5 yrs. (*i.e.* 2 yrs. after approved Bachelor's degree in another Fac.)—B.Ed., LL.B., B.D. Degree of Bachelor with Hons. 1 yr. after Bachelor's degree in Facs. of Arts, Sci., Commerce and Social Sci.; alternatively, 4 yrs. from commencement of course in Facs. of Arts and Social Sci. Degree of Master—1 yr. after Bachelor's degree with Hons., or 2 yrs. after Bachelor's degree in Facs. of Arts, Sci., Commerce and Social Sci.; 1 yr. after Bachelor's degree in Facs. of Educn. and Music. Ph.D.—in all Facs., 2 yrs. after degree of Master or 3 yrs. after degree of Bachelor with Hons. D.Litt. (Facs. of Arts and Educn.), D.Sc., D.Econ., LL.D., D.D., D.Soc.Sc., D.Mus.—4 yrs. after degree of Master or 5 yrs. after degrees of Bachelor with Hons., B.Ed., LL.B. or B.D.

DIPLOMAS. 1 yr.—Phys. Educn., Anal. Chem., Soil Sci., Leather Sci., Educn., Social Work, Personnel Welfare and Management (all postgraduate). 2 yrs.—Theol. (postgraduate), Social Studies (non-graduate), Production Management (postgraduate). 3 yrs.—Theol., Music (both non-graduate). 4 yrs.—Fine Art (non-graduate).

CERTIFICATES. 2 yrs.—Religious Knowledge. 3 yrs.—Higher Primary Teacher's. 4 yrs.—Artist's in Music. (All non-grad.)

OTHER COURSES. First-yr. courses are given for students proceeding to other Univs. for degrees in Surveying, Engin., Med., Dent., Vet. Sci. and Agric.; and a special B.Sc. degree enables a student to obtain exemption from two yrs. of the course for a degree in Surveying at certain other Univs. The full courses of training for professional Dipls. in Law, Survey and Music are also given.

FEES. The following cover all charges for registration, tuition, labs., ord. examns., graduation, library, Athletic Union and Students' Socs.: B.A., B.A. (F.A.), B.Com., B.Econ., B.Soc.Sc., £44 p.a.; B.Mus., £46 p.a.; B.Sc., £54 p.a.; LL.B., £56 p.a.; B.D., £41 p.a. Diploma courses, £46 p.a. Higher Primary Teacher's Certif., £40 p.a. Hons. and Master's Degrees—fees vary according to subject. Average fees: Hons., £43 p.a., Master's, £26 p.a.

ADULT EDUCATION. Extension lectures are given from time to time by members of the staff in the main towns of the Eastern Province.

ENTRANCE SCHOLARSHIPS, ETC. 2 Open Scholps. (£40–£75 p.a. for 3 yrs.); 2 Alfred Beit Scholps. (£40 for 1 yr.); 2 Reynolds Bursaries (£75 p.a. for 3 yrs.); other Bursaries of varying amounts.

FELLOWSHIP open to grads. of other Univs. The Hugh Le May Fellowship, value about £1500 for 1 yr., awarded in alternate yrs. for advanced res. in Humanities and open to grads. of any Univ.

LIBRARY. Over 70,000 vols., excluding unbound periodicals, pamphlets, etc. The Cory Library contains a collection of material relating to the hist. of the Eastern Cape Province.

RESIDENCES (*Men*): Founders Hall (Botha House, College House, Cory House, Matthews House), accommodates 187 students; Drostdy Hall (Struban House, Graham House), 117; Jan Smuts Hall (Milner House, Jan Smuts House, Livingstone House), 226. (*Women*): Oriel Hall (Beit House, Jameson House, Oriel House), accommodates 180 students; St. Mary's Hall (John Kotze House, Olive Schreiner House, Phelps House), 170. Residence fees: £100 p.a.

STUDENTS' REPRESENTATIVE COUNCIL controls all student activities other than sport.

ATHLETIC UNION controls all the sporting activities, including all the sports clubs.

PUBLICATIONS. *Calendar*; *Prospectus*; *Report* (annual); *Rhodian* (annual students' publn.).

THE YEAR 1953

BENEFACTIONS. Shell Co. of S.A., £1000 for bursaries; Mr. Justice F. G. Reynolds, £450 for bursaries; Percy FitzPatrick Memorial Trust, £500 p.a. for 5 yrs. for res.

NEW POSTS. Lectureships in Phys. and Geog.

NEW COURSES. Soil and Water Conservation, Certif. in Religious Knowledge, Dipl. in Fine Art.

PRINCIPAL CHANGES IN REGULATIONS. Honours degree separated from pass degree and given separate recognition; candidates for pass degrees now obtain credit for all courses passed; D.P. certificates are now valid for 1 yr. only.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Dr. E. Neilsen, Copenhagen; Sir Ivor Jennings, Ceyl.; Lady Ogilvie, Leeds.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Dr. T. Alty and Prof. D. H. Houghton visited various Univs. in U.S.A.

RETIREMENT. Miss F. M. L. Stoker (Lectr. in Social Work).

RESIGNATIONS. Prof. D. H. M. Davies (Div.), apptd. to Mansfield Coll., Oxford; Prof. M. Roberts (Hist.), apptd. Prof. at Queen's Univ., Belfast; H. Rose (Econ.), apptd. to Exeter Univ. Coll.; D. L. Evans (Fine Art); H. A. Schickerling (Chem.); D. G. Southgate (Hist.); G. V. Sumner (Classics).

HONORARY DEGREES CONFERRED. *LL.D.*—Sir Ernest Oppenheimer, Chairman of De Beers Consolidated Mines, Ltd.; Hugh Le May, benefactor of the Univ.

STUDENT NUMBERS.

	Full-Time	*Part-Time*	U.C.F.H.*
Men	469	12	296
Women	281	15	51
Total	750	27	347

Postgraduate students, 140 (U.C.F.H., 38).

New admissions, 271.

Students from other countries, 172. (Countries from which largest numbers came: S. Rhodesia, 130; N. Rhodesia, 23.)

DEGREES AWARDED. B.A., 67 (15 †); B.A. (Hons.), 7; B.A. (F.A.), 3; B.Com., 22; B.Sc., 36 (26 †); B.Sc. (Hons.), 11 (1 †); B.Sc. (Hyg.), 6 †; B.Soc.Sc., 4; B.Mus., 1; B.D., 1; LL.B., 5; M.Sc., 3; M.Com., 1; Ph.D., 1. *Total number of first degrees awarded,* 133 (47 †).

DIPLOMAS AWARDED. U.E.D., 34 (33 ‡); Personnel Management, 3; Music, 2.

OTHER DEVELOPMENTS. The S.A. Wool Textile Inst., which started operations in 1951 in a bldg. lent by the Univ., was incorporated under the Companies Act with its own Bd. of Control, on a basis similar to the Leather Industries Res. Inst. Its Dir. became a Res. Prof. of the Univ., with a seat on the Senate, and it shares, with the L.I.R.I., a representative on the Council.

* No. of students of the University College of Fort Hare registered with the Univ. for the purpose of taking its degrees.

† Degrees awarded to U.C.F.H. students.

‡ Diplomas awarded to U.C.F.H. students.

[*Information compiled as at July* 1954.]

UNIVERSITY OF SOUTH AFRICA *

Founded 1873

263 Skinner Street, Pretoria.
Postal Address: P.O. Box 392, Pretoria, Transvaal, South Africa.
Telegrams: University, Pretoria.
Telephone: 2-3248, Pretoria.

CHANCELLOR—The Hon. the Judge President, Mr. Justice G. J. MARITZ, Q.C., B.A.

CHAIRMAN OF THE SENATE—Professor A J. H. VAN DER WALT, D.Phil. Berl., M.A.

PRESIDENT OF CONVOCATION—.....

DIRECTOR—Professor A. J. H. VAN DER WALT, D Phil. Berl., M A

REGISTRAR—B. F. J. VAN RENSBURG, M.Com , B.A.

ASSISTANT REGISTRAR—.....

SECRETARY—L. G. VAN DER MERWE, B.Com.

TEACHING STAFF, DIVISION OF STUDIES

Accounting: Prof., ...; Sr. Lectr., ...; Lectr., L. M. du Toit, B.Com.; *Afrikaans-Nederlands*: Prof., H. J. J. M. van der Merwe, M.A., D.Litt. Pret.; Sr. Lectr., J. L. Steyn, M.A., D.Litt. Potchef.; Lectr., ...; *Anthropology*: Sr. Lectr., E. F. Potgieter, M.A. Pret.; *Bantu Langs.*: Prof., D. Ziervogel, M.A., D.Litt. Pret.; Sr. Lectr., J. H. Louw, M.A. Stell.; *Classics*: Sr. Lectr., G. van N. Viljoen, B.A. Camb., M.A., LL.B. Pret.; Lectr., O. von Weber; *Commerce*: Prof., F. E. Rädel, Dipl.rer.oec. Dresden, D.Comm. Stell.; *Economics*: Prof., ...; Sr. Lectr., K. D. Venter, M.A.; Lectr., J. Jones, M.A. Stell.; *Education*: Prof., D. H. Cilliers, M.A., M.Ed., D.Phil.; Lectr., ...; *English*: Prof., E. Davis, M.A. Rand, B.Litt. Oxon.; Sr. Lectr., F. D. Sinclair, B.A.; Lectr., ...; *French*: Lectr., Mrs. E. van der Merwe, M.A. Pret.; *Geography*: Sr. Lectr., C. B. Smit, M.A. Pret.; Lectr., R. D. Tromp, M.Sc. Pret.; Lectr., ...; *German*: Sr. Lectr., B. A. T. Schneider, M.A. Cape T.; *History*: Prof., C. F. J. Muller, M.A., D. Phil. Stell.; Sr. Lectr., T. van Wijk, M.A.; Lectr., ...; *Law*: Prof., D. de Villiers, B.A. Oxon; Sr. Lectr., ...; *Mathematics*: Prof., ...; Sr. Lectr., J. H. van der Merwe, M.Sc. Pret.; Lectr., B. J. van der Walt, M.Sc.; *Native Admin.*: Lectr., B. S. van As, B.A. Stell.; *Philos*: Prof., H. J. de Vleeschauwer, Phil.D., Cand. Hist. Ghent, Hon. LL.D. Glas.; *Politics*: Lectr., W. A. Kleynhans, M.A. Pret., B.Com.; *Psychology*: Prof., A. S. Roux, M.A., D.Phil. Pret.; Lectr., T. A. van Dyk, M.A., B.Sc.; Lectr., ...; *Public Admin.*: Sr. Lectr., W. A. Kleynhans, M.A. Pret., B.Com.; *Sociology*: Sr. Lectr., J. A. van der Walt, M.A.; Lectr., H. L. Crause, M.A., D.Phil. O.F.S.; Lectr., ...

* Member of the Association of Universities of the British Commonwealth.

GENERAL INFORMATION

By Act 12 of 1916 of the Legislature of the Union of South Africa the University of the Cape of Good Hope, incorporated by Act of the Cape Legislature in 1873, became and was incorporated in the University of South Africa, with administrative seat at Pretoria.

As from March 1951 the Univ. caters for external students only. The Division of Studies supplies tuition (in most subjects) by correspondence in both English and Afrikaans; but it is not compulsory for students to obtain such tuition. *See also* Introductory Chapter *above*.

FACULTIES AND DEANS. *Arts* (including Fine Arts and Music), Prof. S. J. H. Steven; *Commerce and Admin.*, Prof. T. H. Kelly; *Educn.*, Prof. D. H. Cilliers; *Law*, Prof. D. de Villiers; *Sci.*, Prof. D. J. du Plessis; *Social Sci.*, J. A. van der Walt.

ADMISSION. *See* Appendix I.

DEGREES. B.A., Hons. B.A.; M.A.; B.Ed., M.Ed., Ph.D. in Ed., D.Ed.; D.Litt., D.Phil.; B.A. in Soc.Sci., Hons. B.A. in Soc.Sci.; M.A. in Soc.Sci., Ph.D. in Soc.Sci.; B.Mus., M.Mus., D.Mus.; B.Com., Hons. B.Com., M.Com.; B.Econ., Hons. B.Econ., M.Econ.; B.Sc., Hons. B.Sc., M.Sc., Ph.D. in Sci., D.Sc.; LL.B., LL.M., LL.D.

COURSES for B.A., B.A. (Soc.Sci.), B.Com., B.Econ., B.Sc.—3 yrs.; Honours Degrees—1 yr. after Bachelor; B.Mus., B.A. (Fine Arts)—4 yrs.; LL.B.—3 yrs., after graduating in some faculty other than Law. Students must have their curricula approved by the Senate and must pass the examns. prescribed for them from year to year by the Senate in order to qualify for degrees. Students resident outside the continent of Africa are not normally admitted to examns.

The M.Mus. covers 2 yrs. after the Bachelor's degree, and the M.A., M.Sc., M.Com.; and M.Econ. courses 1 yr. after the Hons. Bachelor degree. A thesis is required for the LL.M. Doctorates (except Ph.D.) are granted for approved theses to Bachelors of at least 5 yrs.' or Masters of at least 4 yrs.' standing (reducible to 4 and 3 respectively in consideration of attendance for one year as a research student at an approved institution). For the Ph.D. degree the periods are 3 yrs. and 2 yrs. The Master's and Doctor's degrees may also be conferred as honorary degrees.

Diplomas: in Education—1-yr. course; in Bantu Studies (Lower, 2 yrs., Higher, 1 yr.).

SCHOLARSHIPS FOR GRADUATES. Hiddingh-Currie, £200 p.a. for 3 yrs.; and Union, £300 p.a. for 2 yrs.

SCHOOL AND MUSIC EXAMNS. The Univ. controls and conducts a *Jr. Certificate* examn. of standard 2 yrs. below matricn., examns. for Music Certifs. and Licentiate Diplomas (for Teachers of Music and Solo Performers), and examns. in Speech Training.

PUBLICATIONS. *Calendar* (Jan.; free); *The Student* (Nov.; free).

THE YEAR 1953

STUDENTS (External): 4687, including 248 graduates.

DEGREES. B.A., 127; Hons. B.A., 22; M.A., 10; B.A. (F.A.), 2; B.Com., 24; B.Econ., 12; Hons. B.Com., 5; B.Ed., 16; M.Ed., 1; LL.B., 8; B.Sc., 9; Hons. B.Sc., 2; B.A. (S.S.), 8; Hons. B.A. (S.S.), 1; B.Mus., 1. *Total number of first degrees awarded*, 183.

DIPLOMAS. U.E.D., 3; L.D.B.S., 1; H.D.B.S., 1; C.A., 42.

UNIVERSITY OF STELLENBOSCH *

Founded 1916

Postal and Telegraphic Address: University, Stellenbosch, Cape Province, South Africa.
Telephone: 1251 Stellenbosch.

CHANCELLOR—D. F. MALAN, Th.D. Utrecht, M.A.

VICE-CHANCELLOR—J. S. GERICKE, B.A.

PRESIDENT OF CONVOCATION—G. G. CILLIÉ, M.A., Ph.D. Stras., LL.D. Cape T.

ACTING PRINCIPAL—Professor H. B. THOM, D.Phil.

REGISTRAR—D. J. KRIEL, B.A.

LIBRARIAN—G. V. MARAIS, B.Sc. Col , M.A., F S.A.L.A.

TEACHING STAFF

Agriculture, v. *infra*

Bantu Studies

van Eeden, B. I. C., D.Phil. Prof.
Olivier, N. J. J., M.A., LL.B. Prof.
Bruwer, J. P. v. S., M.A. Pret. Sr. Lectr.
Holleman, F. D., LL.D. Ley Extraord. Lectr.
Schüler, G. M. K., M.A. Lectr.

Botany

Jordaan, P. G., D.Sc. Prof.
de Vos, Miriam P., D.Sc. Sr. Lectr.
Smith, J. G., M.Sc. Lectr.

Chemistry

Professors

Rohwer, E. F. C. H., M.Sc. S.A., Dr. rer. nat. Freiburg.
Joubert, J. M., Ph.D. M.I.T., M.Sc.
Krige, G. J. R., Ph.D. Gött., M.Sc.

Senior Lecturers

Kritzinger, J. H., Dr.Ing. Aachen, M.Sc.
van der Merwe, P. W., Ph.D. Gött., M.Sc.
Barnardt, J. H., D.Sc.
Malan, H. P., M.Sc., D.Ed.

Lecturers

Stegmann, G. F., B.Sc. S.A., M.Sc.
Kemp, D. M., D Sc.

Classics

Professors

van Rensburg, J. P. J., M.A. Lond., D.Litt.
Smuts, F., Litt.D. Utrecht, M.A.

Temporary Junior Lectrs.

Baumbach, Lydia, M.A.
Conradie, P. J., M.A.

Commerce

Professors

Schumann, C. G. W., Comm.Dr. Rotterdam, B.Sc.
Pretorius, S. J., Ph.D. Lond., M.Sc.

* Member of the Association of Universities of the British Commonwealth.

Senior Lecturers
Vosloo, G. J., B.Comm. Pret.
Dempsey, W. C., M.Comm.
Schumann, D. E. W., M.Comm

Lecturers
Nolte, D. J., B.Comm., M.Ed.
Smith, C. A., B.Comm.
van Dyk, Hilletje A. A.
..... Chief Res. Officer.

Dutch and Afrikaans

Professors
Erlank, W. J. du P., B.A. Pret. and Rand, D.Litt. Pret.
Kempen, W., Litt.D. (Jan Marais Chair).
Malherbe, F. E. J., Litt.D. Amst., M.A.
de Villiers, M., M.A., Ph.D. Cape T.

Economics

Sadie, J. L., Ec.D. Rotterdam, M.Comm. (Arthur van der Lingen de Villiers Chair) Prof.
..... Sr. Lectr.

Education

Professors
Gunter, C. F. G., M.A., M.Ed. S.A., D.Ed., D.Phil. (Philos. of E.).
Du Toit, P. S., M.Ed., D.Phil. (Hist. of E.).
La Grange, A. J., M.A., D.Phil. (Educ. Psy.).
Swartz, J. F. A., M.A , D.Phil. (Met. of E.).

Senior Lecturers
Beyers, Maria S. M., M.A., M.Ed.
Donald, M. M., M.A.
Heese, J. de V., B.A., D Ed.
Uys, Anna M., M.A., B.Ed. Cape T.
Badenhorst, J. L., B.A., M.Ed.
Visser, P. G., B.A. S.A., M.Ed.

Lecturers
Van Heerden, E., D.Litt. Ghent, M.A.
Smit, J. N., B.A.
Dippenaar, Susara J., B.Sc. (Home Ec.) (Needlework).
Beukes, Johanna C., B.Sc. (Home Ec.) (Needlework).

Temporary Jr. Lecturers
Pickard, Mrs. Dorothy C., M.A. Cape T.
Mocke, Mrs. Deborah, B.A. Cape T.

Engineering

Professors
Truter, R., B.A., B.Sc.Eng. Cape T.
Straszacker, R. L., M.Sc.Eng. Rand, Dr.Eng. Charlottenburg, Dipl.Eng. Charlottenburg.
Heydorn, A., Dipl.Eng. Stuttgart.

Senior Lecturers
Sippel, J. J., B.Sc.Eng. Rand.
Steenkamp, W., B.Sc.Eng. Rand, S.M. M.I.T.
Lutsch, W. J. F. S., B.Sc.Eng. Rand.
du Toit, C. A., B.Sc.Eng. Rand.
Loedolff, G. F., B.Sc., B.Sc.Eng.
Giljam, B., Dipl.Mech.Eng. Delft.
Olèn, C. L., M.Sc.Eng. Rand.
Toerien, L. I., B.Sc., B.Sc.Eng.
Barnard, A. P., B.Sc.Eng. Cape T.
Coetsee, A., B.Sc.Eng. Cape T.
Sauermann, J. D., B.Sc.Eng. Cape T.
.....

Lecturer
Uys, J. F., B.Sc.Eng. Rand.

English

Professors
Hooper, A. G., M.A., Ph.D. Leeds.
.....

Senior Lecturers
Walpole, V., M.A. Sheff.
Johnman, C. K., M.A., B.Educ. Cape T.

Lecturers
Harvey, C. J. D., M.A. Rand.

Ravenscroft, A., M.A. Cape T.
Paterson, Mary W., M.A. S.A.
Marquard, Mrs. Nellie J., M.A. Oxon. Temp. Lectr.
De Wet, Mrs. Hilda, B.A. Temp. Lectr.

French

Franken, J. L. M , Litt.D Ghent, M.A. Prof.

Geography

Serton, P., Litt.D. Utrecht Prof.
Conradie, D. J., D.Phil Sr. Lectr.
Nel, A., D Phil. Sr. Lectr.

Geology

Scholtz, D. L., D.Sc. Prof.
Taljaard, M. S , D.Sc Prof.
Brink, W. C , D.Sc. Sr. Lectr.

German

Trumpelmann, G. P. J., Phil.D. Leipzig, D.Phil. Pret. Prof
Hoge, J., Ph.D. Stras. Sr. Lectr.

History

Thom, H. B , D.Phil. Prof.
Wiid, J. A., Ph.D. Mün., M.A. (Hist. of S. Africa) Jan Marais Prof.
van der Merwe, P. J., D Litt. Ley., M.A. Sr. Lectr.
Coetzee, C. G., M A. Temp. Lectr.

Law

Professors

Malherbe, W. M. R., LL.D. Ley.
de Wet, J. C., LL.D. Stell. and Ley., B.A.
Yeats, J. P., LL.D.

Senior Lecturer

van der Westhuizen, W. M., B.A., LL.D.

Extraordinary Lecturers

van Themaat, H. V., Dr.Jur., Dr. Jur.Pol. Ley.
Holleman, F. D., LL.D. Ley.

Mathematics and Applied Mathematics

Professors

Cillié, G. G., Jr., D.Phil. Oxon., M.Sc.
Stegmann, E. T., B.A., D.Sc. S.A.
le Roux, J. M., Ph.D. Lond., M.Sc.
Göldner, S. R. F., Ph.D. N.Y., M.Sc. Sr. Lectr.
de Villiers, A. J., B.Sc.Eng. Lectr.

Music

van der Spuy, G. Z , M.Mus. Prof.
..... Sr. Lectr.

Lecturers

Papé, Madame N.
Wandelt, Margarethe.
de Villiers, Margaretha E. (Speech Training).
Mohr, R. W., B.A. (Speech Training).
Behrens, R. H., B.A., B.Mus.
de Villiers, Gertruida E.
Lubbe, Elizabeth M. B. Jr. Lectr.
Cluver, Miss B.
Tjomsma, Miss B., Dipl. Music Amst.

Philosophy, Moral and Metaphysical

Kirsten, J. F., D.Phil. Prof.
Degenaar, J. J., D.Phil. Lectr.

Physical Education

Craven, D. H., D.Phil. Prof.

Senior Lecturers

Postma, J. W., D.Ed.Ph.
Wieffering, C. J.

Lecturers

Steinwender, Mrs. Hilde, M.Ed.Ph.
Kelder, J. C.
van der Merwe, J. J. R., B.Sc.
Nel, Hester I., M.Sc. Wellesley Coll., B.Sc.
Wiid, Miss B. M., B.Sc.

Physics

de Vos, P. J. G., D.Sc. Prof.
Cilliers, A. C., Ph.D. Fran., M.Sc. Prof.

Scheffler, T. B., D.Sc. Sr. Lectr.
Zeeman, P. B., D.Sc. Sr. Lectr.
Marais, D. J., M.Sc. Lectr.

Physiology

Brink, H. E., D.Sc. Prof.
Engelbrecht, F. M., D.Sc. Sr. Lectr.
..... Sr. Lectr.
Esterhuizen, A. C., M.Sc. Lectr

Psychology

Professors

.....
van der Merwe, A. B., M.B , Ch.B. Cape T , D.Phil.
Du Toit, J. M , M A., Ph.D. Cape T. Sr. Lectr.
Theron, P. A., D.Phil. Sr. Lectr.
van Biljon, I. J., D.Phil. Lectr.

Semitic Languages

Weiss, P. F. D., M.A. Pret., M.A., D.D. Prof
Fensham, F. C., M.A., D.D. Pret. Lectr.

Social Work and Sociology

Pauw, S., M.A., D.Phil. Pret. Prof.
Theron, Erika, D.Phil. Sr. Lectr.

Lecturers

Cilliers, S. P., D.Phil.
de Villiers, J. J., M.A. (S.W.)
du Toit, J. B., M.A. (S.W.)

Theology

Professors

Gerdener, G. B. A., Ph.D. Tübingen, M.A.
Verhoef, P. A., M.A., M.Th., Th.Dr. Amst.
Keet, B. B., Th.Dr. Amst., M.A.
Müller, J. J., Th.Dr. Amst., D.D. S.A., M.A.
Potgieter, F. J. M., Ph.D. Cape T., Th.Dr. Amst., M.A.

Zoology

Professors

de Villiers, C. G. S., Ph.D. Zür., M.A.
du Toit, C. A., Ph.D. Cape T., M.Sc.

Senior Lecturers

Grobbelaar, C. S., Ph.D. Berl., M.A.
Malan, Magdalena E., D.Sc.

Agriculture

Agric. Chemistry

Malherbe, I. de V., Ph.D. Munich, B.A. Prof.
Steenkamp, J. L., D.Phil. Oxon., M.Sc. Prof.
Perold, I. S., D.Sc.Agric. Sr. Lectr.

Agric. Economics

De Waal, P. E., M S. Corn., M.Sc. Agric. Prof.
van Wyk, S. P., D.Phil. Sr. Lectr.

Agric. Engineering

Perold, R. P., B.Sc.Eng. Cape T., B.Sc. Sr. Lectr.

Animal Husbandry

..... Prof.
Swart, J. C., D.Sc.Agric. Prof.

Dairy Husbandry

Dixon, A., M.Sc. Pret., M.Sc. Wis. Sr. Lectr.

Entomology

Potgieter, J. T., Ph.D. Ohio, M.Sc. Prof.
Joubert, C. J., M.Sc.Agric. Sr. Lectr.
Theron, J. G., M.Sc. Lectr.

Field Husbandry

Sim, J. T. R., B.Sc. Ill., M.Sc. S.A., D.Sc.Agric. Prof.
Hofmeyr, J. H., D.Sc.Agric. Sr. Lectr.

Forestry

Wicht, C. L., B.A. Oxon., Dr.Eng. Dresden, B.Sc., F.R.S.S.Af. Merensky Prof.

Hartwig, G. L. F., Dr. Oec. Publ. Munich, B.Sc.For.
Transvaal Chamber of Mines Prof.
De Villiers, P. C., M.Sc.For. Lectr.
Borgin, K. B., Kand. Filos. Uppsala, Mag. Scient. Oslo. Lectr.
Williams, C. R. F., M.A., Dipl For. Camb.
Extraord. Temp. Lectr.

Genetics

Professors

Neethling, J. H., M.Sc.Agric. Corn., M.Sc. Cape T.
Laubscher, F. X., M.Sc.Agric.

Home Economics

Senior Lecturers

Louw, Gertruida J., B.Sc. (Home Ec.).
Jooste, Martha E., M.Sc. (Home Ec.), Ph.D.
.....

Lecturers

Dippenaar, Susara J., B Sc. (Home Ec.)
Groenewald, Isabella J., B.Sc. (Home Ec.)
Mynhardt, Anna M, B.Sc. Dom. Sc.
Beukes, Johanna C, B.Sc. Dom. Sc. Jr. Lectr.

Plant Pathology

Louw, A. J., D Sc. Agric. Prof.
..... Lectr.
Louw, H. A., B.Sc.Agric. Lectr.
Van der Watt, J. J., B.Sc.Agric. Lectr.

Pomology

Professors

Reinecke, O. S. H., D.Sc.Agric. S.A., B.S.A. Tor.
Black, M. W., D.Sc.Agric.

Poultry Husbandry

Liebenberg, C. R., M.Sc.Agric. Sr. Lectr.

Veterinary Science

de Villiers, O. T., D.V.Sc. S.A Prof.

Viticulture

Theron, C. J., M.Sc.Agric. Prof.
de Waal, C. T., M.Sc.Agric. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar: H. P. Dekker, M.A. Accountant: T. G. D. van Schalkwyk, B.Comm. Asst. Librarian: F. du Plessis, B.A. Purchaser of requisites for Univ. Hostels: J. W. L. Bonthuys, B.Comm. Supervisor of Univ. Bldgs.: H. S. van Eeden.

GENERAL INFORMATION

The Victoria College developed from the Stellenbosch Gymnasium, founded in 1866, in connexion with which the Facs. of Lit. and Philos., Maths., and Phys.—the so-called "Arts Dept."—were established in 1874. In 1881 the Arts Dept. was granted a charter and accorded its status and constitution as the "Stellenbosch College" by private Act of Parlt. In 1887 (the year of the Golden Jubilee) Her Majesty consented to the College's being named "The Victoria College of Stellenbosch." By the Univ. of Stellenbosch Act, No. 13 of 1916, the Coll. on April 2, 1918, was incorporated as the University of Stellenbosch, and in addition to fulfilling its previous functions is entitled to examine its own students and grant degrees.

The Fac. of Agric. aims at the promotion of agric. sci. and development of agric. in the Union. Particular attention is given to the training of future farmers. By Act No. 45 of 1926, the Elsenburg Sch. of Agric. and the Fac.

of Agric. of the Univ. were amalgamated to constitute "The Stellenbosch-Elsenburg College of Agriculture of the University of Stellenbosch." In accordance with this Act, the Fac. of Agric. and For. "shall be for all purposes the Fac. of Agric. of the Univ. and shall have all such rights and privileges and be subject to all such duties as are laid down by the Univ. of Stellenbosch Act, No. 13 of 1916." By this amalgamation the Fac. of Agric. and For. is brought into more intimate touch with practical farming and matters relating thereto, so that its activities are more extensive than those of the original Fac. In close connexion with the Univ. is the Western Province Fruit Res. Stn. of the Union Dept. of Agric., where there are facilities for postgrad. res. in all branches of fruit production and fruit and vegetable processing. Several of staff members of the Res. Stn. are members of teaching staff of the Univ. The Dept. of For. is attached to the Fac. of Agric.

Res. work forms an important part of the activities of this Univ. In Depts. of Educational Psychol., Psychol., Sociol., Geog., Hist., Agric., Bantu Langs., Ethnog., Afrikaans-Nederlands, Geol., Biol., Law and Econ., special attention is devoted to South African problems. Since 1923, the results of res. work have been published regularly in the *Annals* of the Univ. The Univ. Council also awards a special grant for carrying on scientific investigational work.

LANGUAGE OF INSTRUCTION. Instruction is conducted mainly through the medium of Afrikaans.

FACULTIES AND DEANS. *Agric. and For.*, Prof. C. J. Theron; *Arts and Philos.* (including depts. of Bantu Studies, Ethnol. and Soc. Studies), Prof. W. Kempen; *Commerce*, Prof. C. G. W. Schumann; *Education*, Prof. P. S. du Toit; *Engin.*, Prof. R. Truter; *Law*, Prof. W. M. R. Malherbe; *Sci.* (including dept. of Dom. Sci.), H. E. Brink; *Theol.*, Prof. J. J. Muller.

LIBRARIES. Christian Marais and Carnegie. 127,787 vols. and 1428 periodicals. The Univ. receives each yr. nearly 970 different annual and other publications.

LABORATORIES. Chemical Inst. (De Beers Bldg.) for biochem. scis.; Merensky Bldg. (phys.); Dom. Sci. Bldg.; Educn. Bldg.; Phys. Educn. Bldg.; Agric. Bldg.; Lab. and Workshop of Fac. of Engin.; Natural Scis. Bldg.

SPECIAL EQUIPMENT, COLLECTIONS, ETC. Dept. of Botany possesses Botanic Garden and 3 hot-houses containing large collection of the peculiar xerophytic flora of S.A. Herbarium. Dept. of Agricultural Chem. has bldg. and equipment for manurial pot-experiments. Dept. of Bantu Studies is building up collection of specimens of native art and industry. Zool. and Geol. Museums. Vivarium. Pomol. Dept. and Western Province Res. Stn. for study of deciduous and other fruit trees. Viticulture Dept. for studies in wine and spirit production.

ADMISSION. *See* Appendix I.

DEGREE COURSES, ETC. 3 yrs.—B.A., B.A. in Social Work, B.Sc., B.Comm.; 4 yrs.—B.Mus., B.Sc. in Home Economics, B.Sc. in Agric., B.Sc. in Forestry, LL.B. (5 yrs. combined with B.A.); 5 yrs.—B.Sc.Eng.; 1 yr. postgraduate—M.A., M.A. in Social Work, M.Sc., M.Sc. in Home Econ., M.Sc. in Agric., M.Sc. in Forestry, M.Comm., M.Sc.Eng.; 3 yrs. postgraduate—M.Ed., B.D.; 2 yrs. after Master's degree—D.Phil., D.Litt., D.Sc., D.Ed., D.Ed.Ph., D.Sc. in Agric., D.Sc. in Forestry, D.Comm., D.Sc.Eng.; 2 yrs. after B.D.—D.D.; 2 yrs. after LL.B.—LL.D. Courses are also provided for the following

diplomas: the Secondary Teachers' and Higher Primary Certificates; also for Certificates in Comm., Home Econ., Social Work, Teaching of Special Classes, Teaching of Music, Teaching of Speech Training and Dramatic Art, Teaching of Physical Education.

FEES. Registration, £3 : 17 : 6 p.a. (incl. sports fee and fees payable to Students' Representative Council). Composite (including tuition, examn., laboratory, library and, in final year, graduation fees) average per semester: for Master's degree, £20; for Bachelor's degree, £24; for Doctorate, £12.

PHYSICAL TRAINING. Although phys. trg. is not compulsory the majority of the students participate, *i.e.* in rugby, cricket, tennis, baseball, netball, boxing, swimming and athletics.

HEALTH OF STUDENTS. Assistance of fully trained nurse at disposal of all students who may require her services. Periodical inspections to ascertain general health of all students in Univ. hostels.

SCHOLARSHIPS FOR GRADUATES. Abe Bailey, £450 p.a. for 2 yrs. tenable at Oxford or any other British Univ.; Queen Victoria Memorial (women only), £200 p.a. for 3 yrs.; Hiddingh, £266 : 13s. 4d. p.a. for 3 yrs.; Ebden, £300 p.a. for 2 yrs.; Conservatorium of Music, £100 for 1 yr.; Croll Memorial, Donald Currie Memorial, George Grey Memorial, Porter, Queen Victoria and Union, each £300 p.a. for 2 yrs.; Maynard, £90 p.a. for 2 yrs.; Austin, £1000 p.a. for 1 yr.; Sir Henry Strakosch Memorial, £600 p.a. for 1 yr.; J. M. Hansen, £100 p.a. for 1 yr.

RESIDENCE. *For men*: John Murray-Huis (*Telephone*: 0019), accommodates 350, £97 p.a.; Wilgenhof (*Telephone*: 0032), 104, £88 p.a.; Helderberg (*Telephone*: 0045), 82, £96 p.a.; Huis Visser and Huis Marais (*Telephones*: 0046 and 0053), accommodate 245, £96 : 10s. p.a. *For women*: Huis de Villiers (*Telephone*: 0047), accommodates 127, £91 p.a.; Huis ten Bosch (*Telephone*: 0015), 116, £90 : 10s. p.a.; Huis van Niekerk (*Telephone*: 0027), 100, £91 p.a.; Harmonie (*Telephone*: 0041), 67, £89 : 10s. p.a.; Monica (*Telephone*: 0028), 75, £89 : 10s. p.a.; Lydia (*Telephone*: 1223), 154, £91 p.a.

PUBLICATIONS. *Calendar* (Annual, Pt. I, Nov., Pt. II, May); *The Stellenbosch Student* (by Students' Repr. Council); *Annals of the University of Stellenbosch* (by Senate).

THE YEAR 1953

NEW BUILDINGS. Under construction: new bldg. for Civ. Engin.; new bldg. for Food Technology.

NEW DEPARTMENTS AND POSTS. Professorships in Poultry Husbandry, Vet. Sci. and Dietet.; 2 lectureships in Dept. of Phytopathol. and Microbiol.; lectureship in Entomol. The Union Dept. of Educn. approved the creation of these posts. Sr. lectureship in Geophysical and Econ. Geol.; sr. lectureship (replacing lectureship) in Fac. of Educn., Fac. of Comm. and Dept. of Geol.; lectureship (replacing jr. lectureship) in Dept. of Sociol. and Soc. Work; lectureship (replacing temp. lectureship) in Dept. of Chem.; 2 lectureships at Conservatorium for Music.

RESIGNATIONS. Prof. J. G. Meiring (Educn.), Dr. E. Stockenström (Educn.), Miss L. J. Louw (Dom. Sci.), H. J. Joubert (Music), Miss E. G. van Niekerk (Dom. Sci.).

HONORARY DEGREES. *D.Comm*—Adv. E. H. Louw. *D.Phil.*—Mrs. J. E. Conradie, Prof. Dr. P. J. van Winter.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	1497	..
Women	704	..
Total	2201	..

Postgraduate students, 296

New admissions, 618.

Students from other countries, 26. (Countries from which largest numbers came: Rhodesias, 14; E. Africa, 4; Netherlands, 2.)

DEGREES. *Agric.*: B.Sc. (Agric.), 27; B.Sc. (For.), 2; M.Sc. (Agric.), 9; *Arts*: B.A., 147; B.A. in Soc. Work, 11; B.Mus., 6; M.A., 11; M.A. in Soc. Work, 2; D.Phil., 1; *Comm.*: B.Comm., 33; M.Comm., 2; D.Comm., 1; *Educn.*: M.Ed., 3; M.Ed.Ph., 1; *Engin.*: B.Sc. Eng., 21; M.Sc. Eng., 1; D.Sc. Eng., 1; *Law*: LL.B., 22; LL.D., 1; *Sci.*: B.Sc., 44; B.Sc. Dom. Sc., 5; M.Sc., 3; D.Sc., 3.

DIPLOMAS, ETC. *Arts*: Dipl. in Soc. Work, 1; *Educn.*: Dipl. for Teachers of Special Classes, 8; Higher Primary Teacher's Dipl., 34; Secondary Teacher's Dipl., 69; *Comm.*: Dipl. in Comm., 7; *Music*: Teacher's Dipl. in Music, 12; Prim. Teacher's Cert. (spec.) in Music, 1; *Speech Trg. and Dramatic Art*: Teacher's Dipl. in Speech Trg. and Dramatic Art (Afr.), 2; Primary Teacher's Cert. (spec.) in Speech Trg. and Dramatic Art (Afr.), 5; Primary Teacher's Cert. (Spec.) in Speech Trg. and Dramatic Art (Eng.), 3; Spec. Teacher's Cert. in Speech Trg. and Dramatic Art (Eng.), 3; Final Cert. in Speech Trg. (Afr.), 8; Final Cert. in Speech Trg. (Eng.), 5; *Sci.*: Dipl. in Dom. Sc., 17; Dipl. in Hospital Dietetics, 2.

[*Information compiled as at* 19/8/54.]

UNIVERSITY OF THE WITWATERSRAND JOHANNESBURG *

Founded 1921

Postal Address: Milner Park, Johannesburg, Transvaal, South Africa.
Telegrams: University, Johannesburg.
Telephone: 44-3781.

CHANCELLOR—Hon. R. FEETHAM, C.M.G., M.A., LL.D.

VICE-CHANCELLOR AND PRINCIPAL—W. G. SUTTON, B.A., B.Sc. (Eng.) Cape T.

VICE-PRINCIPAL—I. GLYN THOMAS, M.A. Oxon.

CHAIRMAN OF COUNCIL—P. M. ANDERSON, D.Sc (Eng.).

PRESIDENT OF CONVOCATION—J. MORRIS, B Com.

REGISTRAR—A. DE V. HERHOLDT, B.Com.

ACCOUNTANT—D. A. DODDS.

LIBRARIAN—ELIZABETH HARTMANN, B A.

TEACHING STAFF

Actuarial Science, v. Maths.

Afrikaans and Nederlands

van den Heever, C. M., M.A., D.Litt. S A., Litt.Docts. Utrecht (Afrikaans) Prof. and Hd. of Dept.
Coetzee, A. J., M.A., D.Litt. et Phil. Nijmegen Prof.
Nienaber, P. J., M.A. S.A., D.Litt. et Phil. Amst. Sr. Lectr.
Hattingh, S. C., M.A., D.Litt. Sr. Lectr.
Lindenberg, E., Litt.Docts. Amst., B.A. Lectr.

Anatomy

Dart, R. A., M.Sc. Q'ld., M.D., Ch.M. Syd., F R.S.S.Af. Prof.
Gilbert, Christine, D.Sc. Sr. Lectr.
Wright, M. K., M.Sc., M.B., B.Ch. Sr. Lectr.
Tobias, P., M.Sc., M.B., B.Ch. Sr. Lectr.
Arnold, M., M.B., B.Ch., F.R.C.S. Ed. Lectr.
Toerien, M. J., M.Sc. Stell. Lectr.
Webb, Pauline M., B.Sc., M.B., Ch.B. Cape T. Lectr.
5 Temp. Lectrs., 3 Lab. Techns.

Archæology

van Riet Lowe, C., D.Sc. Cape T., F.R.S.S.Af. Prof.
Malan, B. D., B.A. Cape T., F.S.A. Pt.-time Lectr.

Architecture and Quantity Surveying

Fassler, J., B.Arch. Prof.
Howie, W. D., B.Arch. Sr. Lectr.

Lecturers

Shunn, J., B.Arch.
Herbert, G., B.Arch.
Tomaselli, U., B.Arch.

* Member of the Association of Universities of the British Commonwealth.

Morgenstern, J., B.Arch., Dip. T.P.
Pinfold, H. C.

Part-time Lecturers

Castleton, J., F.R.I.C.S.
Milford, R. B., B.Sc. (Q.S.).
Smit, N. P., B.Sc. (Eng.) Cape T Pt.-time Lectr.

Bantu Studies

Cole, D. T., M.A. Prof.
Jeffreys, M. D. W., M.A. Oxon., Ph.D. Lond. (Social Anthropol) Sr. Lectr.
Lewin, J., B.A., LL.B. Cape T. (Native Law and Admin) Sr. Lectr.
Longmore, Laura, M.A. Cape T. Lectr.
Mofokeng, S. M., M.A. Sr. Lang. Asst.

Language Assistants

Mncube, F. S. M., M.A.
Sobukwe, R M , B.A. S A.

Botany

Badenhuizen, N. P., D.Sc. Amst. Prof.

Senior Lecturers

Gilliland, H. B., B.Sc. Edin., D.Sc., F.L.S.
Roux, E., Ph.D. Camb., M.Sc.

Lecturers

Hancock, Florence D., M.Sc.
Davidson, R. L., B.Sc., Ph.D.
Krupko, S., Ph.D. Warsaw.
1 Temp. Lectr., 1 Lab. Techn.

Chemistry and Chem. Engineering

Bockris, J. O'M., Ph.D. Lond., F.R.I C. (Phys. Chem.) Prof.
Backeberg, O. G., M.A. Oxon., D.Sc., F.R.I.C. (Org. Chem.) Prof.

Senior Lecturers

Israelstam, S. S., M.Sc., Ph.D., F.R.I.C.
Hawke, F., M.Sc. (Eng.), Ph.D., F.R.I.C.
Murray, K. A., Ph.D. S.A., M.Sc., F.R.I.C.

Lecturers

Marais, J. L. C., M.Sc., Ph.D
Schoeman, D. J., M.Sc. (Eng.).
Simpson, J. D., M.Sc., Ph.D.
James, G. S., O.B.E., B.Sc. Cape T., M.Sc.
1 Temp. Lectr., 1 Lab Techn.

Classics

Haarhoff, T. J., B.A. Cape, B.Litt. Oxon., Litt.D. Amst. Prof.
Acheson, G. J., M.A. Oxon. Sr. Lectr.
Naude, C. P. T., B.A. Oxon., M.A. Sr. Lectr.

Lecturers

Lagouros, A., B.A. Constantinople.
Thorpe, A., B.A. Oxon., M.A.
1 Grad. Asst.

Commerce and Applied Economics

Richards, C. S., M.Com. Durh., D.Sc. Prof.
Wimble, B. J. S., F.S.A.A. (Accounting) Prof.
Laight, J. C., M.Com. S.A., F.C.I.S. Sr. Lectr.
Cairns, T., B.Com. Cape T. Sr. Lectr.
Taylor, I. R., B.L. Glas. Sr. Lectr.
Lomas, P. K., B.Com. Durh. Lectr.
van Waasdyk, T., Econ. Doctr. Rotterdam Research Asst.
6 Pt.-time Lectrs., 21 Tutors.

Dentistry, v. *infra*

Economics and Econ. Hist.

Lachmann, L. M., M.Sc. (Econ.) Lond., Dr. rer. Pol. Berl. Prof.
Samuels, L. H., B.Com Sr. Lectr.
Welsh, Anne, B.A. Oxon. Lectr.
Wright, H. R. C., Ph D. Camb. Lectr.

Education

Lighton, R. E., M.A. Pret. Hon. Prof.

MacMillan, R. G., M.A., B.Sc. S.A. Pt.-time Lectr.

Behr, A. L., B.Sc. Pret., B.A., M.Ed., D.Phil. S.A. Pt.-time Lectr.

Engineering, v. *infra*

English

Partridge, A. C., M.A. Pret., Ph.D. Cape T. Prof.

Senior Lecturers

van Heyningen, Christina, B.A. Oxon., M.A. Stell.

Girling, H. K., B.A. Oxon.

Lecturers

Philip, Thelma, M.A. Cape T.

Geffen, Zoe N., B.A., M.Litt. Camb.

Christie, Katharine J. H., B.A. Oxon., M.A. S.A. Temp. Lectr.

Fine Arts

Martienssen, Heather, Ph.D. Lond., B.Arch., M.A. Sr. Lectr.

Long, Marjorie K., B.A. (Fine Arts) S.A. Lectr.

5 Pt.-time Lectrs.

French and Romance

Valkhoff, M., D.Litt. et Phil. Amst. Prof.

Pagnucco, A., Dott. in Lett. U.C.S.C. Milan (Italian) Prof.

Shackleton, M., M.A. Oxon. Lectr.

Geography

Wellington, J. H., M.C., M.A. Camb. Prof.

Jackson, S. P., Ph.D. Lond., M.A., D.I.C. Sr. Lectr.

Geology

Gevers, T. W., M.A., D.Sc. Cape T., Dr.phil. Munich Prof.

Mendelssohn, E., A.M. Harv., M.Sc. Sr. Lectr.

Lecturers

Fockema, R. A. P., M.Sc. Pret.

Little, Jeanne de V., M.Sc. Cape T.

van Biljon, W. J., M.Sc. Pret.

Plumstead, Edna P., M.Sc. Pt.-time Lectr.

1 Lab. Asst.

German

Hesse, W. G., Dr.Phil. Bres. Sr. Lectr. in charge.

Gimkey, S. F., M.Sc. (Eng.) (G. for Engineering Students) Pt.-time Asst.

Hebrew

Rabinowitz, L. I., M.A., Ph.D. Lond. Pt.-time Prof.

Rappaport, S., Ph.D. Vienna Lectr.

History

Marais, J. S , M.A. Cape T., B.A., D.Phil. Oxon. Prof.

Ballinger, R. B., B.A. S.A. Sr. Lectr.

Horton, J. W.. B.Litt. Oxon., B.A. S.A. Lectr.

Law, v. also Bantu Studies

Professors

Hahlo, H. R., Dr.Jur. Halle, LL.B.

Burchell, E. M., M.A. Camb., LL.B. S.A.

Scholtens, J. E., Dr.Jur. Amst.

Kahn, E., B.Com., LL.B. Sr. Lectr.

2 Sr. Lectrs., 5 Pt.-time Lectrs.

Mathematics, Actuarial Science and Statistics

Hyslop, J. M., M.A., D.Sc. Glas., B.A., Ph.D. Camb. Prof.

Senior Lecturers

Kerrich, J. E., M.Sc., Dip.Act. Math. Edin., F.R.A.S., F.S.S.

Young, F., M.A., Dip.Act.Math.

Lecturers

Boyd, A. V., M.Sc.

Clarke, M. G., B.A.
Isaacs, G., M.Sc. Cape T., Ph.D. Lond.
Berg-Sonne, N., M.Sc. Copenhagen.
Harington, Catherine F., M.Sc.
Temporary Lecturer
Parker, J. M., B.A. Belf., Dip.Act. Maths.

Mathematics, Applied
Bleksley, A. E. H., M.Sc. Stell., D.Sc Prof.
Oliver, H. O , M.Sc. Stell. Sr. Lectr.
Kuperman, I. B. Z., M.Sc. Cape T. Lectr.
van der Merwe, J. H., M.Sc. Stell. Lectr.

Medicine, v. *infra*

Metallurgy, v. Engineering, *infra*

Mining Engineering and Surveying, v. Engineering, *infra*

Music and History of Music
Hartmann, F. H., Dr.Jur. Vienna, D.Mus. S A.
Paff, W. P., Ph.D. Sr. Lectr.
11 Instrs. (Pt.-time).

Philosophy
Harris, E. E., M.A. S.A., B.Litt. Oxon., D.Litt. Prof.
Lecturers
Livingstone, D. S., M.A. Durh.
McNeilly, F. S., M.A. Glas., B.Phil. Oxon.
Mellor, W. W., B.Phil. Oxon.

Phonetics and Logopedics
Pienaar, P. de V., Ph.D. Hamburg, M.A. Prof.
Breckwoldt, G. H., Ph.D. Hamburg Lectr.

Physics
Nabarro, F. R. N., M.B.E., M.A. Oxon., D.Sc. Birm. Prof.
Senior Lecturers
Cooper, M. A., M.Sc., Ph.D. S.A., F.I.P.
Wiles, G. G., M.Sc. S.A., D.Phil. Oxon.
Aarts, W. H., M.Sc. Cape T., Ph.D.
Logie, H J., D.Sc.
Lecturers
Kushlick, I., M.Sc. Cape T.
Brommert, J. W., B.Sc.
Wilsdorf, Doris, Dr. rer. Nat. Gott.
Eagle, B A., B.Sc. S.A., B.A. Camb.
1 Instrument Maker, 1 Sr. Demr., 1 Lab. Asst.

Physiology
Gillman, J., D.Sc., M.B., B.Ch. Otto Beit Prof.
Bernstein, R. E., M.Sc., M.B., B.Ch., D C.P. Lond. Sr. Lectr.
Cohen, S., M.B., B.Ch. Sr. Lectr.
Levy, P., D.Phil. Oxon., M.Sc. Sr. Lectr.
Lecturers
Van Zyl, A., M.Sc. Stell.
Leibowitz, S., B.Sc., M.B., B.Ch.
Kaminer, B., M.B., B.Ch.
Festenstein, G. N., M.Sc. Rhodes, Ph.D. Liv.
3 Lab. Techns.

Psychology
MacCrone, I. D., M.A. Cape T. and Oxon., D.Phil. Prof.
Warffemius, C. A. L., B.Sc. Lectr.
Van Zyl, A. E., M.A. Cape T. Lectr.
Lejeune, Yvonne, B.A. Pt.-time Lectr.

Social Studies
Wagner, O. J. M., M.A. Cape T., D.Phil. Stell. Prof.
Badenhorst, L. T., M.A. Stell. Sr. Lectr.
Muller, Ceciel, B.A. (Soc. Sc.) Stell. Lectr.
Sherwood, E. T., M.A. Soc. Sc. Chic.

Seawright, Mrs. T. R., M.A. Soc. Sc. Cape T.
Supt. of Field Work.

Zoology

Balinsky, B., D.Sc. Kiev Sr. Lectr.
Bolwig, Niels, D.Sc. Copenhagen Sr. Lectr.
Hovy, J. W. H., Cand.Biol. Utrecht, Ph.D. Lectr.
Nolte, D. J., M.Sc. Pret., Ph.D. Lectr.
Kalk, Margaret J., B.Sc. Lond. Lectr.
McKerrow, Muriel, Ph.D. Temp. Lectr.
1 Hon. Lectr., 1 Sr. Lab. Techn.

Dentistry

(for subjects of first 2 yrs.—Anat., etc.—and for other subjects common to D. and Medicine—*e.g.* Pathology—v. *supra et infra*)

Shaw, J. C. M., M.A., B.Dent.Sc. Dub., D.D.S., F.R.S.S.Af.
Prof., also Lecturer in D. Anat., Physiol. and Histol.

Children's D.

Kotze, A. J., M.B., Ch.B. Edin., B.D.S.
Lectr. and Clin. Lectr., Lectr. also in Dentistry for Medical Students.

Clinical and Applied Oral Anatomy

Stein, I., M.B., B.Ch., M.D.S. Hon. Lectr.

Conservative Operative D.

Shepherd, G. F., L.D.S. Liv. Pt.-time Prof.

Dental Anæsthetics

Bentel, H., M.B., B.Ch. Clin. Lectr.
Bennett, A. M., M.B., Ch.B. Cape T.

D. Ethics and Jurisprudence

Shaw, J. C. M., M.A., B.Dent.Sc. Dub., D.D.S., F.R.S.S.Af. Hon. Lectr.

D. Histopathology

Staz, J., D.D.S. Prof.

D. Materia Medica

Breyer, J. H., Tandarts Utrecht Pt.-time Prof.

D. Mechanics

Ryan, J., L.D.S. Glas. Lectr. and Demr.

D. Metall. and Chem. of D. Materials

Berry, T. B., B.Sc.Eng. Cape T. Lectr.

D. Pathology

Staz, J., D.D.S. Prof.

D. Prosthetics

Hossack, F. A., L.D.S. Glas. Pt.-time Prof.

D. Radiology

Abrams, M., L.D.S. Liv. Clin. Lectr.

D. Surgery

Staz, J., D.D.S. Prof.

D. Therapeutics

Breyer, J. H., Tandarts Utrecht Prof.

Maxillo-Facial and Oral Surgery

Brown, L. J., L.D.S. Lectr.

Odontology

Irving, J. T., Ph.D., M.D. Camb. Prof.

Orthodontia

Bëan, N., M.D.S. Lectr. and Clin. Lectr.

Public D.

Laing, Jean, L.D.S., D.P.D. St. And. Hon. Lectr.

Full-time Senior Clin. Lectrs.
Cohen, B., M.S.D. Northwestern, B.D.S.
Dodds, A. E., B.Sc., B.Ed. S.A., B.D.S.
Dreyer, C. J., B.Sc., B.D.S.
Williams, E. G., B.D.S.
Clin. Lectr.
31 Hon. Clin. Lectrs. in Operative, Conservative or Prosthetic Dentistry.
4 Dental Mechanicians.

Engineering

(v. also Architecture, Chem. and Chemical Engin., *supra*)

Civil Engineering

Jenning, J. E. B., B.Sc. Eng., M.Sc. Prof.
Ockleston, A. J., B.E. N.Z., Ph.D. Brist., D.Sc. (Eng.) (Structural Engin.) Prof.
Clarke, C. H., B.Sc., B.E. Syd. Sr. Lectr.

Lecturers

Hopkins, D., B.Sc. (Eng.) Cape T.
Mills, R. H., B.Sc. (Eng.).
1 Lab. Techn.

Electrical Engineering

Bozzoli, G. R., D.Sc. (Eng.) City Prof.

Senior Lecturers

Goldsmith, A., B.A. Cape, B.Sc. (Eng.).
Cormack, W., B.Sc. (Eng.) Cape T., D.Sc. (Eng.).

Lecturers

Webb, V. L., B.Sc. (Eng.).
Kitai, R., M.Sc. (Eng.).
Heymann, F. G., M.Sc. (Eng.).
Mayne, D. Q., B.Sc. (Eng.).
1 Sr. Lab. Techn.

Mechanical Engineering

Gimkey, S. F., M.Sc. (Eng.).

Senior Lecturer

Jensen, A. E., B.Sc. Lond., M.Sc. (Eng.).

Lecturers

Drysdale, J.
de Beer, F. A. H., Dip.Ing. Hanover, Dr. rer. Pol. Berl.
Rallis, C. J., M.Sc. (Eng.).
Bunt, E. A., M.Sc. (Eng.).
Seawright, R. M. F., B.Sc. (Eng.) Hon. Lectr.

Metallurgy

Taverner, L., D.I.C. Prof.
Millin, D., B.A. Cape, F.R.I.C. Sr. Lectr.
Siff, A., M.A. Cape T. Lectr.
le Roux, D. B., B.Sc. (Eng.) Lectr.
Yeo, R. G., M.Sc. Birm. Lectr.
1 Sr. Lab. Techn.

Mining Engineering

..... De Beers Prof.
Edwards, E. P., B.Sc. Lond. (Mining E.) Sr. Asst.

Senior Lecturers

Edwards, T., B.Sc. Lond.
Simpson, T. P.

Surveying

Lauf, G. B., D.Sc. (Eng.) Prof.
Freislich, J. G., B.Sc. (Eng.) Sr. Lectr.
Watt, I. B., B.Sc. (Eng.) Lectr.

Medicine

(for subjects of first 2 yrs.—Anat., etc., v. *supra*)

Anæsthetics

Nicholson, J. C., M.B., Ch.B. Manc. Chief Anæsthetist.

Sr. Anæsthetists (Pt.-time)

Fisher, M., M.B., Ch.B., D.T.M.
Feldman, D., M.B., B.Ch.
Becker, C.
Hoffmann, S., M.B., B.Ch.
Hochschild, G.
Frost, C., M.B., B.Ch.
Segal, B., M.B., B.Ch.

Roberts, F., M.B., B.S. Lond.

Senior Anæsthetists

Devitt, D. C.

McWilliam-Smith, Miriam B., M.B., Ch.B. Cape T.

Anæsthetists

Duffield, J. R., M.B., B.Chir. Camb.

Vetten, Kathleen B., M.B., B.Ch.

Assistant Anæsthetists

Faberlan, H. A., M.B., B Ch.

Kramer, M. S., M.B., B.Ch.

Fisher-Jeffes, D. L., M.B., B.Ch. Cape T., D.P.H.

Siff, I., M.B., B.Ch. Cape T.

Martienssen, Kathleen, M B., B.Ch., D A

Silberman, S., M.B., B.Ch.

Wayburne, Hilde, M.B., B.Ch.

Widgerow, C., M.B., B.Ch.

10 Anæsthetic Registrars

Bacteriology and Parasitology

Becker, B. J. P., M.D., B.Ch., D.P.H., D.T.M. & H.
Actg. Hd.

Senior Lecturer

Chatgidakis, C. B , M.B., B.Ch., D.P.H., D.T.M. & H.

Lecturers

Siew, S., M.B., B.Ch.

Schapera, R., M.B., Ch.B. Cape T.

1 Lab. Techn.

Diseases of Children

Heymann, S. C., M.B., B.Ch.
Chief Pædiatrician (Pt.-time).

Strawbaun, A. E.
Sr. Pædiatrician (Pt.-time).

Kahn, E., M.D., B.Ch.
Sr. Pædiatrician.

Assistant Pædiatricians (Pt.-time)

Javett, S., M.D., B.Ch.

Theron, J. J., M.D., B.Ch.

Parnell, J. L., M.B., B.Ch.

Assistant Pædiatricians

Falcke, H. C., M.B., B.Ch.

Felman, N., B.Sc., M.B., B.Ch.

Kessel, I., M.B., B.Ch.

First Pædiatric Assts. (Pt.-time)

Kuschlick, P., M.B., Ch.B. Cape T.

Marks, G., M.B., B.Ch.

4 Second Pædiatric Assts. (Pt.-time), 6 Pædiatric Registrars.

Diseases of Children, Surgical

Almond, R. L., M.B., B.S. Melb., F.R.C.S.
Sr. Surgeon (Pt.-time).

Lannon, J., M.B., B.Ch., F.R.C.S.
Asst. Surgeon (Pt.-time).

Kark, W., M.B., B.Ch., F.R.C.S. Ed.
First Surgical Asst. (Pt.-time).

Walker, D. H., M.B., B.Ch., F.R.F.P.S.Glas.
Surgical Registrar.

Diseases of the Skin

Gluckman, I.
Chief Dermatologist (Pt.-time).

Rose, M. Dermatologist.

Evans, H.
Asst. Dermatologist (Pt.-time).

First Asst. Dermatologists (Pt.-time)

Loewenthal, L. J. A., M.D., Ch.B., D.T.M., D.T.H. Liv.

Robins, A.

3 Second Asst. Dermatologists (Pt.-time).

Dispensary Practice

Cormack, M.A., M.B., B.Ch.
Tutor.

Ear, Nose and Throat, Dis. of

Klugman, D. H., F.R.C.S.Ed.
Chief Aural Surgeon (Pt.-time).

Sr. Aural Surgeons (Pt.-time)
Fox, G. M.
Kerr, W. A.
Popper, O., M.B., Ch.B., F.R.C.S. Ed.

Asst. Aural Surgeons (Pt.-time)
Bernstein, B. T., M.B., B.Ch., F.R.C.S.Ed.
Jackson, M., F.R.C.S.Ed.

Asst. Aural Surgeon
Aronson, C., M.B., B.Ch.

First Aural Asst. (Pt.-time)
Raymond-Jones, T.
3 Second Aural Assts. (Pt.-time), 1 Aural Registrar (Pt.-time).

Eye, Diseases of the
Franks, M., M.B., B.Ch.
Chief Ophthalmologist (Pt.-time).

Sr. Ophthalmologists (Pt.-time)
Marais, I., M.B., B.Ch. Dub.
Staz, L., M.B., B.Ch. Dub.
Kaye, H., F.R.C.S.Ed.

Asst. Ophthalmologists (Pt.-time)
Handelsman, G.
Friedmann, A. I., M.B., B.Ch.
Taylor, I. B., M.B., B.Ch.

First Ophthalmological Asst. (Pt.-time)
Etzine, S., M.B., B.Ch.
3 Second Ophthalmological Assts. (Pt.-time), 3 Ophthalmic Registrars.

Forensic Medicine
Mackintosh, R. H. Hon. Prof.
Friedman, J., M.B., B.Ch., D.P.H. Pt.-time Sr. Lectr.

Part-time Lecturers
Krausey, B., M.B., Ch.B. Cape T.
Kemp, V. D., M.B., B.Ch.

Hospital Administration and Conduct
Mills, K. F. T., M.B., B.Chir. Camb., D.P.H. Lectr.

Infectious Diseases, Acute
Bayer, P., M.D., Ch.B. Aberd.
Sr. Lectr. and Clin. Lectr.

Medical Practice, Conduct of
Meiring, J. de Vos, M.B., Ch.B. Edin. Lectr.

Medicine
Elliott, G. A., O.B.E., M.D. Cape T., F.R.C.P.
Prof. and Chief Physician.
Gear, J. H., B.Sc., M.B., B.Ch., D.T.M. & H.
Sr. Professional Asst.

Sr. Physicians (Pt.-time)
Heimann, H. L., M.D., F.R.C.P.
Suzman, M. M., M D. Durh.

Sr. Physicians
Gilroy, J. C., M.D., Ch.B. Edin.
Grek, I. J., M.D., B.Ch.

Physicians (Tutorial)
Lopis, S., M.D., B.Ch.
van Lingen, B., M.D., B.Ch.

Physicians
Gillanders, A. D., M.B., Ch.B.
Horwitz, L. H., M.B., B.Ch.
Popper, Evelyn N., M.D.
Wilson, V. H., M.D. Camb.
Grieve, S., M.B., B.Ch.

Asst. Physicians (Tutorial)
McGregor, M., M.D., B.Ch.
Ordman, B., B.A. S.A., M.B., Ch.B. Liv., M.D.

Asst. Physicians (Pt.-time)
Agranat, A. L., M.D., B.Ch. Dub., D.T.M. & H.
Bell, J. A., M.D., Ch.B. Glas., F.R.F.P.S.Glas.
Menof, P., M.B., B.Ch.
Reid, F. P., M.B., Ch.B. Edin.

Asst. Physicians
Grusin, H., M.B., B.Ch.
Hirschowitz, L., M.D., B.Ch.

Saner, R. G., M.D., B.Ch.
Schwartz, M. B., B.Ch.
Sluiscremer, G. K., M.D., B.Ch.

First Medical Assts. (Pt.-time)
Bayer, P., M.D., Ch.B. Aberd.
Posel, M. M., M.D.
Rabinowitz, A., M.D.
Schneider, T., M.B., B.Ch.
10 Second Medical Assts. (Pt.-time), 4 Temp. Med. Registrars (Tutorial), 12 Med. Registrars.

Assistant Medical Officer
Meyer, Sylvia F., M.B., B.Ch., D.P.H.

Medicine, Physical
Haden, H. L., M.B., B.Ch., D.Phys.Med.
Chief Specialist (Pt.-time).

Sr. Specialists (Pt.-time)
Adler, C., M.B., B.Ch., D.Phys. Med.
Lomey, A. L., M.D., Ch.B, D.Phys.Med.
Robins - Browne, R., M.D. Lausanne, D.Phys.Med.

Asst. Specialist (Pt.-time)
Hoffman, S. J., D.Phys.Med.

Asst. in Physical Med. (Tutorial)
Dreyer, Tilly, B.Sc., M.B., B.Ch., D.Phys.Med.

First Asst. in Physical Med. (Pt.-time)
Klass, N. S., M.B., B.Ch. Dub., D.Phys.Med.

Neurology
Geerling, R., Arts Holland, M.D. Amst. Chief Neurologist.

Sr. Neurologists (Pt.-time)
Katz, S. M., M.D., Ch.B. Liv.
du Toit, F. F., M.B., Ch.B. Edin.

Neurologist
van Hoepen, H. E., Arts Holland, M.D. Pret.

Asst. Neurologists (Pt.-time)
Perk, D., M.D.
Peskin, M., M.D., B.Ch.
Watt, A. C., M.B., Ch.B.
4 Neurol. Registrars.

First Asst. Neurologist and Psychiatrist (Pt.-time)
Reinhold, S., M.B., B.Ch.

Second Asst. Neurologist and Psychiatrist (Pt -time)
Feldman, M., M.B , B.Ch.

Asst. Neurologists and Psychiatrists
Kless, M., B.Sc.
Patterson, M , M B., B.Ch.

Nursing Education
Pietersen, Johanna V , M.B., Ch.B. Edin., D.P.H.
Hd. of Sub-Dept.

Teaching in this sub-dept. is also contributed to by staffs of depts. of Anat., Bacteriol., Chemistry, Clin. Pathol , Educn., Obstet. and Gynæcol , Pharmacol., Physiol., Physiotherapy, Psychol., Surg. and Zool , and by teaching staffs of Johannesburg General Hospl. and Nursing Coll.

Obstetrics and Gynæcology
Heyns, O. S., M.A., B.Sc. Cape T., D.Sc., F.R.C.O.G.
Prof. and Chief Obstetrician and Gynæcologist.
van Dongen, L. G. R., M.Sc., M.D., B.Ch.
Sr. Obstetrician and Gynæcologist.

Sr. Obstetricians and Gynæcologists (Pt.-time)
Boyd, A., F.R.C.S.Ed.
Krige, C. F., M.A., B.M., B.Ch. Oxon., F.R.C.S.Ed.
Schabort, J. W., M.D., B.S. Lond.
Daubenton, F., B.Sc., M.B., B.Ch.
Sr. Professional Asst.

Obstetrician and Gynæcologist (Tutorial)
Shippel, S., M.B., B.Ch.

Obstetrician and Gynæcologist
Lavery, D. W. P., M.D., B.Ch.

Asst. Obstetricians and Gynæcologists (Pt.-time)
Broido, A.
Peltz, P., F.R.C.S.Ed.

Asst. Obstetrician and Gynæcologist
.....

First Obstetrical and Gynæcological Assts. (Pt.-time)
Cohen, S. J., M.B., B.Ch., F.R.C.S.Ed.
Culiner, A., M.D. Tor., F.A.C.S.
de la Hunt, N. E. C., M.B.E., M.B., B.Ch.
3 Second Obstetrical and Gynæcological Assts. (Pt.-time).

Registrar in Obstet. and Gynæcol. (Tutorial)
Neser, F. N., M.B., B.Ch.
6 Registrars in Obstet. and Gynæcol.

Tutor in Clin. Obstet.
Evans, W. B., B.Sc., M.B., B.Ch.
1 Sr. Lab. Techn.

Occupational Therapy
Haden, H., M.B., B.Ch. Hd. of Sub-Dept.
Cynkin, Simme Pt.-time Lectr.
Grieves, S. S. Craft Instr.
Jack, B.

Pt.-time Lectrs.
Shaw, Miss R.
Hugo, Mrs. C.

Orthopædics
Edelstein, J. M., M.B., Ch.B. Edin., M.Ch.Orth. Liv., F.R.C.S.Ed. Chief Orthopædic Surgeon (Pt.-time) and Nuffield Lectr.

Orthopædic Surgeons
Craig, J. J., M.B., B.Ch.
Morris, C., M.B., Ch.B. Cape T.
Allen, A. L., M.B., B.Ch. Orthop. Surgeon (Pt.-time).

Asst. Orthopædic Surgeons (Pt.-time)
du Toit, G. T., F.R.C.S.
Moller, C. T., M.B., B.Ch., F.R.C.S. Eng. and Ed.

Asst. Orthopædic Surgeon
Smit, A. D., M.B., Ch.B. Edin.

First Orthopædic Asst. (Pt.-time)
Sacks, S., M B., Ch.B. Cape T., F.R.C.S.Ed.
5 Orthopædic Registrars.

Pathology, v. Bacteriol. and Parasitol., *supra*

Pathology, Clinical
Stein, H. B., M.Sc., M D., B Ch., D.P.H. Actg. Hd.
Ellis, B. C., M.B., B.Ch. Lectr.
Barkhan, P., B.Sc , M.B., B.Ch. Lectr.

Pathology, Surgical
Colsen, K., M.D. Berl., M.B., B.Ch. Lectr.

Pharmacology and Therapeutics
Watt, J. M., M.B., Ch.B. Edin. Prof.
Stephen-Lewis, Florence V., M.Sc., M.D. Manc. Sr. Lectr.
de Boer, J., M.D. Utrecht. Temp. Sr. Lectr.
Frost, C., M.B , B.Ch. Pt.-time Lectr.

Physiotherapy
Lecturers
Haden, H., M.B., B.Ch., Dip. Phys. Med. Hd. of Sub-Dept.
Blair, Jean. Sr. Lectr.
Wilson, Gwendoline.
Baines, Hazel.

Teaching in this dept. is also contributed to by staffs of Depts. of Phys., Chem., Zool., Anat., Physiol., Surg., and Gynæcol. and Obstet.

Preventive Medicine

Cluver, E. H., M.A., M.D., B.Ch. Oxon., D P.H. Lond., F.R.San.I. Prof.

Pietersen, Johanna V., M.B., Ch.B. Edin., D.P.H. Sr. Lectr.

Lecturers

Scott-Millar, J. W., M.B., Ch.B., D P.H. Cape T., D.T.M. & H. (Urban Health Admin.).

Booker, C. G., M.B., Ch.B. Edin., M.D., D.T.M., D.T.H. Liv., D.P.H. (Health Legislation).

Ordman, D., B.A., M.B., Ch.B. Cape T., D.P.H. (Immunol.).

Mills, K. F. T., M.B., B.Chir. Camb., D.P.H. (Nursing and Hospl. Admin.).

Fox, F. W., D.Sc. Lond. (Nutrition).

Psychiatry and Mental Hygiene

Gillman, J., D.Sc., M.B., B.Ch. Actg. Hd.

Hurst, L. A., B.A., B.Sc., M.B., B.Ch., Ph.D. Cape T., M.D. Pret. Sr. Lectr. & Clin. Lectr.

Sr. Clin. Lectrs.

Geerling, R., Arts Holland, M.D. Amst.

Katz, S. M., M.D., B.Ch. Liv.

Gluckman, R. P., B.A. Cape T.

Pienaar, B. P., M.B., B.Ch. Dub. Clin. Lectr.

Wolpe, J., M.D., B.Ch. Lectr.

Minde, M., M.B., Ch.B. Aberd. Clin. Demr.

Chesler, B., M.B., B.Ch., D.P.M. Clin. Demr.

Morgan, P., M.B., B.Ch. Clin. Demr.

du Toit, F., M.B., B.Ch.

Klass, M., B.Sc.

Paterson, M., M.B., B.Ch.

van Hoepen, H. E., Arts Holland, M.D. Pret.

Radiology

Kaye, J., D.M.R. Cape T. Chief Radiologist.

Sr. Radiologists

Jackson, H., D.M.R. Cape T.

Findlay, M., D.R. Edin.

Komins, C., M.B., B.Ch., D.M.R. Cape T.

Sr. Radiotherapist

Shapiro, M. P., D.M.R. Lond., F.R.C.S.Ed.

Radiologists

Davenport, Margaret E., M.B., B.Ch., D.M.R. Cape T.

Gunn, K. V. O., M.B., B.Ch., D.M.R. Cape T.

Meyer, M. J., M.B., B.Ch., D.M.R. Lond.

Sariff, S. J., M.B., Ch.B. Cape T.

Strasburg, I., M.B., B Ch. Dub., D.M.R. Cape T.

Zinober, M., D.M.R. Cape T.

Asst. Radiologist

Cohen, L., M.B., B.Ch.

Surgery

Underwood, W. E., O.B.E., M.A., M.B., B.Chir. Camb., F.R.C.S. Prof. and Chief Surgeon.

Theron, P., M.B., Ch.M. Aberd., F.R.C.S.Ed. Sr. Professional Asst.

Sr. Surgeons (Pt.-time)

Douglas, J. A., M.B., Ch.B. Edin., F.R.C.S.Ed.

McGregor, A. L., M.B., Ch.M. Edin., F.R.C.S.

Tucker, M. K., M.B., Ch.B. Cape T., F.R.C.S.Ed.

Surgeon (Tutorial)

Frylinck, J. R., M.B., Ch.M. Cape T., F.R.C.S. Eng. and Ed.

Surgeons
Brawn, E. S., F.R.C.S.Ed.
Lewin, B., M.B., Ch.B. Cape T., F.R.C.S.
Kay, S., M.B., Ch.B. Cape T.
Keen, P., M.D. Lausanne.
Kleinot, S., M.B., Ch.B. St. And., F.R.C.S.Ed.
Skapinker, S., M.B., B.Ch., F.R.C.S.Ed.

Asst. Surgeon (Tutorial)
Allen, J. C., M.B., Ch.M.
Leonsins, A. J., M.B., B.Ch., F.R.C.S.Ed.

Asst. Surgeons (Pt.-time)
Dreosti, A. E., M.B., Ch.B. Cape T., F.R.C.S.
Trubshaw, W. H. D., F.R.C.S.
Wolfowitz, J., M.B., B.Ch., F.R.C.S.Ed.

Asst. Surgeons
Marchand, P. E, M.B., Ch.M., F.R.C.S.
Stein, L., B.Sc., M.B., B.Ch., F.R.C.S.
Tanne, D., M.B., B.Ch.

First Surgical Assts. (Pt.-time)
Fleming, R. J., M.B., B.Ch., F.R.C.S.Ed.
Trehair, E. B., M.B., B.Ch., F.R.C.S.
3 Second Surgical Assts. (Pt.-time).

Surgical Registrars (Tutorial)
Knocker, P. H. L., M.B., B Ch., F.R.C.S.Ed.
Hansen, D. R., M.B., B.Ch. Cape T.
10 Surgical Registrars.

Asst. Surgical Officer
Wilkinson, A. E., M.B., B.Ch.

Thoracic Surgery
Fatti, L., M.B., B.S. Lond., F.R.C.S.
Sr. Thoracic Surgeon (Pt.-time).
Adler, D. I., M.B., Ch.B. Cape T., F.R.C.S.Ed.
Asst. Thoracic Surgeon (Pt.-time).

Tropical Medicine
Gear, J. H. S., B.Sc., M.B., B.Ch., D.P.H., D.T.M. & H., Dipl. Bact. Lond. Sr. Lectr.

Urology
Brayshaw, H. C., M.B., Ch.B. Edin., F.R.C.S. Eng. and Ed.
Chief Urologist (Pt.-time).
Kisner, C. D., M.B., B.Ch.
Urologist.
Hoffman, S. J., M.B., B.Ch., F.R.C.S.Ed.
Asst. Urologist (Pt.-time).
Widrich, E., M.D. Vienna
First Urological Asst. (Pt.-time).
Second Urological Assts. (Pt.-time)
Lipworth, E., M.B., B.Ch., F.R.C S. Ed.
Rogoff, I. V., M.B., Ch.B. Cape T., F.R.C.S.Ed.

Vascular Diseases
Second Medical Assts. (Pt.-time)
Greenstein, J., M.D. Edin.
Kaplan, I., M.B., Ch.B. Edin.

Venereal Diseases
Sieff, B., M.B., B.Ch.
Sr. Clin. Lectr. (Pt.-time).

Asst. Clin. Lectrs. (Pt.-time)
Frootko, J. J. H., M.D. Berl.
Robins, A.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar: E. H. Huddle, B.Com. Asst. Accountants: F. H. Burnett, H. E. Smith. Maintenance Architect: R. K. L. Moore, B.Arch. Public Relations Officer: K. Andrew.

LIBRARY. Deputy Librarian: I. Isaacson, B.A., F.S.A.L.A.; Asst. Librarians: Mavis E. G. Anderson, B.A. Brist., Lond. Sch. of Lib. Dip., F.L.A., in charge of Cataloguing and Classification; Agnes C. Dick, B.Sc. S.A., F.S.A.L.A., in charge of Med. Library.

GENERAL INFORMATION

The University of the Witwatersrand, Johannesburg, has developed out of the South African School of Mines, which was established at Kimberley in 1896 and was transferred to Johannesburg in 1904, taking then the name of Transvaal Technical Institute and becoming later the Transvaal University College (1906), the South African School of Mines and Technology (1910), and the University College, Johannesburg (1920). In 1921 University College, Johannesburg, was reincorporated as the University of the Witwatersrand, Johannesburg, with effect from March 1, 1922. This development was made possible partly by support from the public, including contributions by the Chamber of Mines (£50,000), Standard Bank of S.A., Nat. Bank of S.A., Central Mining and Investment Corporation, and De Beers Consolidated Mines, Ltd. (£10,000 each), Sir Otto Beit (£8000), and many others, amounting in all, up to the end of 1922, to over £220,000. The Municipality provided a fine site (100 acres) at Milner Park, a mile from the centre of the town. Expenditure on buildings totals £1,694,750. LIBRARIES: Central (nearly 250,000 vols.; receives 3000 current periodicals) and several departmental. MUSEUMS: several departmental. MEDICAL SCHOOL: Hospital Street, Hillbrow. (*Telephone*: 44-1492.)

LANGUAGE OF INSTRUCTION. English.

ASSOCIATED INSTITUTIONS. There are several hospitals as well as the South African Institute for Medical Research in which students of Med. carry out a part of their curriculum.

FACULTIES AND DEANS. *Architecture*, Prof. J. Fassler; *Arts*, Prof. A. J. Coetzee; *Commerce*, Prof. C. S. Richards; *Dentistry*, Prof. J. C. M. Shaw; *Engineering*, Prof. L. Taverner; *Law*, Prof. H. R. Hahlo; *Medicine*, Prof. W. E. Underwood; *Science*, Prof. I. D. MacCrone.

ADMISSION. *See* Appendix I.

DEGREES. B.A., B.Sc. or B.Mus., 3 yrs., Hons. 4 yrs.; B.A. in Logopedics, B.A. in Fine Arts or B.A. in Social Studies, 4 yrs.; M.A. or M.Sc., 1 yr. after Hons. and Thesis; M.Ed., Thesis; B.Com., 3 yrs.; B.Com. Hons., 4 yrs.; M.Com., Examn. and Thesis; B.Sc. (Eng.), 4 yrs.; M.Sc. (Eng.), Thesis; B.Sc. Q.S., 5 yrs.; B.Arch., 5 yrs.; M.Arch., Thesis; LL.B., 3 yrs. (postgrad.); LL.M. Thesis; B.Sc. Physiotherapy, 4 yrs.; M.B., B.Ch., 6 yrs.; B.D.S., 5 yrs.; Ph.D., Thesis (4 yrs.*); M.D., D.D.S., Thesis and, if required, examn. (3 yrs.*); Ch.M., Thesis and examn. (3 yrs.*); D.Sc. (Econ.), D.Arch., Thesis and, if required, examn. (6 yrs.*); LL.D., Thesis and, if required, examn. (7 yrs.*); D.Litt., D.Sc., D.Sc. (Eng.), original published work (6 yrs.*).

DIPLOMAS. Native Affairs, 2 yrs. pt.-time; Clin. Pathol., 1 yr.; Anæsth., 2 yrs.; Forensic Med., 1 yr.; Pub. Health, 1 yr.; Trop. Med. & Hyg., 6 mos.; Psychol. Med., 2 yrs.; Ophth. Med. & Surg., 1 yr.; Phys. Med., 1 yr.; Nursing, 1 yr.; Midwifery, 1 yr.; Soc. Nursing, 1 yr.; Nursing Admin., 1 yr.; Occupational Therap., 3½ yrs.; Child Health, 1 yr.; Med. Radiol., 3 yrs.; Radiol. Diag., 3 yrs.; Radiotherap., 3 yrs.; Actuarial Maths., 3 yrs. (in abeyance); Econ. of Local Govt. & Admin., 2 yrs. pt.-time; Certif. in

* After first degree.

Theory of Accty., 4 yrs. pt.-time ; Archit., 5 yrs. ; Quantity Surveying, 4 yrs. ; Town Planning, 3 yrs. pt.-time.

COURSES for Teachers' Certificates ; Law Certif. ; Civil Service Law Examn. ; Land Surveying.

FEES. B.A., £225 ; B.Mus., £300 ; B.A. Soc. Studies, B.A. Logopedics, B.A. Fine Arts, £380 ; B.A. Hons., £50 for first yr. and £10 for every yr. or portion of yr. thereafter ; B.Sc. Hons., £50 for first yr. and £10 for every yr. or portion of yr. thereafter ; B.Sc., £315 ; M.B., B.Ch., £660 ; B.Sc. Physiotherapy, £380 ; Dip. Occ. Therap., £224 ; B.Sc. (Eng.), £420 ; B.Com., £225 ; Cert. in Theory of Accty., £30 p.a. ; LL.B., £205 ; B.Arch., £450 ; Dip. Arch., £380 ; B.Sc. (Q.S.), £390 ; Dip. Q.S., £290 ; B.D.S., £550.

SCHOLARSHIPS FOR GRADUATES. Adolph Wagner (Engin.), £170 tenable in S. Africa or overseas ; University Council, 2 of £375 for 2 yrs. ; Witwatersrand Council of Education, 2 of £375 for 2 yrs. and 1 of £250 p.a. for 1 yr. ; Ainsworth (Modern Hist.), minimum £250 p.a. for 2 yrs. plus £50 for books, awarded every 3rd yr. ; The Anne Cleaver Memorial Fund for Medical Research work ; H. B. Webb, £300 for 2 yrs. ; Union Government, 2 of £300 p.a. for 2 yrs. ; The Mellor, £300 p.a. for 1 yr. or more (Research in Biochem. or in Biophysics) ; Het Studiefonds voor Zuid-Afrikaansche Studenten, 2 of £150 p.a. ; The Automobile Association of South Africa, £250 p.a. ; Sir Herbert Baker, £300 ; Rhodes, £500 p.a. ; Elsie Ballot, £400 p.a. ; Royal Commission for the Exhibition of 1851, £350 p.a. for 2 yrs. ; Cecil John Adams Memorial Trust for Research Scholarships for Medical Graduates (endowment of £25,000) ; Red Cross Caledonian Market postgraduate scholarship for African (Bantu) graduates in Medicine (endowment of £5000). African Explosives and Chemical Industries Ltd., £200 p.a. for 2 yrs. ; Chamber of Mines, £500 for 1 yr. ; Victor Kark, for research in Anat. (endowment of £1000) ; James McBride Grant, for res. in Commerce and Appl. Econ. (endowment of £5000) ; Melanie Pollak, for research or advanced study in Music, £240 p.a. for 1 yr. or more ; Rusterholz (Rotary Club of Johannesburg), £50 for 1 yr. ; Brush Travelling, in Engin., £260 p.a. for 2 yrs. ; G. A. Denny, in Social Relations, £250 p.a. for 2 yrs. ; F.B.I., in Engin., £650 for 2 yrs. ; Toni Saphra, for women, £250 p.a. for 1 yr. or more ; William Smith Thomas Memorial in Engin. (endowment of £2000).

RESIDENCE. College House and Dalrymple House, Milner Park ; 150 men students ; fee : £150 p.a. University Residence, Cottesloe, Auckland Park ; 350 men students ; fee : £140 p.a. Isabel Dalrymple House, Milner Park ; 120 women students ; fee : £150 p.a. Douglas Smit House, Milner Park ; 30 African med. students ; fee : £74 p.a.

UNIVERSITY EXTENSION. Public lectures under auspices of Univ. depts., students' societies and Students' Visiting Lectrs. Trust Fund. Pt.-time curricula for B.Com. (4 yrs.) and LL.B. (3 yrs. after 1st degree).

PUBLICATIONS. *Calendar* (annual), 5s. ; *Gazette* (twice a term), free ; *African Studies* (quarterly), 17s. 6d. p.a. ; *S.A. Journal of Medical Sciences* quarterly), 21s. p.a. ; *Palæontologie Africana* (Annals of the Palæontological Res. Inst.

THE YEAR 1953

PRINCIPAL BENEFACTIONS. £40,288 (£16,566 for general purposes and £23,722 for various specific purposes). S.A. Council, £10,855, in Res. grants to staff members for Sci. and Industr. Res.

NEW BUILDINGS. Work commenced on extension of Geophys. Res. Inst. Accomm. provided for a Chem. Engin. Lab.

NEW DEPARTMENTS AND POSTS. Jt. C.S.I.R.-Univ. Dental Res. Unit estabId., its Dir. being Prof. of Experimental Odontol. Vice-Principalship estabd.

CHANGES IN REGULATIONS. Regulns. for Bachelor's degrees in Arts, Sci., Med., Engin. and Law amended, also for dipls. in Arts, Med., Dent. and Archit. Regulns. for Higher Dipl. in Dent., and for Hons. course in Race Relations approved. Statute I of the Univ. amended.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Sir Ivor Jennings, Ceylon ; Dr. G. Cox, N. Carolina ; Dr. N. Timbergen, Oxford ; Prof. I. Aird, Postgrad. Med. Sch., Lond.

RETIREMENTS. Prof. C. M. Doke (Bantu Studies), P. Freer (Librarian).

RESIGNATION. Prof. E. M. Burchell (Law), apptd. to Natal Univ.

HONORARY DEGREES. *LL.D.*—Dr. L. C. Abrahams, Pres. of Dental Assocn. of S.A. ; Dr. G. Friel, doyen of dental profession in S.A. ; Sir E. G. Guest, Rhodesian statesman ; Sir Godfrey Huggins, Prime Minister of S. Rhodesia ; Sir D. Malcolm, Pres. of Brit. S.A. Company ; Sir E. Oppenheimer, industrialist and philanthropist ; Sir R. Tredgold, Chief Justice of S. Rhodesia. *D.Sc.*—Rev. T. N. Jones, archaeologist ; Dr. C. F. L. Nord, orthodontist.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	3357	95
Women	783	37
Total	4140	132

Postgraduate students, 416.

New admissions, 1389.

Students from other countries, 107. (Countries from which largest numbers came : Rhodesia, 75 ; Mozambique, 13 ; E. Africa, 8.)

DEGREES AWARDED. *Arts* : D.Litt., 1 ; Ph.D., 4 ; M.A., 9 ; B.A. Hons., 10 ; B.A., 110 ; B.A. Logopedics, 4 ; B.A. Soc. Studies, 9 ; B.Mus., 5 ; B.A. Fine Arts, 3 ; *Sci.* : D.Sc., 2 ; Ph.D., 8 ; M.Sc., 8 ; B.Sc. Hons., 19 ; B.Sc., 50 ; *Med.* : M.D., 6 ; Ch.M., 4 ; M.B., B.Ch., 109 ; B.Sc. Physiotherapy, 18 ; *Eng.* : D.Sc. (Eng.), 1 ; Ph.D., 4 ; M.Sc. (Eng.), 2 ; B.Sc. (Eng.), 96 ; *Comm.* : M.Com., 1 ; B.Com., 44 ; *Law* : LL.B., 19 ; *Dent.* : M.D.S., 1 ; B.D.S., 36 ; *Archit.* : B.Arch., 25 ; B.Sc. (Quantity Surveying), 2. *Total number of first degrees awarded*, 510.

DIPLOMAS AND CERTIFICATES AWARDED. *Postgraduate* : Med., 1 ; Psychol. Med., 1 ; Public Health, 4 ; Surg., 3 ; Town Planning, 2 ; *Other* : Archit., 6 ; Nursing, 19 ; Occupational Therapy, 9 ; Quantity Surveying, 9 ; Theory of Accountancy, 46.

INDIA

AGRA UNIVERSITY (p. 1221)
ALIGARH MUSLIM UNIVERSITY (p. 1233)
UNIVERSITY OF ALLAHABAD (p. 1240)
ANDHRA UNIVERSITY (p. 1245)
ANNAMALAI UNIVERSITY (p. 1252)
BANARAS HINDU UNIVERSITY (p. 1258)
BARODA UNIVERSITY (p. 1264)
BIHAR UNIVERSITY (p. 1274)
UNIVERSITY OF BOMBAY (p. 1279)
UNIVERSITY OF CALCUTTA (p. 1290)
UNIVERSITY OF DELHI (p. 1302)
UNIVERSITY OF GAUHATI (p. 1316)
GUJARAT UNIVERSITY (p. 1321)
UNIVERSITY OF JAMMU AND KASHMIR (p. 1328)
KARNATAK UNIVERSITY (p. 1331)
UNIVERSITY OF LUCKNOW (p. 1336)
UNIVERSITY OF MADRAS (p. 1348)
UNIVERSITY OF MYSORE (p. 1360)
NAGPUR UNIVERSITY (p. 1368)
OSMANIA UNIVERSITY (p. 1381)
PANJAB (INDIA) UNIVERSITY (p. 1392)
PATNA UNIVERSITY (p. 1401)
UNIVERSITY OF POONA (p. 1405)
UNIVERSITY OF RAJPUTANA (p. 1411)
UNIVERSITY OF ROORKEE (p. 1417)
UNIVERSITY OF SAUGAR (p. 1421)
UNIVERSITY OF TRAVANCORE (p. 1427)
UTKAL UNIVERSITY (p. 1434)
VISVA-BHARATI (p. 1439)
INDIAN INSTITUTE OF SCIENCE (p. 1445)

[*Revised August* 1954.]

THE UNIVERSITIES OF INDIA

[Originally contributed in 1952 by Samuel Mathai, M.A. Oxon., then Secretary of the Inter-University Board of India; revised in 1954 by Professor V. K. Ayappan Pillai, M.A. Madr., B.A. Oxon., the present Secretary of the Board.]

THE Universities of India are not descended from ancient seats of learning like Nalanda and Taxila, but are a result of the "British connexion." The unsettled conditions of the country in the 18th century had brought education to a low ebb; and when the East India Company became rulers of the country they were confronted with the task not only of restoring political order but also of setting up an educational system suited to the needs of the day. When the problem of education was taken up by the Company there were two schools of thought: one held that the education of India must consist in the main of Oriental classics and Eastern learning; the other argued that the best thing for Indians was to learn the English language and acquire a knowledge of Western literature and science. The "Anglicists" triumphed over the "Orientalists": the Company decided to set apart money for "English" education in India. Meanwhile English schools and colleges had already been established in the "Presidency towns" of Calcutta, Bombay and Madras at the beginning of the 19th century by British missionaries and others, and leading Indians had expressed themselves in favour of English education.

The first proposal for founding a University in India was made by the Council of Education in Bengal in 1845, but was not accepted by the Board of Directors of the East India Company, who thought it somewhat premature. But during the parliamentary enquiry into the condition of India which preceded the renewal of the Company's charter in 1853 the need to create a properly articulated system of education from the Primary School to the University stage was recognized. As a result of this, and in pursuance of the recommendation of Sir Charles Wood in his famous dispatch of 1854 to the Court of Directors, the foundations of University education were laid in the country by the establishment of the Universities of Calcutta, Bombay and Madras in 1857. The model for these Universities was London University, which was then a new institution. London at that time was a purely examining body, admitting to its tests only students trained in affiliated institutions. As the Calcutta University Commission of 1917–19 pointed out, this system of affiliation of collegiate institutions by a University which confined itself to examining the candidates sent up by these institutions "had the advantage of costing very little. It enabled all the existing collegiate institutions, whether Government or missionary, to be worked into the same scheme, and promised to provide a quite impartial mode of testing the qualifications of

students for Government service. Above all, it gave freedom to the non-Government Colleges—all, at that date, mission colleges—to carry on their work in their own way, and offered them help from public funds for the secular side of their work."

For twenty-five years the three Universities of Calcutta, Bombay and Madras were found adequate to the tasks entrusted to them. But during this time, with the establishment of new colleges in various towns, the territorial jurisdiction of these Universities increased greatly. The jurisdiction of the University of Calcutta extended at one stage from the Panjab to Burma, covering the whole of North India. The creation of the Universities of the Panjab (now in Pakistan) and of Allahabad in 1882 and 1887 relieved Calcutta University of some of its responsibilities.

For nearly thirty years more no addition was made to the number of Universities in India. But important reforms in the constitution and functions of the existing Universities were recommended by the Act of 1904, which was based on the report of a Universities Commission appointed by Lord Curzon, then Governor-General of India. This Act empowered the Universities to appoint professors and lecturers of their own, to set up museums, libraries, and laboratories, and to undertake teaching. As a result of this Act some of the Universities set up University colleges and made arrangements for postgraduate teaching at the University—although by far the greater part of the teaching continued to be done by the affiliated colleges.

In 1913 the Government of India issued a Resolution drawing attention both to the need for more Universities and for a better type of University education. " At present," the Resolution observed, " there are only five Indian Universities for 185 arts and professional colleges in British India besides several institutions in Native States. The day is probably far distant when India will be able to dispense altogether with the affiliating Universities. But it is necessary to restrict the area over which affiliating Universities have control, by securing, in the first instance, a separate University for each of the leading provinces in India, and, secondly, to create new local teaching and residential Universities within each of the provinces in harmony with the best modern opinion as to the right road to educational efficiency."

This Resolution led to the birth of a number of new Universities in the first quarter of the 20th century. Yet another influence on University educational policy in India was the Report of the Calcutta University Commission under the chairmanship of Sir Michael Sadler, which deliberated from 1917 to 1919. In addition to supporting the move towards unitary, residential, teaching Universities, the Commission recommended that Universities should be relieved of their Intermediate work * so that they might concentrate on real undergraduate and postgraduate work. Although Calcutta University itself did not put into effect most of the recommendations of the Sadler Commission, those recommendations greatly influenced the growth of University education in other parts of India. Not only have a number of unitary Universities been established, but new affiliating Universities

* *See* COURSES, p. 1216.

have been created to relieve older Universities of part of their territorial jurisdiction or to enable them to become unitary Universities.

In 1948, the Government of India appointed a University Education Commission, with Sir S. Radhakrishnan as Chairman, " to report on Indian University Education and suggest improvements and extensions that may be desirable to suit present and future requirements of the country." The Commission's report was published in 1949.

There are to-day 32 Universities in India. They are, in the order of their foundation: Calcutta, 1857; Bombay, 1857; Madras, 1857; Allahabad, 1887; Banaras, 1916; Mysore, 1916; Patna, 1917; Osmania, 1919; Aligarh, 1920; Lucknow, 1921; Delhi, 1922; Nagpur, 1923; Andhra, 1926; Agra, 1927; Annamalai, 1929; Tranvancore, 1937; Utkal, 1943; Saugar, 1946; Rajputana, 1947; Panjab, 1947; Gauhati, 1948; Poona, 1948; Jammu and Kashmir, 1948; Madhya-bharat, Indore, 1948; Maharaja Sayajirao University of Baroda, 1949; Roorkee, 1949; Shrimati Nathibai Damodar Thackersey Women's University, 1949; Karnatak, 1950; Gujarat, 1950; Visva-Bharati, 1951; Bihar, 1952; Sri Venkateswara University, Thirupathi (Andhra State), 1954.

Of these, Allahabad, Banaras, Aligarh, Lucknow, Annamalai, Roorkee, and Visva-Bharati are unitary Universities. The creation of Bihar University with its headquarters at Patna has relieved Patna University of its affiliating functions; Patna University is now confined to the city of Patna, but it is not strictly a unitary University as the teaching is carried on in a number of autonomous colleges in the city. Similarly, the University of Delhi was until recently a semi-unitary University, made up of constituent colleges, but the latest amendments of the Delhi University Act have given it certain affiliating functions. Both Patna and Delhi are, however, in the technical sense, " teaching Universities."

Of the others, all except Agra University have important teaching functions, although they are in the main affiliating Universities. Agra has some fifty colleges scattered over the States of Uttar Pradesh and Madhya Bharat under its jurisdiction. It was created to enable Allahabad to become a unitary University. The Universities of Jammu and Kashmir and Panjab (India) are the result of the partition of the Indian sub-continent into India and Pakistan. The colleges in these two territories were formerly affiliated to the University of the Panjab (Lahore), and it became necessary after the partition to create new Universities to which they could be attached.

Roorkee and Visva-Bharati are unique institutions in India. Roorkee is an Engineering University. It grew out of the Thomason Engineering College and at present has only a Faculty of Engineering. Visva-Bharati, which was given a charter by the Government of India in 1951, was founded as an international cultural centre by the poet Rabindranath Tagore in 1921. It has certain distinctive characteristics of its own and is an attempt " to develop a basis on which the cultures of the East and West may meet in common fellowship."

In addition to the Universities mentioned above, mention must also be made of another institution which has University standing.

Serampore College (near Calcutta), founded in 1818 by European missionaries, received in 1827 a Royal Charter from King Frederick VI of Denmark (to which Serampore then belonged) and this was confirmed by the British Government in 1845. But this Charter was not utilized till 1915 when degrees in Divinity were granted by the University for the first time. The position now is that in the Faculties of Arts and Science Serampore College is affiliated to Calcutta University, but in the Faculty of Theology the College functions as an independent University.

Although the growth in the number of Universities is, to a very great extent, the result of splitting up the older Universities, it does imply an increase in the number of persons receiving a University education. The growth of the University population in India has raised several problems. While on the one hand this growth is an expression of a commendable desire to participate in higher learning, it is also, to some extent, the result of the absence of adequate opportunities of employment in industry and business for boys and girls leaving school. The presence in the Universities of a number of students who cannot benefit by a University education tends to affect academic standards. Also the somewhat rapid spread of University education raises problems of staff, library and laboratory equipment, suitable buildings for teaching and for residence. The problem of the medium of instruction is an added difficulty to the situation. Experiments in using an Indian language as the medium of instruction at the University stage are being tried by two or three Universities. Elsewhere English is still the medium. But the standard of English has been affected adversely in recent years by several factors, not the least of which is a psychological one.

University authorities are, of course, conscious of these problems and difficulties, and efforts are being made to deal with them. A great step forward was taken in 1953 when the Government of India, on the recommendation of the Inter-University Board of India, set up the University Grants Commission on the model of the University Grants Committee in Britain. The Chairman of the Commission is Dr. S. S. Bhatnagar and its Secretary is Mr. S. Mathai.

Constitution. There are variations in the constitutional framework of the different Universities, the functions of the various " authorities " being somewhat different in each case. But the general pattern is the same. The authorities of Universities are the Executive Council (called the Syndicate in some Universities), the Court or Senate, the Academic Council and the Faculties. The Executive Council (or Syndicate) and the Court (or Senate) have the responsibility of framing Statutes and Regulations and dealing with all matters connected with the organization and administration of the affairs of the University. They are composed of persons representing various interests in the life of the University and the community in which the University exists. Most of the members of these bodies are elected by different constituencies, but a few are nominated by the Chancellor.

The Academic Council deals with academic questions generally, and

is chiefly concerned with courses of study and the organization of teaching and examinations. It co-ordinates the work of the various Faculties of the University. The usual Faculties are those of Arts, Science, Medicine, Law, etc. The head of a Faculty is called the Dean (in some Universities the President) and is usually a Professor of the University. It is the Dean's business to attend to the framing and working of the various courses of study in his Faculty. A Faculty usually has several Boards of Study to help it to frame syllabuses in different subjects, to appoint examiners, etc. Faculties which are concerned exclusively with subjects of postgraduate study, such as education and law, tend to become somewhat like autonomous colleges; but Faculties of Arts, Science, etc., have to co-ordinate the work of undergraduate and postgraduate classes, and, in the affiliating Universities, have to deal with a large number of institutions. These Faculties consist of a number of Departments (*e.g.* English, Sanskrit, History, etc.) and each Department has its own Head or Chairman or Director, who is responsible to the Dean.

AFFILIATION OF COLLEGES. Applications for affiliation are generally submitted to the Syndicate, which must be satisfied as to the managing agency, teaching staff, provision for residence of students, equipment, financial resources, suitability of fees, etc. If granted, the course or courses in respect of which the College is affiliated are specified. Affiliated Colleges must comply with requests by the Syndicate for information, submit themselves to inspection under the Syndicate's orders, and take such action as may be ordered consequent upon such inspections. In Calcutta University affiliation questions are dealt with by the Senate. The powers of affiliation by the University can, in some Universities, only be exercised subject to the approval of Government.

TERMS. University examinations are, with few exceptions, held between March and June. Admissions are made as a rule in June or July, though in some cases regular work does not commence till Sept. or Oct. Some Universities have two terms in the year and the others have three.

ADMISSION TO THE UNIVERSITIES. The examination qualifying for admission to a University in India is the School Leaving or Matriculation Examination taken at the end of the high school course. In some parts of the country the Matriculation Examination is conducted by the University. Elsewhere it is conducted by the Government or by a High School Board. Overseas certificates like the University of Cambridge Local Examinations Syndicate's Higher School Certificate and the General Certificates of Education awarded by United Kingdom examining bodies, are also accepted as entrance qualifications. In Uttar Pradesh, there is a Board of Intermediate Studies which provides a 2-year course after the School Leaving Examination and holds the Intermediate Examination which is the entrance qualification to the Universities of Allahabad, Lucknow and Agra. In Delhi there is a Higher Secondary course which is a year longer in duration than the typical High School course in the rest of India, and the passing of the Higher Secondary Examination (conducted by a Board of Higher

Secondary Education) entitles a student to admission to the 3-year course of the Delhi University. Students who have passed the Matriculation or School Leaving Examination have to put in a year's Preparatory work at the University and to pass a Qualifying Examination which is equivalent to the Higher Secondary Examination.

COURSES. The ordinary University course (other than certain professional courses) is of 4 years' duration after Matriculation. At the end of the first 2 years there is the Intermediate Examination.* Students may choose one of a number of groups of subjects and the Intermediate Examination may be one in, for example, Arts or Science or Agriculture or Commerce. The successful candidate then commences the B.A., B.Com., B.Sc. or other Bachelor degree course. The degree course is usually of 2 years' duration. At the end of the 2 years a student appears for the degree examination (B.A., B.Com., B.Sc., etc.). The successful candidate obtains a Pass or Honours degree according to courses taken or marks obtained. In some Universities, however, there are, in addition to the 2-year Pass courses, separate Honours courses which are of 3 years' duration after the Intermediate.

After the Bachelor's degree, there is the Master's degree, which is awarded after a further period of 1 or 2 years of study and a further examination. In the Universities of Annamalai, Andhra, Madras and Travancore, however, Honours graduates in Arts and Science, who obtain their Honours degree after 3 years' study subsequent to the Intermediate examination, are awarded the Master's degree without further examination after the lapse of a certain period of time Therefore, in these Universities the M.A. or M Sc. degree examination is identical with the B.A. or B.Sc. Honours examination.

Most of the Universities have, in addition to courses in Arts and Science, also professional and technical courses in Agriculture, Commerce, Education, Engineering and Technology, Law, Medicine (including Nursing, Pharmacy, Veterinary Science, etc.), Indian Music, Oriental Languages, etc. The usual degrees are Bachelor of Science in Agriculture (B.Sc.Ag. or B.Ag.), Bachelor of Commerce, Master of Commerce (B.Com. and M.Com.), Bachelor of Teaching (B.T.) and Master of Education (M.Ed.), Bachelor of Engineering or Bachelor of Science in Engineering (B.E. or B.Sc.Engg.), Bachelor of Science in Technology (B.Sc.Tech.), Master of Science in Technology (M.Sc.Tech.), Bachelor of Laws and Master of Laws (B.L. or LL.B. and M.L. or LL.M.), Bachelor of Medicine and Surgery (M.B., B.S.), Master of Surgery (M.S.), Doctor of Medicine (M.D.), Bachelor of Science in Nursing (B.Sc. Nursing), Bachelor of Pharmacy (B.Pharm.), Bachelor of Veterinary Science (B.V.Sc.), Bachelor of Oriental Languages, Master

* As a result of a recommendation of the Secondary Education Commission, appointed in 1952 by the Government of India, with Sir A. L. Mudaliar as Chairman, the Intermediate examination is to be abolished and the course of studies leading to an Ordinary degree is to be of 3 years' duration. On passing the Secondary School Leaving Certificate examination students will have to spend 1 year in a pre-University course of study and thus qualify themselves for entrance to the University.

of Oriental Languages (B.O.L., M.O.L.). There are, in addition, several " Titles " in Oriental Languages given by different Universities. These titles, which are usually Sanskrit or Arabic or Persian, signify various degrees of achievement in the Oriental Language studied. The literal meaning of some of the titles would be " the proficient one," " the learned one," " the skilled one," " the expert," " the great teacher," etc. The standard of scholarship required for the titles is usually quite high, but nomenclatures are used in different Universities with different significance. The names of degrees at Visva-Bharati are different from those at the other Universities.

Agriculture. B.Sc.(Ag.) is a 2-year course after the Intermediate at Agra, Allahabad, Baroda, Calcutta, Gauhati, Gujarat, Karnatak, Nagpur, Osmania, Patna, Poona ; and the Universities of Andhra, Banaras, Bombay, Delhi, Madras and Mysore have a 3-year course after the Intermediate. At the Panjab and Rajputana Universities the degree is called B.Ag. and is of 2 years' duration after the Intermediate.

Commerce. With the exception of Annamalai, Jammu and Kashmir, Roorkee, Travancore and Visva-Bharati, all the Universities have a Commerce degree course which is usually of 2 years' duration after the Intermediate. At Agra, Delhi and Panjab Universities it is a 3-year course. At Rajputana it is a 2-year course for those who pass the Intermediate Commerce Examination and 3-year course for others. Madras has a B.Com. Honours course which is of 3 years' duration. The M.Com. course is of 2 years' duration after the B.Com.

Education. Except Andhra, Roorkee and Utkal, all the Universities have courses in Education. The B.T. or B.Ed. is a postgraduate course of 1 year's duration. There are also in several Universities diploma courses in Education which are of 1 year's duration.

Engineering. The B.Sc.Engg. or B.E. course is a post-Intermediate course. At the Universities of Aligarh, Andhra, Annamalai, Calcutta, Madras, Osmania, Panjab, Rajputana, Saugar and Travancore, it is a 4-year course. At Agra, Banaras, Mysore, Patna, it is a 5-year course. At Roorkee it is a 3-year course and at Baroda, Bombay, Gujarat and Poona it is a $3\frac{1}{2}$-year course.

Law. With the exception of Andhra, Jammu and Kashmir, Roorkee and Visva-Bharati, all the Universities have courses in Law. The B.L. or LL.B. is a postgraduate course of 2 years' duration at all the Universities except at Bombay, where it is a 2-year course after the Intermediate. At Andhra a post-Intermediate course of 3 years is available in addition to a postgraduate course of 2 years. The LL.M. or M.L. degree can be taken 2 years after the B.L. or LL.B. degree.

Medicine. The M.B., B.S. course is of 5 years' duration after the Intermediate at the Universities of Agra, Bombay, Delhi, Gujarat, Lucknow, Madras, Nagpur, Osmania, Panjab, Rajputana, Travancore and Utkal. At Andhra, Calcutta, Gauhati and Mysore, it is of $5\frac{1}{2}$ or 6 years' duration. Aligarh has a course in Unani Tib * (B.U.T.) which is of 5 years' duration. Banaras has a course in the Ayurvedic system of

* Traditional system of Medicine usually practised by Muslim physicians ; distinct from *Ayurveda*, the traditional Hindu system of Medicine.

Medicine, which is of 6 years' duration. The degree given is *Ayurveda-charya.*

Degrees in Veterinary Science, which are usually of 4 years' duration after the Intermediate, are given by the Universities of Agra, Bihar, Bombay, Madras and Saugar. Degrees in Nursing are given by the Universities of Calcutta, Delhi and Madras. It is a 2-year course after the Intermediate at Calcutta, a 4-year course after the Qualifying Examination at Delhi and a 3-year course at Madras. Degrees in Pharmacy are given after a 3-year course after the Intermediate by the Universities of Agra, Banaras, Bombay, Madras and Rajputana.

Oriental Languages. Titles and degrees in Oriental Languages are given by the Universities of Allahabad, Andhra, Annamalai, Banaras, Jammu and Kashmir, Lucknow, Madras, Nagpur, Osmania, Patna, Rajputana, Travancore, Utkal and Visva-Bharati. The duration of the course varies greatly. Some are post-school, and some postgraduate. The " titles " correspond to degrees and diplomas.

Theology. Degrees in (Hindu) Theology are awarded by the University of Banaras after various courses. Aligarh awards degrees of Bachelor, Master and Doctor in (Islamic) Theology. Osmania also has Bachelor's, Master's and Doctor's degrees in (Islamic) Theology. Serampore College awards the B.D. and M.Th. degrees and L.Th. diploma in (Christian) Theology.

The Master's degree course requires specialization in one subject. The Master's degree course is not usually a research course, but in some Universities there is provision for a dissertation to be presented by a candidate in lieu of a part or the whole of the M.A. or M.Sc. examination. There is also provision in some Universities for part of the course to be completed in the first year (called M.A. or M.Sc. Previous examination), so that for the final examination candidates have to prepare only the rest of the course.

Research degrees are usually of the same pattern as in British or American Universities. Students select a field of research and under the guidance of a teacher appointed for the purpose work for at least 2 years after a postgraduate degree and present a thesis. Except where M.A. or M.Sc. is a research degree, the first research degree is Doctor of Philosophy (Ph.D. or D.Phil.). There are higher degrees like D.Litt. and D.Sc. In the Faculty of Law there is the degree of Doctor of Laws (LL.D.) for which one may supplicate with a thesis. The higher doctorates may also be conferred on distinguished persons *honoris causa.* Some Universities have a junior research degree called Master of Letters (M.Litt.).

Cost of Living. The cost of living varies in different Universities. In colleges in the smaller towns it may be about Rs.70 p.m.* inclusive of tuition fees, and in the larger cities it may be twice as much or more. Conditions of life vary greatly from place to place and hostel to hostel, and no simplified general statement of the cost of living can be given which would be of much practical value. A large number of Indian University students are, however, " day scholars " who have

* 1 Rupee = 1s. 6d. approximately.

only to pay tuition fees to their College or University and whose cost of living depends on the standard of living in their homes.

INTER-UNIVERSITY BOARD. In 1920 a Committee was formed for drafting an outline of the functions and constitution of an Association of Indian Universities. The project was further advanced at the Congress of Universities of the British Empire at Oxford in 1921 and at a Conference of Indian Universities held at Simla in 1924.

In accordance with a resolution passed by the Simla Conference, the Inter-University Board was established to co-ordinate the work of the Universities and to provide a forum for the exchange of information and opinion among the Universities. The Universities of Ceylon and Rangoon (Burma) are members of the Inter-University Board of India.

President, 1954–55, Dr. Zakir Husain, M.A., Ph.D. Alig., Vice-Chancellor, Aligarh Muslim University; Chairman of Standing Committee, Sir A. L. Mudaliar, M.D., LL.D, D.C.L., D.Sc., F.R.C.O.G., F.A.C.S., Vice-Chancellor of Madras University; Secretary, Professor V. K. Ayappan Pillai, M.A. Madr., B.A. Oxon. *Postal Address*: Senate House, University Buildings, Chepauk, Triplicane P.O, Madras 5, India.

PUBLICATIONS. The Inter-University Board publishes a *Handbook of Indian Universities* annually, and in alternate years *Lists* of subjects on which research is being done and a *Bibliography of Doctorate Theses*. It also publishes the *Reports of Proceedings* of the meetings of the Board and of conferences of Univs. held under its auspices, a *Bulletin*, and an *Annual Report*.

The Ministry of Education of the Government of India also publishes statistical information concerning various aspects of education in India.

INDIAN STUDENTS AT UNIVERSITIES IN GREAT BRITAIN AND IRELAND.* The Education Department of the High Commission of India, India House, Aldwych, London, W.C.2 (*Cables*: Hicomind, London; *Telephone*: Temple Bar 8484), gives advice and help on educational and all other matters relating to Indian students who come to Great Britain to complete or supplement their education. Secretary: A. M. D'Rozario, M.Sc., Ph.D., Dip.Ed. Camb.; Deputy Secretary: A. B. Chandiramani, B.Sc. Bom., B.Sc. (Eng.) Lond.; Education Officers: Miss C. H. Bose, M.A. Camb.; M. L. Obroi, M A. Panj., B.A. Oxon.; S. G. Sathaye, B A. Bom., Ph.D. Lond.; M. P. Jain, M.A. Panj.; Assistant Education Officers: Miss V. Kitchlu, M.A. Delhi and Panj.; Mrs. K. Khan, M.A. Madr., N. K. Sundaram, M.A. Madr., B.A. Oxon.; G. N. Bose, B.A. Calc., M.A. Gallaudet, Dip.Ed. Calc.; Welfare Officer: B. C. Nag.

Indian students who propose to proceed abroad for further study, training or research are strongly advised to consult the Ministry of Education, New Delhi, or their University's Foreign Universities Information Bureau or the Advisory Committee of their Province.

They should also consult the *Handbook for Indian Students—A Guide to the Facilities for University and Professional Studies and Training in the United Kingdom*, which is compiled by the Education Department

* *See also* Appendix IV. For Indian students at Univs. in other parts of the Commonwealth, *see under* "Student Numbers" in individual *Yearbook* entries.

in London : Part I of the 9th Edition was published in 1953, price 3s. 6d., and Part II is being prepared for publication. Copies may be obtained from the High Commission of India in London ; or in India, through the agents for the sale of Government publications.

The number of Indian students at present pursuing courses in the U.K. at Universities and other institutions, or engaged in practical training, is approx. 3000. The officers of the Education Department make every effort to keep in personal touch with them, and give them advice and help in regard to their admission, accommodation and welfare.

Note

The arrangement of Oriental names in the directory sections has been adopted for convenience of reference and for indexing purposes.

[*Information compiled as at July* 1954.]

AGRA UNIVERSITY *

Founded 1927

Postal Address: Hewett Park, Agra, Uttar Pradesh, India.
Telephone: Agra 748.

VISITOR—THE STATE GOVERNMENT OF UTTAR PRADESH.

CHANCELLOR—THE GOVERNOR OF UTTAR PRADESH.

VICE-CHANCELLOR—C. V. MAHAJAN, M.A Oxon.

REGISTRAR—L. P. MATHUR, D.Sc.

ADMINISTRATIVE AND OTHER STAFF

Dep. Registrar: R. S. Agarwal, B.Com. Asst. Registrar (Admin.): T. P. Mital, B.Com. Asst. Registrar (Accts.): K. C. Goyal, B.Com. Asst. Registrar (Examns.): K. B. Asthana, B.A., LL.B. P.A. to Vice-Chancellor: B. P. Jain, B.A., LL.B. Librarian: S. R. Misra, B.Com , Dip.Lib.

AFFILIATED COLLEGES

[M.A., etc., after name of College = teaching up to M.A., etc., standard.]

AGRA, *Agra College*. (*Telephone*: 100.) M.A.; M.Sc.; LL.M. Offg. Principal—M. Ray, M.A., Ph.D. Hds. of Depts.: *Phys.*—S. B. Raizada, M.Sc.; *Engl.*—B. Prasad, M.A., D.Phil.; *Hist. and Pol.*—A. L. Srivastava, M.A., Ph.D., D.Litt. Luck., D.Litt.; *Econ.*—G. Sahai, M.A., LL.B., Ph.D Lond.; *Philos.*—B. G. Tewari, M.A., Ph.D., D.Litt.; *Hindi and Sanskrit*—Pdt. J. N. Tewari, M.A., Shastri; *Maths.*—M. Ray, D.Sc. Calc.; *Drawing and Painting*—M. K. Verma; *Chem.*—A. K. Bhattacharya, D.Sc. Alld.; *Bot.*—S. Sinha, M.Sc. Luck., Ph.D.; *Zool.*—B. C. Mahendra, M.Sc. Alld., D.Sc.; *Military Science*—Capt. Hans Raj, M.A. Panj.; *Law*—A. C. Mukerji, B.L. Calc., LL.M. Bom.

AGRA, *Balwant Rajput College*. (*Telephone*: 111.) M.A.; M.Sc.; M.Com.; M.Sc. (Agric.). Principal—R. K. Singh, M.A., D.Ed.; Hds. of Depts.: *Engl.*—R. B. Sharma, M.A., Ph.D. Luck.; *Philos.*—S. Kumar, M.A., Ph.D.; *Hist. and Pol.*—B. N. Mehta, B.T. Nag., M.A., Ph.D.; *Hindi and Sanskrit*—N. D. Singh, D.Phil. Alld., M.A.; *Geog.*—A. N. Bhattacharya, M.A. Alig., M.A.; *Maths.*—S. Singh, M.A., Ph.D.; *Commerce*—T. R. Sharma, M.Com. Calc., Ph.D. Luck., M.A.; *Econ.*—R. Singh, M.A., B.Com., Ph.D.; *Phys.*—R. N. Singh, Ph.D. Ban., M.Sc.; *Chem.*—R. Singh, M.Sc., Ph.D., L.T. Alld.; *Bot.*—B. Singh, Ph.D. Luck., M.Sc.; *Zool.*—R. D. Saxena, M.Sc., Ph.D.; *Agron.*—N. K. A. Rao, M.Sc., Ph.D. Ban.; *Agric. Econ.*—D. Singh, M.A., Ph.D.; *Animal Husb. and Dairying*—S. N. Singh, M.Sc., Ph.D.; *Hortic.*—S. M. Singh, M.Sc. Ban.; *Milit. Sci.*—G. R. Singh, B.Sc. (Ag.).

AGRA, *Engineering College*, Dayalbagh. (*Telephone*: 780.) B.Sc. Eng. Principal—A. C. Sahgal, B.A., B.Sc. (Tech.); Hds. of Depts.: *Maths.*—S.

* Member of the Association of Universities of the British Commonwealth.

Kumar, M.Sc.; *Mech. Engin.*—A. Viswanath, B.Sc. (Eng.) Lond., B.E. (Civil), M.Sc. (Eng.).

AGRA, *Medical College.* (*Telephone*: 145.) M.B., B.S.; M.D., M.S. Principal—H. N. Bhatt, M.B., B.S., F.R.C.S., D.M.R. and E.; Hds. of Depts.: *Anat.*—S. P. Jain, M.B., B.S., M.D., F.R.C.S.; *Physiol.*—I. Singh, M.B., B.S., Ph.D.; *Biochem.*—M. G. Chakarvarti, M.Sc., Ph.D., D.I.C.; *Pathol.*—P. N. Wahi, M.D., F.R.C.S.; *Med.*—K. N. Gaur, M.D., D.C.H., F.R.F.P.S. Glas.; *Surg.*—C. B. Singh, M.B., B.S., F.R.C.S.; *Obst. and Gyn.*—A. D. Engineer, M.D., F.R.C.S.; *Ophthalmol.*—K. N. Mathur, M.S., D.O.M.S.; *Pharmacol.*—N. K. Chaudhari, M.D., Ph.D., D.T.; *Radiol.*—P. K. Haldher, M.D., D.M.R.E., D.M.R., D.M.R.T.

AGRA, *Radha Swami Educational Institute,* Dayalbagh. (*Telephone*: 730.) B.A.; B.Sc.; B.Com.; LL.B.; B.T. Principal—B. P. Johri, M.Sc.; Hds. of Depts.: *Econ.*—S. P. Madhosh, M.A.; *Law*—D. S. Bhatnagar, B.A., LL.B.; *Comm.*—G. P. Sayal, M.Com.; *Physics*—N. R. Banerji, M.Sc.; *Maths.*—P. C. Gaur, M.Sc.; *Chem.*—D. N. Talwar, M.Sc.

AGRA, *St. John's College.* (*Telephone*: 155.) M.A.; M.Sc.; M.Com. Under the general control of the Church Missionary Society. Admits non-Christians. Principal—Ven. Dr. T. D. Sully, M.A.; Hds. of Depts.: *Engl.*—S. P. Sharma, M.A. Alld.; *Philos.*—M. A. Hakim, M.A. Luck., M.Ed. G.P. Coll.; *Hist. and Civics*—Miss M. E. Gibbs, Hons. in Mod. Hist. Oxon., M.A. Manc.; *Polit.*—H. S. Housman, B.A.; *Econ.*—C. T. Gideon, M.A., L.T. Alld.; *Geog.*—A. R. Tewari, M.A. Alig. and Alld., M.A.; *Pers. and Urdu*—M. U. Faridi, M.A. Alig.; *Hindi*—H. H. N. Tandon, M.A. Ban.; *Maths.*—C. R. Chaturvedi, M.A., B.Sc. Alld.; *Chem.*—P. I. Ittyerah, B.A. Madr., M.Sc., Ph.D.; *Physics*—K. P. Mathur, M.Sc.; *Zool.*—M. S. Mani, M.A. Madr., D.Sc.; *Bot.*—B. L. Gupta, M.Sc. Alld.; *Comm.*—R. S. Dwivedi, B.Com. Alld., M.A.; *Accountancy and Law*—Rev. N. Timothy, B.Com. Luck., M.A.

AGRA, *Women's Training College,* Dayalbagh. (*Telephone*: 730.) B.A.; B.T. Principal—S. P. Sukhia, M.A., T.Dip.; Hds. of Depts.: *Hindi*—Mrs. D. D. Rai, M.A., B.T.; *Hist.*—Mrs. A. P. Dass, M.A., B.T. (Sr. Lectr.); *Psychol. and Philos.*—Mrs. G. P. Sherry, M.A., B.T.; *Polit.*—Mrs. Pushpa Khera, M.A., M.Ed.; *Engl.*—Miss P. V. Mehta, M.A.; *Econ.*—Mrs. Sushila Rakesh, M.A., B.T.

AJMER, *D.A.V. College.* (*Telephone*: 262.) B.A.; B.Com. Hds. of Depts.: *Polit. Sci.*—Principal D. Vable, M.A., LL.B.; *Hist.*—K. R. Vable, M.A.; *Sansk.*—D. C. Shastri, M.A.; *Comm.*—G. L. Joshi, M.A., M.Com.; *Engl.*—R. S. Varma, L.T. Alld., M.A.; *Econ.*—B. N. Kashyap, M.A. Alld.; *Hindi*—.....

AJMER, *Government College.* (*Telephone*; 21.) M.A.; M.Sc.; B.Com.; LL.B. Principal—V. V. John, M.A. Hds. of Depts.: *Sansk.*—R. G. Ojha, M.A. Ban.; *Engl.*—B. Sen, M.A. Delhi; *Hist.*—R. S. Kapur, B.A. Lond.; *Zool.*—P. N. Mathur, M.Sc., Ph.D.; *Econ.*—R. N. Bagchi, M.A. Calc., Ph.D. Lond.; *Maths.*—K. B. Rao, B.A. Madr.; *Chem.*—K. P. Haldar, M.Sc. Ban.; *Philos.*—A. M. Ghose, M.A. Alld.; *Polit.*—K. M. Kaul, M.A., LL.B.; *Pers.*—S. M. Hasan, M.A.; *Physics*—M. L. Garg, M.Sc. Luck.; *Bot.*—B. D. Tyagi, M.Sc.; *Urdu and Pers.*—A. I. A. Syed, M.A.; *Law*—P. H. Ramchandani, LL.B.; *Comm.*—B. K. Tandon, M.A., Ph.D.

AJMER, *Savitri Girls' College.* B.A. Principal—..... Hds. of Depts.: *Hist.*—Miss M. Bhatji, M.A. Madr.; *Econ.*—Miss S. Mehra, M.A.; *Hindi*—M. N. Kacker, M.A.; *Music*—G. N. Rajvirkar; *Polit.*—Miss U. Goel, M.A.

ALIGARH, *Barahseni College.* (*Telephone*: 145.) M.A.; M.Com.; LL.B. Principal—M. C. Mathur, M.A. Delhi, M.Sc. Belf., Ph.D. Hds. of Depts.: *Econ.*—Vice-Principal M. Lal, M.A. Alld., M.A.; *Hindi*—P. L. Shukla, M.A. Luck.; *Engl.*—N. P. Gupta, M.A.; *Geog.*—H. K. Gupta, M.A. Alig.; *Polit.*—G. P. Srivastava, M.A.; *Comm.*—S. S. Rathi, M.A., M.Com.; *Law*—D. P. Varshneya, M.A., LL.B. Alld.

ALIGARH, *Dharam Samaj College.* (*Telephone*: 158.) M.A.; B.Sc. Hds. of Depts.: *Psychol.*—Principal V. G. Jhingran, M.Sc. Luck., B.Ed. Edin.; *Engl.*—D. M. Gupta, M.A.; *Hist.*—R. P. Saksena, M.A. Alld.; *Pol. Sci.*—G. K. Gahrana, M.A.; *Econ.*—M. D. Tandon, M.A. Alld.; *Hindi and Sansk.*—M. L. Gaur, M.A.; *Geog.*—O. N. Kapoor, M.A. Alig., LL.B., B.T. Panj.; *Milit. Sci.*—R. Nath, B.A. Panj.; *Maths.*—S. K. Singh, M.Sc. Alld.; *Chem.*—L. S. Bhatia, M.Sc. Ban., Ph.D.; *Physics*—R. S. Bhargava, M.Sc. Alld.; *Drawing*—B. L. Raizada, B.A.

ALMORA, *D.L.S.G. Degree College.* B.A., B.T. Hds. of Depts.: *Hist.*—Principal A. D. Pant, M.A.; *Teaching*—U. C. Pande, M.A. Alld., M.A.; *Polit. Sci.*—P. K. Shrivastava, M.A. Saug.; *Econ.*—C. S. Pandey, M.A. Alld.; *Hindi*—D. K. Jain, M.A. Ban.; *Engl.*—A. D. Pant, M.A.; *Geog.*—P. C. Tewari, M.A.

AZAMGARH, *Shibli National College.* B.A.; B.Com.; LL.B. Hds. of Depts.: *Persian and Urdu*—Principal S. Sultan, M.A. Alld.; *Econ.*—M. Mozammil, M.A. Luck. and Alig., L.T. Alld.; *Engl.*—S. A. Hasan, M.A. Alld.; *Hist.*—T. Prasad, M.A., L.T. Alld.; *Hindi*—K. P. Gupta, M.A. Ban.; *Maths.*—B. R. Rai, M.Sc., B.T. Ban.; *Polit.*—M. Zuberi, M.A. Alig., L.T. Alld.; *Geog.*—Q. Hasan, M.A. Alig.; *Law*—A. Uddin, LL.B. Alig.; *Comm.*—P. P. Satsangi, M.Com.

BALLIA, *Satish Chandra College.* B.A. Principal—J. P. Singh, M.A.; Hds. of Depts.: *Econ.*—K. D. Upadhyay, M.A. Ban., Ph.D.; *Hist.*—S. C. Banerji, M.A., B.T. Calc.; *Maths.*—G. L. Jha, M.A. Ban.; *Engl.*—R. N. Pandle, M.A., B.T.; *Hindi*—H. D. Misra, M.A.; *Sansk.*—V. N. Pande, M.A.; *Polit.*—L. N. Misra, M.A.; *Hist.*—A. Gupta, M.A.; *Geog.*—M. N. Nigam, M.A.

BARAUT (MEERUT), *Digamber Jain College.* (*Telephone*: 32.) B.A., B.Sc. Principal—A. B. Malkani, M.Sc.; Hds. of Depts.: *Chem.*—N. L. Jain, M.Sc.; *Econ.*—R. S. Jain, M.A.; *Engl.*—H. C. Jain, M.A.; *Hindi and Sansk.*—B. S. Upadhyaya, M.A.; *Hist. and Polit.*—S. N. S. Tyagi, M.A.; *Maths.*—O. P. Gupta, M.A.; *Physics*—R. R. Mehretra, M.Sc., Ph.D.

BARAUT (MEERUT), *Jat Vedic College.* (*Telephone*: 32). B.Sc.; B.Sc. (Agric.). Hds. of Depts.: *Engl.*—Principal S. S. Chaudhry, M.A.; *Chem.*—G. L. Maheshwari, M.Sc., Ph.D.; *Bot.*—B. Prasad, M.Sc. Ban.; *Zool.*—R. N. Saksena; *Agric.*—R. Singh, M.A., LL.B.

BAREILLY, *Bareilly College.* (*Telephone*: 1164.) M.A.; M.Sc.; LL.B.; M.Com. Hds. of Depts.: *Econ.*—Principal R. K. Sharma, M.A., LL.B. Alld.; *Engl.*—A. K. Das Gupta, Ph.D. Edin.; *Polit.*—G. P. Mehrotra, M.A. Alld.; *Philos.*—H. D. Gupta, M.A., LL.B.; *Sansk.*—B. N. Sharma, M.A.; *Urdu*—M. T. Siddiqi, M.A. Alld.; *Hindi*—G. Juyal, M.A., Ph.D.; *Maths.*—R. K. Vaish, M.Sc. Alld.; *Milit. Sci.*—Capt. B. R. K. Tandon, M.A.; *Chem.*—L. D. Tewari, M.Sc., D.Phil. Alld.; *Physics*—B. P. Saxena, M.Sc. Luck.; *Biol.*—D. N. Srivastava, M.Sc. Ban.; *Comm.*—N. K. Chaddha, M.A., LL.B. Alld.; *Law*—B. L. Agarwal, M.A., LL.B.

BHOPAL, *Government Hamidia College.* (Telephone: 41.) M.A.; B.Sc.; B.Com.; LL.B. Principal—P. C. Malhotra, M.A.; Hds. of Depts.: *Hist. and*

Pol. Sci.—K. L. Srivastava, B.T., M.A., Ph.D.; *Engl.*—A. N. Gupta, M.A. Alld.; *Comm.*—R. C. Shukla, M.Com., LL.B. Alld.; *Hindi*—R. Guru, M.A. Nag.; *Urdu*—G. C. Jain, M.A., D.Phil.; *Sansk.*—S. C. S. Paranjpe, M.A., LL.B. Nag.; *Maths.*—K. N. Nanda; *Physics*—M. G. Nene; *Chem.*—A. D. Shitoot, M.Sc.; *Law*—P. L. Srivastava, LL.M.

CHANDAUSI, *S.M. College.* M.A.; B.Sc.; B.Com. Hds. of Depts.: *Chem.*—Principal K. Kumar, M.Sc. Alld.; *Physics*—P. S. Dubey, M.Sc. Luck.; *Maths.*—M. R. Saxena, M.A., B.Sc.; *Engl.*—S. C. Roy, M.A. Ban., L.T. Alld.; *Hist. and Pol.*—W. C. Banerjee, M.A. Alld., M.A.; *Geog.*—K. Sahai, M.A., B.T. Alig.; *Hindi and Sansk.*—G. S. Sheal, M.A., D.Phil.; *Polit.*—L. Bahadur, M.A., Ph.D.; *Econ.*—S. D. Tripathi, M.A.; *Comm.*—B. Behari, M.A., M.Com.

CHHATTARPUR, *Maharaja's College.* B.A. Hds. of Depts.: *Engl.*—Principal H. R. Misra, M.A., B.T., D.Litt. Ban., M.A.; *Hist.*—Vice-Principal P. S. Mathur, M.A.; *Philos.*—B. M. Chaturvedi, M.A.; *Hindi*—B. D. Sharma, M.A.; *Polit.*—R. Prasad, M.A.; *Econ.*—T. P. Rastogi, M.A.

DEHRA DUN, *D.A.V. College.* (*Telephone*: 555.) M.A.; M.Sc.; B.T.; LL.B.; M.Com. Principal—R. N. Saxena, M.A., Ph.D., D.Litt.; Hds. of Depts.: *Econ.*—J. S. Garggya, M.A. Alld.; *Engl.*—Ganga D. Shukla, M.A.; *Hindi*—Gaya P. Shukla, M.A. Ban.; *Hist.*—B. S. Bhatnagar, M.A.; *Polit.*—S. C. Bartariya, M.A. Luck.; *Sansk.*—R. N. S. Srivastava, M.A., Sahitya Shastri; *Philos.*—S. B. Roy, M.A. Calc.; *Urdu*—B. P. Saxena, M.A. Alld., M.A.; *Drawing*—R. Saxena; *Maths.*—A. S. Sinha, M.A., L.T.; *Chem.*—L. N. Gupta, M.Sc. Alld.; *Physics*—J. P. Roy, M.Sc.; *Zool.*—T. Singh, M.Sc., M.Ed.; *Bot.*—K. N. Das, M.Sc. Ban.; *Comm.*—B. S. Nigam, M.A., B.Com.; *Law*—K. S. Pathak, M.A., LL.B.; *Teachers' Trg. Section*—R. P. P. Mathur, M.Sc., L.T.

FAIZABAD, *Shri Saket Mahavidyalaya College.* B.A. Hds. of Depts.: *Engl.*—Principal H. H. N. Hukku, M.A., B.Sc. Ban., D.Litt.; *Sansk.*—R. C. Rastogi, M.A., Sahityacharya Luck.; *Hist.*—K. S. Tripathi, M.A. Alld.; *Hindi*—B. N. Srivastava, M.A. Alld.; *Econ.*—K. C. Malhotra, M.A. Luck.; *Psychol.*—P. Mishra, M.A., Ph.D.; *Geog.*—M. P. Karan, M.A.

GHAZIABAD, *Mahanand Mission Harijan College.* (*Telephone*: 20.) B.A.; B.Sc.; B.Com.; LL.B. Hds. of Depts.: *Engl.*—Principal B. S. Mathur, M.A. Luck.; *Maths.*—U. S. Shrivastava, M.Sc. Luck.; *Hindi*—J. C. Rai, M.A.; *Econ.*—S. K. Shrivastava, M.A.; *Hist. and Pol.*—S. C. Mathur, M.A. Nag., M.A.; *Philos.*—R. Singh, M.A.; *Drawing and Painting*—C. L. Jha, M.A.; *Geog.*—M. S. Bhatnagar, M.A.; *Chem.*—B. S. Tyagi, M.Sc.; *Physics*—B. R. Singh, M.Sc.; *Law*—R. Mohan, B.A., LL.B.; *Comm.*—R. Raman, M.A., M.Com.

GORAKHPUR, *M.P. College.* B.A.; B.Com. Principal—H. P. Sahi, M.A.; Hds. of Depts.: *Engl.*—R. A. Singh; *Hindi*—B. G. Misra; *Hist.*—A. B. L. Awasthi, M.A.; *Polit.*—Krishnanand, M.A., LL.B.; *Sansk.*—L. N. Singh, M.A.; *Geog.*—Mahatma Singh, M.A.; *Philos.*—Mahadeva, M.A., Ph.D., Pdt.; *Comm.*—M. Singh, M.Com.

GORAKHPUR, *St. Andrew's College.* (*Telephone*: 112.) M.A.; M.Sc.; LL.B. Principal—P. T. Chandi, M.A.; Hds. of Depts.: *Engl.*—H. C. Mukerjee, M.A. Alld.; *Hist.*—H. S. Srivastava, M.A., L.T. Alld., M.A.; *Econ.*—R. N. Sanyal, M.A. Alld., M.A.; *Hindi*—G. N. Tewari, M.A.; *Sansk.*—K. D. Dwivedi, M.A. Panj. and Ban., D.Phil. Alld., Shastri; *Urdu*—A. S. Majnoon, M.A. Calc., M.A.; *Pers.*—M. O. Rahman, M.A. Luck. and Calc.; *Philos.*—S. N. Sharma, M.A. Alld.; *Law*—R. R. Prasad, M.A., LL.B.; *Maths.*—K. C.

Chatterji, M.Sc. Alld.; *Chem.*—J. W. Paul, M.Sc. Alld.; *Physics*—B. N. Ghose, M.Sc. Alld.; *Bot.*—M. O. Varkey, M.Sc. Alld.; *Zool.*—G. S. Shukla, M.Sc. Ban.

GWALIOR, *Gajra Raja Medical College.* (*Telephone*: 2368.) M.B.; B.S.; M.D.; M.S. Entirely supported by the State. Principal—B. Sahai, M.D. Luck. (on leave); Hds. of Depts.: *Anat.*—S. C. Guha, M.B. Calc., F.R.F.P.S. Glas.; *Physiol.*—N. P. Benawari, M.D. Luck.; *Pharmacol.*—A. S. Paranjpe, M.B., Ch.B. Edin., M.D. Heidel, D.T.M. and H. Edin.; *Pathol.*—B. K. Aikati, M.B., B.S., M.D. Patna, Ph.D., D.C.P. Lond.; *Med.*—.....; *Surg.*—B. N. B. Rao, B.S. Mys., M.B., B.S. Bom., F.R.C.S.; *Gynæcol.*—Miss L. V. Phatak, M.B., B.S. Bom., F.R.C.S.Ed.; *Ophthalmol.*—A. H. Firdosi, M.B., B.S. Luck., L.O., Madr., D.O. Oxon.

GWALIOR, *Kamla Raja Girls' College.* (*Telephone*: 2247.) B.A. Entirely supported by the State. Hds. of Depts.: *Engl.*—Principal—Mrs. Uma Johri, M.A. Luck, L.T. Alld.; *Hindi*—Miss Sarojini Rohatgi, M.A., D.Sc. Ban.; *Marathi*—Miss Champa V. Ketkar, M.A. Bom.; *Econ.*—Mrs. Naini Sharan, M.A. Ban.; *Polit.*—Mrs. Indu Mehta, M.A., LL.B.; *Hist.*—Miss Ramola Mukerje, M.A. Ban., M.A., Ph.D.

GWALIOR, *M.B. College of Agriculture.* (*Telephone*: 2107.) B.Sc. (Ag.). Hds. of Depts.: *Bot.*—Principal R. Sankaran, M.A., Ph.D. Lond., D.I.C.; *Agric.*—M. P. Singh; *Agric. Chem.*—Y. B. Rangnekar, M.Sc. Bom.; *Entomol.*—M. L. Purohit, M.Sc. (Ag.).

GWALIOR, *Victoria College.* (*Telephone*: 2242.) M.A.; M.Sc., B.Com.; LL.B. Entirely supported by the State. Offg. Principal—.....; Hds. of Depts.: *Engl.*—N. B. Paradhkar, M.A. Bom.; *Hindi*—G. P. Tandon, M.A. Alld.; *Sansk.*—R. D. Laddu, M.A.; *Marathi*—A. M. Joshi, M.A.; *Econ.*—G. N. Tandon, M.A. Luck.; *Polit.*—P. Chandra, M.A., LL.B., Ph.D. Lond.; *Hist.*—M. N. Kaul, M.A.; *Geog.*—M. A. Qureshi, M.Sc. Alig.; *Philos.*—B. K. Haksar, M.A. Alld.; *Law*—K. G. Vidjkar, B.A., LL.B.; *Maths.*—S. K. Abhyankar, M.Sc., L.T. Nag.; *Comm.*—C. M. Palvia, M.A., Sahitya Ratan; *Chem.*—G. P. Pandse, M.Sc.; *Physics*—G. R. Jain, M.Sc., Ph.D. Alld.; *Bot.*—K. L. Saxena, M.Sc. Alld.; *Zool.*—S. S. Saxena, M.Sc. Ph.D.; *Milit. Sci.*—P. K. Mukerjee, M.Sc. Luck.

GYANPUR, *V.N. Government Degree College.* M.A.; M.Com.; B.Sc. Principal—.....; Hds. of Depts.: *Philos.*—O. B. L. Kapoor, D.Phil. Alld.; *Engl.*—.....; *Hist.*—G. Diwivedi, Ph.D. Bom.; *Econ.*—K. N. Grivastava, M.A., D.Litt.; *Sansk.*—J. K. Balbir, D.Litt. Paris; *Geog.*—B. N. Ganguli, M.A.; *Zool.*—J. P. Gupta, M.Sc.; *Bot.*—B. B. L. Saxena, M.Sc.; *Physics*—S. S. Saxena, M.Sc.; *Chem.*—B. N. Dutta, M.Sc.; *Maths.*—R. N. Lal, M.A.; *Polit.*—R. Mohan, M.A.; *Hindi*—N. K. Singh, M.A.; *Comm.*—B. C. Srivastava, M.Com.

HAPUR, *Shri Saraswati Vidyalaya Degree College.* (*Telephone*: 108.) B.A. Hds. of Depts.: *Philos.*—Principal I. D. Tawakley, M.A., D.Litt. Paris; *Hindi*—P. S. Gupta, M.A. Luck.; *Engl.*—R. D. Suri, M.A. Panj.; *Econ.*—B. S. Saxena, M.A., M.Com.; *Polit.*—N. Vidhyarthi, M.A. Luck.; *Milit. Sci.*—B. N. Maliwal, B.A. Alld.; *Geog.*—S. D. Kaushik, M.A.

INDORE, *Christian College.* M.A. Principal—Rev. A. M. Dalaya, M.A.; Hds. of Depts.: *Econ.*—Vice-Principal R. N. Lamgor, B.A. Alld., M.A.; *Polit.*—N. C. Chatterjee, B.A. Calc., M.A., L.T. Alld., M.A.; *Hindi*—C. W. David, M.A. (Asst. Registrar); *Philos.*—C. P. Brahmo, B.A. Alld., M.A., LL.B. Alig., M.A., Ph.D.; *Sansk. and Marathi*—D. G. Sapre, M.A. Nag.,

Tireto Calc., Shastrya Ban., M.A.; *Hist.*—Rev. A. T. Embree, B.A. Dal., A.M. Col., B.D. Pine Hill.

INDORE, *Holkar College.* (*Telephone*: 6074.) M.A.; M.Sc.; LL.B.; B.Com. Maintained by the State. Hds. of Depts.: *Chem.*—Principal W. V. Bhagwat, D.Sc.; *Engl.*—H. Ghosh, M.A. Calc.; *Econ.*—R. K. Yarday, M.A., B.Com., LL.B.; *Hist.*—S. N. Bajpai, M.A. Alld.; *Polit.*—S. Ghosh, M.A. Ban.; *Philos.*—G. W. Kaveeshwar, M.A., LL.B.; *Hindi*—K. B. Mishra, M.A. Alld., Sahitya Ratna Panj.; *Marathi*—S. G. Walimbe, M.A. Nag.; *Sansk.*—Y. R. Vipradas, M.A.; *Pers. and Urdu*—A. Khan, LL.B. Alig., M.A.; *Physics*—S. V. Chitale, M.Sc. Alld.; *Bot.*—H. B. Saxena, LL.B., M.Sc.; *Zool.*—B. S. Gogate, M.Sc. Alld.; *Maths.*—P. C. Gangrade, M.Sc. Alld.; *Comm.*—S. L. Sharma, M.A., B.Com., LL.B.; *Law*—P. P. Pandit, B.Sc., LL.B. Bom.

INDORE, *Mahatma Gandhi Memorial Medical College.* (*Telephone*: 307.) M.B., B.S. Hds. of Depts.: *Pharmacol.*—Principal B. C. Bose, M.D., D.Sc., D.T.M. Paris; *Pathol.*—C. M. Rangam, M.D. Madr.; *Ophthalmol.*—G. S. Wagle, D.O. Oxon.; *Anat.*—R. P. Singh, M.B., B.S., M.S.; *Physiol.*—G. S. Sachdev, M.B., B.S., M.Sc. Panj.; *Med.*—S. K. Mukerjee, M.B. Calc.; *Surg.*—B. B. Ohri, M.B., B.S., M.S. Panj., F.R.C.S.Ed.; *Obst. and Gynæcol.*—S. Bhousle, M.D.

JAUNPUR, *T.D.K. College.* (*Telephone*: 39.) B.A.; B.Sc.; B.T.; LL.B. Hds. of Depts.: *Engl.*—Principal H. N. Singh, M.A., B.T. Ban.; *Hindi*—S. N. Srivastava, M.A., LL.B., B.T. Ban.; *Philos.*—J. G. Varma, M.A., D.Phil. Alld.; *Econ.*—S. C. Goel, M.A. Alld.; *Geog.*—J. P. Srivastava, M.Sc. Ban.; *Urdu*—A. H. Khan, M.A. Alld.; *Hist.*—V. S. Gautam, M.A., LL.B.; *Sansk.*—S. D. Singh, M.A.; *Polit.*—S. B. Singh, M.A., LL.B.; *Maths.*—R. N. Singh, M.Sc. *Chem.*—K. P. Singh, M.Sc.; *Physics*—R. Kishore, M.Sc.

JHANSI, *Bundelkhand College.* B.A. Hds. of Depts.: *Maths.*—Principal S. Swarup, M.Sc.; *Econ.*—P. K. Upadhyaya, M.A., Ph.D. Luck.; *Engl.*—B. P. Darbari, M.A., L.T. Alld.; *Sansk. and Hindi*—S. N. Varma, M.A. Nag., M.A.; *Polit.*—S. S. Kothari, M.A., LL.B. Saug.; *Hist.*—B. R. Misra, M.A. Nag., M.A.; *Philos.*—G. C. Sharma, M.A. Ban.

KANPUR, *Christ Church College.* M.A.; M.Sc. Principal—Rev. R. G. Slater, M.A. Hds. of Depts.: *Engl.*—M. N. Sen, M.A. Calc.; *Econ.*—T. Chandra, M.A. Alld.; *Hist.*—L. K. Tripathi, M.A. Alld.; *Hindi*—B. D. Sharma, B.A., Shastri Panj., M.A.; *Urdu*—S. N. Husain, M.A., D.Phil. Alld.; *Philos.*—V. M. Chacko, M.A. Madr.; *Chem.*—H. C. Saraswat, M.Sc., Ph.D.; *Physics*—I. P. Sharma, M.Sc.; *Polit. Sci. and Sociol.*—C. Ackroyd, M.A. Oxon.; *Maths.*—N. Saran, M.A.

KANPUR, *Dayanand Anglo-Vedic College.* (*Telephone*: 3390.) M.A.; M.Sc.; LL.B.; M.Com.; B.T. Hds. of Depts.: *Econ.*—Principal K. P. Bhatnagar, M.A., LL.B. Alld.; *Engl.*—Vice-Principal S. P. Saksena, M.A. Luck.; *Econ.*—M. P. Mathur, M.A., Ph.D.; *Philos.*—K. Kumar, M.A. Panj., M.A.; *Hist.*—M. L. Vidyarthi, M.A.; *Pol. Sci.*—S. N. Verma, M.A., Ph.D.; *Sansk.*—R. B. L. Shastri, M.A. Alld., Shastri Panj., Ved Tirth Calc.; *Hindi*—M. R. Sharma, M.A., Ph.D. Panj.; *Maths.*—K. L. Misra, M.A. Alld.; *Geog.*—N. S. Sharma, M.A. Alig.; *Drawing and Painting*—C. Bartaria, M.A. Alld., M.A. Bom.; *Sociol.*—K. N. Sharma, M.A.; *Milit. Sci.*—Capt. K. K. Pradhan, M.A. Luck., M.A.; *Comm.*—B. Singh; *Physics*—R. S. Mathur, M.Sc. Luck.; *Chem.*—H. L. Rohatgi, M.Sc. Alld.; *Zool.*—K. K. Varma, M.Sc. Alld.; *Bot.*—R. C. Mathur, M.Sc.; *Law*—N. Chandra, M.A., LL.B. Alld.

KANPUR, *Government Agricultural College.* (*Telephone*: 2512.) M.Sc. (Agric.). Principal—B. L. Sethi, M.Sc., Ph.D. Wales; Hds. of Depts.: *Agric.*—J. N. Sharma, Ph.D.; *Chem.*—J. G. Shrikhande, M.Sc., Ph.D. Lond.; *Bot.*—T. R. Mehta, Ph.D.; *Zool. and Entomol.*—U. S. Sharga, M.Sc., Ph.D. Edin., F.R.E.S.

KANPUR, *S.N. Sen B.V. Degree College.* B.A. Hds. of Depts.: *Engl.*—Principal Mrs. G. D. Mathur, M.A., Ph.D.; *Hindi*—Miss L. Jayaswal, M.A.; *Hist.*—Miss M. K. Ghosh, M.A.; *Philos.*—Mrs. S. Katiyar, M.A.; *Polit.*—Mrs. K. Tandon, M.A.; *Econ.*—Miss S. Chaddha, M.A.

KANPUR, *V.S. Sanatan Dharma College.* (*Telephone*: 2333.) M.A., LL.B., M.Com. Principal—L. C. Tandon, M.A. Calc., M.Com. Bom.; Hds. of Depts.: *Hist.*—K. S. Bhatnagar, M.A., LL.B.; *Engl.*—V. D. Misra, M.A., LL.B.; *Hindi*—A. N. Sharma, M.A.; *Politics*—H. N. Sabhawal, M.A.; *Law*—B. L. Misra, B.A., LL.B.; *Milit. Sci.*—Capt. S. S. Sharma, M.A.; *Geog.*—S. N. Mehrotra, M.A.; *Sansk.*—S. N. Pandeya, M.A.; *Comm.*—B. P. Gupta, M.A., M.Com. *Econ.*—A. P. Gaur, M.A., M.Com., Ph.D.

KHURJA, *N.R.E.C. College.* (*Telephone*: 35.) M.A.; M.Sc.; M.Com.; B.T. Hds. of Depts.: *Polit. Sci.*—Principal P. D. Gupta, M.A. Alld. and Calc.; *Maths.*—B. L. Govila, M.A. Alld.; *Hindi*—B. M. Gupta, M.A. Nag., M.A.; *Econ.*—M. S. Nigam, M.A.; *Engl.*—V. D. Dikshit, M.A. Luck.; *Philos.*— ; B. N. Gaur, M.A. Luck.; *Chem.*—S. L. Sareen, M.Sc. Luck.; *Physics*—R. Krishna, M.Sc.; *Comm.*—K. S. Singhal, M.A. Alig., M.A., M.Com.; *Sansk.*—S. K. Gupta, M.A.; *Law*—G. D. Govil, B.A., LL.B.

LAKHAOTI, *A.S. Jat College.* B.A.; B.Sc. (Ag.). Principal—G. N. Pathak, M.Sc., Ph.D.; Hds. of Depts.: *Agric.*—B. S. Chaudhry, M.A., M.Sc.; *Hindi*—D. S. Misra, M.A.; *Polit. Sci.*—K. P. Chaudhry, M.A. Luck.; *Engl.*—M. R. Verma, M.A. Panj.

LAKHIMPUR-KHERI, *Yuvraj Datta College.* M.A.; B.Com. Hds. of Depts.: *Philos.*—Principal J. D. Singh, M.A.; *Hist.*—Vice-Principal G. Singh, M.A. Luck.; *Hindi*—C. P. Singh, M.A.; *Polit. Sci.*—R. Singh, M.A., LL.B. Luck.; *Sansk.*—H. C. Joshi, M.A. Luck.; *Engl.*—I. D. Dube, M.A.; *Econ.*—A. P. Singh, M.A. Alld.; *Comm.*—D. Singh, M.Com. Luck.

MATHURA, *Kishori Raman Degree College.* (*Telephone*: 156.) B.A.; B.Com. Hds. of Depts.: *Engl.*—Principal D. N. Bhargava, M.A., L.T. Alld.; *Hist.*—Vice-Principal J. S. Saxena, M.A., L.T.; *Econ.*—H. S. Bhargava, M.A.; *Comm.*—B. N. Gigras, M.A., B.Com.; *Philos.*—H. L. Maheshwari, M.A. Ban.; *Pol. Sci.*—G. C. Mathur, M.A.; *Hindi*—T. C. Sharma, M.A.; *Geog.*—B. L. Sharma, M.A.; *Drawing and Painting*—P. N. Bhargava; *Sansk.*—K. L. Gaur, M.A. Ban., Shastri.

MATHURA, *U.P. College of Veterinary Science and Animal Husbandry.* (*Telephone*: 33.) B.V.Sc. and A.H. Hds. of Depts.: *Pathol.*—Principal P. G. Pande, M.Sc.; *Surg.*—C. V. G. Choudhary, B.Sc.; *Med.*—B. S. Singh; *Parasitol.*—B. P. Pande, D.Sc. Alld.; *Materia Medica*—S. M. H. Shah, B.Sc.; *Physiol.*—A. Roy, M.Sc. Calc., Ph.D. Lond.; *Animal Nutrition*—S. K. Talapatra, D.Sc., Ph.D.

MEERUT, *Meerut College.* (*Telephone*: 442.) M.A.; M.Sc.; LL.B.; M.Com. Principal—Modan Mohan, M.A.; Hds. of Depts.: *Hist.*—S. P. Sinha, M.A. Alld., LL.B.; *Polit.*—J. P. Suda, M.A.; *Engl.*—J. C. Biswas, M.A. Calc.; *Philos.*—B. N. Bhattacharya, M.A., Ph.D.; *Econ.*—R. C. Saksena, M.A.; *Comm.*—K. K. Sharma, M.A., Ph.D.; *Drawing*—R. N. Tandon, M.A.; *Sansk.*—Prof. D. N. Shastri, M.A., M.O.L., Shastri; *Urdu*—Prof. Z. H.

Siddiqi, M.A. Alld., M.A.; *Milit. Sci.*—Capt. S. Lal, M.Sc.; *Maths.*—D. P. Banerji, D.Sc.; *Hindi*—Prof. K. N. Pant, M.A. Panj., M.A.; *Law*—Prof. S. C. Gupta; *Chem.*—S. S. Joshi, D.Sc. Luck.; *Physics*—Prof. R. B. Mathur, M.Sc. Alld.; *Zool.*—Prof. B. M. Sinha, M.Sc.; *Bot.*—V. Puri, D.Sc.; *Law*—S. Dayal, B.A., LL.B.

MEERUT, *N.A.S. College.* B.A. Hds. of Depts.: *Hist.*—Principal B. L. Sharma, M.A.; *Engl.*—P. D. Chaturvedi, M.A.; *Econ.*—O. K. Saxena, M.A., B.Com.; *Polit.*—K. K. Misra, M.A. Luck.; *Hindi*—D. S. Rastogi, M.A.; *Maths.*—S. B. Mathur, M.Sc.; *Sansk.*—D. C. Shastri, M.A.

MEERUT, *Raghunath Girls' College.* B.A. Hds. of Depts.: *Hist.*—Mrs. Lakshmi Sharma, M.A. Alig. (Principal); *Hindi*—Mrs. Sheela W. Gupta, M.A.; *Polit.*—Mrs. Vimla Puri, M.A.; *Philos.*—Mrs. Prabha Rastogi, M.Sc.; *Econ.*—Mrs. Kamla Agnihotri, M.A.; *Sansk.*—Mrs. Kausalya Gangol., M.A.; *Engl.*—Mrs. Chandra J. Kaur, M.A.; *Econ.*—V. Gupta, M.A.

MORADABAD, *Coronation Hindu Degree College.* M.Sc.; M.Com.; B.T. Principal—J. P. Singhal, M.A., Ph.D.; Hds. of Depts.: *Teaching*—I. B. Verma, B.T. Ban., M.Ed. Delhi, M.A., B.Sc.; *Comm.*—B. D. Chaurasia, M.A., M.Com., LL.B.; *Maths.*—R. P. Gupta, M.Sc.; *Physics*—D. Dayal, M.Sc. Alld.; *Chem.*—V. Prakash, M.Sc. Panj.; *Engl.*—D. V. Sharma, M.A. Luck.

MORADABAD, *Gokaldas Hindu Girls' College.* B.A. Hds. of Depts.: *Engl.*—Principal B. Sen Gupta, M.A., B.T., B.Lit., H.Dip. in Educn. N.U.I.; *Econ.*—D. Fanthom, M.A., L.T.; *Polit.*—Shrimati Shanti D. Bala, M.A. Alld.; *Hindi*—Shrimati Gyanwati Agarwala, M.A.; *Psychol.*—M. Sinha, M.A. Ban.; *Maths.*—R. K. Kohli, M.A., D.T.; *Sansk.*—Shrimati Sharda Swarup, M.A.; *Music*—M. Ghoshal.

MORADABAD, *K.G.K. College.* (*Telephone*: 103.) M.A.; LL.B. Principal—K. P. Mathur, M.A., Ph.D.; Hds. of Depts.; *Engl.*—Vice-Principal R. N. Mahrotra, M.A., L.T. Luck.; *Econ.*—K. L. Widhani, M.A. Panj.; *Sociol.*—P. N. Tandon, M.A.; *Philos.*—A. C. Bhattacharya, M.A., Ph.D. Ban.; *Hist.*—R. C. Verma, M.A., D.Phil. Alld.; *Polit.*—S. R. Nigam, M.A., Ph.D.; *Hindi*—M. Pratap, M.A. Alld.; *Sansk.*—G. S. Trigunayak, M.A., Ph.D.; *Geog.*—R. M. Mathur, M.A.; *Sociol.*—P. N. Tandon, M.A.; *Milit. Sci.*—Lt. A. Keshab, M.A.; *Law*—K. Sahai, B.Sc., LL.B. Alld.

MUZAFFARNAGAR, *D.A.V. College.* B.Sc.; LL.B. Hds. of Depts.: *Physics*—Principal S. Prasad, M.Sc. Alld.; *Chem.*—B. R. Rao, M.Sc., D.Phil. Alld.; *Maths.*—B. Nand, M.Sc.; *Zool.*—V. P. Agarwal, M.Sc.; *Bot.*—M. P. Kaushik, M.Sc.; *Law*—S. Deo, B.A., LL.B.

MUZAFFARNAGAR, *S.D. College.* (*Telephone*: 173.) B.A. Hds. of Depts.: *Econ.*—Principal D. Singh, M.A., LL.B. Alld.; *Engl.*—O. P. Mathur, M.A.; *Maths.*—T. Raj, M.Sc.; *Sansk.*—K. L. Sharma, B.A. Panj., M.A. Calc., Shastri Ban.; *Hist.* D. Bhanu, M.A.; *Polit. Sci.*—S. K. Sinha, M.A. Luck.; *Hindi*—V. N. Misra, M.A., D.Phil. Alld.

NAINITAL, *Th. Deb Singh Bisht Degree College.* (*Telephone*: 164.) M.A.; M.Sc. Principal—J. G. Sharma, M.A.; Hds. of Depts.: *Physics*—D. D. Pant, D.Sc.; *Bot.*—K. S. Bhargava, M.Sc., D.Phil. Alld., Ph.D. Lond.; *Zool.*—H. S. Chaudhary, M.Sc., D.Phil.; *Engl.*—B. P. Misra, M.A., Ph.D. Dub., H.Dip. Dub.; *Hist.*—I. K. Ganju, M.A., Ph.D.; *Hindi*—H. V. Kochar, M.A.; *Econ.*—S. G. Tewari, M.A., D.Litt.; *Geog.*—M. Yunus, M.A., Ph.D., LL.B.; *Chem.*—O. N. Perti, M.Sc., D.Phil.

ORAI, *Daya Nand Vedic College.* B.A. Hds. of Depts.: *Engl.*—Principal K. Lal Khare, M.A.; *Econ.*—P. N. Varma, M.A.; *Hist.*—K. N. Pande, M.A. Alld.; *Hindi*—D. Nandan, M.A. Luck.; *Polit. Sci.*—H. G. Pant, M.A.

RAMPUR, *Government Raza Degree College.* B.A.; B.Sc. Principal—M. L. Misra, M.A. Hds. of Depts.: *Hist.*—R. C. Vidhyarthi, M.A., L.T. Luck.; *Econ.*—S. B. Kodasi, M.A., B.Com., LL.B. Alld.; *Polit. Sci.*—K. R. Bomhwall, M.A.; *Physics*—A. R. Khan, M.Sc. Alig.; *Chem.*—P. S. Saxena, M.Sc.; *Maths.*—S. P. Mathur, M.A.; *Pers.*—M. Shafiq, M.A. Calc., M.A.; *Geog.*—L. Singh, M.A.; *Hindi*—S. P. Upadhyay, M.A.; *Urdu*—S. N. Naqvi, M.A.

REWA, *Darbar College.* M.A.; M.Sc.; LL.B.; B.Com. Hds. of Depts.: *Engl.*—Principal J. K. Das Gupta, M.A. Calc., Ph.D. Lond.; *Maths.*—O. B. Shukla, M.Sc. Luck.; *Hist.*—A. H. Nizami, M.A. Alig.; *Econ.*—B. R. Behari, L.T. Alld., M.A.; *Hindi*—M. P. Agarwal, M.A. Alld.; *Polit.*—N. P. Nafde, B.T., M.A.; *Sansk.*—C. Malviya, M.A., B.T.; *Philos.*—B. Srivastava, M.A. Alld.; *Urdu*—A. N. Baijal, M.A. Alld.; *Chem.*—S. S. Doosaj, M.Sc.; *Zool.*—G. S. Kapoor, M.Sc.; *Bot.*—S. D. Saxena, M.A., M.Sc., Ph.D. Luck.; *Physics*—R. N. Tandon, M.Sc. Ban.; *Law*—M. C. Bhatia, B.A., LL.B. Panj.

SHAHJAHANPUR, *G.F. College.* (*Telephone*: 12.) B.A.; B.Sc. Hds. of Depts.: *Maths.*—Principal M. R. Kedavai, M.Sc.; *Econ.*—M. Wasi, M.A. Alld.; *Engl.*—M. Y. Rashid, M.A.; *Hindi*—S. Sunder, M.A. Nag.; *Hist. and Polit.*—R. K. Islam, M.A. Luck.; *Urdu and Pers.*—A. S. Khan, B.A.; *Chem.*—Y. H. Rizvi, M.Sc. Alig.; *Physics*—M. B. Navgi, D.Sc.; *Zool.*—I. Huq, M.Sc. Alig.

SHIKOHABAD, *Ahir Kshatriya College.* B.A.; B.Com. Principal—P. N. Kulshreshtha, M.A., D.Phil.; Hds. of Depts.: *Philos.*—M. Singh, M.A. Alld.; *Maths.*—R. Singh, M.Sc. Alld.; *Hindi*—R. L. Vaish, M.A. *Hist. and Polit.*—M. P. Yadava, M.A.

UJJAIN, *Madhava College.* M.A.; M.Sc.; LL.B.; B.Com. Hds. of Depts.: *Engl.*—Principal D. M. Borgaonkar, M.A.; *Hist.*—B. Narain, M.S., LL.B. Alld.; *Hindi*—S. M. Singh, M.A., D.Litt. Ban.; *Drawing*—C. H. Khadilkar; *Hist.*—B. Narayan, M.A., LL.B.; *Econ.*—B. M. Kanekar, M.A. Bom.; *Philos.*—G. R. S. Dugwekar, M.A., LL.B.; *Polit. Sci.*—J. P. Dube, M.A.; *Maths.*—N. Singh, M.Sc.; *Physics*—S. D. Choube, M.Sc.; *Chem.*—R. S. Rewadikar, M.Sc. Bom.; *Comm.*—K. C. Bhandari, M.Com., LL.B.; *Law*—R. S. Vidyarthi, B.A., LL.B.

UNNAO, *Subhas National College.* (*Telephone*: 13.) M.A. Hds. of Depts.: *Hist.*—Principal L. N. Misra, M.A., LL.B. Luck.; *Polit Sci.*—K. D. Tripathi, M.A. Luck.; *Hindi*—N. N. Dikshit, M.A.; *Sansk.*—R. D. Shastri; *Philos.*—T. N. Shukla, M.A. Luck.; *Econ.*—M. C. Saxena, M.A., LL.B.; *Engl.*—S. D. Kher, M.A.

GENERAL INFORMATION

Act VIII of 1926 of the United Provinces Legislature, which received the assent of the Governor-General on Oct. 20, 1926, provided for the establishment of a University "for the purpose of affiliating the colleges associated with the University of Allahabad..." so as to set the latter free to function as a unitary, teaching and residential institution. It empowered the Agra University to affiliate colleges in the Uttar Pradesh, Madhya Bharat, Vindhya Pradesh, Ajmer and Bhopal, except within the limits of the Universities of Allahabad

and Lucknow. To supplement the work in affiliated colleges the University may institute teaching posts at selected centres.

Five categories of persons are eligible, subject to prescribed conditions, for degrees and other academic distinctions : (*a*) candidates who pass the University's examinations after pursuing an approved course at an affiliated college ; (*b*) teachers who pass the University's examinations ; (*c*) inspecting officers in the Department of Education who pass the University's examinations ; (*d*) research workers ; (*e*) women who have carried on private study. Lectures and instruction may be provided by the University for, and diplomas may be granted to, persons other than students of an affiliated college.

The University has decided to start an Institute of Hindi Studies but so far the necessary ordinances have not been passed.

The supreme governing body of the University is the Senate, the other principal authorities being the Executive Council, Academic Council, and Faculties of Arts, Science, Law, Commerce, Agriculture, Engineering, Medicine and Veterinary Science. By the Amendment Act of 1953, the Vice-Chancellor is a whole-time salaried officer appointed by the Chancellor from amongst persons recommended by the Executive Council. He is the principal executive and academic officer.

Students are not eligible for admission to a degree course unless they have passed the Intermediate Examination of the Board of High School and Intermediate Education of the Uttar Pradesh, or of an Indian University incorporated by law, or an equivalent examination.

The Act came into force on July 1, 1927, and all the constituent bodies of the Univ. have been formed. The Univ. held its first examns. in 1928.

The usual languages of instruction are English and Hindi.

INCOME (1952–53). Total income, Rs. 18,52,358 (including Rs. 11,85,403 from examn. fees ; Rs. 76,475 as contributions from State Colleges ; Rs. 76,475 Govt. grant).

LIBRARIES. 27,000 vols. and periodicals in Univ. Research Library. In addition, each of the Affiliated Colleges is required to maintain a sep. library of its own.

FACULTIES AND DEANS. *Agriculture*, B. L. Sethi, M.Sc., Ph.D. ; *Arts*, K. P. Bhatnagar, M.A., LL.B. ; *Commerce*, K. P. Mathur, M.A., Ph.D. ; *Engineering*, A. C. Saigal ; *Law*, Brijendra Swarup, LL.D. ; *Medicine*, ... ; *Science*, C. R. Chaturvedi, M.A., B.Sc. ; *Veterinary Science and Animal Husbandry*, P. G. Pande, M.Sc.

DEGREES. B.A., M.A., Ph.D., D.Litt. ; B.Com., M.Com., Ph.D., D.Litt., LL.B., LL.M. ; B.Sc., M.Sc., Ph.D., D.Sc. ; B.Sc. (Ag.), M.Sc. (Ag.) ; Ph.D., D.Sc. ; M.B., B.S., M.D. and M.S. ; B.V.Sc. and A.H. ; B.T., B.Sc. (Engg.).

COURSES. B.A., B.Sc., 2 yrs. Two examinations—Part I and Part II each at the end of one yr. Candidates must have passed (i) the Intermed. Examn. of the Bd. of High School and Intermed. Educn., U.P., or of the Central Bd. of Secondary Educn., Ajmer, or of the Bd. of Secondary Educn., Madhya Bharat, or of an incorporated Indian Univ. ; or (ii) the Higher School Certif. Examn. conducted by the Syndicate of the Univ. of Cambridge ; or (iii) the pre-medical Examn. of Delhi Univ. ; or (iv) the pre-engineering Examn. of Delhi Polytechnic ; and have attended a regular course of study in an affiliated college. B.T., 1 yr. in affiliated coll., by examn. 1st yr. after graduation. B.Com., 3 yrs. ; 2 examns. (Pt. I and Pt. II). Candidates must have passed (i) the Intermed. Examn. of the Bd. of H. Sch. and Intermed. Educn., U.P., or of an incorporated Indian Univ. ; or (ii) the Commercial Diploma Examn. of Allahabad Univ. or of the Bd. of H. Sch. and Intermed. Educn., U.P. ;

or (iii) the Intermed. Examn. in Commerce of the Bd. of H. Sch. and Intermed. Educn., U.P. or Ajmer, Vindhya Pradesh and Bhopal; or (iv) the Intermed. (Group B—special) Examn. of Delhi Univ. with Regional and Commercial Geog. as optional subject; or (v) the Intermed. Examn. of Andhra Univ. with Economics, Commercial Geography and Accountancy as optional subjects. Candidates who have passed (ii), (iii), (iv), (v) or (vi), the Intermed. Examn. in Commerce of the Nagpur Univ., or (vii), the Intermed. Examn. in Commerce of the Hindu Univ., Banaras, will be exempted from the 1st yr. of the course. LL.B. Graduates in Arts, Commerce, Science, Medicine, Engineering, Veterinary Science or Agric., who complete a regular course of study in a Law Class in an affiliated college for 1 yr., are eligible for admission to the Previous Examn., and after one further yr. to the Final Examn. B.Sc. (Ag.). Two examns.—Pt. I and Pt. II. Candidates must have passed the Intermed. Examn. in Agric. of the Bd. of H. Sch. and Intermed. Educn., U.P., or any other examn. in Agric. recognized by the Univ. as equivalent thereto, and have attended a regular course of study in an affiliated college for two academical yrs. B.Sc. in Pharmaceutical Chemistry. Statutes have been approved, but no college has yet been affiliated for it. M.B., B.S., 5 yrs.' course. B.V.Sc. and A.H., 4 yrs.' course in Veterinary Science and Animal Husbandry. B.Sc. (Engg.), 5 yrs., the 5th devoted entirely to practical training or res. work. *Higher Degrees.* M.A., M.Sc., M.Com. and M.Sc. (Ag.), 2 yrs.' course in an affiliated college. Two examns.—Previous and Final. LL.M., 1 yr.'s course in an affiliated college. One examn.; 2 yrs. after LL.B. Ph.D. Open to Masters after research work for two yrs. and on submission of a thesis. D.Litt., D.Sc. Awarded on basis of an original thesis upon any subject within the Facs. of Arts, Sci., Comm. and Agric. respectively. Open to Ph.D.s or Masters of Arts, Masters of Science, Masters of Commerce and Masters of Agriculture of at least 5 yrs.' standing. M.D., M.S. Awarded on basis of a thesis and an examn. (written and clinical) on a special subject within the Fac. of Medicine. Open to holders of M.B., B.S. of the Univ. after 3 years of practice of medical profession.

SCHOLARSHIPS. 10 res. scholps. of Rs. 75 each p.m., tenable for 1 yr. in an affiliated coll., are open to Master's degree graduates for higher res. work.

NATIONAL CADET CORPS. Several affiliated colls. have N.C.C. units.

PUBLICATIONS. *Calendar* (Nov.; once in 3 yrs.), Rs. 8; *Research Journal* (twice yrly.). Rs. 20 for Science and Rs. 15 for Letters yearly, or on exchange basis.

UNIVERSITY PRESS. Established in 1951 in Univ. premises.

THE YEAR 1952–53

NEW BUILDING. Construcn. of Univ. Library proceeding.

PRINCIPAL CHANGES IN REGULATIONS. B.A., B.Sc. Examinations divided into two parts, of which Pt. I must be passed before Final Examination is taken.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	14,227	4492
Women	423	454
Total	14,650	4946

Postgraduate students, 4176.

New admissions, 15,384.

DEGREES. B.A., 10,233; M.A., 2097; B.T., 400; B.Sc., 2765; M.Sc., 306; LL.B, 993; B.Com., 1771; M.Com., 402; B.Sc. (Ag.), 225; M.Sc. (Ag.), 69; M.B., B.S., 179; B.V.Sc. and A.H., 35; M.D., 20; M.S., 27; Ph.D., 84.

[*Information compiled as at 24/8/54.*]

ALIGARH MUSLIM UNIVERSITY

Founded 1920

Postal Address: Aligarh, Uttar Pradesh, India.
Telephone: Aligarh 73.

VISITOR—THE PRESIDENT OF THE REPUBLIC OF INDIA.

CHIEF RECTOR—H.E. THE GOVERNOR OF UTTAR PRADESH.

CHANCELLOR—HIS HOLINESS MULLA SYEDNA TAHIR SAIFUDDIN SAHIB.

PRO-CHANCELLOR—NAWAB SAIDUL MULK BAHADUR DR. HAFIZ MOHD. AHMAD SAID KHAN SAHEB OF CHATTARI, LL.D.

VICE-CHANCELLOR—ZAKIR HUSAIN, M.A., Ph.D.

PRO-VICE-CHANCELLOR—SYED NURULLAH, B.A , M Ed.

TREASURER—SAHEBRADA SHAHZAD AHMAD KHAN, B.A.

REGISTRAR—SYED MAHMUD HOSAIN, M.A., LL.B.

LIBRARIAN—S. BASHIRUDDIN, M.A., F.L.A.

TEACHING STAFF

Arabic

Aleem, A., Ph.D. Berl., B A. Prof.*

Lecturers

Ahmad, S. M., M.A., B.Litt., D.Phil. Oxon.
Almamoon, M., M.A.
Ahmad, M., M.A., Ph D.
Mustafa, H. G., M.A. Temp.
Sherwani, R. R. K., M.A. Temp.

Botany

Khan, R., M.Sc., Ph.D. Delhi Reader.*

Lecturers

Hasan, A., M.Sc. Alld.
Khan, A. M., Ph.D. Munich, M.Sc.
Ansari, M. S., M.Sc. Luck.
Abbas, A., M.Sc. Alld.
Farooq, M., M.Sc.
Khan, M. R., M.Sc.
Haq, O., M.Sc.
Ali, K., M.Sc. Temp.
Mahmud, K., M.Sc. Temp.
Mahmud, Miss Z., M.Sc. (Women's Coll.)

Chemistry

Farooq, M. O., Ph.D. Alig. and Lond., M Sc., D.I.C. Prof.*
Kidwai, A. R., B.A., M.S. Ill., Ph.D. Corn. (Biochem.) Reader.

Lecturers

Rahman, S. F., M.Sc.
Hasan, H., M.Sc.
Husain, I., M.Sc.
Rahman, A., M.Sc. (on leave).
Malik, W., M.Sc., Ph.D. Agra
Qureshi, M. M., M.Sc.
Rahman, A., M.Sc.
Osman, M., M.Sc.
Surti, A., M.Sc.
Gupta, G. S., M.Sc.
Minhaj, Miss F., M.Sc. (Women's Coll.) (on leave).

* Chairman of Dept.

Pal, Miss S. R., M.Sc. (Women's Coll.).

Commerce

Shafi, S. M., B.Sc. (Econ.) Lond., B.A. Reader.*

Lecturers

Farooquee, Q. H., M.A., B.Com. Luck.
Rizvi, F. H., M.A., M.Com.
Ismail, M., B A., LL B.
Hafizuddin, M., M.A., M.Com.

Economics

Mukerji, D. P., M.A. Calc. Prof.*
Khan, M. S , M.A. Reader.

Lecturers

Salim, A., M.A.
Banerji, P. C., M.A , D.Phil.
Haseeb, A., M.A., LL.B.
Siddiqi, E. R., M.A.
Siddiqi, A. A., M.A.
Qayum, A., M.A.
Raz, M. A., M.A.
Joseph, Miss A., M.A., L.T. (Women's Coll.)
Thomas, Miss A., M.A. (Women's Coll.)

Education

Rahman, H., M.A. Birm., M.A , L.T. Prof.*
Mujib, A , M.Sc., M.Ed., Ph.D. Col., M.Sc Reader.
Husain, I., M.A. Leeds, B.A., Dip.Ed. Leeds Lectr.
Zaidi, Q. H., M.A., M.Sc., B.T. Lectr.
Khan, M. H., M.A., B.T., M.Ed. Patna Lectr.
Ansari, A., M.A., B.T. Lectr.
Zaidi, Miss Sabira K., M.A. Ed. Col., M.A., B.T. Lectr.
Asthana, B. C., B.Ed. Edin., Dip.Ed., C.T. Brist. Lectr.
Bahadur, B., M.Ed. Patna Lectr.
Sultan, Miss Safia, B.A., B.T. M.Ed. Supervisor.
..... Supervisor.
Husain, S (Art) Lectr.
Abid, M., Dip.Phys.Edu. Luck. (Phys. Educn.) Instr.

Engineering, v. *infra*

English

Bose, A., M.A. Dacca, D.Phil. Oxon. Reader.*
Ali, M. H., M.A. Reader.
Khan, B. A., M.A. Reader.

Lecturers

Khan, S., M.A.
Ansari, A. A., M.A.
Hasan, M., M.A.
Ahmad, M.
Rahman, A.
Zaki, J., M.A.
Jafri, A. R., M.A.
Govil, O. P., M.A , Ph D Temp.
Bilgrami, Miss R. F. (Women's Coll.)
Zaidi, Miss Z., M.A. (Women's Coll)
Khan, Miss R., M.A (Women's Coll.)

Geography

Rizvi, S M. T., B.A , Ph.D. Lond., M.A., LL.B. Reader.*
Ali, S. M., M.A., M.Sc., Ph.D. Lond. Reader.

Lecturers

Ahmad, M., M.Sc.
Zaidi, R. H., M.Sc.
Rafiullah, M.A.
Shafi, M., M.A.
Anas, M., M.A.
Raza, M. S. M., M.Sc. (on leave)
Quidwai, Mrs. S. W., M.A. (Women's Coll.)

Geology

Gauju, P. N., M.Sc., Ph.D. Reader.*

* Chairman of Dept.

Lecturers
Rasul, H., M.Sc. Calc.
Ali, B., M.Sc. Calc.
Ahmad, N., M.Sc. Patna.
Srivastava, V. K.

Hindi and Sanskrit
Sharma, H. L., M.A., Ph.D. Reader.*
Lecturers
Shukla, G. N., M.A., B.T. Ban.
Rehman, H., Shastri.
Sharma, S. S., M.A., B.T.
Singh, V. P., M.A.
Sharma, Mrs. B., M.A. (Women's Coll.)

History
Rashid, S. A., M.A., LL.B. Prof.*
Hasan, S. N., M.A. Alld., D.Phil. Oxon, F.R.Hist.S. Prof
Readers
Nizami, K. A., M.A., LL.B. Agra
Chandra, S., M.A., D.Phil.
Lecturers
Kureishy, A. W., M.A., LL.B.
Mustafa, K., M.A. Alld
Habib, I. M., M.A.
Malik, Z., M.A.
Zaheer, Miss A., B.A. Oxon., M.A.
Shakoor, Miss A., M.A. (Women's Coll.)
Masooda, Miss K. F., M.A., (Women's Coll.)

Law
Rahman, H., B.A., LL.B. Reader.*
Lecturers
Khwaja, M. I., B.A., LL.B. Pt.-time.
Dayal, S., B.Sc., LL.M.
Rashiduzzafar, M.A., LL.B.

Mathematics
Shah, S. M., M.A., Ph.D. Lond. Prof.*
Siddiqi, J. A., M.A., D.Phil. Alld. Reader.
Lecturers
Siddiqi, O. A., M.Sc.
Gupta, H. C., M.Sc., Ph.D.
Ozair, M., L.T. Alld., M.Sc.
Rizvi, A. K., M.A.
Omar, S., M.Sc.
Husain, A., M.A.
Kokan, A. R., M.A. Madr.
Khan, N. A., M.A. Temp.
Rahman, Q. I., M.A. Temp.
Sammuel, Miss R., M.A. (Women's Coll.)

Military Science
Lecturers
Ali, S. M., M.A., M.Sc., Ph.D. Lond.
Khan, M. A. B., M.Sc., Ph.D., D.Sc
Hasan, H., M.Sc
Qureshy, A. W., M.A., LL.B.

Persian
Hasan, S. H., B.A. Camb., Ph.D. Lond. Prof.*
Ahmad, Z.-I., M.A. Reader.
Lecturers
Israili, S.
Hadi, N.
Fakhruzzaman, Mrs. U., M.A. (Women's Coll.)

Philosophy and Psychology
Umaruddin, M., M.A. Calc., M.A., B.T. Reader.*
Lecturers
Siddiqi, Z. A., M.A.
Hasan, I., M.A., Ph.D.
Nami, Y. B., M.A.
Moghni, S. M., M.A., LL.B. (on study leave).
Chowdhury, K. R., M.Sc. Calc.
Beg, A. M., M.A.

* Chairman of Dept.

Khawaja, A. J. Y., B.A. Camb., M.A., LL.B.
Qadri, A. J. Temp.

Physics

Gill, P. S., M.S. S. Calif., Ph.D. Chic., F.N.I., F.R.S.A. Prof.*
Ali, S. N., M.Sc., Ph.D. Reader.
Gupta, S., M.Sc. Calc. (Theoret. P.) Reader.

Lecturers

Ahmad, R., M.Sc. Calc., M S.E. Prin.
Haq, E., M.Sc.
Ali, S. A., M.Sc.
Khan, M. A. B., M.Sc.
Mohammad, F., M.Sc.
Khan, A. A., M.Sc.
Sarcar, D. C., M.Sc.
Bhanot, V. B., M.Sc.
Shafi, M., M.Sc.
Singh, M. P., M.Sc.
Dheer, Mrs. J. D., M.Sc. (Women's Coll.)

Political Science

Habib, M., B.A. Oxon. Prof.*
Sultan, C. M., M.A. Luck. Reader.

Lecturers

Haqqi, A. H., B.A. Luck., M.A., Ph.D., LL.B.
Ali, S. N., M.A., LL.B.
Qidwai, M. H., M.A. Luck.
Matinuzzuman, M.
Bilgrami, S. A. H., M.A.
Afzaluddin, Miss A., M.A., LL.B. (Women's Coll.)
Schgal, Miss N., M.A. (Women's Coll.)

Urdu

Siddiqi, R. A., M.A. Prof.*

Lecturers

Khan, M. H., M.A., Ph.D., D.Litt. Paris.
Ozair, M., M.A., Ph D.
Alvi, Z., M.A., LL.B.
Islam, K., M.A., Ph D.
Jazbi, M. A., M.A.
Rahman, K., M.A. Temp.
Siddiqui, Z. A., M.A. Temp.
Sultana, Miss S. S, M.A., B.T. (Women's Coll.)
Zahoor, Miss M, M.A (Women's Coll.)

Zoology

Mirza, M. B., Dr.Phil.nat. Frankfurt, B.Sc. Bom. Prof.*
Khan, M. A. B., Ph.D. McG., M.Sc., Ph.D. Reader.

Lecturers

Alam, S. M, M.Sc, Ph.D. (on leave)
Aziz, S. A, M.Sc. (on leave)
Farooqi, M. M., M.Sc.
Khan, N. H., M.Sc., Ph.D.
Qasim, Z., M.Sc.
Ahmed, M, M.Sc.
Siddiqi, A. H., M.Sc. Temp.
Adhami, O. M., M.Sc. Temp.
Abedin, Z., M.Sc. Temp.

Medicine

Leber, Prof. A., Dr.med. Heidel. Dean.*

Ophthalmology

Leber, A., Dr.med. Heidel. Prof.
Hameed, S., M.B., B.S. Lectr.

Part-time Lecturers

Singh, M., M.B., M.S. (Ophthalmology).
Shukla, B. R., B.Sc., M.B., M.S. D.O.M.S. Lond. (Ophthalmology).
Hamida, Miss S., M.B., M.S.

Unani Tib and Surgery

Latif, H. A. Reader.*

Lecturers

Ansari, I. H., M.B., B.S. Bom., B.Sc.

* Chairman of Dept.

Rahman, M. S., M.B., B.S. Bom.
Khan, J. A., M.B., B.S. Calc.
Lal, S. B., M.B , B S.
Khan, H. M. R.
Ain, H. N.
Zahiruddin Khan, H. M.
Khan, H. Z. A.
Nasrullah Khan, M., B.A., B.T.
Haq, M. W.

Demonstrators

Husain, K. U. (Anat.).
Khan, A. Q. (Pathol.
..... (Physiol.).

Science Teacher
Samad, M. A.

Theology

Shia Theology

Kamoonpuri, Dr. M. H. (Nazim Theol.) Lectr.
Abbas Sahib, M. S. M. Z.

Sunni Theology

Hafeezullah Sahib, M. M. (Nazim Theol.). Lectr.
Ahmad Sahib, Q. M. Lectr.

College of Engineering and Technology

Civil Engineering

Chakko, K. C., D.Sc. (Eng.) Lond., B.A. Prof.*
Chowdiah, A. M., M.Sc. (Eng.) Mich. State Reader.

Lecturers

Ansari, M. Y., B.Sc. (Eng.).
Bari, S. J., B.Sc. (Eng.).
Sulaiman, K. M., B.Sc. (Eng.).
Ahmad, S. N., B.Sc. (Eng.).

Demonstrators

Kazmi, J. A., Dip. Civil Engin. Roor.
Siddiqui, S. H.

Electrical Engineering

Saha, N. C., B.Sc. Glas., M.Sc., Ph.D. Manc. Prof.*
Durrani, U., B.Sc. Reader.
..... Reader.

Lecturers

Bhattacharjee, S. C., B.Sc. Calc., B.Sc. (Eng.) Ban.
Huda, N., M.Sc. Dacca.
Abbas, S. A., B.Sc., B.Sc. (Eng.).
Varshney, B. G., B.Sc. (Eng.).
Nasiruddin, B.Sc. (Eng.) Calif.

Demonstrators

Rasheeduddin.
Sherwani, M. Y. K.
Gupta, H. C., Dip.Eng. Calc.

Mechanical Engineering

Dey, N. C., M.Sc. Calc., B.Sc. (Eng.) Lond. Prof.*
Narasinham, D. V., B.Sc. Ban. and Durh. Reader.

Lecturers

Husain, A., B.Sc., B.Sc. (Eng.).
Mustajabuddin, B.Sc. (Eng.).
Munir, J. A., B.Sc. Eng.
.....

Demonstrators

Qureshi, A.
Mukerjee, D. C., M.E.E. Roor.
.....
.....

General

Khan, A. H. Workshop Supt.

Lecturers

Manohar, R., M.Sc. (Maths.).
Ahmad, N., M.Sc. (Maths.).
Singhal, J. P., M.Sc. (Science).
Ali, S. A. Drawing Teacher.

* Chairman of Dept.

UNIVERSITY POLYTECHNIC

Civil Engineering

Lecturers

Hasan, A. A. Z.
Bahauddin, K. M.
Husain, S. M.

Electrical Engineering

Lecturers

Huda, N.
Alhashmi, H. A.
Siddiqi, M. U.
Mathur, S. G. P.
Ansari, S. A. Demr.

Mechanical Engineering

Lecturers

Bey, G.
Hasan, S. N.

General

Lecturers

Naqvi, T. H.
Saxena, B. S.
Ahmad, M
Naqvi, N. R., Dipl. in Civil Engin. Drawing Teacher.

ADMINISTRATIVE AND OTHER STAFF

DEANS OF FACULTIES. *Arts*, Prof. M. Habib ; *Science*, Dr. M. B. Mirza ; *Engin. and Technol.*, Prof. K. C. Chakko ; *Med.*, Dr. A. Leber ; *Theol.*, Dr. Z. Husain.

PROVOSTS. SS. Hall, Sh. A. Rashid ; V.M. Hall, Dr. S. N. Hasan ; Aftab Hall, Dr. S. M. Ali ; S.S.E. Hall, Dr. M A. B. Khan ; Women's Hall, Mrs. M. J. Haider.

PROCTOR. S. M. Shafi.

PRINCIPALS AND DIRECTORS OF INSTITUTES. Women's College, Mrs. M. J. Haider ; Tibbiya College, A. Latif ; College of Engineering and Technology, Prof. K. C. Chakko ; Inst. of Islamic Studies, Prof. A. Aleem ; Inst. of Ophthalmology, Dr. A. Leber.

MEDICAL OFFICER. Capt. H. Rahman.

GENERAL INFORMATION

Founded in 1875 by the late Sir Syed Ahmad Khan as the Mohammedan Anglo-Oriental College, the University received its first Charter in 1920. By the Act of 1951 the constitution of the University was amended to bring it into conformity with recommendations of the University Commission and the constitution of the Indian Republic. The M.A.O. College was founded with the object of imparting to the Muslim youth a modern scientific education. The University brings together students and scholars from different parts of the country with different religious, linguistic and cultural backgrounds.

The medium of instruction is English.

CONSTITUTION. The main authorities of the Univ. are the Court, the Executive Council, the Academic Council, the Facs. and the Depts. of Studies. All teaching staff in the Depts. are members of the respective Depts. of Studies. On the Fac. are represented all Profs. in the Fac. and one Reader and one Lectr. from each Dept. of Studies assigned to it ; there are also senior teachers and learned men from outside the Univ. The Academic Council consists of all Hds. of Depts. of Studies and a few other members. These bodies deal with the academic side of the Univ. The Executive Council, on which senior members of the teaching staff are represented, deals with the executive side. The Court is a larger body containing representatives of interests outside the

Univ. It meets once or twice a year and is the supreme governing body of the Univ.

LIBRARIES. Central Library: 89,565 vols. Departmental Libraries: Philos., 1200 vols.; Maths., 3000; English, 2000; Geog., 3000; Econ., 2000; Phys., 3000; Chem., 3000; Bot., 2500; Zool., 2000; Hist., 1900; Educn., 3000; Commerce, 700; Military Sc., 100; Persian, 550; Arabic, 450; Urdu, 2000; Sanskrit, 500; Engin., 4000.

FACULTIES. Arts, Engineering and Technology, Medicine, Science, Theology. (For Deans *see* "Administrative and other Staff," p. 1238.)

COURSES. For students who have passed the High School or Matricn. Examn. of an Indian Univ., 2-yr. Inter. course in Arts or Sci., 2-yr. Inter. course in Comm. For students who have passed the Inter. examn. of an Indian Univ., 2-yr. course for B.A. or B.Sc. Ord. or B.Com. and 3 yrs. for B.A. or B.Sc. with Hons. One yr. for Teaching Certif. Courses leading to M.A., M.Sc., M.Ed., LL.B., B.Ed. (Bachelor of Education), B.Th. (Bachelor of Theology), B.Sc. in Civil, Elect. and Mech. Engin., Bachelor in Unani Tib and Surg. and Ph.D. degrees are also provided.

Women students are admitted to M.A. classes in certain subjects in addition to B.A., B.T. and M.Ed. classes, and arrangements have been made for their instruction under strict purdah.

DIPLOMAS, ETC. Dipl.Engg.; Inter. (Arts); Inter. (Sci.); Inter. (Comm.); High Sch.; Postgrad. dipl. in Ophthalmic Med. and Surg.; Dipl. in Foreign Affairs.

FEES. *Tuition*: Inter. (Arts, Sci., Comm.), Rs. 9 p.m.; B.A., B.Sc., B.Ed. or B.Com., Rs. 12 p.m.; M.A., M.Sc., LL.B. or M.Ed., Rs. 15 p.m.; M.A. and LL.B. (combined), Rs. 22 p.m.; Ph.D. (Arts or Sci.), Rs. 20 p.m.; B.Sc.Engg., Rs. 30 p.m.; Dip.Engg., Rs. 10 p.m.; B.U.M.S. (Tibbia), Rs. 15 p.m.; Dipl. in Ophthalmol., Rs. 25 p.m.; Dipl. in Foreign Affairs, Rs. 50 p.a. No tuition fee in Fac. of Theol.

Examination: High Sch., Rs. 20; Inter. Pt. I, Rs. 5; Inter. Pt. II, Rs. 30; B.A., or B.Sc. Pt. I (one subject), Rs. 4; B.A., or B.Sc. Pt. I (more than one subject), Rs. 7; B.A., or B.Sc. Pt. II, Rs. 40; B.Com. (Previous), Rs. 20; B.Com. (Final), Rs. 25; M.A. or M.Sc. (Previous), Rs. 25; M.A. or M.Sc. (Final), Rs. 35; LL.B. (Previous), Rs. 25; LL.B. (Final), Rs. 40; LL.M., Rs. 150; B.Ed., Rs. 30; M.Ed., Rs. 35; Ph.D. or LL.D., Rs. 100; B.Sc. (Engineering) I & II Yr., Rs. 25; B.Sc. (Engineering) III Yr., Rs. 35; Diploma (Engineering) I Yr., Rs. 15; Diploma (Engineering) II Yr., Rs. 20; Diploma (Engineering) III Yr., Rs. 25; B.U.M.S. (Tibbia) I Professional, Rs. 10; B.U.M.S. (Tibbia) II Professional, Rs. 15; B.U.M.S. (Tibbia) III Professional, Rs. 14; Diploma in Ophthalmol., Rs. 100; Diploma in Foreign Affairs, Rs. 17; Diploma in Foreign Affairs (Proficiency test), Rs. 10.

PUBLICATIONS. *Calendar* (quinquennial, free); *Prospectus* (annual, free); *University Magazine* (English and Urdu); *M.U. Gazette.*

THE YEAR 1952–53

STUDENT NUMBERS. Total, 4457.

DEGREES (1952). M.A., 120; B.A., 126; B.Com., 25; B.Ed., 55; M.Ed., 16; LL.B., 93; M.Sc., 66; B.Sc. (Hons.), 1; B.Sc. (Pass), 137; B.U.T.S., 7; B.Sc. (Engg.), Electr., Mech. and Civil, 101.

DIPLOMAS. Dipl. Engg., Electr., Mech. and Civil, 30.

[*Information compiled as at* 3/8/54.]

UNIVERSITY OF ALLAHABAD*

Founded 1887

Postal Address: Allahabad 2, Uttar Pradesh, India.
Telephone: Allahabad 2219.

CHANCELLOR—K. M. MUNSHI.

VICE-CHANCELLOR—Professor A. C. BANERJI, M.A., M.Sc., F.R.A.S.

TREASURER—K. L. MISRA, M.A., LL.B.

REGISTRAR—K. L. GOVIL, M.A.

ASSISTANT REGISTRAR (ADMIN.)—I. D. CALEB, M.Sc., D.Phil

ASSISTANT REGISTRAR (ACCOUNTS)—K. P. MOHILEY, M.A.

PROCTOR—Lt.-Col. S. G. TEWARI, M.A.

LIBRARIAN—Professor B. P. SAKSENA, M.A., Ph.D.

TEACHING STAFF

Arabic and Persian

..... Prof.
Hasan, S., M.A., D.Litt. Reader.

Botany

Ranjan, S., D.Sc. Prof.

Readers

Saksena, R. K., D.Sc.
Srivastava, G. D., M.Sc.
Tandon, R. N., M.Sc., Ph.D. Lond.
Naithani, S. P., M.Sc., Ph.D. Lond.
Mittra, A. K., M.Sc., Ph.D. Lond.

Chemistry

Ghosh, S., D.Sc. Prof.

Readers

Taimni, I. K., M.Sc., Ph.D.
Mehrotra, M. R., M.Sc.
Tewari, J. D., D.Sc.
Kaul, Major R. K., M.Sc.
Prakash, S., D.Sc.

Chinese

..... Lectr.

Commerce

Ghosh, M. K., M.A., B.Com. Lond. Prof.
Agrawala, A. N., M.A., B.Com. Reader.
Elhance, D. N., M.Com. Reader.

Economics

Mehta, J. K., M.A. Prof.

Readers

Jain, P. C., M.A., M.Sc.
Dubey, D. S., M.A., LL.B.
Thomas, Mrs. M. M., M.A.

Education

Naidu, P. S., M.A. Reader.

English

Deb, S. C., M.A. Prof.
Dustoor, P. E., M.A., D.Litt. Assoc. Prof.

Readers

Mehrotra, K. K., M.A., B.Litt. Oxon.
Gupta, L. D., M.A.

* Member of the Association of Universities of the British Commonwealth.

Simlai, B., M.A.
Sahai, R., M.A.

French and German

Benoit, F. Lectr.
Mittra, A. K., B.A., D. de l'U. Paris Lectr.

Geography

Dubey, R. N., M.A., D.Litt. Paris Prof.
Khan, M. N., M.A., D Phil. Reader.

Hindi

Varma, D., M.A., D Litt. Prof.

Readers

Varma, R. K., M.A., D.Phil.
Gupta, M. P., D Phil.
Tripathi, C., M.A.

History

Saksena, B. P., M A., Ph.D. Prof.

Readers

Bhatnagar, O. P., M.A.
Sharma, G. R., M.A.
Mittra, S. K., M.A.

Law

Bhattacharya, K. K., M.A., LL.M. Lond. Prof.

Readers

Sastry, K. R. R., M.A., M.L. Madr.
Sapru, T. N., B.A., LL.B.

Mathematics

Srivastava, P. L., M.A., D.Phil. Oxon. Prof.

Readers

Prasad, G., D.Sc. Edin.
Prasad, B. N., Ph.D., D.Sc. Paris.
Mohan, P., M.Sc.
Choudhuri, R. N., B.Sc.

Military Science

Tewari, Lt.-Col. S. G., M.A. Reader.

Music

Kochak, U. S., M.Sc. Lectr.

Philosophy

..... Prof.
Kaul, R. N., M.A. Reader.

Physics

Banerji, K., D.Sc. Prof.
Deodhar, G. B., D.Sc. Offg. Prof.
Majumdar, K., D.Sc. Reader.
Das, B. C., M.Sc. Reader.

Political Science

..... Prof.
Lal, A. B., M.A. Reader.

Russian

Sen-Gupta, S. C., M.Sc. Lectr.

Sanskrit

Saksena, B. R., M.A., D.Litt. Prof.
Chattopadhya, K., M.A. Reader.
Mishra, U., M.A., D.Litt. Reader.

Urdu

Ali, S. M. Z., M.A. Prof
Husain, S. A., M.A., D.Litt. Reader.

Zoology

Mehra, H. R., Ph.D. Camb. Prof.

Readers

Datta, S. K., D.Sc.
Srivastava, M. D. L., D.Sc.

ADMINISTRATIVE AND OTHER STAFF

Supt. of Physical Educn.: H. K. Mukerji. Sr. Medical Officer: P. G. Ghosh, M.B., B.S. Jr. Medical Officer: R. Chandra, M.B., B.S. Chairman of Delegacy: S. Prakash, D.Sc. Sec., Student Advisory Cttee.: O. P. Bhatnagar, M.A.

COLLEGES OF THE UNIVERSITY

ALLAHABAD, *Allahabad Agricultural Institute*, Naini. (*Telephone*: Allahabad 2420.) B.Sc. (Ag.); B.Sc. (Ag. Engg.). Principal—H. S. Azariah, M.A. 22 teachers.

ALLAHABAD, *Chaudhury Mahadeo Prasad Degree College*. B.Sc. Principal—R. K. Sur, M.Sc. 17 teachers.

ALLAHABAD, *Ewing Christian College*. (*Telephone*: Allahabad 2626.) B.Sc. Principal—S. S. Gideon, M.A., Ed.D. Col. 14 teachers.

ALLAHABAD, *Kayastha Pathsala University College*. B.A. Principal—R. K. Saksena, D.Sc. Paris. 11 tutors.

ALLAHABAD, *Madan Mohan Malaviya College*. B.A. Hon. Principal—P. N. Sapru, M.A., LL.B. 11 tutors.

ALLAHABAD, *William Holland University College* (American Presbyterian Mission). B.A. Principal—C. M. Chatterji, M.A., Ph.D. Penn. 7 tutors.

GENERAL INFORMATION

Founded in 1887, the Univ. concerned itself mainly with examinations, having no teaching staff (except that of its School of Law) until 1914. Thereafter it established Chairs and Readerships, etc., for research work in Economics and Modern History for graduate students. In Jan. 1922 was passed an Act (which came into operation in July 1922) for the reorganization of the Univ. as a unitary, teaching and residential institution, with control, however, over the quality and character of the teaching in "Associated" colleges. The Muir Central College became the nucleus of a teaching University, the jurisdiction of which was limited to a territorial area of ten miles' radius from the Convocation Hall of the Univ. Within this area there are six institutions which supplement instruction given in the Univ. The Women's Dept., which undertakes full instruction for the degree course, has now been transferred from the Crosthwaite Girls' College to the Univ. area. From 1922, the Agricultural Institute, Naini, was recognized as a Coll. for the B.Sc. degree in Agriculture. From 1950, the C.M.P. Degree Coll. and the Ewing Christian Coll. were recognized as colls. for B.Sc. classes.

LIBRARY, 157,625 vols. Darbhanga Reading Hall. There are also departmental libraries for the use of teachers. A LABORATORY is attached to each of the Depts. of Physics, Chem., Bot., Zool. MUSEUMS in connexion with Econ. and Com. Depts. ART COLLECTION: A beginning has been made with a project for an Art Gallery. D. N. Bonarjee of Gola Gokarnnath and others have presented valuable paintings.

English is the usual language of instruction. From July 1951, however, as an optional and experimental measure, Hindi has been introduced in some of the undergrad. classes.

FACULTIES AND DEANS. *Arts*, Prof. B. R. Saksena; *Commerce*, Prof. M. K. Ghosh; *Law*, Prof. K. K. Bhattacharya; *Science*, Prof. S. Ranjan.

DEGREES. B.A., B.A. (Home Arts), M.A., D.Phil., D.Litt., M.Ed., B.Sc., B.Sc. (Home Sciences), B.Sc. (Ag.), B.Sc. (Ag. Engg.), M.Sc., D.Phil., D.Sc.; LL.B., LL.M., LL.D.; D.Litt. (Econ.); B.Com., M.Com.

The courses of study for Bachelor's degrees cover 2 yrs., following examn. of "Intermediate" standard, equivalent to examn. for Overseas Higher School

Certif. awarded by the Univ. of Cambridge Local Examns. Syndicate. Inter. examns. of other Univs. incorporated by law in India and Inter. examns. of Mysore Univ., of Bd. of High Sch. and Inter. Educn., Rajputana (incl. Ajmer-Merwara, Central India and Gwalior), are recognized for same purpose. Inter. Examn. in Agric. of Nagpur Univ. so recognized for admission to the B.Sc. Agric. Class, and Prelim. Examn. of Mayo College, Ajmer, recognized as equivalent to Inter. Examn. of U.P. Board. Grads. in Agric. are eligible for admission to Law Classes.

For admission to courses leading to higher degrees the B.A. and B.Sc. degrees of Mysore University, or of any Univ. in India recognized by the law of the place in which it is situated, are recognized.

DIPLOMAS. 1 yr.—Appl. Arts and Crafts; Music; Painting. 2 yrs.—Local Self-Government Administration.

CERTIFICATES. 1 yr.—Photography; Social Service and Village Uplift. 2 yrs.—Sanskrit; French; German; Russian; Chinese.

STUDENT RESIDENCES. Hostels under the control of the Univ.: Sir Pramada Charan Banerji Hostel (accommodates 168 students), Warden—Sri Ranjan, D.Sc.; Sir Sunder Lal Hostel (167 students), Warden—Prof. M. K. Ghosh, M.A., B.Com.; Dr. Amaranatha Jha Hostel (110 students), Warden—K. K. Mehrotra, M.A., B.Litt.; Sir Ganganatha Jha Hostel (184 students), Warden—Prof. A. C. Banerji, M.A., M.Sc.; Diamond Jubilee Hostel (142 students), Warden—D. Varma, M.A., D.Litt.; Sarojini Naidu (Women's) Hostel (125 women students), Supt.—Miss C. Tripathi, M.A. (*Telephone*: 2362).

Hostels and Colleges recognized by the Univ.: William Holland Univ. Coll. (204 students), Principal—C. M. Chatterji, M.A., Ph.D.; Kayastha Pathshala Univ. Coll. (155 students), Principal—R. K. Saksena, D.Sc.; Madan Mohan Malaviya Coll. (315 students), Hon. Principal—P. N. Sapru, M.A., LL.B.; Mohammedan Boarding House (79 students), Warden—M. G. Z. Ahmad, M.A., Ph.D.; Sumerchand Digambar Jain Hostel (60 students), Warden—Rekhab Das Jain, B.A., LL.B.; Ewing Christian Coll. (227 students), Principal—S. S. Gideon, M.A., Ed.B.; Chaudhury M.P. Degree Coll. (214 students), Principal—R. K. Sur, M.Sc.; Iswar Saran Univ. Hostel (44 students), Warden—G. Mehrotra, M.A., LL.B. Allahabad Agric. Inst., Naini (274 students), Principal—H. S. Azariah, M.A. Fees: Single room, Rs. 10; Double, Rs. 8·8; Triple, Rs. 7.

WOMEN'S EDUCATION. Women students reading for the B.A. degree are given lectures and tuition separate from men in the Women's Dept. (19 women lectrs.) At present there are no such arrangements for postgrad. or sci. students. B.A. (Home Arts) and B.Sc. (Home Sciences) courses for women began in 1948.

PUBLICATIONS. (*a*) Annual.—*Calendar*, Rs. 8; *Prospectus*, Rs. 3.8; *University Minutes*, Rs. 5; *University Studies*, Zoology Rs. 6.12, Sanskrit, Rs. 0. 10. 6, Language, Rs. 0. 14. 0, Arabic and Persian, Rs. 3. 2. 6, Economics, Rs. 1. 12. 0, History, Rs. 0. 14. 0, English, Rs. 0. 13. 0, Law, Rs. 0. 10. 6. *Annual Report*, free. (*b*) Quarterly—*Indian Journal of Economics*, Rs. 15 p.a. (*c*) *University Magazine* (English 3 issues, Hindi 1, Urdu 1), Rs. 2.8

THE YEAR 1952–53

BENEFACTIONS. Rs. 46,799.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	5559	..
Women	640	..
Total	6199*	..

DEGREES. B.A. (Pass), 956; M.A., 433; D.Phil., 33; B.Com. (Pt. II), 141; M.Com., 75; LL.B., 294; B.Sc. (Pass), 283; M.Sc., 137; B.Sc. (Agr.), 58; B.Sc. (Agr. Engg.), 18; M.Ed., 32; B.A. (Home Arts), 1; B.Sc. (Home Sciences), 4; LL.M., 1; D.Litt., 2.

* Excluding 655 students attending Certif. classes.

[*Information compiled as at* 9/7/54.]

ANDHRA UNIVERSITY*

Founded 1926

Postal Address: Waltair, Andhra State, South India.
Telegrams: University, Waltair.
Telephone: Waltair 8.

CHANCELLOR—H.E. SHRI CHANDULAL MADHAVLAL TRIVEDI.

PRO-CHANCELLOR—B. GOPALA REDDI.

VICE-CHANCELLOR—V. S. KRISHNA, B.A. Oxon., Ph.D. Vienna.

REGISTRAR—K. V. GOPALASWAMY, M.A. Oxon.

DEPUTY REGISTRAR—V. SIMHADRI RAO, M.A.

UNIVERSITY ORATORS—English, Professor K. R. SRINIVASA IYENGAR, M.A., D Litt.; Telugu, M. R. APPARAO BAHADUR, M.A.

HON. LEGAL ADVISER—L. SUBBA RAU, B.A., B.L., Hon. D.Litt.

PRINCIPAL OF THE UNIVERSITY COLLEGES—Professor K. RANGADHAMA RAO, M.A., D.Sc. Madr. and Lond.

LIBRARIAN—A. RAMAKRISHNA RAO, B.A., F.L.A.

TEACHING STAFF

UNIVERSITY COLLEGE OF ARTS AND COMMERCE

Commerce

Das, K. K., B.Com. Lond. Hd. of Dept. and Prof.
Datta, H. K., M.A (Com.) Reader.
Ramanadham, V. V., M.Com., Ph.D. Lond. Reader.
Seetharamayya, M., M.A. (Com.) Lectr.
Hanumantha Rao, K. S., B.Com. Lectr.
Rao, C. P., F.C.A. Pt.-time Lectr.
Reddi, G. S. (Hindi) Pandit.

Economics and Sociology

Gopal, M. H., M.A., Ph.D. Lond. Hd. of Dept. and Prof.
Sarveswara Rao, B., M.A. Reader.
Jagannadham, V., M.A., M.Litt., B.L. Lectr.
Subrahrmanya Sastry, K. V., B.A. Lectr.
Ramana, D. V., B.A. Lectr.
Balakrishna Rao, K., B.A.

English

Srinivasa Iyengar, K. R., M.A., D. Litt. Hd. of Dept. and Prof.
Muthuswamy, B., B.A. Reader.
Viswanadham, K., M.A. Reader.
Raghavacharyulu, D. V. K., B.A. Lectr.
Ila Sen, Miss, B.A. Lectr.

* Member of the Association of Universities of the British Commonwealth.

Indusekhara Sastry, M., B.A. Lectr.

French and German

Krishnamachari, S. T., B.A , B.L., C.P.F. Paris, D.L.A. Berl Hd. of Dept. of Mod. European Langs. (other than Engl.) and Reader.

History and Politics

Venket Rao, G., M.A., LL.B. Hd. of Dept. and Prof.
Srinivasan, N., M.A , B Sc (Econ.) Lond. Prof.
Ramachandriah, O., M.A., Ph D. Reader.
Sambasiva Rao, K., B.A. Lectr.

Mathematics

Ramaswamy, V., B.A., Ph.D. Camb. Hd. of Dept. and Prof
Lakshmanamurty, M., M.A. Reader.
Subrahmanyam, N. V., B.A. Lectr.
Ramamohana Rao, C., B A. Lectr.
Chithambaraswamy, J., B.A. Lectr.

Philosophy

Lakshmana Rao, A., B.A. Lectr.
Satchidanandamurty, K., B.A. Lectr.
Ramakrishna Rao, K., B.A Lectr.

Sanskrit

Krishnamurty, B , B.A. Lectr.
Shodangi Madhusudhan, Vidya Praveena Pandit.

Statistics

Nagabhushanam, K., M.A., Fil. Lic., D.Fil. Hd. of Dept. and Prof.
Narasimham, N. V. A., B.A. Lectr.
Avadhani, T. V., B.A. Lectr.
Krishnamurty, V., M.Sc. Lectr.
Dasaradharama Rao, K , M.Sc. Comp. Asst.

Telugu

Somayaji, G. J., M.A., L.T., Vidvan, P.O.L. Hd. of Dept. and Prof.
Narasimham, K. V. R., M.A., Ph D. Lectr.
Krishnamurty, B., M A. Lectr.
Sastri, D. V., Vidvan Pandit.

Jeypore Vikrama Deo College of Science and Technology

Applied Physics

Krishnaswami Chetti, S. T., M.A. Reader, Hd. of Dept.
Yerrayya Pantulu, V., M.Sc. Lectr.
Kameswara Rao, T. V., M.Sc. Lectr.

Chemistry

Gopala Rao, G., D.Sc. Hd. of Dept. and Prof.
Raghava Rao, B. S. V., M.Sc., Ph.D. Lond. Prof.
Ramachandra Rao, L., D.Sc. Reader.
Venkateswarlu, V., D Sc. Reader.
Rajagopalan, S., M.Sc. Lectr.
Narasimha Sastri, M., D.Sc. Lectr.

Geophysics

Savur, S. R., M.A., Ph.D. Lond. Hd. of Dept. and Prof.
Rama Rao, B. S., D.Sc. Reader.
Ramanadham, R., M.Sc. Reader.
Subrahmanyam, V. P., M.Sc. (Meteorol.) Lectr.
Janakiramayya, B., M.Sc. Lectr.
Ramamurti, K. S., M.Sc. (Meteorol.) Lectr.
Suryanarayana Rao, K., M.Sc. Lectr.

Pharmacy

Rangaswamy, S., M.A., Ph.D. Hd. of Dept. and Prof.

Lecturers

Subba Rao, V., M.Sc.

Subrahmanyam, S. S., D.Sc.
Viswanadham, N., M.Sc.
Ramasastri, B. V., M.Sc.
Sambamurti, K., M.Sc.

Physics

Raman, Sir C. V., M.A., Ph.D., D.Sc., LL.D., F.R.S. Hon. Prof.
Rao, K. R., M.A., D.Sc. Lond. Hd. of Dept. and Prof.
Bhimasenachar, J., D.Sc. Reader.
Ramachandra Rao, B., D.Sc. Reader.
Ramakrishna Rao, V , D.Sc. Reader.
Narayana Rao, D. A. A. S., M.Sc. Lectr.
Krishnamurti, B , M.Sc. Lectr.

Physics, Mathematical

Meenakshi Sundaram, S., M.A., D.Sc. Hd. of Dept., Prof.
Venkatarayuda, T., M.A., Ph.D. Reader.

Erskine College of Natural Sciences

Botany

Venkateswarlu, J., D.Sc. Hd. of Dept., Prof.
Seshagiri, P. V. V., M.Sc. Reader.
Sundarasiva Rao, B., M.Sc. Lectr.
Vankata Rao, C., M.Sc. Lectr.
Sree Ramulu, T., M.Sc. Lectr.

Geology

Mahadevan, C., M.A., D.Sc. Hd. of Dept., Prof.
Narasinga Rao, A., M.Sc., Ph.D. Reader.

Lecturers

Narasingo Sathapathi, M.Sc.
Rao, P. S., D.Sc.
Krishnamurti, T. S. G., M.Sc.
Sangameswara Rao, M.Sc.
Ramamurty, S., M.Sc.
Subramaniam, B., M.Sc.

Technology

Venkata Rao, C., M.Sc., D.I.C. Hd. of Dept. and Prof.
Sitapati Rao, D., B.A., B.Sc. (Engg.) Reader.
Dasa Rao, C. J., B.Sc. (Ag.), M.Sc. (Tech.) Reader.
Narasinga Rao, M., D.Sc. Reader.

Lecturers

Venkateswarlu, A., M.Sc.
Narasimhamurty, G. S. R., M.Sc.
Raghavacharya, M. V., M.Sc.
Satyanarayanamurty, P., M.Sc.
Subba Rao, V., M.Sc.

Erskine College of Natural Sciences

Srirama Das, A., M.Sc.
Poornachandra Rao, M., M.Sc.
Bhaskara Rao, A., M.Sc.
Krishna Rao, J. S. R., M.Sc.
Burreswara Rao, C., M.Sc.

Zoology

Ganapati, P. N., D.Sc. Hd. of Dept., Prof.

Lecturers

Rao, T. S. S., M.Sc.
Dutt, S., M.Sc.
Hanumantha Rao, K., M.Sc.
Sreeramachandramurti, V., M.Sc.
Narasimhamurty, C. C., M.Sc.
Pampapathi Rao, K., M.A., Ph.D.

University College of Law

Raman, S. V., B.A., M.L. Hd. of Dept. and Prof.

Lecturers

Satyanarayanamurty, B., B.A., B.L.
Gopalakrishna Sastri, D., B.A., B.L.
Gupteswar, K., B.L.
Ramachandra Rao, A. S., B.Sc., B.L.
Jagannadham, V., M.A., M.Litt.
Raghavacharyulu, D. V. K., B.A.

ADMINISTRATIVE AND OTHER STAFF

Physical Education: Dir.: K. Sudarsana Rao, B.A., Dip.Phys.Edn.

UNIVERSITY COLLEGES

Principal—Prof. K. Rangadhama Rao, M.A., D.Sc. Mad. and Lond.
Telephone: Waltair 146.

WALTAIR, *Erskine College of Natural Sciences*. Provides instruction for B.Sc. (Hons.) in Geol., Bot. and Zool., B.Sc. (Pass) in Geol. and Zool., M.Sc. in Bot., Zool., Geol. and Geophys., M.Sc. Applied Geology.

WALTAIR, *Jeypore Vikrama Deo College of Science and Technology*. Provides B.Sc. Hons., Post-Hons. and Research courses in Phys., Chem. and Technol., B.Pharm. Degree, and Post-Hons. courses in Chem. (including Microscopy) of Foods, Drugs and Water, and in Appl. Phys., and also M.Sc. course in Geophys., Mathematical Phys., Stats. and Chem. Technol.

WALTAIR, *University College of Arts and Commerce*. Provides Pass, Hons. and Res. courses in Maths., Philos., Hist., Econ., Politics, Telugu, Engl., Comm.

WALTAIR, *University College of Law*. Provides instruction in Preliminary Law, F.L. and B.L. courses of study, and facilities for postgraduate courses in Law, viz. M.L. and D.L.

PROFESSIONAL COLLEGES

BAPATLA, *Agricultural College*. Principal—G. Venkatanarayana, B.Sc. (Agr.) 35 other teachers. B.Sc. (Agr.).

GUNTUR, *Medical College*. Principal—V. Sitarama Rao, M.B., B.S., M.Sc. 18 other teachers. 1st M.B., B.S.

GUNTUR, *St. Joseph's Training College for Women*. Principal—Sister Mary Stanilas, B.A., L.T. 8 other teachers. B.Ed.

KAKINADA, *Engineering College*. Principal—R. Natesan, B.E. 35 other teachers. B.E.

RAJAHMUNDRY, *Government Training College*. Principal—C. B. Rao, M.Sc., Ph.D. Lond., L.T. 11 other teachers. B.Ed.

VIZAGAPATAM, *Andhra Medical College*. Principal—D. Govinda Reddi, M.D. 70 other lectrs. M.B., B.S., Postgraduate degree and dipl. examns.

AFFILIATED COLLEGES, FIRST GRADE

AMALAPURAM, *Sree K.B.R. College*. Principal—P. Ramachandra Rao, M.A. 31 other teachers. Inter, B.A., B.Com.

BHIMAVARAM, *Bhimavaram College*, West Godavari. Principal—E. Lakshminatha Rao, M.A. 70 other teachers. Inter, B.A., B.Com., B.Sc.

CHIRALA, *V.R.S. College*. Principal—T. Rama Rao, M.A., Ph.D. 40 other teachers. I.A.Sc., B.Com., B.A.

ELURU, *Sir C. Ramalinga Reddy College*. Principal—D. S. Subrahmanyam, M.A., B.Ed. 60 other teachers. Inter, B.A., B.Com., B.Sc.

GUDIVADA, *Gudivada College*. Principal—A. F. Thyagaraju, M.A., Ph.D. 46 other teachers. Inter, B.A., B.Com., B.Sc.

GUNTUR, *Andhra Christian College.* Principal—T. S. Paulus, M.A., LL.D. 78 other teachers. Inter, B.A., B.Com., B.Sc., B.Ed.

GUNTUR, *Government College for Women.* Principal—Miss N. Ammani-Amma, M.A., L.T. 13 other teachers. Inter, B.A., B.Sc.

GUNTUR, *Hindu College.* Principal—V. Subba Rao, M.A. 93 other teachers. Inter, B.A., B.Com., B.Sc.

KAKINADA, *Pithapur Rajah's Government College.* Principal—A. S. Thyagaraju, M.A. 92 other teachers. Inter, B.A., B.Com., B.Sc.

KAVALI, *Kavali College.* Principal—M. Ramanuja Rao Naidu, M.A. 13 other teachers. I.A.Sc., B.A., B.Com.

MASULIPATAM, *Andhra Jateeya Kalasala.* Principal—S. T. G. Varadachari, M.A. 39 other teachers. Inter, B.A., B.Com.

MASULIPATAM, *Hindu College.* Principal—M. Gourinadha Sastri, M.A. 75 other teachers. Inter, B.A., B.Com., B.Sc.

NARASARAOPET, *S.S.N. College.* Principal—I. Ranganayakulu, M.A., LL.B. 26 other teachers. I.A.Sc., B.A.

NELLORE, *Venkatagiri Raja's College.* Principal—K. Satchidanandam Pillai, M.A., L.T. 89 other teachers. Inter, B.A. B.Sc.

RAJAHMUNDRY, *Government Arts College.* Principal—V. Habibullah, M.A., L.T. 33 other teachers. Inter, B.A., B.Com., B.Sc.

SRIKAKULAM, *Government Arts College.* Principal—C. Subrahmanyam, M.A., L.T. 13 other teachers. I.A. & Sc., B.A.

VIJAYAWADA, *S.R.R. & C.V.R. College.* Principal—T. Suryanarayana, B.A. Camb. 71 other teachers. Inter, B.A., B.Com., B.Sc.

VISAKHAPATNAM, *Mrs. A. V. N. College.* Principal—V. S. Somayaji, B.A. 65 other teachers. Inter, B.A., B.Com., B.Sc.

VIZIANAGARAM, *Maharaja's College.* Principal—A. L. Narayan, M.A., D.Sc., F.I.P. 56 other teachers. Inter, B.A., B.Com., B.Sc., B.Ed.

AFFILIATED COLLEGES, SECOND GRADE

ANAKAPALLI, *A.M.A. College.* Principal—S. Parthasarathy Naidu, M.A., L.T. 9 other teachers. I.A.Sc.

ELURU, *St. Theresa's College.* Principal—Srimathi D. Savithri, B.A. 4 other teachers. I.A. & Sc.

NARASAPUR, *Narasapur College.* Principal—Vanguri Subba Rao, M.Sc., B.Ed. 22 other teachers. I.A. & Sc.

NIDUBROLU, *P.B.N. College.* Principal—V. Gopalam, M.A., L.T. 12 other teachers. I.A. & Sc.

ONGOLE, *C.S.R. Sarma College.* Principal—..... 12 other teachers. I.A. & Sc.

TENALI, *Tenali College.* Principal—S. P. Ragland, M.A., L.T. 18 other teachers. I.A. & Sc.

VIJAYAWADA, *Andhra Loyola College.* Principal—..... I.A.Sc.

ORIENTAL COLLEGES

AUKIRIPALLI, *Sri Markundoya Sanskrit College.* Principal—Venkateswara Sastri.

GUNTUR, *Saradaniketanam.* Principal—Vidwan Srimathi M. Savithri Devi.

KOVVUR, *S.V.J.V. Sanskrit College.* Principal—K. V. N. Appa Rao, M.A.

MASULIPATAM, *Narasimha Sanskrit College,* Chittigudur. Principal—S. T. G. Varadachari.

MODEKURRU, *Challapalli Rajeswari Sanskrit College.*

NELLORE, *Sanskrit College.* Principal—G. Hanumantha Sastry, Vidya Bhushana Vidyapravena.

PONUR, *Advanced Sanskrit College.* Principal—C. Satyanarayana Sastri.

RAJAHMUNDRY, *Andhra Women's Sanskrit College.* Principal—B. Kamakshamma.

TENALI, *Kota Lakshmiah Naidu Sanskrit College.* Principal—K. Subbaramiah, Ubhayabhasha Praveena.

VIZIANAGARAM, *Maharaja's Music College.* Principal—D. Venkataswami Nayudu.

VIZIANAGARAM, *Maharaja's Sanskrit College.* Principal—T. Norusimhachari, M.A.

GENERAL INFORMATION

The Act of the Madras Legislative Council constituting the Andhra Univ. " in and for the Telugu districts of the Presidency of Madras " came into force in 1926. By a later Act, the area has been narrowed down by the exclusion of certain districts, leaving the following within the affiliating jurisdiction of the Univ.: Srikakulam, Visaktapatnam, East Godavari, West Godavari, Kistna, Guntur and Nellore. The Act establishes five categories of colleges: " University Colleges," providing for pass and hons. or postgraduate courses for higher degrees; " First Grade Colleges," providing courses for the ordinary degrees in Arts or Science; " Second Grade Colleges," preparing for the Inter. Examn.; " Professional Colleges," providing courses in Agric., Engin. and for medical degrees, and " Oriental Colleges (Recognized)," providing courses for Oriental titles.

Among the powers of the University specified in the Act are: to promote the development of the study of Telugu, Kanarese, Urdu and Oriya, and their use as media of instruction and examination; to institute professorships and other teaching posts; to maintain colleges and hostels; to erect, equip, and maintain laboratories and libraries; to institute and provide funds for the maintenance of a publication bureau, an employment bureau, students' unions and University Extension boards. Every student of the University must reside in a hostel or under prescribed conditions.

The supreme governing body is the Senate, by which the Vice-Chancellor, a whole-time salaried officer and principal executive, is elected (for 3 years). The other principal authorities of the University are: an executive body called the Syndicate (comprising 16 members, including the Vice-Chancellor, Financial Secretary to the Local Government, and Director of Public Instruction, Madras); the Academic Council; the Faculties and the Boards of Studies.

LIBRARY. 56,689 volumes.

FACULTIES. Arts, Science, Teaching, Medicine, Commerce, Agriculture, Engineering, Law, Oriental Learning.

ADMISSION to Univ. courses is by Matriculation examn. and Secondary School leaving certificate examn. (the latter conducted by the Madras Government), or any other examn. recognized as equivalent thereto.

DEGREES. B.A., B.A. Hons.; M.A., M.A. Hons.; B.Pharm., B.Sc., B.Sc. Hons.; M.Sc., M.Sc. Hons.; B.Com., B.Com. Hons.; M.Com., M.Com. Hons.; B.L., B.Ed., M.Ed.; Ph.D.; D.Litt.; D.Sc.; M.B., B.S., L.M.S., M.D., M.S.; M.O.L.; K.P. (Hon. Directorate in Oriental Learning); B.Sc. (Agr.); B.E.; M.Sc. (Agr.), M.L., D.L.

DIPLOMAS. Titles: Vidya Praveena, Ubhayabhasha Praveena and Bhasha Praveena (each 4 yrs.' course). Certifs. of Proficiency in Oriental Learning (P.O.L.). Dipls. in French, German, Librarianship, Music, Geography and Hindi (each 1 yr. course except Music, 2 yrs.).

The EXAMINATIONS of all Statutory Indian Univs. are recognized as equivalent to the corresponding examns. of the Univ.

PUBLICATIONS. *University Code* (Act, Statutes, Ordinances, Rules, Regns. and Syllabuses), Vol. I every 2 yrs., Vol. II every 3 yrs.; *Annual Register* (Univ. Authorities, Staff); *Annual Report*; *Minutes*; *Student's Handbook*.

THE YEAR 1952–53

CHANGES IN STATUTES AND REGULATIONS. Revised regulns. provide for award of M.Ed. degree on basis of (i) written examn., (ii) dissertation, and (iii) *viva voce* examn.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. J. S. Redding (Hampton Inst.); Dr. C. P. Wright (Sch. of Geol., Oxford).

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. O. Ramachandraiah, study in U.K.; D. V. Ramana, Chic.; A. Lakshmana Rao, N. Carolina; K. K. Das, Harv.; B. Satyanarayanamurti, Yale; N. V. A. Narasimham, Vienna; D. A. A. S. Narayana Rao, Syd.; S. Rajagopalam, Basle; G. Viswanath, Johns H.; P. Sambasiva Rao, Manc.; V. V. R. Varadachari, Florida State; P. Satyanarayanamurti, Texas; V. Subba Rao, Minn.; V. Subba Rao, study in U.K.; S. Dutt, Kiel; K. Ramulu, study in U.K.

RETIREMENTS. V. K. Upadrastha (Com.); N. K. Sur (Geophys.).

HONORARY DEGREE. *Kalaprapurna*—Sri Surya Rao Bahadur.

STUDENTS NUMBERS.*

	Univ. Colls.	*Affiliated Colls.*	*Oriental Colls.*
Men	1099	19,709	255
Women	76	1,119	100
Total	1175	20,828	355

DEGREES, ETC. D.Sc., 1; M.A. (Hons.), 2; M.Sc., 31; M.D., 5; M.S., 2; D.G.O., 2; D.L.O., 2; D.O., 4; D.V., 1; M.B., B.S., 91; B.Ed., 260; B.L., 84; B.Sc. (Agriculture), 72; B.E., 114; M.Sc, 53; B.Sc. (Hons.), 89; B.Sc., 448; M.A., 23; B.A. (Hons.), 50; B.A., 703; M.Com., 6; B.Com. (Hons.), 13; B.Com., 344.

ORIENTAL TITLES. Vidya Praveena, 15; Bhasha Praveena, 69.

* All students are full-time.

ANNAMALAI UNIVERSITY*

Founded 1928; incorporated 1929

Postal Address: Annamalainagar, Madras State, South India.
Telegraphic Address: University, Annamalainagar.
Trunk Telephone: CDM. 49.

CHANCELLOR—H.E. THE GOVERNOR OF MADRAS.

PRO-CHANCELLOR AND FOUNDER—RAJAH SIR M. A. MUTHIAH CHETTIAR OF CHETTINAD, B.A.

VICE-CHANCELLOR—Sir C. P. RAMASWAMI AIYAR, K.C S.I., K.C.I.E., LL.D.

DEPUTY TO THE VICE-CHANCELLOR—A RAMANATNA PILLAI, M.A.

REGISTRAR—T. D. MEENAKCHISUNDARAM, B.A , B L

LIBRARIAN—K. NATARAJAN, B.A.

TEACHING STAFF

Agriculture

Krishnamurti, S , B Sc. (Ag.), M.Sc. Calif., Ph.D. Mich. Prof.
Sambandam, C. N., B.Sc. (Ag.) Lectr.
Chandrasekaran, B.Sc. (Ag.) Lectr.
Muthubrishnan, C. R., B Sc. (Ag.) Farm Supt.
Pandurangan, S. V , B.Sc. (Ag.) Extension Off.

Botany

Singh, T. C. N., D.Sc. Prof.
Rangaswami Ayyangar, K., M.Sc. Lectr.
Srinivasan, C., M.Sc. Lectr.
Kunjamma, M., M.Sc. Demr.
Menon, S., M.Sc. Demr.

Chemistry

Baliah, V., M.Sc., Ph.D. Stan. Prof.
Suryanarayana, C. V., M.Sc., D.Phil. Reader.

Lecturers

Krishnamurti, S., M.A., M.Sc.
Ramanujam, V. V., M.A.
Shanmuganathan, S., M.A., M.Sc.
Ramaswami, P., M.A.
Gopalakrishnan, V., M.A , M.Sc.
Ganapathy, K., B.Sc.
Somasundaram, K. M., B.Sc.
Thiruvenkatachari, V., M.Sc.
Sambasivan, S., M.A.

Demonstrators

Ramakrishnan, V., B.Sc.
Venhatesan, V. K., B.Sc.

Economics

Vaidyanatna Aiyar, S., M.A. Prof.
Muniswami, M. K., M.A., B.L. Reader.

Lecturers

Ramaswami, A., M.A., M.Litt.
Subbiah, A., M.A.
Anantaraman, V., B.A.
Balasubramanian, M., M.A.

Education

Ramanujachari, R., M.A. Prof.

* Member of the Association of Universities of the British Commonwealth.

Ramachandran, J., B.A., L.T., M.Ed. Lectr.
Rajalahshmi, Mrs R., M.A., B.T. Lectr.
Rajagopalan, S., M.A., B.T Lectr.

Engineering, v. *infra*

English

Duraiswamy, M. S., M.A. Prof.
Subrahmanya Ayyar, A. C., M.A. Reader.
Myleru, C. R., M.A. Reader

Lecturers

Sethuraman, V. S., M.A.
Gopalakrishnan, G., M.A.
Sitaraman, M. V., B.A.
Subrahmanyan, S., B.A.
Satchidanandam, V., B.A.
Venkatanna, G., B.A.
Sitaramiah, K. B., M.A.

Tutors

Saroja, Mrs. K., B.Sc.
Sirasankaran, T., B.A.
Jacob, C., B.A

French

Famby, T. P., B.A. Lectr.

Geology

Muthuswami, T N. Prof.
Rajagopalan, N., M.Sc. Lectr.

History and Politics

Sathianatha Ayyar, R., M.A. Prof.
Krishnaswami, A., M.A., L.T. Reader.

Lecturers

Srivirarayan Raja, P. K., M.A., M.Litt. (on leave).
Balasubramanyan, D., M.A.
Tirugnanasambandam, S., M.A.
Govindaswami, M. S., M.A.

Mathematics

Ganapati Ayyar, V., M.A., D.Sc. Prof.

Lecturers

Krishnamurti, V. S., M.A.
Ganesan, M., B.A.
Sankaranarayanan, G., M.Sc.
Gopalan, N., B A.
Padmanabhan, K. S., B.A.
Rangachari, S., B.A.
Padma, Miss, M.A, Ph.D.

Music

Subrahmanya Pillai, C., Vidvan Prof.
Govindaraja Pillai, V.R. Reader.

Lecturers

Sivavadivel Pillai, K. S. (Violin).
Gomati Sankara Ayyar, V. S. (Vina).
Nilamegam Pillai, R. (Violin).
Vajravelu Mudaliar, P. (Vocal).
Sivasubrahmanya Pillai, T. N. (Vocal).
Sundaresan, T. P. (Thevaram).
Vaidyalingam Pillai, P. (Vocal).
Gowri Kumari, Vina G.
Rajagopal Pillai, M. S. (Vocal).
Ramadoss Rao (Mridangam).
Rengachari, T. K. (Vocal).
Parthasanathy, S. V. (Vocal).

Philosophy

Ramanujacharıar, M. R. (on other duty). Prof.

Lecturers

Jesudas, D. I., M.A., M.Litt.
Ramalingam, C., M.A.
Joshi, R. B., M.A.

Physical Education

Govindarajalu, L. K., B.A., B.L., D.P.E. Prof. and Dir.

Assistants

Aiyaru, C.
Sabapathi, V., B.Sc.
Venkataramanan, E., B.Sc.
Kalyanasundarammal, Mrs. C.
Sethumadhava Rao, V.S., B.Sc.

Physics

Navanithakrishna, T. P., M.A. Prof.
Viswanathan, R. K., M.A. Reader.
Venkateswaralu, K., D.Sc. Reader.

Lecturers
Narayanaswami Ayyar, S., M.A.
Sriraman, S., M.A., M.Sc.
Vijayaraghavan, K., M.A., M.Sc.
Sundaram, S., M.A.
Visweswaran, K., M.A.
Tirugnanasambandam, P., B.Sc.

Demonstrators
Govindarajan, M. S., B.Sc. (on leave).
Gopinath, C. R., B.Sc.

Rural, Civic and Social Welfare
Cornelius, Miss M., M.A., M.Sc., Ed.D. Reader.

Sanskrit
Venkateswaran, C. S., M.A., Ph.D., Siromani Prof.

Lecturers
Sivaramakrishna Sastriar, K. A., Siromani.
Panchapagesa Sastriar, P., M.O.L., Siromani.
Subrahmanya Sastriar, V., Siromani.
Srinivasachari, K., Siromani.
Guruswami Sastriar, R., Siromani.
Seshadri Acharya, V. K., B.O.L., M.A., Vidvan, Siromani.
Natarajan, M., M.A.

Tamil, Arts and Science
Chidambaranatha Chettiar, A., M.A., Ph.D. Prof.

Lecturers
Varadaraja Aiyar, E. S., B.A.
Ramaswami, A., M.A.
John, Miss L. R., M.A.
Minakshisundaram, K., B.A.
Annamalai, M., M.A.

Tutors
Vaithilingam, S., B.A.
Sundaram, M., B.O.L.,

Tamil, Oriental
Ramanathan Chettiar, L. P. Kr., Vidwan Pandita Prof.

Lecturers
Arunachalam Pillai, M., Vidvan.
Somasundaram Pillai, V. M., Vidvan.
Chintamani, K. N., B.O.L., M.A., B.Sc.
Shanmugam, M., M.A.
Muthuswami Pillai, M., Vidvan.
Palani, U., M.A.

Tamil Research Dept.
Subrahmanya Pillai, G., M.A., B.L., Vidvan Prof.

Lecturers
Vellaivaranam, K., Vidvan.
Ramanuja Iyengar, T. K.
Dandayani Deskar, S., Vidvan.

Tutors
Ramanujachari, P. S., Siromani.
Sundaresa Vandayar, V., Vidvan.
Thirunavukkarasu, S., B.A.

Urdu and Hindi
Rasool, S. G. Lectr.

Zoology
Seshaiya, R. V., M.A. Prof.
Govindan, P., M.A., Ph.D. Mich. Reader.

Lecturers
Balasubrahmanyan, T. S., M.Sc.
Sankaramurthi, Mrs. P., B.Sc.
Kalyanam, N. P., B.Sc.
Srinivasan, K., B.Sc.
Nagarajan, M. A.

Demonstrators
Seetharaman, M. A.
Swaminathan, S., B.Sc.

Engineering

Civil E.
Ramaswami, G. S., M.S., C.E. B.E. Prof.

Readers.
Krishnamurti Rao, J., B.A., B.E.
Alexander, G., B.Sc., B.E.
Narendranath, S., B.E.

Kannan, M., B.E.

Lecturers

Sethunarayanan, R., B.E.
Suryanarayana, D., B.E.
Narasimhan, K., B.E.
Norman, C., B.E.
Ramalingam, V., B.A., B.E.
Kurien, P. C., B.E.
Raghavan, N., B.E.
Manickavelu Mudaliar, M. Draughtsman.

Electrical E.

Rajagopal Pillai, P., B.A Prof. and Head of Dept.
Balasundaram, V., B.Sc. Reader.
Chalam, V. V., B.Sc. Reader.

Lecturers

Parthasarathi, G., M.A., D.I.I.Sc.
Satyamurthy, V., B.E.
Sivasubramanian, A. S., B.E.
Pradyumna Kumar, D., B.E.
Sarangapani, G. Draughtsman.

Mechanical E.

Rajaram, C., B.A., B.E. Offg. Prof
Srinavasamurti, B., B.Sc., B.E. Reader.

Lecturers

Ramamurti, C., B.E.
Saravanaperumal, V., B.E.
Bindu Madhava Rao, B., B.Sc. (Eng.).
Muthuveerappan, V. R., B.E.
Ramalingam, M., B.E.
Xavier, S. Draughtsman.

Technology

Palaniappan, N. P., M.Sc., M.Sc. (Tech.) Manc. Prof.
Lakshmanan, S., M.Sc. (Tech.) (on leave) Reader.

Lecturers

Adivarahan, P, B.Sc., B.Sc. (Tech.).
Bhimeswara Rao, P., M.Sc. (Tech.).
Alagarswamy, V., B.Sc., B.Sc. (Tech.).
Selvarajan, N., B.E. (Chem.).
Nallaperumal, U., B.E. (Chem.).
Natarajan, S., B.E. Demr.

ADMINISTRATIVE AND OTHER STAFF

WARDENS OF HOSTELS. Arts and Science, Prof. S. Krishnamurti, B.Sc. (Ag.), M.Sc. Calif., Ph.D. Mich.; Engineering and Technology, Prof. J. Krishnamurti Rao, B.A., B.E. Women's, Mrs. V. P. Kumuthavalli Ammal.

RESIDENT MEDICAL OFFICER. D. A. D. Nath, D.M. & S.

WORKSHOP SUPERINTENDENT. K. S. Ramamoorthi, B.E.

GENERAL INFORMATION

As the result of an offer by Rajah Sir S. R. M. Annamalai Chettiar of Chettinad to transfer to a residential teaching University, if one were founded, the Sri Minakshi College for higher instruction in English, the Sri Minakshi Tamil College and the Sri Minakshi Sanskrit College which he had established and maintained, together with an endowment of 20 lakhs of rupees, the Government of Madras passed an Act in 1928 accepting the offer and providing for the establishment of the Annamalai University. Government also provided 27 lakhs of rupees towards the endowment fund, a recurring grant of one and a half lakhs a year, and, subject to conditions agreed between Government and the University, a sum of seven and a half lakhs for building and equipment.

The authorities of the University under the Act are : (1) the Senate, (2) the Academic Council, (3) the Faculties, (4) the Boards of Studies, (5) the Syndicate, (6) the Finance Committee and (7) the Board of Selection. The Chan-

cellor, the Pro-Chancellor, the Vice-Chancellor, the Senate, the Academic Council and the Syndicate constitute the body corporate of the University. The Vice-Chancellor is the principal executive officer, who holds office for 3 yrs., and is appointed by the Chancellor on the nomination of the Founder.

Under the Act, residence in a hostel or lodgings maintained by the Univ. is compulsory for all students. The warden of the hostel regulates attendance and exercises disciplinary control and supervision over the students. An important feature of the working of the hostel is the close association of students in the management of the affairs of each section.

English is the usual language of instruction.

Physical Training is compulsory for all students, and weekly lectures on Physiology, Health and Hygiene are delivered for their benefit.

FACULTIES AND DEANS. *Arts*, Prof. M. S. Duraiswami; *Education*, Prof. R. Ramanujachariar; *Engineering and Technology*, Prof. P. Rajagopal Pillai; *Fine Arts*, Prof. C. Subrahmanya Pillai; *Oriental Studies*, Prof. L. P. K. Ramanathan Chettiar; *Science*, Dr. V. Baliah.

ADMISSION. Holders of completed School Leaving Certificates under the Secondary School Leaving Certificate scheme adopted by the Govts. of Madras and the Madras States declared eligible by the Syndicate are admitted to a course of study in the Univ.

DEGREES. By examination: B.A., B.A. (Hons.); B.Sc., B.Sc. (Hons.); M.Sc., M.A., B.O.L., M.O.L. (Oriental Learning); B.Mus.; B.E. and B.E. (Chem.); Research degrees: M.Litt. and M.Sc., Ph.D., D.Litt. and D.Sc.; B.Arch.

DIPLOMAS. Titles in Oriental Learning (Vidvan, Pulavar and Siromani) and Music (Sangita Bushana)—4 yrs.' course in each case. Dipl. in French; Dipl. in Fine Arts, comprising Painting, Sculpture, Drama and Dancing.

RECOGNITION OF EXAMNS. of other Univs. Examns. of all statutory Indian Univs. are recognized for purposes of admission.

FEES. Tuition, per term. Interm., Rs. 47·8; B.A., B.Sc., Rs. 62·8; B.Sc. Hons., Rs. 70; B.E., B.E. (Chem.), Rs. 72; Oriental Titles, Rs. 10. In addition, there are deposit and lab. fees.

LIBRARY. 92,000 vols.

LABORATORIES. Phys., Chem., Bot., Zool., Agric., Geol., Engin. and Technol. with workshops and arrangements for practical work for all students.

TUTORIAL INSTRUCTION and disciplinary supervision for all students are provided by assigning about 15 students to each member of the staff.

RESIDENCE. (For Wardens *see* "Administrative and other Staff," p. 1255.) Students are required to live in hostels attached to the University or in approved lodgings recognized by the University. Separate Hostel with a Lady Warden for Women Students.

HEALTH. A Dispensary with an isolation ward is maintained for the benefit of students and staff.

GENERAL COUNCIL OF ASSOCIATIONS. Membership open to all students on payment of a fee.

RESEARCH. Studentships tenable 2 yrs., value Rs. 50 p.m. Fellowship tenable in India and abroad, value Rs. 125 p.m.

PUBLICATIONS. *Calendar* (once in three yrs.), Rs. 5½; *Annual Report* (April); *University Journal* (Annual), Rs. 7·8; *Students' Handbook* (July), R. 1; *Students' Magazine* (March), Rs. 1·8.

THE YEAR 1952–53

NEW BUILDINGS. Eng. Coll. III Stage ; Hydraulic Lab. ; Pattern Shop ; Bakery ; Extension of Travancore Hostel.

OTHER DEVELOPMENT. Post-Intermediate course in General Education introduced.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	1865	..
Women	107	..
Total	1972	..

DEGREES, ETC. M.A., 48 ; B.A. Hons., 73 ; B.A. 23 ; M.Sc., 6 ; B.Sc. Hons., 47 ; B.Sc., 41 ; B.E., 59 ; B.E. (Chem.), 23 ; B.Mus , 1 ; B.O.L., 1 ; Pulavar, 11 ; Vidvan, nil ; Siromani, 1 ; Sangita Bushana, 7 ; Dipl. in Teaching, 1.

BANARAS HINDU UNIVERSITY*

Founded 1916

Postal Address: Banaras 5, Uttar Pradesh, India.
Telegrams: University, Banaras.
Telephone: 939.

VISITOR—THE PRESIDENT OF THE REPUBLIC OF INDIA.

CHIEF RECTOR—H.E. THE GOVERNOR OF UTTAR PRADESH.

CHANCELLOR—Lt.-Genl. H.H. THE MAHARAJA SIR GEORGE JIVAJI RAO SCINDIA, G.C.S.I., G.C.I.E., of Gwalior.

PRO-CHANCELLOR—Brig. H.H. THE MAHARAJA SIR BHIM SINGHJI BAHADUR, K.C.S.I., OF KOTAH, UPARAJPRAMUKH OF RAJASTHAN.

VICE-CHANCELLOR—ACHARYA NARENDRA DEVA, D Litt., M.A., LL.B.

PRO-VICE-CHANCELLOR—Professor V. V. NARLIKAR, B.Sc. Bom., M.A. Camb., F.R.A.S., F.N.I.

TREASURER—JYOTI BHUSHAN GUPTA.

REGISTRAR—A. B. MISRA, D.Sc. Luck., D.Phil. Oxon., F.R.E.S.

ACTING LIBRARIAN—D. SUBRAMANIAM, M.A.

DEANS—*Arts*—Prof. Meekut Behari Lal, M.A.; *Ayurveda*—Pdt. RAJESWAR DUTT, SHASTRI; *Law*—Prof. G. B. JOSHI, M.A., LL.M. Bom., M.A. Calc.; *Music and Fine Arts*—OMKAR NATH THAKUR; *Oriental Learning*—Pdt. MAHADEVA SHARMA PANDEY; *Science*—Y. BHARADWAJA, M.Sc., Ph.D. Lond., F.L.S.; *Technol.*—Prof. M. S. GUPTA, B.Sc. Calc. and Glas., C.P.E. Glas.; *Theol.*—Pdt. VISWANATH SHASTRI.

ADMINISTRATIVE AND OTHER STAFF

Provost: B. L. Atreya, M.A., LL.B., D.Litt. Proctor: Major C. Bal, M.Sc. Chief Wardens of Hostels: De, Limbdi and Rajputana, Prof. G. C. Mukherji, M.Sc.; Dhanrajgiri, D. Swarup, B.Sc., Ph.D. Sheff.; Morvi, H. J. Arnikar, M.Sc., Ph.D.; Dr. S. Radhakrishnan hostel, Dr. Bhagwan Das hostel and Dr. I. N. Gurtu hostel, S. S. Gairola, B.Sc. Eng., M.S. in C.E. Tenn.; Broacha, Major C. Bal., M.Sc.; Birla, B. L. Atreya, M.A., LL.B. D.Litt.; Ruiya, H. Ballava Shastri; Women's (Old and New), Mrs. K. G. Venkateswaran, M.A.; King Edward and Annie Besant, Prof. K. P. S. Malani, M.A.; Approved Lodges, Prof. S. C. Das Gupta, M.A. Dir., Phys. Trg.: K. C. Trigunayat, M.Sc.; Phys. Trg. Instr.; M. Roy. Chief Med. Officer: R. B. S. B. Singh; Med. Officer: G. S. Singh, M.B., B.S. Supt. Univ. Press, R. K. Das; Executive Engineer: B. Gupta, C.E.; Executive Officer: B. M. Vyas, B.A., LL.B.

* Member of the Association of Universities of the British Commonwealth.

CONSTITUENT COLLEGES OF THE UNIVERSITY *

AYURVEDIC COLLEGE. 27 teachers. A.M.S. Hds. of Dept.: *Surg.*—Principal, M. S. Verma, B.Sc., M.B., B.S.; *Ayurveda*—Pdt. R. Dutt, Shastri.

BHARATI MAHAVIDYALAYA (COLLEGE OF INDOLOGY). 10 teachers. M.A.; Ph.D., D.Litt. Hds. of Dept.: *Ancient Indian Hist. and Culture*—Actg. Principal, R. B. Pande, M.A., D.Litt.; *Philos. and Religion*—T. R. V. Murti, M.A., D.Litt.; *Art and Archit.*—V. S. Agrawala, M.A., Ph.D., D.Litt.; Prof. of *Sanskrit Lang. and Lit.*—Surya Kant, M.A., Ph.D., D.Phil.

CENTRAL HINDU COLLEGE. (*Telephone*: 878.) 64 teachers. B.A.; B.Com.; M.A.; M.Com.; Ph.D.; D.Litt. Hds. of Dept.: *Hist.*—Principal R. S. Tripathi, M.A., Ph.D. Lond.; *English*—C. N. Menon, M.A., Ph.D., D.Litt.; *Philos.*—B. L. Atreya, M.A., LL.B., D.Litt.; *Politics*—Prof. M. B. Lal, M.A.; *Maths.*—Prof. V. V. Narlikar, M.A. Camb.; *Econ.*—A. K. Das Gupta, M.A., Ph.D. Lond.; *Hindi*—H. P. Dwivedi, M.A., D.Litt.; *Geog.*—H. L. Chibber, Ph.D., D.Sc. Lond.; *Comm.*—Actg. Prof. J. N. Das Gupta, M.A.; *Arabic and Persian*—S. A. Hasan.

COLLEGE OF SCIENCE (*Telephone*: 876.) 72 teachers. B.Sc.; M.Sc.; D.Sc.; Ph.D. Hds. of Dept.: *Chem.*—Principal S. S. Joshi, D.Sc. Lond.; *Phys.*—B. Dasannacharya, M.Sc., D.Phil. Munich; *Maths.*—Prof. V. V. Narlikar, M.A. Camb.; *Bot.*—Y. Bharadwaja, M.Sc., Ph.D. Lond., F.L.S.; *Zool.*—A. B. Misra, D.Sc., D.Phil. Oxon.; *Geol.*—R. Nath, M.Sc., Ph.D. Lond., D.I.C.; *Geog.*—H. L. Chibber, Ph.D., D.Sc. Lond.; *Spectroscopy*—R. K. Asundi, M.Sc., Ph.D. Lond.

CENTRAL HINDU COLLEGE (KAMACHHA SECTION). (*Postal Address*: Kamachha, Banaras, India; *Telephone*: 528.) 53 teachers. I.A.; I.Sc.; I.Com. Principal—Prof. K. P. S. Malani, M.A.

COLLFGE OF TECHNOLOGY. (*Telephone*: 949.) 28 teachers. B.Sc. (Ind. Chem.); M.Sc. (Ind. Chem.); B.Sc. (Chem. Eng.); B.Ph.; M.Ph.; B.Sc. (Glass & Cer.); M.Sc. (Glass); M.Sc. (Cer.); Ph.D. Hds. of Dept.: *Indust. Chem.* and *Chem. Engin.* Actg. Principal—G. Tripathi, S.M., M.S.E., Sc.D. Mich., M.Sc.; *Pharmaceutical Chem.*—Prof. N. K. Basu, M.Sc.; *Ceramics*—Prof. H. N. Roy; *Glass*—R. Charan, B.Sc. Sheff., D.Sc. Prague.

COLLEGE OF MINING AND METALLURGY. (*Telephone*: 627.) 17 teachers. B.Sc. (Mining); B.Sc. (Met.); B.Sc. (Fuel); Ph.D. Hds. of Dept.: *Metall.*—Principal D. Swarup, B.Sc., Ph.D. Sheff.; *Mining*—Prof. M. P. Netarwala, B.Sc. Min., M.Sc. (Geol.), M.E.M. Colorado, Sc.D. M.I.T.

ENGINEERING COLLEGE. (*Telephone*: 938.) 37 teachers. B.Sc. (Eng.); Ph.D. Hds. of Dept.: *Electr. Engin.*—Principal M. S. Gupta, B.Sc. Calc., B.Sc. Glas., C.P.E. Glas.; *Mech. Engin.*—Prof. B. M. Singh, B.Sc. (Eng.).

COLLEGE OF AGRICULTURE. (*Telephone*: 838.) 21 teachers. B.Sc. (Agr.); M.Sc. (Agr.); Ph.D. Principal (Actg.)—A. Lal, M.Sc., Ph.D. Lond.

LAW COLLEGE. 5 teachers. LL.B.; LL.M. Principal—Prof. G. B. Joshi, M.A., LL.M.

KALA SANGITA BHARATI (COLLEGE OF MUSIC AND FINE ARTS). 10 teachers. Sangeet Alankar; Sangeet Acharya. Principal—Pdt. O. N. Thakur.

SANSKRIT MAHAVIDYALAYA (COLLEGE OF ORIENTAL LEARNING AND THEOLOGY). 19 teachers. Shastri; Acharya; Chakravarti. Dir. of *Sanskrit*

* *Postal Address*, unless otherwise stated: Banaras Hindu University, Banaras 5, Uttar Pradesh, India.

Res.—Pdt. G. S. Chaturvedi ; Principal (Actg.) and Hd. of Dept. of *Vedanta*—Pdt. R. C. Dikshitar ; Hds. of other Depts. : *Vyakarana*—Pdt. R. N. Sharma ; *Nyaya*—Pdt. L. N. Jha ; *Sahitya*—Pdt. M. S. Pandya ; *Jyotish*—Pdt. R. V. Jyotishi ; *Dharma Shastra*—Pdt. V. N. Shastri ; *Sankhya Yoga*—Pdt. H. B. Shastri ; *Veda*—Pdt. K. P. Misra.

WOMEN'S COLLEGE. (*Telephone* : 896.) 30 teachers. I.A. ; I.Sc. ; B.A. Principal—Mrs. K. G. Venkateswatan, M.A.

TEACHERS' TRAINING COLLEGE. (*Telephone* : 982.) 15 teachers. B.Ed. ; M.Ed. ; Ph.D. Principal (Actg.)—P. N. Rozdon, Ph.D. Edin., B.A.

AFFILIATED LOCAL COLLEGES *

D.A.V. COLLEGE. (*Telephone* : 58.) 11 teachers. B.A. ; B.Com. Principal—K. Nand, M.A.

BESANT COLLEGE. (*Telephone* : 717.) 7 teachers. I.A. ; I.Com. Principal —T. P. Telang, M.A.

VASANTA COLLEGE FOR WOMEN, KAMACHHA. 11 teachers. B.A. Principal—Miss S. Telang, M.A.

HARISH CHANDRA COLLEGE. (*Telephone* : 831.) 15 teachers. B.A. ; B.Com. Principal—B.Banerjee, M.Sc.

UDAI PRATAP COLLEGE. (*Telephone*, 119.) 18 teachers. B.A. ; B.Com. ; B.Sc. Principal—M. P. Singh.

GENERAL INFORMATION

The University is open to persons of either sex and of whatever race, creed, caste or class. It was incorporated in 1915 ; the Central Hindu College, fully equipped, already existed, and the work of the University began in 1916. The University has since been removed to a magnificent site of 1300 acres.

The objects of the Banaras Hindu University, which is a teaching and residential University, are : (i) to promote the study of the Hindu Shastras and of Sanskrit lit. generally as a means of preserving and popularizing the best thought and culture of the Hindus ; (ii) to promote learning and res. generally in arts and science in all branches ; (iii) to advance and diffuse such scientific, technical and professional knowledge, combined with the necessary practical training, as is best calculated to help in promoting indigenous industries and in developing the material resources of the country ; (iv) to promote the building up of character in youth by making religion and ethics an integral part of education.

CONSTITUTION. The Court, the supreme governing body of the Univ., includes representatives of Depts. and Colls., of the Univ. teachers other than professors, of ex-students, donors, persons representing learned professions, industry and commerce, representatives of Parlt., of Hindu, Buddhist, Sikh and Jain culture and learning, and some nominated members. The Academic Council, the supreme academic body, includes the Vice-Chancellor, Pro-Vice-Chancellor, Univ. Profs. and Principals and Heads of Colls., Deans of Facs., the Provost, Chief Proctor, Librarian, 4 teachers of the Univ. elected from among themselves, and 6 persons, not employees of the Univ., co-opted by the Academic Council. The Executive Council and the Standing Cttee. of the Academic Council are the executive bodies of the Court and the Academic Council respectively.

* *Postal Address* : Banaras, Uttar Pradesh, India.

LIBRARY. The library is housed in the Sayaji Rao Gaikwad Library. Total number of vols. : 203,772.

LABORATORIES, ETC. Laboratories in the following subjects are fully equipped : Chem., Phys., Bot., Zool., Geol., Geog., Agric., Ind. Chem., Ceramics, Glass Technology, Pharmaceutics, Mining, Metall. and Fuel Technol., Chem. Engin., Radio, Communication, Electr., Mech. and Civil Engin. The Engineering Coll. Labs. include a shop equipped for manufacturing machines, smith and paint shops, an iron and brass foundry and a motor-car repair shop.

An extensive botanical garden, an Ayurvedic garden and agricultural farms are maintained for the study of plants, herbs and crops.

ADMISSION. Candidates who have passed the Admission examn. or an equivalent examn. are admitted to the courses of study for the Intermediate examns. in Arts, Sci. and Comm. Candidates who have passed the Senior Oxford Local, the Senior Cambridge Local, the Final Examn. prescribed for European Schools and the Dipl. examn. in a Chief's College may also be admitted in the I.A., I.Sc. and I.Com. classes under certain conditions.

For admission to courses of B.A., B.Sc. and B.Com., candidates must have passed the I.A., I.Sc. and I.Com. examns. of this Univ. or equivalent examns. ; for admission to courses of M.A., M.Sc. and M.Com., candidates must have passed B.A., B.Sc. and B.Com. examns. of this or other recognized Universities ; for admission to LL.B. and B.Ed., minimum qualifications are B.A., B.Sc. and B.Com. ; no candidate can be admitted to the courses of LL.M. and M.Ed. unless he has passed LL.B. and B.Ed. examns. ; for admission to courses for Bachelor degrees in Agric., Engin., Mining, Metall., Fuel Technol. and various courses of Technol., minimum qualification is I.Sc. or equivalent ; for admission to postgrad. courses of Agric. and various subjects in Technol., minimum qualifications are B.Sc. (Agriculture) of this and other recognized Univs. and B.Sc. (Tech.) of this Univ. respectively ; admission to courses of Sanskrit studies in the Facs. of Oriental Learning and Theol. is restricted to Hindus ; candidates who have passed the Praveshika or an equivalent examn. are admitted to courses of Madhyama Pariksha ; for higher degrees in Sanskrit, students are required to pass successive examns. of Sanskrit learning, Madhyama, Shastri, Acharya and Chakravarti ; for admission to courses of Ayurvedacharya (M.B., B.S.) (5 yrs.), candidates must have passed the Admission or Praveshika examns. of this Univ. or equivalent examn., and an Ayurveda Praveshika examn. for admission to the prescribed course of studies for the degree of Ayurvedacharya (M.B., B.S.) is held.

DEGREES. B.A., M.A., Ph.D., D.Litt., B.Com., M.Com., B.Sc., B.Sc. (Ind. Chem.), B.Sc. (Technology) (Glass and Ceramics), B.Pharm., B.Sc. in Appl. Sc. (Engin.), B.Sc. (Mining), B.Sc. (Metallurgy), B.Sc. (Fuel Tech.), B.Sc. (Agric.), B.Sc. (Tech.) (Chem. Engin. and Tech.), M.Sc., Ph.D., D.Sc., M.Sc. (Agric.), M.Sc. (Ind. Chem.), M.Sc. (Glass and Ceramics), M.Pharm., LL.B., LL.M., LL.D., B.Ed., M.Ed., Ph.D., D.Sc., D.Litt., A.M.S., Shastri, Chakravarti, Vachaspati, Acharya, Sangitalankar, Sangitacharya, Sangitamartand.

DIPLOMAS. Modern European Langs., Library Sci., Soap Manufacture, Metal Enamelling, Pottery and Porcelain, Music, Painting, Sculpture, Chinese, Paurohitya, Indian Philos. and Culture, Clin. Psychol. Duration of courses is generally of 1 yr.

CERTIFICATES. (Usually 1 yr course.) Statistical Methods, Spectroscopy, Hindi.

FEES. For various *Dipl.* courses (p.a.) : German, Rs. 20 ; French, Rs. 20 ; Chinese, Rs. 20 ; Japanese, Rs. 20 ; Soap, Rs. 180 ; Painting, Rs. 72 ; Sculpture, Rs. 72 ; Clin. Psychol., Rs. 80 ; for *Certif.* courses : Hindi, Bengali,

Telugu and Gujarati, Rs. 10; Statistical Method, Rs. 20.

Fees (p.a.) for I.A., I.Com., Rs. 80; B.A. and B.Com., Rs. 110; M.A. and M.Com., Rs. 140; I.Sc., Rs. 90; B.Sc., Rs. 120; M.Sc., Rs. 145; Res., Rs. 125; I.Sc. (Eng.), Rs. 230; B.Sc. (Eng.), Rs. 250; I.Sc. (Mining), Rs. 220; B.Sc. (Mining) and B.Sc. (Metallurgy), Rs. 240; Law (Previous), Rs. 120; Law (Final), Rs. 120; LL.M., Rs. 150; Ayurveda Praveshika, Rs. 100; First Professional Ayurveda, Rs. 100; Second Professional, Rs. 100; Third Professional, Rs. 100; B.Sc. (Agric.), Rs. 180; M.Sc. (Agric.), Rs. 220; I.Sc. Glass and Ceramics, Rs. 180; B.Sc. (Glass, Ceramics and Ind. Chem.), Rs. 180; M.Sc. (Glass, Ceramics and Ind. Chem.), Rs. 220; B.Pharm., Rs. 180; M.Pharm., Rs. 200; B.Sc. (Chem. Eng.) Pts. I and II, Rs. 220 each; B.Sc. (Chem. Eng.) Pts. III and IV, Rs. 240 each; Sangitapraveshika, Rs. 72; Sangita Madhyama, Rs. 96; Sangitalankar, Rs. 120; Sangitacharya, Rs. 144; Fine Arts Section, Rs. 72; Library Diploma, Rs. 90.

In the Sanskrit Mahavidyalaya no Hostel or College fee is charged.

Residence and Cost of Living. The Univ. Regulations require every student to reside in a Univ. Hostel, or, if he is a student of a constituent coll., in a coll. hostel, unless allowed by the Vice-Chancellor or the Pro-Vice-Chancellor to reside with his parents or guardians under prescribed conditions. The majority of students live in hostels under the supervision of the students' Residence Cttee. There are thirteen hostels on the University ground, accommodating over 3500 students, and two more in the city, accommodating over 300 students, all under the management of a Warden, Chief Wardens and the Provost. Qualified Medical Officers have been apptd. There are in addition about ten approved lodges, in which nearly 1500 students reside; all approved lodges are also under the management of Wardens and a Chief Warden.

The cost of living, including tuition fees, varies from Rs. 70 to Rs. 125, according to faculty. The students of the Coll. of Oriental Learning and Theol. are charged no fees for lodging, light and service.

International House. With the increase in the number of foreign students in the Univ., a bungalow has been allotted for their residence. It is under the care and management of a warden, Dr. R. S. Choudhuri.

Athletic Activities. The Univ. Athletic Association organizes Univ. games and sports. Inter-Collegiate games and Univ. sports are arranged every year. Individual Colls. through their athletic assocns. provide facilities for all outdoor games, and hostels organize all indoor games.

Military Training. Facilities are available in the 2nd U.P. Battalion of the N.C.C. attached to the Univ.

Publications. *Prospectuses* annually, *Annual Reports*, *Scientific Research Journal* (quarterly), *University Magazine* (quarterly), *Calendar* (quinquennial). The date of the current *Calendar* is 1944.

THE YEAR 1952–53

Student Numbers.

	Full-Time	*Part-Time*
Men	7967	..
Women	469	..
Total	8436	..

Postgraduate students, 1264.

DEGREES, ETC. B.A., 1137; M.A., 708; B.Ed., 114; M.Ed., 11; B.Sc., 891; M.Sc., 288; B.Com., 335; M.Com., 107; B.Sc. (Ind. Chem.), 93; M.Sc. (Ind. Chem.), 22; B.Sc. (Chem. Eng.), 101; B.Ph., 52; M.Ph., 6; B.Sc. (Glass & Cer.), 30; M.Sc. (Glass), 3; M.Sc. (Cer.), 3; B.Sc. Agr., 125; M.Sc. Agr., 59; B.Sc. (Min.), 72; B.Sc. (Met.), 102; B.Sc. (Fuel), 19; B.Sc. (Eng.), 549; A.M.S., 433; LL.B., 479; LL.M., 6; Shastri, 136; Acharya, 51; Chakravarti, 15; Ph.D., 176.

[*Information compiled as at* 15/7/54.]

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA *

Founded 1949

Postal Address : Baroda 2, Bombay State, India.
Telegrams : University, Baroda.
Telephones : Registrar, 2224 ; General, 2721.

CHANCELLOR—HIS HIGHNESS THE MAHARAJA GAEKWAR OF BARODA.

VICE-CHANCELLOR—SHRIMATI HANSA MEHTA, B.A.

PRO-VICE-CHANCELLOR—Professor C. S. PATEL, B.A , M.Sc. Bom., Ph.D. Leeds.

REGISTRAR—B. K. ZUTSHI, M.A., LL.B.

ASSISTANT REGISTRAR—K. J. MAJMUDAR, M.A., B.T.

TEACHING STAFF

Accountancy

Chokshi, M. M., B.Com. Reader.
Dharma, K. M., M.A., B.Com. Jr. Lectr.
Shah, C. T., M.Com. Jr. Lectr.

Applied Arts and Crafts

Bhatt, M. C., G.D. Art Bom., M.A. Art (Educn.) (Barnes Foundations) Prof.
Pancholi, B. N., D.T., G.D. Art, A.M. Sr. Lectr
Subramanyam, K. G. Jr. Lectr.
Patel, H. R. Jr. Lectr.
Joglekar, N. B., D.T.C., G.D. Art Jr. Lectr.

Archæology

Subbarao, B., M.A., LL.B., Ph.D. Reader.

Banking

Shah, B. G., M.Com. Sr. Lectr.

Botany

Phatak, V. G., D.Sc. Montpellier Reader.
Chavan, A. R., B.Sc., Ph.D. Nebraska Sr. Lectr.
Gaekwad, L. K., M.Sc. Jr. Lectr.

Chemistry

Sethna, S. M., M.Sc., Ph.D. Prof
Mehta, C. M., M.Sc., Ph.D. Sr. Lectr.

Junior Lecturers

Dave, J. S., M.Sc.
Shah, C. J., M.Sc.
Sheth, N. M., M Sc
Shah, M. J., M.Sc
Godbole, A. N., M.Sc
Patel, J. L., M Sc.
Parikh, N. K., B.Sc Bom., B.Sc. (Tech.).

Commerce

Kolhatkar, V. Y., M.Com. Bom., M.Sc. (Econ.) Lond. Prof.
Dholakia, H. L., B.Com., Ph.D. Sr. Lectr.

Cotton Industry

Venkataraman, K. S., M.A., Ph.D., B.L. Reader.

Dance and Dramatics

Khokar, M. P., B.A. (Dance) Sr. Lectr.

* Member of the Association of Universities of the British Commonwealth.

Mehta, C. C., B.A. (Dramatics) Hon. Prof.

Dentistry

Diwanji, R. C. Hon. Dent. Surg.
Dave, H. J., B.D.S. Bom. Hon. Asst. Dent. Surg.

Economics

Mahabal, S. B., M.A. Sr. Lectr.
Shukla, D. K., M.A. Jr. Lectr.

Education

Mukerji, S. N., M.A , B.T., T.D. Lond., Dip.Ed. Dub. Reader.

Senior Lecturers

Apte, D. G., M A., M.Ed.
Patel, M. S., M.A., T.D. Lond., Ph.D.
Yagnik, K. S , M.A., B.T.
Phatak, Mrs. P. T., B.A., M.Ed.
Parikh, S. C., B.A., M.Ed.

Junior Lecturers

Shukla, N. N., B.Sc., M.Ed.
Quraishi, M. A., M.A., M.Ed
Divekar, S. M., B.A., M.Ed.
Das, I. J., M A., M.Ed.
Fernandes, H., B.Sc., M.Ed.
Parek, T. P., B A., M.Ed.

English

Readers

Kantak, V. Y., M.A.
Shukla, C. M., B.A. Lond., M.A.

Senior Lecturers

Tilak, Mrs. Kamala, M.A.
Salgaonkar, V. D., M.A., LL.B.
Mahulkar, D. D., M.A.

Junior Lecturers

Desai, J. D., M.A.
Joshi, Mrs. Sindhu N., M.A.
Raval, R. R., M.A.

Fine Arts

Bendre, N. S., B.A., G.D.Art (Painting). Prof.
Rao, U. P., G.D. Art (Painting) Sr. Lectr.
Chaudhary, N. N., B.A. Calc. (Sculpture) Reader.
Kapadia, K. B., G.D.Art (Sculpture) Sr. Lectr.
Bhatt, G. K. (Process) Jr. Lectr.

French

Kalelkar, N. G., M.A. Bom., D.Litt. Paris Jr. Lectr.

Geography

Janaki, Miss Vengalil A., M.A., B.Litt Oxon. Sr. Lectr.

Geology

Mehr, S. S., M.Sc. Jr. Lectr.

Gujarati

Sandesara, B. J., M.A., Ph.D. Prof.
Patel, C. S , M.A., LL.B. Sr. Lectr.
Kothari, B. P., M.A. Sr. Lectr.
Joshi, S. H., M.A. Jr. Lectr.
Dave, I. A., M A. Jr. Lectr.

Hindi

Bhatnagar, U. S., M.A. Ban. Sr. Lectr.
Sinha, B. L., M.A., LL.B., B.T. Jr. Lectr.

History

Pandya, G. B., M.A. Alld., B.A. Lond. Reader.
Misra, S. C., M.A., Ph.D. Sr. Lectr.
Krishnamurti, R., M.A. Jr. Lectr.

Home Science, v. *infra*

Marathi

Dandekar, V. P., M.A., Ph.D. Sr. Lectr.
Deshpande, S. V., M.A. Jr. Lectr.

Mathematics

Manerikar, S. D., B.A. Bom. and Camb. Reader.
Cholkar, V. B., M.Sc. Sr. Lectr.
Shah, C. C., M.Sc. Sr. Lectr.

Junior Lecturers

Patel, R. C., M.Sc.
Sheth, N. T., M.A.

Patel, N. M., M.Sc.

Medicine, v. *infra*

Mercantile Law

Patel, A. J. Pt.-time Lectr.

Museology

Devkar, V. L., M.Sc.
Hon. Lectr.
Doctor, Miss B. C., M.A., Ph.D., Dipl. in Museol. Sr. Lectr.

Music

Mehta, R. C., B.A. Reader.
Shukla, S. O, Sangit Provin, Sangit Rastaj Sr. Lectr.
Thukkar, M. M., Dipl. in Mus.
Jr. Lectr.
Saxena, S. K., B.A Jr. Lectr.

Oriental Studies

Bhatt, G. H., M.A.
Dir., Oriental Inst.
Shah, U. P., M.A., Ph.D.
Deputy Dir.
Pade, J. S., M.A.
Supt., Manuscript Section.
Nambiar, M. R., Nyaya Bhushan.
Supt., Gaekwad Oriental Series.
Tripathi, Y. J., M.A., B.T., Ph.D.
Translation Asst.
Ramaswami, K. S., Shastri, Mimansa Siromani
Supt., Collation Section, Ramayana Dept.

Pali

Joshi, V. R., M.A., B.T. Sr. Lectr.

Persian

Lokhandwala, M. F., M.A.
Sr. Lectr.
Rehman, M. L., M.A. Jr. Lectr.

Philosophy

Patel, D. M., B.A. Lond., M.A.
Reader.
Javdekar, A. G., M.A., Ph.D.
Sr. Lectr.
Desai, B. G., M.A. Jr. Lectr.

Physics and Meteorology

Gogate, D. V., M.Sc., Ph.D.
Reader.

Senior Lecturers

Chaudhari, K. R., M.Sc.
Varma, K. P., M.Sc.

Junior Lecturers

Sur, C. H., B.Sc.
Pandya, N. S., M.Sc.
Shah, C. N., B.Sc.
Trivedi, G. K., M Sc.

Politics

Desai, K. S., M.A., LL.B.
Sr. Lectr.
Kothari, S. T., M.A. Calif. Jr. Lectr.
Bhalerao, C. N, M.A. Jr. Lectr.

Psychology

Menon, T. K. N., B.A. Madr., M.A Ed. Leeds, Dip.Ed. Leeds and Berl. Prof.

Senior Lecturers

Lele, T. P., B Sc., Ed.B. St. And.
Bhatt, L. J., M.A. Leeds, M.A, B.T.
Srinivasiah, T. V, B.A., Ph.D. Lond.
Dumas, Miss J., B A. Chic.

Sanskrit

Mehta, H C., M.A., B.T.
Principal, Baroda Sanskrit Mahavidyalaya.
Bhave, S. S., M.A., LL.B., Ph.D. Bonn Reader.
Jani, A. N., M.A. Sr. Lectr.
Nachane, Miss A., M.A. Bom. and Poona, Ph.D. Jr. Lectr.

Social Work

Vakharia, Miss Parin, B.A. Bom, M.S. Col, Ph.D. N.Y. Prof.
Swoboda, Miss Olive, M.S.W. Col. Prof.

Senior Lecturers

Malani, Miss Indra D., B.S., M.Sc. Oklahoma, M.S.W. Mich.
Menon, Miss Amu K., B.A., L.T. Madr., M.A.(S.S.A.) Chic.

Phadke, Miss S W., B A , M.S.W. Calif.
Merani, Miss J C., A.B , M.S. Col.
Ranade, S. N., A.M , M.S. Col.

Junior Lecturers
Singh, W. P., B.A Agra, Dip. S.S A.
Bhatt, Mrs. Perviz M., B.A. Bom., Dip.S.S.A.

Sociology
Srinivas, M. N., M.A., LL.B., D Phil. Oxon., Ph.D. Prof.
Desai, I. P., M.A., Ph.D. Reader.

Statistics
Readers
Bhatt, N. M., M Sc , Ph.D. Edin , F S.S.
Bhanot, Mrs. Indira V., M.A., M.Sc. Lond.

Junior Lecturers
Patel, M. S , M.Sc.
Vashi, D. G., M.Sc. Bom and Lond.

Urdu
Quaraishi, M. A., M.A., B.T., M.Ed. Jr. Lectr.

Zoology
George, J. C., B.Sc., Ph.D. Reader.
Ranade, V. D., M.Sc. Jr. Lectr.
Shah, R. V., M.Sc. Jr. Lectr.

Home Science

Child Development
Mehta, Miss Amita J., B.A., M.A. (Educn.) Mich. Sr. Lectr.
Bhagat, Mrs. T. H , B.A., M.Sc. Corn. Jr. Lectr.

Foods and Nutrition
Kittrell, Miss F. P., M.S., Ph.D. Ohio State Prof.
Gore, U. R., M.S. Ohio State, M.Sc. Sr. Lectr.
Malhan, Miss S., Dip. Home Sci., T.T.D. Jr. Lectr.

Home Science Education
Devadas, Mrs. Rajammal P., M.A., M.Sc., Ph.D. Ohio State Prof.
Chari, Miss Padma S , B.A., B.T. Madr., M.Sc. Phil. Inst.Tech. Sr. Lectr.
Christie, Miss H., B.Sc (Home) Jr. Lectr.

Home Management
Karandikar, Mrs. Kumudini G., B.A. Nag., M.A. Ohio State Sr. Lectr.
Pandit, Miss Savitri, B.A. Madr., T.T.D., Dip. Home Sci. Jr. Lectr.
Shrieves, Miss P. M., B.Sc. (Home), B.T. Jr. Lectr.

Medicine

Anatomy
Bhatt, K. K., M.S. Prof.
Varde, Miss V. R., M.Sc., Ph.D. Sr. Lectr.

Forensic Medicine
Chavan, R. R., M.B., B.S. Med. Off. in Charge, Medico-Legal Dept., S.S.G. Hosp.

Medicine
Ambegaonkar, S. D. Hon. Physician.
Luhar, P M. Hon. Physician.
Munshi, C. P., M.D. Hon. Physician.
Shah, C. P., M.D. Hon. Asst. Physician.
Patel, M. V., M.D. Hon. Asst. Physician.
Vaidya, P. M., M.D. Hon. Asst. Physician.

Normal Psychology and Psychiatry
Mukerji, A. N., M.B., M.Sc. Supt., Mental Hosp., Baroda.

Obstetrics and Gynæcology

Patel, T. V., M.D.
Hon. Obstetrician and Gynæcologist.
Patel, Mrs. Indumati T., M.D.
Hon. Obstetrician and Gynæcologist.
Pandit, R. D., M.D.
Hon. Asst. Obstetrician and Gynæcologist.
Patel, V. G., M.D.
Hon. Asst. Obstetrician and Gynæcologist.

Ophthalmology

Shah, V. M., M.B., B.S., D.O.
Hon. Ophthalmic Surg.
Sudhalkar, M.B., B.S., D.O.
Hon. Asst. Ophthalmic Surg.

Pathology

Mordecai, J., M.D. Prof.
Sahgal, K. N., M.D. Lectr.
Shah, H. H., M.B., B.S. Lectr.

Pediatrics

Shah, S. H., D.C.H., D.T.M. and H. Lond.
Hon. Pediatrician.
Shah, J. M., M.B., B.S., D.C.H.
Hon. Pediatrician.

Pharmacology

Karandikar, G. K., M.S., Ph.D. Yale Prof.

Physiology

Pathak, J. D., B.Sc., M.D.
Prof.
Ganla, V. G., M.D. Sr. Lectr.
Pai, M. L., M.Sc., Ph.D. Lectr.

Preventive and Social Medicine

Majmudar, R. J., M.B., B.S., D.P.H. Lond.
Health Off., Baroda Borough Municipality.

Radiology

Gandhi, A.M., M.B., B.S., D.M.R., D.M.R.T. Lond.
Hon. Radiologist.

Surgery

Patel, M. A., M.D., F.R.C.S., F.R.F.P.S. Glas. Hon. Surg.
Kothari, A. B., M.S., F.R.F.P.S. Glas. Hon. Surg.
Desai, R. C., M.S. Hon. Surg.
Patel, M. D., M.S. Hon. Asst. Surg.
Desai, J. H., M.S. Hon. Asst. Surg.
Patel, M. S., M.S. Hon. Asst. Surg.

Tuberculosis

Punjari, B. M., F.R.C.S.
Supt., S.P. Sanatorium.

Technology

Applied Mechanics

Madan, P. J., B.Sc. Edin., M.Sc., D.I.C. Lond., D.C.E. Karachi Prof
Dighe, R. S., B.E. (Civil) Reader.
Malkani, J. H., B.E. (Civil)
Sr. Lectr.
Pradhan, G. K., B.E.(Civil).
Jr. Lectr.

Architecture

Dave, M. B., G.D. Arch. Reader.
Achwal, M. B. Reader.
Pandit, S. H., B.A. Bom., G.D. Arch. Sr. Lectr.
Thomre, K. K. Jr. Lectr.

Civil Engineering

Subbarao, D., B.E. (Civil) Mys.
Prof.
Shah, N. A., B.E.(Civil) Lond.
Sr. Lectr.
Dastur, D. B., Dipl. in San. Eng.
Sr. Lectr.
Damle, S. K., B.E. (Civil)
Jr. Lectr.
Hiryur, N. Y., B.Sc., B.E. (Civil)
Jr. Lectr.

Electrical Engineering

Sen, S. M., M.Sc. Dacca, D.I.I.Sc., M.S. (E.E.), Ph.D. (E.E.) Ill. Prof.
Roy, S. K., B.Sc. (Eng.) Ban.
Reader.
Thakore, K. K., B.Sc. Bom., B.Sc. (Eng.) Ban. Sr. Lectr.

Shah, K. D., B.E. (Elec.) Sr. Lectr.
Makhijcni, D. P., B.E. (Elec.) Sr. Lectr.
Panchal, M. R., D.E.E. Jr. Lectr.

Mechanical Engineering

Shah, L. B., B.Sc. (Eng.), M.Sc. (Tech.) Manc. Prof.
Oza, K. D., B.Sc. (Eng.) Sr. Lectr.
Joshi, T. N., B.Sc. Bom., B.Sc. (Elec.), B.Sc. (Mech.) Ban. Sr. Lectr.
Dighe, S. S., B.E. (Mech.) Sr. Lectr.
Shah, S. J., B.E. (Mech. & Elec.) Jr. Lectr.
Dave, B. G., D.M.E. Jr. Lectr.
Shah, K. S., B.E. (Mech.) Jr. Lectr.
Karamchandani, C. J., D.M.E. Karachi Asst. Lectr.
Desai, D. R. Asst. Lectr.

Textile Chemistry

Desai, R. L., B.Sc., M.Sc. (Tech.) Bom., Ph.D. Leeds Reader.
Warty, S. S., B.A., B.Sc. (Tech.) Jr. Lectr.

Textile Engineering

Patel, K. H., B.Sc. (Eng.), M.Sc. (Tech.) Manc. Reader.
Krishnamurthy, K., D.T.T. Ind. Inst. Sci., B.Sc. (Text) Mys. Sr. Lectr.
Treasurer, C. N., D.W.T. Jr. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Univ. Engineer: N. B. Patel. Univ. Accountant: A. C. Mody. Office Supt.: B. M. Nanavaty. Capt. Commanding 6th Bombay Battalion, N.C.C., Baroda: Capt. T. K. Vijayrangam. Supt., Phys. Educn.:.....; Phys. Instrs.: M. V Seshachar, H. J. Parikh, C. C. Bhaiya, P. N. Thakore. Physical Instructress: Miss P. G. Sapra. Wardens of Halls of Residence: C. M. Shukla, L. J. Bhatt, C. M. Patel, Miss S. Malhan. Supt., Chetan Balwadi: Miss Amita J. Mehta. Hon. Medical Officer: Dr. G. S. Apte; Hon. Medical Officer for Women: Dr. Mrs. S. Shah. Asst. Librarian, Univ. Library (on leave): C. P. Shukla. Principal, University Experimental High School: K. S. Tagnik. Manager, M.S. Univ. Press: R. J. Patel, B.A.

CONSTITUENT INSTITUTIONS

INTERMEDIATE COLLEGE, Station Road, Baroda. (*Telephone*: 2380.) Principal—V. D. Salgaonkar, M.A., LL.B.

COLLEGE OF INDIAN MUSIC, DANCE AND DRAMATICS, South of Sursagar, Baroda. (*Telephone*: 2462.) Principal—R. C. Mehta, B.A.

ORIENTAL INSTITUTE, Tower Building, Kothi, Baroda. (*Telephone*: 2727.) Dir.—G. H. Bhatt, M.A.

BARODA SANSKRIT MAHAVIDYALAYA. Principal—H. C. Mehta, M.A., B.T.

RECOGNIZED INSTITUTION

BARODA MUSEUM AND PICTURE GALLERY, Sayaji Park, Baroda. (*Telephone*: 2605.) Dir.—V. L. Devkar, M.Sc.

GENERAL INFORMATION

The idea of establishing a Univ. at Baroda had engaged the attention of the Govt. of the former State of Baroda as far back as 1908, and the idea was

brought to the forefront by many experts in subsequent years. In 1927 the Baroda Univ. Commission apptd. by the Govt. of Baroda submitted a report making out a strong case for immediate establ. of a Univ. Circumstances, however, did not permit this. In 1949 another Cttee., consisting of eminent educationists apptd. by the Govt. of Baroda, recommended the establ. of a residential Univ. The Univ. was establd. in April 1949 under the Maharaja Sayajirao University of Baroda Act.

CONSTITUTION. His Highness the Maharaja of Baroda is Chancellor of the Univ. The Vice-Chancellor is the principal executive and academic officer and is to be asstd. by a Pro-Vice-Chancellor or Rector. The Vice-Chancellor and Pro-Vice-Chancellor or Rector are elected by the Senate from amongst the names of panels submitted by the Syndicate. The Senate is the supreme governing body and authority of the Univ. and the Syndicate its executive authority. Among the other authorities are the Council of Postgraduate Studies and Research which deals with all postgrad. matters, and the Facs. and Bds. of Studies which are principally responsible for all other academic matters. Provision has also been made in the Act for the establ. of a Bd. of Extra Mural Studies, Bd. of Sports, Students' Welfare Bd. and Publications Bd.

INCOME (estimate for July 1, 1954 to June 30, 1955). Total Income—Rs. 30,23,452. Principal sources—Govt. grants, 41 per cent.; fees, 34 per cent.; endowments, 10 per cent. Total estimated expenditure—Rs. 35,19,243.

FACULTIES AND DEANS. *Arts*, V. Y. Kantak, Station Road, Baroda; *Sci.*, N. M. Bhatt, Station Road, Baroda; *Educn. and Psychol.*, Prof. T. K. N. Menon, Station Road, Baroda (the Univ. Exper. High Sch. is attached to the Fac. for practice and experiments in teaching); *Comm.*, Prof. V. Y. Kolhatkar, Station Road, Baroda; *Med.*, Dr. A. N. de Quadros, Station Road, Baroda; *Technol.* (including Engin.), Prof. D. Subbarao, Rajmahal Road, Baroda (the Technical High Sch. is attached to the Fac.); *Fine Arts*, Prof. M. C. Bhatt, University Road, Baroda; *Home Sci.*, Mrs. Rajammal P. Devadas, University Road, Baroda (the Chetan Balwadi—a pre-primary sch.—is attached to the Fac. for teaching Home Econ., Child Development, etc.); *Soc. Work*, Miss Parin Vakharia, University Road, Baroda.

LIBRARIES. Central Univ. Library; Specialized libraries in all Facs., Insts., and Halls of Residence. Oriental Inst. Library has 14,051 MSS. and 14,623 books. Total stock in all Libraries: 117,822.

MUSEUMS. Ancient Mus. Instruments; Archæol.; Teaching Aids; all depts. of Med. Fac.

LABORATORIES, ETC. Chem., Phys., Bot., Zool., Geol., Stats.; all depts. of Home Sci., Med., and Technol. Facs. Studios and workshops for Fine and Appl. Arts.

Bot. Garden; Herbarium; Observatory; Rasashala for res. in Ayurveda; Experimental High School.

TEACHING HOSPITALS. Shri Sayaji General, Padmavati T.B. Sanatorium, Jamnabai Hosp.

ADMISSION. Students who have passed the Bombay Secondary Sch. Certif. examn. or Entrance, Matric. or equivalent examn., or recognized examn. of Bombay, Poona, Karnatak, Gujarat or any other Statutory Univ. that may be established in the State of Bombay, or other recognized examn. of other Indian Statutory Univs., will be admitted to the Univ. Admission to B.A., B.Sc. or B.Com. course is granted only to those who have passed Inter. Examn of this Univ. or equivalent examn. of any other Indian Univ. Admis-

sion to B.Ed. course is granted to those who have obtained Bachelor's degree in Arts, Sci. or Comm. Admission to B.E. course is granted only to those who have passed Inter. Sci. examn. with Maths. Admission to M.B., B.S. course is granted to those who have passed Inter. Sci. examn. with Biol. Admission to M.S.W. course is granted to graduates of this or any other statutory Univ.

DEGREE COURSES. B.Ed., 1 yr. after graduation; B.A., B.Sc., B.Com., 2 yrs. after Inter Arts, Inter Sci., Inter Comm.; Shastri, 2 yrs.; B.E. (Civil, Mech., Elect.), 3 yrs. after Inter Sci.; B.Sc. (Home), B.Text. (Eng.), 4 yrs.; B.A. (Fine), B.Mus., 4 yrs. after Matric.; B.Arch., 5 yrs.; M.B., B.S., 5½ yrs. after Inter Sci.

HIGHER DEGREES. M.A., M.Ed., M.Sc., M.Com., M.A. (Fine), M.Mus., M.Sc. (Home), M.S.W., 2 yrs.; M.D., M.S., 2 yrs.; Ph.D. in Arts, Sci., Comm., 2 yrs.; Arharya, 2 yrs.

DIPLOMAS. Teaching (T.D.), Co-operation, 1 yr. after Matric.; Engin. (D.C.E., D.M.E., D.E.E.), Textile Chem. (D.T.C.), 3 yrs.; Dance, Dramatics, 3 yrs.; Textile Technol., 4 yrs.; Painting, Sculpture, Appl. Arts, 4 yrs.; Music, 5 yrs.; Visharad, 5 yrs.; also post-Dipl. courses in Painting, Sculpture, Appl. Arts, 2 yrs.

POSTGRADUATE DIPLOMAS. Banking, 1 yr.; Ophthalmol. (D.O.), Anæsthesiol. (D.A.), Laryngol. and Otol. (D.L. & O.), Med. Radiol. and Electrol. (D.M.R. & E.), Pediatrics (D.Ped.), Venerol. and Dermatol. (D.V. & D.), Tubercular Diseases (T.D.D.), Clin. Pathol. (D.C.P.), 1 yr.; Museol., 2 yrs.

STUDY LEAVE. May be granted to not more than 3 members of teaching staff at a time. Study leave up to 2 yrs. can be granted to members below the age of 47 after at least 5 yrs.' permanent service. Payment of all educn. fees, salary subject to a max. of Rs. 300 p.m. and 2nd class rail and steamer fare from Baroda to place of study and back.

FEES. Tuition per term: Degree course—Arts, Sci., Rs. 90; Educn. and Psychol., Rs. 120; Comm., Rs. 100; Technol., Rs. 150; Fine Arts, Home Sci., Rs. 50. Higher degree courses—Arts, Comm., Rs. 60; Sci., Rs. 60 (for Maths.), Rs. 75 (other); Educn. and Psychol., Rs. 75 (for 2 yrs. by papers), Rs. 150 (for 1 yr. by papers), Rs. 60 (for thesis); Fine Arts, Home Sci., Rs. 30; Soc. work, Rs. 50. Diploma courses—Educn. and Psychol., Rs. 60; Technol., Rs. 75; Fine Arts, Rs. 50. Post-dipl. courses—Fine Arts, Rs. 30. Postgrad. dipl. courses—Comm., Fine Arts, Rs. 50. In the Coll. of Indian Music, Dance and Dramatics, monthly fees are charged.

Laboratory fees per term: Fine Arts (all courses except Postgrad. dipl.), Rs. 20; Home Sci. (Degree and higher degree courses), Rs. 20; Sci. (Degree courses), Rs. 20 (F.Y.), Rs. 25 (Inter.), Rs. 20 (for Maths.), Rs. 40 (B.Sc.).

SCHOLARSHIPS. Postgrad. Scholps. of Rs. 30 p.m.: 4 each for Arts and Sci., 2 each for Educn. and Psychol., Comm., Fine Arts, Music, Home Sci., Soc. Work.

HALLS OF RESIDENCE. For men: Shri Manubhai Mehta Hall, University Campus, Baroda (*Telephone*: 2735), 130 students; Maharshi Arvind Hall, University Campus, Baroda, 130 students; Shri Dadabhai Naoroji Hall, University Campus, Baroda, 66 students; Bungalow No. 11 Hostel, Rajmahal Road, Baroda, 50 students; Salat-wada Hostel, Salat-wada, Baroda, 50 students; Keshavprasad Hostel, Bagikhana Road, Baroda, 26 students. For women: Shrimati Sarojinidevi Hall, University Road, Baroda (*Telephone*: 2468), 160 students. Fees: Rs. 62 per term.

STAFF RESIDENCES. The Univ. has seven residential bungalows, 18 flats and 25 small cottages.

NATIONAL CADET CORPS. The Univ. National Cadet Corps, Sr. Div., the 6th Bombay Battalion N.C.C., has total strength of 315 cadets. Staff of one C.O., two J.C.O.'s and N.C.O.s from regular army, and ten N.C.C. Officers from amongst members of staff of the Univ.

AUXILIARY CADET CORPS. The Univ. has also introduced the A.C.C. Scheme which aims at developing character and capacity for leadership. The scheme is compulsory for students of the first two yrs. in degree and diploma classes.

STUDENT HEALTH SERVICE. The Univ. arranges every year a thorough medical examn. of all students. The Univ. has also appointed two Hon. Med. Officers, one for men and one for women, who visit the Halls of Residence regularly and attend to the ' follow up ' work of cases marked by the Med. Examn. Bd.

STUDENTS' UNION. The executive cttee. consists of the Pres. apptd. by the Univ. from amongst members of staff, the Treasurer apptd. by the Vice-Chancellor from amongst members of staff, and 18 elected student representatives of different Facs. and Insts. of the Univ. The Vice-Chancellor is Patron of the Union. The Union holds debates, arranges public lectures, and maintains a library, reading room, games room, co-operative store and co-operative bank.

PUBLICATIONS. *Handbook, Part I* (Univ. Authorities, Staff) annually, *Part II* (Statutes and Ordinances) 1952, *Part III* (Syllabuses, Entrance Requirements) in press, *Part IV* (prescribed and recommended text-books) in press ; *Annual Report* ; *Univ. Journal* (March, October) ; *Journal of Oriental Institute* (quarterly) ; *Journal of Education and Psychology* (quarterly) ; *Baroda through the Ages* (Archæological Series).

UNIVERSITY PRESS. All printing work of the Univ., Facs. and Insts. is undertaken by the Univ. Press, which is supervised by a Cttee. apptd. by the Syndicate. Publications include Gaekwad Oriental Series and critical edns. of old Gujarati texts.

THE YEAR 1952–53

BENEFACTION. Sir Sayajirao Diamond Jubilee and Memorial Trust Fund, Rs. 3,17,000.

NEW BUILDINGS. Completed : Extension to Workshop, Fac. of Technol. ; Engineering Coll. ; Hydraulic Cement Testing Lab. ; Painting, Sculpture, General Studios ; Exhibn. Hall ; Workshop in Univ. Exp. High Sch. In progress : Compound wall and Textile Testing Lab. ; Southern Wing, Women's Hostel ; Hall in Fac. of Arts.

NEW DEPARTMENTS AND POSTS. Reader in Sociol. ; Sr. Lectr. in Hist. ; Jr. Lectr. in Gujarati ; Jr. Lectr. in Stats. ; Jr. Lectr. in Civil Engin. ; Jr. Lectr. in Mech. Engin. ; Jr. Lectr. in Sculpture ; Jr. Lectr. in Lithography.

RETIREMENTS. S. S. Joshi (Sr. Lectr. in Engl.) ; Dr. M. R. Majumdar (Sr. Lectr. in Gujarati).

RESIGNATIONS. Miss Amya Sen (Educn. & Psychol.) ; P. M. Patkar (Arch.) ; L. I. Bhatt (Civil Engin.) ; T. V. Sundərasen (Appl. Mechanics) ; C. H. Khadilkar (Appl. Mechanics) ; H. Goetz (Art Hist.), Miss Leela Desai

(Home Econ.) ; Miss Nirmala Bhatt (Supdt., Women's Hostel) ; S. Dasgupta (Soc. Work) ; V. Gopalan (Soc. Work).

STUDENT NUMBERS. (July 1953.)

	Full-Time	*Part-Time*
Men	4008	..
Women	577	..
Total	4585	..

Postgraduate students, 364.

DEGREES CONFERRED (at Third Convocation, Oct. 1953). Ph.D., 1 ; M.A., 12 ; B.A. (Special), 85 ; B.A. (General), 7 ; Alankara, 4 ; Acharya, 1 ; Shastri, 3 ; M.Sc., 9 ; B.Sc., 132 ; M.Ed. (by thesis), 1 ; M.Ed. (by papers), 9 ; B.T., 79 ; M.Com., 5 ; B.Com., 74 ; B.E., 7 ; B.Sc. (Home), 2 ; M.S.W., 13.

DIPLOMAS AND CERTIFICATES AWARDED. T.D., 36 ; D.M.E., 31 ; D.E.E., 15 ; D.C.E., 32 ; D.T.C., 9 ; D.W.T., 7 ; D.A., 6 ; Dip. in Music, 7 ; Dip. in Ptg., 2 ; Jyotish Visharad, 1 ; Vyakaran Visharad, 1.

[*Information compiled as at* 10/7/54.]

BIHAR UNIVERSITY*

Founded 1952

Postal Address: Patna 4, Bihar State, India.
Telephone: Patna 2760.

CHANCELLOR—RANGANATH RAMACHANDRA DIWAKAR, M.A., B.L.

VICE-CHANCELLOR—SYAMNANDAN SAHAYA, B.A., M.P.

TREASURER—RAMESHWAR PRASAD SINGH, B.A., M.L.C.

REGISTRAR—BISHWA MOHAN KUMAR SINHA, B.A. Lond., M.A., B.L.

FACULTIES AND DEANS—*Agric.*—R H. RICHHARIA, Ph.D.; *Arts*—FAZLUR RAHMAN, B.A. Lond.; *Comm.*—GIRIDHAR CHAKRAVARTY, M.A.; *Educn.*—.....; *Engin.*—D. L. DESHPANDE, M.Sc.; *Law*—KISHORE NARAYAN, M.A., B.L.; *Med.*—B. N. BANERJI, M.B., F.R.C.S.; *Mining and Appl. Geol.*—.....; *Sci.*—KESHAW PRASAD SINHA, M.Sc.; *Vet. Sci.*—HANS RAJ KAPUR.

CONTROLLER OF EXAMINATIONS—AMARENDRA NARAYAN, M.Sc.

INSPECTORS OF COLLEGES—PHULDEO SAHAY VARMA, M.Sc.; BIMAN BIHARI MAJUMDAR, Ph.D., M.A.

DEPUTY REGISTRAR—PINAKPANI ROY CHOUDHURY, B.Sc.

COLLEGES MAINTAINED BY THE UNIVERSITY

BHAGALPUR, *Tej Narayan Jubilee College.* (*Telephone*: Bhag. 73.) Post-grad. dept. only. Provides Master's Courses in Hindi, Hist., Maths. and Comm. Principal—J. Mishra, M.A., D.Phil.; 72 other teachers.

MUZAFFARPUR, *Langat Singh College.* (*Telephone*: Muz. 61.) Provides Master's Courses and Hons. Courses in Engl., Hindi, Hist., Econ., Sansk., Philos., Psychol., Maths., Phys. and Chem.; Hons. Courses in Persian and Urdu.; B.A. Pass and B.Sc. Pass. Principal—F. Rahman, B.A. Lond.; 59 other teachers.

RANCHI, *Ranchi College.* (*Telephone*: Ranchi 241.) Provides Master's courses in Hindi, Hist., Geog., Anthropol. and Pol. Sci.; Hons. Courses in Hist., Econ., Bengali, Geog., Hindi, Engl., Maths. and Pol. Sci.; B.A. Pass and B.Sc. Principal—G. P. Dubey, M.Sc. Camb.; 49 other teachers.

COLLEGES ADMITTED TO THE PRIVILEGES OF THE UNIVERSITY

First Grade Degree Colleges

ARRAH, *Harprasad Das Jain College.* (*Telephone*: Arrah 72.) Provides Hons. Courses in Econ., Hindi and Pol. Sci.; Pass Courses in Hindi and Urdu Compositions, Sansk., Persian, Principal Hindi and Principal Urdu, Hist.,

* Member of the Association of Universities of the British Commonwealth.

Econ., Politics, Maths., Philos. and Geog.; B.Com. and I.Sc. in Phys., Chem., Maths. and Biol. Principal—B. B. Mukherji, M.A.; 56 other teachers.

AURANGABAD, *Sachchidananda Sinha College.* Provides Pass Courses in Vernacular Composition (Hindi and Urdu), Principal Hindi and Principal Urdu, Hist., Philos., Sansk., Econ. and Maths.; B.Com. Principal—B. N. Madhava, M.A.; 17 other teachers.

BEGUSARAI, *Ganesh Dutta College.* Provides Hons. Course in Hindi and Hist.; Pass Courses in Vernacular Composition (Hindi, Urdu and Bengali), Principal Hindi, Hist., Pol. Sc., Sansk., Philos., Anc. Hist. and Culture, Econ and Maths.; I.Com. Principal—Giridhar Chakravarty, M.A.; 24 other teachers.

BHAGALPUR, *Marwari College.* (*Telephone*: Bhag. 36.) Provides teaching up to B.Com. standard. Principal—Bholanath Mukherjee, M.A.; 24 other teachers.

BHAGALPUR, *Sundarvati Mahila Mahavidyalaya.* (*Telephone*: Bhag 131.) Provides Pass Courses in Vernacular Composition (Hindi and Bengali), Principal Hindi, Principal Bengali, Sanskrit, Philos., Econ., Hist., Pol. Sci. and Maths. Principal—Mrs. Lakshmi Simha, M.A.; 14 other teachers.

BHAGALPUR, *Tej Narain Jubilee College.* (*Telephone*: Bhag. 73.) Provides Hons. Courses in Engl., Hindi, Sansk., Econ., Philos., Persian, Hist. and Maths.; B.A. Pass and B.Sc. Hons. in Maths., Chem., Bot. and Zool. and B.Sc. Pass in Phys., Chem., Bot., Zool., and Maths. Principal—J. Mishra, M.A., D.Phil.; 72 other teachers.

BIHAR SHARIFF, *Nalanda College.* (*Telephone:* Bihar 41.) Provides Hons. Course in Hindi and Econ.; Pass Courses in Vernacular Composition (Hindi and Urdu), Pali, Principal Hindi and Urdu, Hist., Econ., Pol. Sci., Geog., Maths. and Philos.; I.Sc. in Phys., Chem., Geog. and Maths. Principal—D. P. Srivastava, M.A., B.L.; 27 other teachers.

CHAPRA, *Rajendra College.* (*Telephone*: Chap. 21.) Provides Hons. courses in Econ. and Hindi; Pass Courses in Vernacular Composition (Hindi, Urdu and Bengali), Sansk., Persian, Principal Hindi and Principal Urdu, Hist., Econ., Pol. Sc., Philos. and Maths.; B.Sc. in Phys., Chem. and Maths.; B.Com. Principal—Manoranjan Prasad Sinha, M.A.; 49 other teachers.

DARBHANGA, *Chandradhari Mithila College.* (*Telephone*: Dar. 51.) Provides Hons. Courses in Engl., Hindi, Urdu, Maithili and Sanskrit; Pass Courses in Vernacular Composition (Hindi, Urdu, Maithili and Bengali), Sansk., Persian, Principal Hindi and Principal Urdu, Maithili, Hist., Econ., Pol. Sci., Philos. and Maths.; B.Sc. in Phys., Chem., Maths., Bot. and Zool.; B.Com. Principal —A. K. Mukherji, M.A. Oxon. 64 other teachers.

GAYA, *Gaya College.* Provides Hons. courses in Hindi, Maths. and Philos.; Pass Courses in Vernacular Composition (Hindi, Urdu and Bengali), Sansk., Principal Hindi and Principal Urdu, Hist., Econ., Geog., Maths. and Philos.; B.Com. and I.Sc. Principal—K. S. Varma, Ph.D.; 55 other teachers.

HAZARIBAGH, *St. Columba's College.* Provides Hons. Courses in Engl., Econ. and Philos.; Pass Courses in Vernacular Composition (Hindi, Urdu and Bengali); Sansk., Persian, Principal Hindi, Maths., Hist., Philos. and Econ.; B.Sc. in Phys., Chem. and Maths.; also I.Sc. Biol. Principal—A. F. Markham, M.A. Oxon.; 25 other teachers.

JAMSHEDPUR, *Co-operative College.* Provides Pass Courses in Engl., Vernacular Composition (Hindi, Urdu, Bengali and Oriya), Principal Hindi and Bengali, Econ., Hist., Maths., Pol. Sci., Philos., and Stats.; also B.Com. Principal—Mrs. Abraham; 25 other teachers.

KHAGARIA, *Koshi College.* Provides Pass Courses in Vernacular (Hindi and Urdu), Sansk., Principal Hindi and Principal Urdu, Hist., Philos., Maths. and Econ.; also I.Com. Principal—I. Dutta, Ph.D. Munich; 16 other teachers.

MADHUBANI, *Ram Krishna College.* Provides Pass Courses in Vernacular Composition (Hindi, Urdu and Bengali), Principal Hindi, Sansk., Maithili, Hist., Maths., Econ., Philos. and Geog.; I.Com. Principal—Arun Kumar Dutta, M.A., B.L.; 20 other teachers.

MONGHYR, *R.D. & D.J. College. Telephone*: Mong 66.) Provides Hons. Courses in Hindi, Hist., Engl., Pol. Sci. and Econ.; Pass Courses in Vernacular Composition (Hindi, Urdu and Bengal), Sansk., Persian, Principal Hind, Bengali and Urdu, Econ., Hist., Pol. Sci., Philos. and Maths.; B.Com.; I.Sc. in Physics, Chemistry, Maths. and Biol. Principal—Satyendra Kumar Datta, M.A.; 40 other teachers.

MOTIHARI. *Munshi Singh College.* (*Telephone*: Moti. 55.) Provides Hons. Course in Hindi and Pass Courses in Vernacular Composition (Hindi, Urdu and Bengali), Principal Hindi and Urdu, Philos., Hist., Econ. and Maths.; I.Sc. in Phys., Chem., Maths. and Biol.; I.Com. Principal—Keshaw Prasad Sinha, M.Sc.; 22 other teachers.

MUZAFFARPUR, *Darshan Das Mahila College.* (*Telephone*: Muz. 171.) Provides Pass Courses in Vernacular Composition (Hind, Urdu and Bengali), Sansk., Principal Hindi and Bengali, Hist., Econ. and Philos. Principal—Atulananda Sen, M.A.; 11 other teachers.

MUZAFFARPUR, *Ramdayalu Singh College.* (*Telephone*: Muz. 137.) Provides Pass Courses in Vernacular Composition (Hindi and Urdu), Hist., Econ., Maths., Philos., Sansk., Persian, Principal Hindi, Pol. Sci. and Maithili; B.Com. Principal—Gaya Prasad Singh, M.A.; 31 other teachers.

PURNEA, *Purnea College.* Provides Pass Courses in Vernacular Comp. (Hindi, Urdu and Bengali), Principal Hindi, Urdu and Bengali; Sansk., Hist., Econ., Maths. and Philos.; I.Com. Principal—J. P. Jha, M.A.; 20 other teachers.

PURULIA, *J.K. College.* Provides Pass Courses in Engl., Vernacular Composition (Hindi and Bengali), Principal Hindi and Bengali, Econ., Hist., Sansk., Maths., Pol. Sci., and Philos. Principal.—A. K. Prasad, M.A.; 13 other teachers.

RANCHI, *Ranchi Women's College.* (*Telephone*: Ran. 265.) Provides Pass Courses in Vernacular Composition (Hindi, Urdu and Bengali), Principal Hindi and Bengali, Sansk., Econ., Hist., Dom. Sc. and Philos. Principal—Mrs. Bhanumathy Prasad, M.A.; 12 other teachers.

RANCHI, *St. Xavier's College.* Provides Hons. Courses in Engl., Hindi and Maths.; Pass Courses in Vernacular Composition (Hindi, Urdu and Bengali), Latin, Principal Hindi and Bengali, Hist., Maths., Econ. and Geog.; B.Sc. Hons. in Maths.; Pass Course in Phys., Chem., Geol. and Maths.; B.Com. Principal—Rev. A. Schockaert, Ph.D.; 35 other teachers.

SAMASTIPUR, *Samastipur College.* Provides Pass Courses in Vernacular Comp. (Hindi and Urdu), Sansk., Persian, Principal Hindi and Urdu, Hist., Econ., Pol. Sc., Maths. and Philos. Principal—C. S. Kesari, M.A.; 11 other teachers.

SIWAN, *D.A.V. College.* Provides Pass Courses in Vernacular Composition Hindi and Urdu), Sansk., Persian, Principal Hindi, Principal Urdu, Hist.,

Econ., Pol. Sci., Philos. and Maths.; I.Com. Principal—Munishwaranand Giri, M.A.; 14 other teachers.

Second Grade Colleges

BARH, *Anugrah Narain Sinha College.* Provides teaching up to I.A. standard. Principal—Suraj Prasad Singh, M.A.; 9 other teachers.

CHAIBASSA, *Tata College.* Provides teaching up to I.A. standard. Principal —.....; 10 other teachers.

DEOGHAR *Deoghar College* (*Telephone*: Deo. 89). Provides teaching up to I.A. standard. Principal—Krishna Nandan Sahay, M.A.; 8 other teachers.

HAJIPORE, *Rajuarayan College.* Principal—N. C. Bhattacharya, M.A.; 7 other teachers.

JHARIA, *Raja Shiba Prasad College.* Provides teaching up to I.A. and I.Sc. standards. Principal—M. C. Shastri, M.A.; 10 other teachers.

NARAYANPUR, *Jay Prakash College.* Provides teaching up to I.A. standard. Principal—R. B. Prasad, M.A.; 6 other teachers.

SAHARSA, *Saharsa College.* Provides teaching up to I.A. standard. Principal—S. N. Sinha, M.A., B.L.; 7 other teachers.

SAHIBGANJ, *Sahibganj College.* Provides teaching up to I.A. standard. Principal—S. Govind, M.A.; 7 other teachers.

SASARAM, *S.P. Jain College.* Provides teaching up to I.A. and I.Com. standards. Principal—Kamleshwari Saran, M.Com.; 11 other teachers.

SITAMARHI, *S.R.K. Goenka College.* Provides teaching up to I.A. and I.Com. standards. Principal—Beni Madhava Mishra, M.A.; 11 other teachers.

Professional Colleges

BHAGALPUR, *T.N.J. College.* (*Telephone*: Bhag. 73.) B.L. Parts I & II. Principal—J. Mishra, M.A., D.Phil.; 5 other teachers.

DARBHANGA, *C.M. College.* (*Telephone*: Dar. 51.) B.L. Parts I & II. Principal—P. K. Chaudhary, M.Sc.; 5 other teachers.

DARBHANGA, *Medical College.* (*Telephone*: Laheriasarai 28.) M.B., B.S. Final. Principal—B. N. Banerji, M.B., F.R.C.S.; 32 other teachers.

DHANBAD, *Indian School of Mines and Applied Geology.* (*Telephone*: Dhanbad 3.) B.Sc. (Mining) and M.Sc. (Mining). Principal—R. P. Sinha; 33 other teachers.

MUZAFFARPUR, *S.K.J. Law College.* (*Telephone*: Muz. 144.) B.I. Parts I & II. Principal—Kishore Narayan, M.A., B.L.; 5 other teachers.

PATNA, *Bihar Veterinary College.* (*Telephone*: Pat. 2221.) B.V.Sc. and Animal Husbandry Final. Principal—Hans Raj Kapur; 9 other teachers.

SABOUR, *Bihar Agricultural College.* (*Telephone*: Bhag. 11.) B.Sc. (Agr.) Final. Principal—R. H. Richharia, Ph.D.; 35 other teachers.

SINDRI, *Bihar Institute of Technology.* B.Sc. (Eng.) Final in Electr. and Mech. Engin. Principal—D. L. Deshpande, M.Sc.; 10 other teachers.

GENERAL INFORMATION

The University of Bihar was established Jan. 2, 1952, by the University of Bihar Act, 1951. It is an affiliating and teaching University. The Act provides

for postgrad. teaching and res. in the affiliated colls. to be conducted directly by the Univ.; and teaching up to the 1st degree stage by the affiliated colls.

The Senate (about 150 to 160 members) is the supreme governing body of the Univ. and has the entire management of and superintendence over the affairs, concerns and property of the Univ. It is to be reconstituted every 3rd yr. The Syndicate (21 members) forms the executive body of the Univ. The Academic Council (31 to 35 members) is the chief academic body of the Univ.

FACULTIES AND DEANS. See p. 1274. There are also 36 Boards of Studies.

ADMISSION. Admission to the Inter. Course in Arts, Sci. and Comm. is open to holders of certifs. of Matric. or Secondary Sch. examn. or an examn. recognized by the Academic Council as equivalent thereto.

DEGREES AND DEGREE COURSES. B.A., B.Sc. (Pass & Hons.) and B.Com., 2 yrs. after Inter.; M.A., M.Sc., M.Com. and B.L., 2 yrs. after taking Bachelor's degree; B.Sc. (Eng.), 4 yrs., B.Sc. (Agr.), 3 yrs. after Inter. Sci.; M.B., B.S., 5 yrs. after Inter. Sci.; B.V.Sc. & A.H., 4 yrs. after Secondary Sch. certif. or some other examn. equivalent thereto. The Ph.D. is awarded to M.A.s, M.Sc.s and M.Com.s by examn. after 2 yrs.' res. The D.Sc. and D.Litt. are awarded to M.A.s or M.Sc.s after 5 yrs. and to Ph.D.s after 3 yrs.

ORIENTAL STUDIES. B.O.L. and M.O.L. degrees awarded after examn.

RESIDENCE. Students not living with their parents or guardians are required to live in college hostels or approved lodgings.

NATIONAL CADET CORPS. There are 3 Bihar Battalions which provide military training for students. The 1st Bihar Battalion provides for 164 students with 3 N.C.C. officers. The 2nd Bihar Battalion and 3rd Bihar Battalion provide for 470 students each and have 10 and 9 N.C.C. officers respectively. This military training is provided in the colls.

MEDICAL INSPECTION AND PHYSICAL EDUCATION. Provision has been made for inspection by qualified Med. Officers of students in the colls. Phys. Educn. is compulsory and the colls. have on their staffs qualified Phys. Instructors. There is provision for athletics in all colls.

PUBLICATIONS. *Calendar* (Vols. I and II).

THE YEAR 1952–53

VISIT BY MEMBER OF STAFF OF OTHER UNIVERSITY. Prof. A. J. Scheukman, Utrecht (10 lectures on "The American Election" and "Women's Education in Different Countries").

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	21,858	..
Women	344	..
Total	22,202	..

Postgraduate students, 229.

DEGREES AWARDED. *Agric.*: B.Sc. (Agr.), 23. *Arts*: B.A., 475; M.A., 41. *Comm.*: B.Com., 190. *Law*: B.L., 27. *Med.*: M.B., B.S., 37. *Sci.*: B.Sc., 54; M.Sc., 1. *Vet. Sci.*: B.Sc. in Vet. Sci. and Animal Husbandry, 10.

[*Information compiled as at July* 1954.]

UNIVERSITY OF BOMBAY*

Founded 1857

Postal Address: University Road, Fort, Bombay 1, India.
Telephone: Bombay 31079.

CHANCELLOR—H. E. THE GOVERNOR OF BOMBAY.

VICE-CHANCELLOR AND CHAIRMAN OF THE SYNDICATE—Sir NAVROJI JEHANGIR WADIA, B.A. Bom. and Camb.

REGISTRAR—S. R. DONGERKERY, B.A., LL.B.

LIBRARIAN—D. N. MARSHALL, M.A., Dip.Lib.

UNIVERSITY TEACHING STAFF

Agricultural Economics

Dantwala, M. L., M.A. (on deputation) Reader.
Desai, M. B., M.Com., Ph.D. Ag. Reader.

Lecturers

Naik, K. N., M.A., Ph.D.
Shah, C. H., Ph.D.

Chemical Technology

Venkataraman, K., M.A. Madr., D.Sc., Ph.D., M.Sc.Tech. Manc., F.R.I.C., F.N.I. Mody Prof.†
Shah, K. H., B.Sc. (Tech.), Ph.D. Res. Asst.

Chemistry, Colour

Dikshit, V. K., M.Ch.E. Brooklyn, B.Sc. (Tech.) Reader.
Ghaisas, V. V., B.Sc., B.Sc. (Tech.) Demr.

Chemistry, Inorganic and Physical

Ghosh, B. N., Ph.D. Leeds, M.Sc. Lectr.
Nabar, M. A., M.Sc. Demr.

Chemistry of Oils

Rebello, D., Ph.D. Pitt., B.Sc. (Tech.) Lectr.

Chemistry, Pharmaceutical

Khorana, M. L., B.S. (Pharm.) Sir Dorabji Tata Reader.
Baichwal, R. S., B.Sc., M.Sc. (Tech.) Demr.

Chemistry, Textile

Nabar, G. M., Ph.D. Manc., B.A., M.Sc., M.Sc. (Tech.), F.R.I.C., F.T.I. Prof.
Achwal, W. B., B.Sc., B.Sc. (Tech.) Demr.

Civics and Politics

Mukerji, K. P., M.A., B.L. Calc., D.Phil. Heidel. Sir Phirozeshah Mehta Prof.†
Dastur, Miss Aloo J., Ph.D. Reader in Politics.
Dwarkadas, R., M.A. Madr. Lectr. in Politics.

* Member of the Association of Universities of the British Commonwealth.
† Hd. of Univ. Dept.

Mehta, Miss Usha H., M.A., Ph.D. Edwin Montague Lectr. in Politics.

Colour Physics

Padhye, M. R., M.Sc., Ph.D. Ban. Singhanee Lectr.
Patel, J. C., M.Sc. Temp. Demr.

Dyeing and Printing

Daruwala, E. H., Ph.D. Manc., B.Sc., M.Sc. (Tech.) Reader.
Sahkari, V. D., B.Sc., B.Sc. (Tech.) Tech. Asst.
Bengeri, R. H., B.Sc., B.Sc. (Tech.) Demr.

Dyeing, Experimental

..... Lectr.

Dyestuff Technology

Tilak, B. D., D.Phil. Oxon., B.Sc. (Tech.), Ph.D. Prof.
Joshi, B. S., B.Sc. (Tech.), Ph.D. (On leave) Demr.
Rabindran, K., B.Sc. (Tech.), Ph.D. Temp. Demr.

Economics

Vakil, C. N., M.Sc. (Econ.) Lond., M.A., F.S.S. Prof.*
Lakdawala, D. T., M.A., Ph.D. Reader.

Lecturers

Krishnamurthy, B. V., M.A., Ph.D.
Brahmananda, P. R., B.A. Mys., Ph.D.

Engineering, Chemical

Kane, G. P., Ph.D. Lond., M.Sc., D.I.C. Prof.
Shah, S. M., Ph.D. Lond., B.Sc. (Tech.), D.I.C. Singhanee Reader.
..... Singhanee Lectr.
Kamat, B. K., B.Sc., B.Sc. (Tech.) Demr.
Pandit, R. R., B.Sc. (Tech.) Demr.

Engineering, General

Joshi, M. V., B.Sc. (Tech.) Manc., B.E. (Mech. and Elect.) Reader.
Ogale, V. M. Demr.

Food Technology

Srinivasan, A., M.A., D.Sc. Madr., F.R.I.C., F.N.I. Reader.
Alimchandani, H. R , B.Sc., B.Sc. (Tech.) Demr.

Fuel Technology

Pandya, S. B., B Sc., M Sc. (Tech.) Nag Singhanee Lectr.

Mathematics, Applied

Sen, D. K., M.Sc., Ph.D. Lectr.

Oils, Fats and Soaps

Kane, J. G., Ph.D. Wis , M.Sc. Sir Homi Mehta Reader.
Srinivasan, B., B.Sc., B.Sc. (Tech.) Demr.
Khanpara, C. B., B.Sc., M.Sc. (Tech.).

Pharmacy

Baichwal, Mrs. Manik R., B.Sc., M.Sc. (Tech.) Singhanee Lectr.

Plastics, Paints and Varnishes

Kamath, N. R., B.Sc., B.Sc. (Tech.) Sir Homi Mehta Reader.
Vyas, S. G., M.Ch.E. Brooklyn, B.Sc. (Tech.) Lectr.
Vidwans, D. B., B.A., B.Sc., M.Sc. (Tech.) Demr.
Dharap, N. D., B Sc., B.Sc. (Tech.) Demr.

Sociology

Ghurye, G. S., Ph.D. Camb., M.A. Prof.*
Kapadia, K. M., Ph.D. Reader.
Desai, A. R., Ph.D. Lectr.

* Hd. of Univ. Dept.

Cabinetmaker, Miss Perin H., Ph.D. (on leave) Lectr.
Chapekar, L. N., Ph.D. Actg. Lectr.

Statistics

Chakrabarti, M. C., M.Sc. Dacca Reader.*

Lecturers

Rao, K. S., M.A. And., Ph.D.
Kshirsagar, A. M., M.Sc.
Chamda, K. C., M.Sc. Calc.

Technical Chemistry

Demonstrators

Kedare, B. S., M.Sc., B.Sc. (Tech.)
.....
Tamhankar, M. N., M.Sc.

Workshop

Tamhankar, D. V. Instr.

ADMINISTRATIVE STAFF

Dep. Registrar: T. V. Chidambaran, B.A. Madr. Sec., Universities' Information Bureau: H. Remedios, M.A. Manager, Univ. Press: V. G. Moghe, B.A. Sec., Univ. Bd. of Sports: F. P. Suares, B.A. Manager, Univ. Journal K. S. Kolge, B.A.

CONSTITUENT INSTITUTIONS

University Department of Chemical Technology, founded 1934, Matunga, Bombay 19. (*Telephone*. 61308.) Offers courses for B.Sc. (Tech.) in subjects mentioned on pp. 1286-1287, for B.Chem. Eng., and facilities for res. in Chem. and Chem. Technol. for M.Sc., M.Sc. (Tech.), Ph.D. (Sc.) and Ph.D. (Tech.). Dir.—K. Venkataraman, M.A. Madr., D.Sc., Ph.D., M.Sc.Tech. Manc., F.R.I.C., F.N.I.; 19 other Profs., Readers and Lectrs.

University Department of Statistics, founded 1948, Fort, Bombay 1. (*Telephone*: 24623.) Prepares students for M.A. and M.Sc. Examns. in Stats. and offers facilities for res. in Stats. for M.A., M.Sc. and Ph.D. Hd. of Dept.—M. C. Chakrabarti, M.Sc. Dacca; 3 Lectrs.

University School of Economics and Sociology, founded 1919, Fort, Bombay 1. (*Telephone*: 24623.) Prepares students for Ph.D. and M.A. by res. and for M.A. by examn. in Econ., Pol., Sociol. Offers other facilities for res. in these subjects. Dir.—Prof. C. N. Vakil, M.Sc. (Econ.) Lond., M.A., F.S.S.; 14 other Profs., Readers and Lectrs.

CONSTITUENT COLLEGES†

(*Note.*—The Colleges provide courses of study leading to the various degree examns. Postgraduate teaching is done and res. conducted directly through the Univ. Depts. and indirectly through recognized Univ. Teachers in constituent colls. and postgrad. instns.)

SCIENCE COLLEGE

Bombay, *The Institute of Science* (Govt.), Fort. (*Telephone*: 25863.) In Science for B.Sc. Director—F. R. Bharucha, D.Sc. Montpellier, B.A., F.N.I. 6 other Profs., 7 Lectrs. and 12 Asst. Lectrs.

* Hd. of Univ. Dept.

† A number of Colls. previously affiliated are now under the jurisdiction of the Univs. of Poona, Karnatak, Baroda and Gujarat.

ARTS AND SCIENCE COLLEGES

ANDHERI (B.S.D.), *Narrondass Manordass Institute of Science*. See Bombay, *Megji Mathradas College of Arts*, below.

BOMBAY, *Bombay College*. (*Telephone*: 62172.) Under control of Deccan Education Society, Poona-4. In Arts for Inter. Arts and in Sc. for Inter. Sci. Principal: M. G. Bhate, B.Sc. (Econ.) Lond., M.A.; 4 other Profs. and 14 Lectrs.

BOMBAY, *Elphinstone College* (Govt.), Fort. (*Telephone*: 24953.) In Arts for B.A.; in Sci. for Inter. Sci. Principal—N. L. Ahmad, M.A. Alig., B.Litt. Oxon. Other Profs.: *Engl.*—L. Rodrigues, M.A.; Miss Homai J. Shroff, M.A.; Mrs. Kamal Wood, M.A., Nag., B.Litt. Oxon. *French*—S. P. Taraporwala, M.A., LL.B.; M. L. Balse, M.A., Ph.D., D.Litt. Paris. *Sansk.*—N. J. Shende, Ph.D. *Chem.*—D. C. Motvani, M.Sc. *Gujarati*—K. B. Vyas, M.A., F.R.A.S. *German*—R. V. Parajpe, D.Phil. Munich, M.A. *Physics*—Miss Maina M. Paranjpe, Ph.D. Lond., M.Sc. *Biology*—V. B. Tembe, M.Sc. *Logic and Philosophy*—J. N. Chubb, D.Phil. Oxon.; J. D. Swamidasan, M.A. *Maths.*—G. B. Khanolkar, M.Sc., B.T. *Hist. and Econ.*—K. T. Merchant, B.Sc.Econ. Lond., M.A., LL.B.; H. K. Paranjpe, M.A.; B.K. Apte, M.A.; J. P. De Souza, M.A. *Statistics*—V. B. Kamath, B.Sc. Lond., M.Sc, F.S.S. *Marathi*—M. A. Karandikar, Ph.D. 36 others.

BOMBAY, *Government Law College*, Fort. (*Telephone*: 27707.) Principal—S. G. Chitale, M.A., LL.B. 38 other Profs. and Lectrs.

BOMBAY, *Grant Medical College* (Govt.), Byculla. (*Telegrams*: Medicol. *Telephone*: 70922.) In Med. for M.B., B.S. and B.Sc. (Medical). Principal—D. P. Sethna, F.R.C.S.Ed. Profs.: *Med.*—A. Karamally. *Pharmacol.*—J. R. Patel, M.D. *Midw. and Gynæcol.*—B. D. Patwardhan, M.D. *Surg.*—S. J. Mehta, F.R.C.S. *Ophth.*—H. D. Dastoor, M.B., B.S., D.O. Oxon. *Anæsthesia*—S. G. Talwalkar, D.A. *Phys.*—D. M. Telang, B.Sc., M.D. *Operative Surg.*—H. Y. Khwaja, F.R.C.S. *Anat.*—P. S. Dastur, M.S. *Pathology*—H. I. Jhala, M.D. *Forensic Med.*—H. S. Mehta, M.S. 2 Assoc. Profs., 6 Full-time Lectrs., 11 Lectrs., 35 Tutors, 17 Full-time Jr. Lectrs., 10 Pt.-time Jr. Lectrs.

BOMBAY, *Jai Hind College and Basantsing Institute of Science*, 23-24 Backbay Reclamation, "A" Road. (*Telephone*: 26404.) In Arts for B.A.; in Sci. for B.Sc. Principal—T. M. Advani, M.A., LL.B. Vice-Principal—G. G. Kewalramani, M.A., LL.B. 67 other Profs., Lectrs. and Demrs.

BOMBAY, *Khalsa College*, Matunga. (*Telephone*: 60534.) In Arts for B.A. and in Sci. for B.Sc. Founded by Sikhs and managed by Shiromani Gurdwara Parbandhak Cttee. of Amritsar, East Panjab. Principal—G. S. Bal, M.Sc. Panj. 41 Profs. and Lectrs.

BOMBAY, *Kishinchand Chellaram College*. Founded by Hyderabad (Sind) National Collegiate Board, Bombay. In Arts for B.A. and in Science for Inter. Sci. Principal—K. M. Kundanani, M.Sc.; 5 other Profs. and 25 Lectrs.

BOMBAY, *Megji Mathradas College of Arts*, Bharatiya Vidya Bhavan (*Telephone*: 75137) and *Narrondass Manordass Institute of Science*, Nav, Gujarat, Andheri (B.D.S.) (*Telephone*: 86110). Under the control of Exec. Council of the Bharatiya Vidya Bhavan. In Arts for B.A. and in Science for B.Sc. Principal—F. Correia-Afonso, M.A. Oxon, M.A., LL.B. 25 other Profs. and Lectrs.

BOMBAY, *New Law College*. (*Telephone*: 61433.) Under the control of Modern Education Society, Poona. In Law for 2nd LL.B. Offg. Principal—S. G. Chitale, M.A., LL.B. 11 other Lectrs.

BOMBAY, *Ramnarain Ruia College*, Matunga. (*Telephone*: 60298.) In Arts for B.A. and T.D., and in Science for B.Sc. Under the control of Shikshana Prasarak Mandali, Poona. Principal—N. N. Murti, B.A. Madr., Ph.D. Lond., D.I.C. Profs.: *Zool.*—N. N. Murti, B.A. Madr., Ph.D. Lond., D.I.C.; B. Y. Oke, M.Sc. Camb.; K. V. Nayak, M.A. Madr. *Phys.*—R. D. Godbole, S.M. M.I.T., M.Sc.; R. D. Gupte, M.Sc. *Chem.*—B. V. Mohile, M.Sc.; V. M. Bhave, M.Sc., Ph.D. *Gujarati*—A. B. Yajnik, M.A.; D. P. Parikh, M.A. *Marathi*—N. R. Phatak, B.A. Alld.; *Sanskrit*—R. R. Deshpande, M.A.; Mrs. Indira Nalin, M.A. *French*—V. G. Hatalkar, D.Litt. Sorbonne, M.A., Ph.D. *Hindi*—J. C. Jain, Ph.D. Ban., M.A. *Educn.*—R. W. Joshi, B.Sc., B.T. *Hist.*—V. D. Rao, M.A., LL.B., Ph.D. *Econ.*—G. D. Parikh, M.A. *Engl.*—V. H. Kulkarni, M.A.; V. T. Yardi, M.A. *Philos.*—N. V. Joshi, M.A., D.Litt. Ban.; *Bot.*—V. S. Rao, B.A. And., M.Sc. 31 other Lectrs.

BOMBAY, *R.A. Podar College of Commerce and Economics*, Lakhamsi Napoo Rd., Matunga. (*Telephone*: 60868; *Cables*: Podcomcol.) Under the control of the Shikshana Prasarak Mandali, Poona. In Commerce for B.Com. Principal—L. N. Welingkar, B.Sc. (Econ.) Lond. Vice-Principal—K. N. Pillay, B.A., LL.B., T.D. Lond. Other Profs: *Commerce*—G. P. Palekar, M.Com.; G. L. Maini, M.Com; S. A. Sherlekar, B.Sc., M.A. Agra, M.Com. *Acctcy.*—V. B. Kirtane, B.Sc., LL.B. *Engl.*—J. G. Pethe, M.A., B.T.; P. M. Tole, M.A. *Maths.*—U. U. Bhat, M.A. Madr. *Mercantile Law*—N. K. Desai, B.A., LL.B.; P. G. Kher, B.A., LL.B. 14 other Lectrs. and 9 Tutors.

BOMBAY, *Rishi Dayaram and Seth Hassaram National College and Seth Wassiamull Assomull Science College*, Bandra. In Arts for B.A., and in Sci. for B Sc. Principal—N. B. Butani, M.A., B.Sc. 44 other teachers.

BOMBAY, *Ruparel College*, Dadar West. (*Telephone*: 61433.) Under control of Modern Educn. Soc., Poona. In Arts for B.A. and in Sci. for B.Sc. Principal—C. B. Joshi, B.A. Camb., M.A.

BOMBAY, *St. Xavier's College*, Cruickshank Rd., Bombay 1. (*Telephone*: 21247.) In Arts for B.A. and T.D., and in Science for B.Sc. Principal—Rev. M. M. Balaguer, D.D., Ph.D. Greg., Ph D. Lond. Professors: *Philos.*—Rev. M. M. Balaguer, D.D., Ph.D. Greg., Ph.D. Lond. *Marathi and Pali*—N. K. Bhagwat, M.A. *Engl.*—M. F. Colaco, M.A., LL.B. *French*—Rev. J. Duhr, Ph.D., D.D. Greg. *Sanskrit*—Rev. A. Esteller, M.A., D.Phil. Berl., Ph.D. Greg. *Sociol.*—Rev. P. Gisbert, Ph.D. Greg., S.T.L. Dub., B.A. Lond., Lic. Phil. et Lit. Murcia, Ph.D. (Sociol.) S.A. *Latin*—Rev. J. Humbert, B.A. Lond. *Hist.*—Rev. H. Heras, M.A. Manila. *Gujarati*—M. M. Jhaveri, M.A. *Hindi*—S. S. Naithami, M.A. Alld. *Persian and Urdu*—N. S. Gorekar, M.A. *Econ. and Politics*—Rev. J. Sanmarti, Ph.D., B.Sc. (Econ.), Ph.D. Lond. *Educn.*—Rev. A. Solagran, M.A. Dub., Ph.D. Greg. *Maths.*—Rev. L. Vion, L. ès Sc. Paris. *Microbiol.*—F. Fernandes, M.Sc., Ph.D. *Cairns Res. Lab.*—Col. S. S. Bhatnagar, M.D. Lausanne, Ph.D. Lond., F.R.C.P. *Chem.*—Rev. J. M. Corbella, M.Sc. M.I.T., D.L. Dub., B.Sc. (Engin.), B.Sc. (Text.), B.A. Barcelona. *Geol.*—R. N. Sukheswala, B.Sc., Ph.D. *Zool.*—D. M. Munshi, M.Sc., F.L.S. *Phys.*—Rev. R. Rafael, Ph.D., D.D. Greg., D.Sc. Madrid. *Bot.*—Rev. H. Santapau, Ph.D. Greg., B.Sc., Ph.D. Lond., D.I.C., A.R.C.S., F.L.S. 32 other Profs., 8 Asst. Profs., 18 Lectrs., 1 Tutor, 30 Demrs., 15 Fellows.

BOMBAY, *St. Xavier's Inst. of Educn.* (Society of Jesus), Fort. (*Telephone*: 21247.) Bachelor of Teaching (B.T.). Principal—A. Solagran, Ph.D., D.D., M.A. 3 other Profs., and 3 Lectrs.

BOMBAY, *School of Architecture, Sir J. J. School of Art (Govt.).* (*Telephone*: 20652.) Inter. Examn. for degree of B.Arch. (Bachelor of Architecture).

Dean : J. D. Gondhalekar. Head of Dept. : Prof. S. S. Reuben, F.R.I.B.A. ; 1 Asst. Prof., 5 Studio Assists., 1 Lectr. in Sci., 1 Asst. Lectr. in Maths., and 24 visiting Lectrs.

BOMBAY, *Secondary Training College* (Govt.), Cruickshank Rd. (*Telephone* : 31390.) Bachelor of Teaching (B.T.). Principal—Miss Sulabha Panandikar, M.Litt. Camb., M.A., Teacher's Dipl. Lond. 9 other Profs. and 1 Lectrs.

BOMBAY, *Seth G.S. Medical College* (Munic.), Parel. (*Telegrams* : Gosumec ; *Telephone* : 60497.) In Medicine for M.B., B.S. and B.Sc. (Medical). Dean—R. G. Dhayagude, M.D. Asst. Dean—V. V. Jadhav, M.B., B.S. Visiting Prof., *Pharmacol.*—R. A. Lewis, M.D. Johns H. Profs. : *Anat.*—G. M. Kurulkar, M.B., B.S. *Physiol.*—K. C. Batliwalla, M.B., B.S., Ph.D. *Pathology and Bacteriology*—N. M. Purandare, M.D. 6 Asst. Profs., 1 Asst. Chn. Pathologist, 6 Lectrs., 1 Tutor, 48 Hon. Lectrs and Asst. Hon. Lectrs.

BOMBAY, *Siddharth College, Arts and Sci.*, Anand Bhavan, Fort. (*Telephone* : 34897.) Under the control of the People's Education Soc. Chairman of Soc. — B. R. Ambedkar, A.M., Ph.D., LL.D. Col., D.Sc (Econ.) Lond., D.Litt. Osm., M.A. In Arts for B.A. and in Sci. for B.Sc. Principal—V. S. Patankar, M.Sc., Ph.D. Vice-Principal—H. R. Karnik, M.A., Ph.D. 51 other Profs. and Lectrs.

BOMBAY, *Siddharth College of Commerce*, Anand Bhavan, Fort. (*Telephone* : 34897.) Under the control of People's Education. Soc. In Comm. to Inter. Comm. Principal—G. R. Dlavi, M.A. 5 Full-time Lectrs. and 1 Pt.-time Lectrs.

BOMBAY, *Sir Currimbhoy Ebrahim Memorial Dental College* (Govt.), Byculla. (*Telephone* : 75454.) In Medicine for B.D.S. Dean—D. P. Sethna, F.R.C.S.Ed. Principal—K. L. Shourie, B.Sc., M.B., B.S., M.D.S. Panj., M.Sc. Madr , Ph.D Roch. Teachers : *Exodontia & Oral Surg.*—H. P. Mulgaonkar, M.B., B.S., F.D.S.R.C.S. *Operative Dent.*—M. K. Sanjana, B.D.S. Lond., B.A., B.Sc. *Orthodontia*—Prem Prakash, B.D.S. Panj., M.S. Tufts. *Prosthetics*—K. L. Shourie, B.Sc., M.B., B.S., M D.S. Panj., M.Sc. Madr., Ph.D. Roch. 3 Lectrs., 5 Jr. Lectrs., 2 visiting Hon. Dental Surgeons, 12 Clin. Tutors, 2 Mechanics.

BOMBAY, *Sophia College for Women*, Bhulabhai Desai Rd. (*Telegrams* : Sophiacoll, Bombay. *Telephone* : 40223.) Under control of Society for Higher Educn. of Women in India. In Arts for B.A. and in Sci. for Inter. Sci. Principal—Rev. Mother W. Ward, B.A. Lond., M.A. Oxon. 27 other Profs. and Lectrs.

BOMBAY, *Sydenham College of Commerce and Economics* (Govt.), 90 Dr. D. N. Rd., Fort. (*Telephone* : 23488.) In Commerce for B.Com. Principal—S. K Muranjan, D.Sc. (Econ.) Lond., M.A. Other Profs. : *Business Orgn. and Cotton Econ.*—E. R. Dhongde, B.Com. Lond., B.A. *Econ. of Transport*—P. S. Rege, B.Sc. (Econ.) Lond., B.A. *Mercantile Law* —U. V. Desai, M.A., LL.B. *Mod. Econ. Developt. and Admin.*—G. B. Kulkarni, M.Sc. (Econ.) Lond., M.Com. 40 other Lectrs. and Instrs.

BOMBAY, *Topiwala National Medical College* (Munic.), Byculla. (*Telegrams* : Namecol ; *Telephone* : 41883.) In Med. for M.B., B.S. and B.Sc. (Medical). Dean—S. G. Vengsarkar, M.D. 32 other Teachers.

BOMBAY, *Veterinary College* (Govt.), Parel. (*Telegrams* : Bovet, Bombay ; *Telephone* : 61180). In Technology for B.Sc. (Vet.). Principal—S. R. Chadha, B.Sc. Panj., J.P. Other Profs. : *Pathology*—R. M. Kalapesi (Offg.). *Animal Husbandry*—F. S. Khambata, B.Ag., M.Sc., Ph.D. *Medicine*—S. P. Deshpande. *Bacteriology*—D. T. Parnaik. *Parasitology*—S. R. Rao, D.Sc. *Physiology*—S. N. Sapre, M.Sc. 7 Asst. Profs. and 8 Lectrs.

BOMBAY, *V. J. Technical Institute*, Matunga. (*Telegrams*: Vijetinst; *Telephone*: 60438). In Technology for B.Text, B.E. (Mech.), B.E. (Elect.) and B.E. (Civil). Principal—P. N. Joshi, M.Sc. (Tech.) Manc. Other Profs.: *Textile Manufactures*—R. K. Mody, B.Sc. (Tech.) Manc. *Mech. Engin.*—B. Sengupta, B.Sc. (Eng.). *Elect. Engin.*—P. K. Kelkar, Ph.D. Liv. *Civil Engin.*—V. H. Acharya, B.Sc. Edin. 12 other Asst Profs. and over 50 Lectrs.

BOMBAY, *Wilson College*, Chowpatty. (*Telephone*: 41595.) In Arts for B.A. and in Science for B.Sc. Principal—Rev. J. Kellock, M.A., D.D. Glas. Profs.: *Chem.*—P. M. Barve, M.Sc.; B. N. Acharya, M.Sc., Ph.D.; J. W. Airan, M.Sc., Ph.D. *Hist.*—Elizabeth G. K. Hewat, M.A., B.D., Ph.D. Edin.; Rev. D. M. Kennedy, M.A. Dub.; K. M. Mathew, M.A. Lond., B.A., LL.B. *Engl.*—R. D. Choksi, M.A.; J. C. Daruvala, M.A.; J. Lyle, B.A. Dub. *French*—B. M. Mehta, M.A.; Helen Paterson, M.A. Glas. *Gujarati*—P. K. Shah, M.A. *Marathi*—W. L. Kulkarni, M.A., M. M. Altekar, M.A., Ph.D. *Maths.*—D. B. Wagh, M.A. *Persian*—A. H. Majed, M.A. *Philos.*—G. N. Lawande, M.A., Ph.D. *Physics*—V. D. Dabholkar, B.A., M.Sc.; J. Alexander, M.Sc., Ph.D. Durh. *Sansk.*—S. N. Gajendragadkar, M.A., Ph.D. *Botany*—J. P. Kotwal, M.Sc. Nag., Ph D. Camb. *Zool.*—C. J. George, Ph.D. Lond., D.I.C. *Econ.*—Rev. J. Kellock; T. B. Desai, M.A. *Geog.*—G. M. Marathe, M.Com. 30 other Teachers.

JOGESWARI (GREATER BOMBAY), *Ismail Yusuf College* (Govt.). (*Telephone*: 86088.) In Arts for B.A, and in Sci. up to B.Sc. Principal—G. C. Bannerjee, M.A. Oxon. 31 other Profs. and Lectrs.

GENERAL INFORMATION

Bombay University was established in 1857, but until the passing of the Indian Universities Act of 1904, the function of this University, in common with the others, was limited to examining candidates and arranging for the courses of study which led up to its degrees. Under the Act of 1904, it acquired the right of organizing teaching, arranging for Univ. extension lectures, and of publishing such works as were necessary for the direct educational work it was to carry on.

The Univ. Act of 1928 made the Univ. a more popular and representative institution than it had been. One of the main ideas underlying the Act was that the Univ. should directly conduct postgraduate teaching and res. in all branches of learning. The Univ. accordingly arranged for postgraduate instruction and research through its own depts. as well as through the teachers in affiliated colls. and recognized postgraduate institutions, recognized as Postgraduate Teachers of the Univ. As far as undergraduate education was concerned, the Univ. was an affiliating Univ. Before the establishment of the Univ. of Sind and of regional Univs. in Bombay State, the jurisdiction of Bombay Univ. extended over the whole of the former Province of Bombay and Sind. The Univ.'s jurisdiction is now confined to the limits of Greater Bombay.

With the establishment of other Univs. as a measure in the decentralization and reorganization of Univ. educn. in Bombay State, the Univ. was reconstituted by the Bombay University Act, 1953. Its special features were (1) reconstitution of the Univ. as a teaching and federal Univ. All affiliated colls. became constituent colls.; (2) reduction in number of elections; (3) strengthening of academic element in Senate, Academic Council and Bds. of Studies; (4) creation of Bds. of Univ. Teaching, predominantly academic, empowered to control post-Inter. and postgrad. instruction in affiliated colls. and recognized instns. and to make recommendations to Syndicate for con-

ducting such instruction in Univ. colls. and instns.; (5) extension of powers of the Univ. to include such activities as extra-mural teaching, Univ. extension courses, training of students for competitive examns. for service under Union and State Govts., establishment of an employment Bureau, students' Unions and Bd. of students' welfare, and provision for recognition of instns. of res. and specialized studies by Syndicate.

CONSTITUTION. The Senate is the supreme governing body of the Univ. The executive govt. is vested in the Syndicate. The other authorities of the Univ. are the Academic Council, the Facs., the Bds. of University Teaching and the Bds. of Studies in the various Facs.

LOCATION. The Univ. Dept. of Chem. Technol. is located in its new bldgs. at Matunga, Bombay 19 (*Telephone*: 61308). The Sch. of Econ. and Sociol. (including the Dept. of Civics and Politics) and the Dept. of Statistics are housed in the south and east wings of the main Univ. bldgs.

INCOME (July 1, 1952, to June 30, 1953). Bombay Govt. Grant, Rs. 6,27,720 (20·75 per cent.); Union Govt. Grant, Rs. 1,43,359 (4·61 per cent.); fees, etc., Rs. 15,50,130 (51·25 per cent.); other sources, Rs. 3,95,083 (13·63 per cent.); Interest from endowments, Rs. 3,08,184 (9·76 per cent.); total, Rs. 30,24,476.

FACULTIES AND DEANS. *Arts* (incl. Educn.), K. R. Gunjikar; *Comm.*, Sir Vithal N. Chandavarkar; *Law*, K. M. Jharveri; *Med.*, B. R. Patel, M.D., T.D.D.; *Science*, N. N. Murti, B.A. Madr., Ph.D. Lond., D.I.C.; *Technol.* (incl. Agric., Chem. Technol., Engin. and Vet. Sci.), G. A. Kamtekar, B.A., B.Sc. Edin., B.Sc.

ADMISSION. The minimum qualifn. for admission to courses in the Facs. of Arts and Sci. is the passing of the Entrance Examn., the Secondary Sch. Cert. Examn. of the S.S.C. Examn. Bd., Bombay State (if passed in prescribed subjects with 35 per cent. marks in each subject), the Matricn. Examn. of any statutory Univ. in the Indian Union, or an Examn. recognized as equivalent to the Entrance Examn. (A list of recognized Examns. is published in the *Handbook, Pt. II.*)

The following overseas qualifns. are recognized for the purpose of entrance: Oxford and Cambridge School Certif., Matricn. Certif. of South African Jt. Matricn. Bd. (if examn. passed with English, an additional lang., hist. or geog., maths., and one other subject, or if passed in any five or more subjects but with credits in at least four of them at the same examn.), London Univ. Matricn. Certif. (if examn. passed in English, an additional lang., hist. or geog., maths. and one other subject, or if passed in First or Second Div.), Rangoon Univ. Matricn. Certif. Overseas qualifns. not included in the regins. will be considered on their merits.

Admission to Univ. courses of study for the Bachelor's degrees in Engin. and in Med. is granted only to those who have passed the Univ. Inter. Sci. Examn. or other equivalent examn. of a recognized Univ. or Bd. in specified groups of subjects. The minimum qualifn. for admission to the LL.B. degree course is the passing of the Inter. Arts or Comm. Examn. or a degree examn. in any other Fac. of the Univ. or equivalent examns. of another Univ. Admission to courses of study for higher degrees is granted, under certain conditions, to graduates of this, or of any other recognized, Univ.

The usual language of instruction is English.

DEGREES AND DEGREE COURSES. B.A. (General) and (Special); B.T.; B.Sc.; B.E. (Civil), B.E. (Mechanical), B.E. (Electrical); B.Sc. (Agric.); B.Sc. (Tech.) in the following branches: (1) Textile Chem., (2) Chem. Engin., (3) Food Technol., (4) Technol. of Intermediates and Dyes, (5) Technol. of

Plastics, (6) Technol. of Pigments, Paints and Varnishes, (7) Technol. of Oils, Fats and Waxes, (8) Technol. of Pharmaceuticals and Fine Chemicals; B.Text.; B.Sc. (Vet.); B.Chem.Eng.; B.Arch.; LL.B.; M.B., B.S.; B.D.S.; B.Sc. (Medical); B.Com.

HIGHER DEGREES. M.A.; M.Ed.; M.Sc.; M.E. (Civil, Mech. or Electr.); M.Sc. (Tech.); M.Sc. (Agric.); LL.M.; M.D.; M.S.; D.Hy.; M.Sc. (Medical); Ph.D.; D.Litt.; D.Sc.

DIPLOMAS. Dipl. in Teaching (T.D.); Dipl. in Librarianship. *Postgraduate Medical Diplomas*—Dipl. in Public Health (D.P.H.); Dipl. in Anæsthesia (D.A.); Dipl. in Medical Radiol. and Electrol. (D.M.R.E.); Dipl. in Psychological Med. (D.P.M.); Dipl. in Venereol. and Dermatol. (D.V.D.); Dipl. in Forensic Med. (D.F.M.)

RESEARCH. There are ample facilities for research. Teachers from affiliated colleges, where facilities for res. are available, are recognized for supervising students working for Univ. research degrees. The following institutions are recognized by the Univ. as Postgraduate Research Institutions, and certain members of their staffs have been recognized as Postgraduate Teachers of the Univ.: Bharatiya Vidya Bhavan, Bombay 7; Indian Inst. of Educn., Bombay 1; Haffkine Inst., Bombay 12; Indian Cancer Res. Centre, Bombay 12; Marathi Sanshodhan Mandal, Marathi Grantha Sangrahalaya, Bombay 2; Cama and Allbless Hospitals, Bombay 1.

FEES. Rates of tuition fees in affiliated Colls. vary according to nature of courses taught. Full information obtainable from Principals. Fees for Univ. postgrad. courses in the School of Econ. and Sociol. are Rs. 110 per term. Fees in the Univ. Dept. of Chem. Technol.: for B.Sc. (Tech.), and B.Chem. Eng. courses, Rs. 200 (per term). Fees for research students, Rs. 100 per term. Dept. of Statistics—Rs. 125 per term.

The UNIVERSITIES' INFORMATION BUREAU collects and furnishes information to students regarding Indian and foreign Univs. and other educational institutions, and helps graduates to secure admission to Univs., etc., in foreign countries.

LIBRARIES. The Main Univ. Library, established 1869, under the Premchand Roychand Benefaction (Rs. 4,00,000) possesses to-day more than 110,000 volumes, about 1000 MSS. in Arabic, Persian and Urdu, and about 5190 in Sanskrit. An endowment has recently been received for the purpose of gathering Gujarati MSS. and rare Gujarati books. *Departmental Libraries*—Univ. Sch. of Econ. and Sociol.—approx. 37,000 vols., 409 theses in MSS.; Univ. Dept. of Chem. Technol.—more than 10,000 vols. in Engl. and German and about 200 periodicals; Univ. Dept. of Stats.—approx. 1120 vols., as well as 235 important journals.

HOSPITALS AND LABS. RECOGNIZED BY THE UNIV. Hosps. and Labs. attached to Grant Medical Coll.; Cama and Allbless Hosps.; Bombay Municipal Lab.; Gokuldas Tejpal Hosp., Dhobi Talas, Bom.; Hosps. and Labs. associated with Seth Gordhandas Sunderdas Med. Coll.; Nowrosjee Wadia Maternity Hosp., Parel, Bom.; Sir Currimbhoy Ebrahim Memorial Dental Hosp., Byculla, Bom.; Bai Jerbai Wadia Hosp. for Children, Parel, Bom.; Haffkine Inst., Parel, Bom.; Bai Yamunabai Nair Hosp. attached to Topiwala National Med. Coll.; St. George's Hosp., Fort, Bom.; Municipal General Hosp., Sion.

STUDENT RESIDENCES. Birla and University Hostels, Matunga (*Telephone*: 62425); Marine Lines Hostel, Marine Lines (*Telephone*: 25800); accomm.

for 188 men students. Individual colls. are also required to provide, by the terms of their affiliation, hostel accomm. for a fair number of their students.

NATIONAL CADET CORPS (SR. DIVISION). Two Battalions of the Sr. Div. of the N.C.C. are attached to the Univ., as are also these other N.C.C. units: Engineering Platoon; Battery Unit; Medical Unit; Air Squadron; Naval Unit and Women's Division Unit.

STUDENT ATHLETIC FACILITIES. The Univ. Bd. of Sports organizes the sports activities of the Univ. Inter-Collegiate Sports are arranged every yr. Individual colls. also provide facilities for indoor and outdoor games.

STUDENTS' UNIONS. There is a Students' Union in the Univ. Sch. of Econ. and Sociol. The students of the Univ. Dept. of Chem. Technol. have formed "The Technological Association." Colleges also have students' Unions.

PUBLICATIONS. *Univ. Handbook, Pt. I* (Almanac and names of members of various Univ. Authorities), annual, As. 8; *Univ. Handbook, Pt. II* (Statutes, Ordinances and Reglns., including examn. syllabuses), 1950 edition, Rs. 8; *Univ. Handbook, Pt. III* (Text-books), 1952 edition, Rs. 2·8; *Univ. Handbook, Pt. IV* (Reglns. relating to Scholps., etc.), out of print, new edition in preparation; *Calendar* (lists of graduates and successful examn. candidates) 1938–40, Rs. 6; *Journal of Univ. of Bombay*, 5 times p.a., annual subscription for 5 issues Rs. 12, for Nos. I and IV, Rs. 5, III and V, Rs. 5, II or a single copy, Rs. 3; *Univ. Econ. and Sociol. Series*, pub. by O.U.P.

The UNIVERSITY PRESS was established in 1948 and carries out most of the printing work of the Univ. Manager: V. G. Moghe, B.A.

THE YEAR 1952–53

PRINCIPAL CHANGES. New constitution came into operation from June 1, 1953.

PRINCIPAL BENEFACTIONS. Justice Telang Centenary Celebrations Cttee., Rs. 80,000 for founding K. T. Telang Lectureship in Law & Politics; a donor, Rs. 20,000 for S. R. Moolgaonkar Gold Medals (2) in Surgery at M.B., B.S. and M.D.; Mrs. S. J. Bery, Rs. 10,000 for Seth Jairamdas Bery Gold Medal at Second M.B., B.S.; Managing Director, Amritlal & Co. Ltd., Rs. 1,00,000 for construction and equipment of a lab. in the Chem. Technol. Dept. for res. on Coal Tar Dyes; K. T. Mirchandani, Rs. 40,000 for (i) K. J. Mirchandani Prize at F.E., (ii) N. K. Mirchandani Prize at Inter. Comm., (iii) Gopaldes K. Mirchandani Prize at 1st M.B., B.S. and (iv) Guli K. Mirchandani Prize at 1st M.B., B.S.; Indian Mathematical Soc., Rs. 2387 for a prize at Inter. Arts.

NEW BUILDINGS. New University hostel declared open by Dr. S. Radhakrishnan.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Dr. J. D. M. Derrett, Lond., "Future of the Indian Law of Succession"; Dr. H. Buseman, Calif., "Minkowskian Geometry" and "Geometric Methods in Finsler Spaces"; W. F. Stevenson, Pres., Oberlin Coll., "College Autonomy in the United States" and "College President"; Prof. M. M. David, Utah, "The Theory and Application of Ion Exchange"; Dr. M. Katz, Carnegie Inst. of Technol., "Synthetic Oil from Coal by Hydrogenation"; Prof. A. R. Todd, Camb., "Chemistry of Nucleic Acids."

VISITS BY MEMBERS OF STAFF TO OTHER UNIVERSITIES. Dr. K. Venkataraman and S. R. Dongerkery, seventh Quinquennial Commonwealth Univer-

sities Congress at Cambridge; Dr. G. P. Kane, U.K.; Dr. A. Sreenivasan, Wis. and other Univs. in U.S.A. and U.K.; Dr. Usha Mehta, study leave at Corn.

STUDENT NUMBERS (as at August 1, 1953).

	Full-Time	*Part-Time*
Men	24,683	..
Women	6,014	..
Total	30,697	..

Postgraduate students, 2753.

New admissions, 8385.

STUDENTS FROM ABROAD (Dec. 1953), 245. (Countries from which largest numbers came: Africa, 169; Federation of Malaya, 12; British W. Indies, 11; Ethiopia, 10; Burma, 6; Ceylon, 5; Spain, 5; U.S.A., 4; British Guiana, 4.)

DEGREES. *Arts*: B.A., 1637; M.A., 237; B.T., 102; M.Ed., 19; *Comm.*: B.Com., 347; M.Com., 46; *Law*: LL.B., 251; LL.M., 3; *Med.*: B.Sc. (Med.), 6; M.B., B.S., 241; M.D., 48; M.S., 14; B.D.S., 16; *Sci.*: B.Sc., 968; M.Sc., 117; *Technol.*: B.E., 96; B.Sc. (Tech.), 111; B.Sc. (Vet.), 36; B.Text., 17; M.Sc. (Tech.), 15; *Various Facs.*: Ph.D., 55.

DIPLOMAS. Teaching (T.D.), 121; Librarianship, 22; D.O., 4; D.P.H., 2; D.A., 4; D.Ped., 2; D.V. & D., 6; T.D.D., 2; D.M.R.E., 7.

[*Information compiled as at* 31/5/54.]

UNIVERSITY OF CALCUTTA*

Founded 1857

Postal Address : Senate House, College Street, Calcutta, India.
Telegrams : University Calcutta.
Telephone : Calcutta B.B. 3014–12.

CHANCELLOR—H.E. THE GOVERNOR OF WEST BENGAL.

VICE-CHANCELLOR, CHAIRMAN OF SYNDICATE AND PRESIDENT OF UNIVERSITY COLLEGES—J. C. GHOSH, D.Sc., F.N.I.

VICE-PRESIDENTS OF UNIVERSITY COLLEGES—*Arts*—Prof. J. P. NIYOGI, M.A., Ph.D. Lond.; *Commerce*—S. K. BASU, M.A., Ph.D. Lond.; *Law*—Prof. P. N. BANERJEE, M.A., B.L., LL D. McG., D.Litt.; *Science*—Prof. S. N. BOSE, M.Sc.; *Technology*—Prof S. K. MITRA, D.Sc., F.N.I.

REGISTRAR—D. CHAKRAVARTI, D.Sc., F.N.I.

CONTROLLER OF EXAMINATIONS—A. P. DASGUPTA, M.A., Ph.D. Lond.

INSPECTOR OF COLLEGES—.....

SECRETARY TO THE COUNCIL OF COLLEGES OF ARTS AND COMMERCE—N. C. RAY, M.A., Ph.D.

SECRETARY TO THE COUNCIL OF COLLEGES OF SCIENCE AND TECHNOLOGY —.....

OFFG. UNIVERSITY LIBRARIAN—P. C. BOSE, B.A.

PRINCIPAL, UNIVERSITY COLLEGE OF LAW—Professor P. N. BANERJEE, M.A., B.L., LL.D. McG., D.Litt.

TEACHING STAFF

Agriculture

Sen, P. K., M.Sc., Ph.D. Lond., D.I.C. G. P. Singh Prof.
1 Postgrad. Teacher.

Anthropology

Chattopadhay, K. P., M.Sc. Camb. Prof.
7 Postgrad. Teachers.

Arabic and Persian

Siddiqi, M. Z., M.A., LL.B., Ph.D. Camb. Asutosh Prof.
6 Postgrad. Teachers.

Botany

..... Sir R. B. Ghose Prof.
9 Postgrad. Teachers.

Chemistry, Agricultural

..... Sir P. C. Ray Prof.

Chemistry, Applied

Guha, B. C., D.Sc. Lond., Ph.D. Calc. Sir R. B. Ghose Prof.
24 Postgrad. Teachers.

Chemistry, Pure

Sarkar, P. B., M.Sc., Dr. ès Sc. Paris, F.N.I.
Sir R. B. Ghose Prof.

* Member of the Association of Universities of the British Commonwealth.

Bardhan, J. C., D.Sc. Calc. and Lond. G. P. Singh Prof.
Ghosh, B. N , D.Sc. Lond. Sir T. N. Palit Prof.
14 Postgrad. Teachers.

Commerce

Basu, S. K., M.A., Ph.D. Lond. Reader.
24 Postgrad. Teachers.

Economics

Niyogi, J. P., M.A., Ph.D. Lond. Prof.
10 Postgrad. Teachers.

Education

Sen, J. M., B.Sc., M.Ed. Leeds, T.D. Lond , Dip Ed. Oxon , F N.I. Hd. of Dept.
9 Postgrad Teachers.

English

Bhattacharyya, M. M., M A., LL.B., Ph.D. Lond Sir G. D. Banerjee Prof.
13 Postgrad. Teachers

Geography

Chatterjee, S. P., M.Sc., Ph.D., T.D. Lond , D Litt. Paris, F.G.S. Prof.
8 Postgrad Teachers.

Geology

Chatterjee, N. N., M Sc. Prof.
6 Postgrad. Teachers.

History and Culture, Ancient Indian

Banerjee, J. N., M.A., Ph.D. Calc. Carmichael Prof.
Ray, N. R., M.A., D.Lett. and Phil. Ley., Dip.Lib. Lond., F.L.A. (Indian Fine Arts) (on leave) Bagiswari Prof.
10 Postgrad. Teachers.

History and Culture, Islamic

..... Prof.

Raychaudhury, M., M.A., D.Litt. Calc. Reader, Actg. Hd.
9 Postgrad. Teachers.

History, Mediæval and Modern Indian

Banerjee, I., M.A., D.Phil. Asutosh Prof.
12 Postgrad. Teachers.

Indian Languages, Modern

Banerjee, S. K., M.A., LL.B., D.Phil. R. Lahiri Prof.
15 Postgrad. Teachers.

Mathematics, Applied

Sen, N R., Ph.D. Berl., D.Sc., F.N.I. Sir R. B. Ghose Prof.
10 Postgrad. Teachers.

Mathematics, Pure

Sen, R. N , M.A., Ph.D. Hardinge Prof.
12 Postgrad. Teachers.

Mental and Moral Science

Maitra, S. K., M.A., D.Phil. Acharyya B. N. Sil. Prof.
19 Postgrad. Teachers

Pali

Dutt, N., M.A., LL.B., D.Phil., D Lit. Lond. Prof.
8 Postgrad. Teachers.

Phonetics and Indian Linguistics

Sen, S , M.A., Ph.D. G. P. Singh Prof.
4 Postgrad. Teachers.

Physics, Applied

Mahanti, P. C., D.Sc., F.I.P. Sir R. B. Ghose Prof.
18 Postgrad. Teachers.

Physics, Pure

Saha, M. N., D.Sc., F.R.S. (on leave) Palit Prof.
Nagchaudhuri, B. D., M.Sc., Ph.D.
Bose, S. N., M.Sc. G. P. Singh Prof.
15 Postgrad. Teachers.

Physiology

Sarkar, B. B., D.Sc. Edin. Prof.
13 Postgrad. Teachers.

Political Science

Banerjee, D. N., M.A.
Surendranath Prof.
16 Postgrad. Teachers.

Psychology

Mitra, S. C., M.A., D.Phil. Leipzig Prof.
8 Postgrad. Teachers.

Radiophysics and Electronics

Mitra, S. K., D.Sc., F.N.I.
Sir R. B. Ghose Prof.
11 Postgrad. Teachers.

Sanskrit

Mukherjee, S , M.A., D.Phil.
Asutosh Prof.
23 Postgrad. Teachers.

Statistics

Bose, P. K., M.Sc., D.Phil.
Hd. of Dept.
8 Postgrad. Teachers.

Zoology

Mookerjee, H. K., D.Sc. Lond., D.I.C. Sir N. R. Sircar Prof.
9 Postgrad. Teachers.

ADMINISTRATIVE AND OTHER STAFF

Estates Officer: S. K. Dutt, M.A. Oxon. Offg. Asst. Registrar: B. A. Biswas, LL.B. Addl. Controller of Examns.: S. N. Dhar, M.A. Asst. Controller of Examns.: A. K. Roy, M.Sc. Audit Officer: B. Ghosh, B.Com., G.D.A. Supt., Univ. Press: S. Kanjilal, B.Sc., Dip.Print. Manc. Sec., Bd. of Health: A. N. Chatterjee, M.B., B.S. Sec., Students' Advisory Bureau (overseas): S. K. Dutt, M.A. Oxon. Curator, Asutosh Museum of Indian Art: D. P. Ghosh, M.A. Sec., Appts. Information Bd.: D. K. Sanyal, M.A., B.Com. Univ. Engineer: S. K. Raychaudhury, B.E. Inspectress of Hostels and Messes: Mrs. N. Sinha, M.A.

AFFILIATED INSTITUTIONS RECOGNIZED IN DEGREE COURSES

[I.A., I.Sc., B.A., M.A., B.Sc., M.Sc., B.Com., etc.=affiliated up to Interm. Arts, Interm. Sci., B.A., M.A., etc., standard.]

AGARTALA, *Maharaja Bir Bikram College*, Agartala, Tripura State. Principal—G. N. Chatterjee. 34 other teachers. B.A., B.Com., B.Sc., I.Sc., I.A.

AHARBELMA, *Syamsundar College*, Syamsundar, Burdwan. Principal—P. Banerjee, M.A., M.Ed., Dip. in Edn. Leeds. 12 other teachers. I.A., I.Sc., B.A.

AMTA (HOWRAH), *Ramsaday College*. Vice-Principal in charge—A. Podder, M.A., D.Phil. 12 other teachers. I.A., I.Sc., B.A.

ARAMBAGH, *Netaji Mahavidyalaya*, Hooghly. Principal—G. Sen, M.A. 10 other teachers. I.A., I.Sc.

ASANSOL, *Asansol College*. Principal—B. B. Bhattacharyya, M.A. 23 other teachers. B.A., I.Sc., I.A.

ASANSOL, *Manimela Girls' College*, Burdwan. Principal—K. C. De, M.A. 13 other teachers. I.A., I.Sc.

BALLYGUNGE (CALCUTTA), *Muralidhar Girls' College*. Principal—N. M. Sastri, M.A. 17 other teachers. B.A., I.A.

BALURGHAT (W. DINAJPUR), *Balurghat College*. Principal—S. K. Majumder, M.Sc. 15 other teachers. I.A., I.Sc., B.A.

BANGAON, *Dinabandhu Mahavidyalaya*, 24 Parganas. Principal—C. C. Mitra, M.A. 11 other teachers. I.A., I.Sc.

BANKURA, *Bankura Christian College*. Principal—A. K. Mundle, M.A. 26 other teachers. B.A., B.Sc., I.A., I.Sc.

BANKURA, *Sammilani College*. Principal—A. K. Ray. 6 other teachers. I.Sc.

BARASAT, *Barasat College* (Govt.), 24 Parganas. Principal—D. C. Chatterjee, M.A. 10 other teachers. I.A., I.Sc.

BARISHA, *Barisha College*, 24 Parganas. Principal—S. K. Roy, D.Sc. 12 other teachers. I.A., I.Sc.

BASIRHAT, *Basirhat College*, 24 Parganas. Principal—S. K. Pal, M.A., LL.B. 7 other teachers. I.A.

BELGACHIA, *R.G. Kar Medical College*, 1 Belgachia Road, Calcutta. (*Telephone*: B.B. 6302.) Principal—S. K. Sen, M.Sc., M.B., D.P.H., L.M. Dub. 62 other teachers. I.Sc., M.B., B.S., D.G.O., D.O.M.S.

BELUR MATH, *Ramkrishna Mission Vidyamandir*, Howrah. Principal—Swami Tejasandanda. 24 other teachers. I.A., I.Sc.

BERHAMPUR, *Berhampur Girls' College*, Murshidabad. Principal—Miss Priti Gupta, M.A., B.T. 18 other teachers. B.A., I.Sc., I.A.

BERHAMPUR, *Krishnath College*, Murshidabad. Principal—N. K. Sarkar, M.A. 33 other teachers. B.A., B.Sc., I.A., I.Sc.

BERHAMPUR, *Union Christian Training-College*, Murshidabad. Principal—T. C. Vicary, M.A. Lond. 3 other teachers. B.T.

BISHNUPUR (BANKURU), *Ramananda College*. Principal—R. P. Bhattacharyye, M.A. 15 other teachers. B.A., I.Sc., I.A.

BOLPUR, *Bolpur College*, Birdgum. Principal—S. Ray, M.A. 14 other teachers. I.A., I.Sc.

BURDWAN, *Raj College*. Principal—P. C. Sanyal, M.A. 33 other teachers. B.A., B.Sc., I.A., I.Sc.

CALCUTTA, *All India Institute of Hygiene and Public Health* (Govt.), 110 Chittaranjan Ave. (*Telephone*: B.B. 5981.) Principal—K. V. Krishnan, M.B., B.S. Madr., D.B. Lond., D.Sc. Johns H., F.R.C.P., F.N.I. 46 other teachers. D.P.H., M.E. and D.Sc. in Public Health, Dip. in Maternity and Child Welfare, Dip. in Dietetics, Dip. in Industrial Health.

CALCUTTA, *Asutosh College*, 9 Russa Rd. (*Telephone*: South 917.) Principal—S. Mookerjee, M.A. 132 other teachers. B.A., B.Com., B.Sc., I.A., I.Sc.

CALCUTTA, *Bangabasi College*. (*Telephone*: B.B. 1368.) Principal—P. K. Bose, M.A. Calc., B.A. Oxon., LL.B. 127 other teachers. B.A., B.Com., B.Sc., I.A., I.Sc.

CALCUTTA (SIBPUR), *Bengal Engineering College* (Govt.), Botanic Garden, Howrah. (*Telephone*: Howrah 700.) Principal—R. G. P. S. Fairbairn, B.Sc. Glas., Dip.R.T.C. Glas. 175 other teachers. B.E., B.Arch., Dip. in Town and Regional Planning.

CALCUTTA, *Bengal Tanning Institute*, Canal South Rd. Principal—M. Banerjee, B.Sc. Calc., M.Sc. Leeds. 9 other teachers. Cert. in Tanning.

CALCUTTA, *Bethune College* (Girls) (Govt.), 181 Cornwallis St. (*Telephone*: B.B. 786.) Principal—Mrs. Mrinalini Emerson, M.A., LL.B. 34 other teachers. B.A., I.Sc., I.A.

CALCUTTA, *Central Calcutta College* (Govt.), 8 Wellesley St. (*Telephone*: Central 3737.) Principal—F. J. Friend Pareira, M.A. Camb. 40 other teachers. B.A., I.Sc., I.A.

CALCUTTA, *Charuchandra College*, 22 Lake Rd. Principal—S. N. Ray, M.A., Ph.D. Lond. 42 other teachers. B.A., B.Com., I.Sc., I.A.

CALCUTTA, *City College*, 102/1 Amherst St. (*Telephone*: B.B. 1565.) Principal—A. K. Sen, M.A. 264 other teachers. B.A., B.Com., B.Sc., I.A., I.Sc.

CALCUTTA, *David Hare Training College* (Govt.), 25/3 Ballygunge Circular Rd. (*Telephone*: P.K. 1814.) Principal—S. K. Majumdar, M.Sc., Ph.D. Munich. 28 other teachers. B.T.

CALCUTTA, *Dental College and Hospital* (Govt.), 114 Lower Circular Road. Principal—U. S. Malik, M.B., B.S. 15 other teachers. B.D.S.

CALCUTTA, *Dum Dum Motijheel College*, Dum Dum. Principal—N. L. Ganguli, M.A. 14 other teachers. I.A., I.Sc.

CALCUTTA, *Goenka College of Commerce and Business Administration*, 210 Bow Bazar St. Principal—P. C. Ghosh. 24 other teachers. B.Com.

CALCUTTA, *Gokhale Memorial Girls' College*, 1/1 Harish Mukherjee Rd. (*Telephone*: P.K. 509.) Principal—Miss S. E. Rani Ghose, M.A., B.T., T.D. Lond. 17 other teachers. I.A., I.Sc.

CALCUTTA, *Lady Brabourne College* (Govt.), P1/2, Suhrawardy Ave. (*Telephone*: Park 324.) Principal—Mrs. Roma Choudhuri, M.A., D.Phil. Oxon. 43 other teachers. B.A., I.Sc., I.A.

CALCUTTA, *La Martinière*, 11 Loudon St. (*Telephone*: P.K. 3494.) Actg. Principal—H. G. Chalke, B.A. Lond. 7 other teachers. I.A., I.Sc.

CALCUTTA, *Loreto House* (Girls), 7 Middleton Row. Principal—Mother M. Consiglio. 18 other teachers. B.T., B.A., I.Sc., I.A.

CALCUTTA, *Maharaja Manindra Chandra College*, 20 Ramkanta Bose St. (*Telephone*: B.B. 4562.) Principal—A. C. Banerjee, M.A., Ph.D. 45 other teachers. B.A., B.Com., I.Sc., I.A.

CALCUTTA, *Medical College*, 88 College St. (*Telephone*: B.B. 3670.) Principal—M. N. Sarkar, B.A., M.B., F.R.C.S.Ed., F.R.C.O.G. 89 other teachers. M.B., B.S., D.O.M.S., T.D.D.

CALCUTTA, *National Medical Institute*, 32 Gorachand Rd. (*Telephone*: P.K. 554.) Principal—M. Pan, M.B. Lond., F.R.C.S.Ed. 98 other teachers. M.B., B.S.

CALCUTTA, *Nilratan Sarkar Medical College*, 38 Lower Circular Rd. (*Telephone*: Central 3213.) Principal—A. K. Dutta Gupta, M.B., D.T.M. 83 other teachers. M.B., B.S.

CALCUTTA, *Presidency College* (Govt.), 86/1 College St. (*Telephone*: B.B. 875.) Principal—J. C. Sen Gupta, M.Sc., Ph.D. Heidel. 98 other teachers. B.A., B.Sc., I.A., I.Sc.

CALCUTTA, *St. Joseph's College*, 69 Bow Bazar St. (*Telephone*: B.B. 4259.) Principal—Rev. Brother T. A. Comber. 5 other teachers. I.A., I.Sc.

CALCUTTA, *St. Paul's Cathedral Mission College*, 33 Amherst St. (*Telephone*: 2600.) Principal—H. K. Banerjee, M.A., B.Litt. Oxon. 33 other teachers. B.A., B.Sc., I.Sc., I.A.

CALCUTTA, *St. Xavier's College*, 30 Park St. (*Telephone*: P.B. 995.) Principal—Rev. H. Barre. 49 other teachers. B.A., B.Com., B.Sc., I.A., I.Sc. Students of other religious persuasions are admitted.

CALCUTTA, *Sanskrit College* (Govt.), 1 Bankim Chatterjee St. (*Telephone*: B.B. 734.) Principal S. Bhaduri, M.A., Ph.D. 26 other teachers. B.A., I.A.

CALCUTTA, *Scottish Church College*, 4 Cornwallis Square. (*Telephone*: B.B. 151.) Principal—H. J. Taylor, M.Sc. Ph.D. 75 other teachers. B.A., B.Sc., B.T., I.A., I.Sc. Formerly the General Assembly's Institn. and Duff Coll.

CALCUTTA, *Seth Anandram Jaipuria College*, 10 Raja Nabakissen St. (*Telephone*: B B. 6164.) Principal—S. C. Pal, M.A., B.T. 25 other teachers. B.A., B.Com., I.A., I.Sc.

CALCUTTA, *South Calcutta Girls' College*, 72 Lansdowne Rd. Principal—Mrs. Bani Mitra, M.A., B.T. 15 other teachers. B.A., I.A.

CALCUTTA, *Surendranath College*, 24 Harrison Rd. Principal—P. K. Guha, M.A., LL.B. 112 other teachers. B.A., B.Com., B.Sc., I.A., I.Sc.

CALCUTTA, *Surendranath Law College*, 24 Harrison Rd. (*Telephone*: B.B. 29.) Principal—S. C. Chaudhuri, M.A., LL.B. Camb., LL.D. Prague. 10 other teachers. LL.B.

CALCUTTA, *University Law College*, 87/1 College St. (*Telephone*: B.B. 207.) Principal—P. N. Banerjee, M.A., B.L., LL.D. McG., D.Litt. 32 other teachers. LL.B.

CALCUTTA, *Victoria Institution for Girls*, 78B Circular Rd. (*Telephone*: B.B. 685.) Principal—Mrs. Suprabha Chaudhuri, M.A. 28 other teachers. B.A., I.Sc., I.A.

CALCUTTA, *Vidyasagar College*, 39 Sankar Ghosh Lane. (*Telephone*: B.B. 2085.) Principal—A. K. Dutt, M.A., LL.B. 97 other teachers. B.A., B.Com., B.Sc., I.A., I.Sc.

CALCUTTA, *Women's Christian College*, 6 Greek Church Row. (*Telephone*: South 831.) Principal—Miss Stella Bose. B.A., I.A.

CALCUTTA, *Women's College*, 204 Cornwallis St. (*Telephone*: B.B. 565.) Principal—D. L. De, M.A., Ph.D. Lond. 21 other teachers. B.A., I.A.

CHANDARNAGORE, *Chandarnagore College*, Hughly. Principal—P. B. Mitra, M.A. 43 other teachers. B.A., B.Sc., B.Com., I.Sc., I.A.

CONTAI, *Prabhatkumar College*, Midnapur. Principal—N. C. Roy, M.Sc. 21 other teachers. B.A., I.Sc., I.A.

COOCH-BEHAR, *Victoria College*. Principal—S. Ganguli, M.A., Ph.D. Lond. 30 other teachers. B.A., B.Sc., I.A., I.Sc.

DARJEELING, *Govt. College*. Principal—K. D. Ghosh, M.A. Oxon., Dip. in Edn. Oxon. 37 other teachers. B.A., B.Sc., I.A., I.Sc.

DARJEELING, *St. Joseph's College*. Principal—Rev. M. Standord. 24 other teachers. B.A., B.Sc., I.A., I.Sc.

DARJEELING, *St. Paul's College*. Principal—L. J. Goddard, M.A. Camb. 2 other teachers. I.A., I.Sc.

DIAMOND HARBOUR, *Fakirchandra College*, 24 Parganas. Principal—S. K. Das, M.A. 11 other teachers. I.A.

GARBETA, *Garbeta College*, Midnapore. Principal—R. N. Sarkar, M.A. 10 other teachers. I.A., I.Sc.

GOBARDANGA, *Hindu College*, 24 Parganas. Principal—A. C. Banerjee, M.A. 17 other teachers. B.A., I.Sc., I.A.

HETAMPUR, *Krishnachandra College*, Birbhum. Principal—B. C. Sen-Gupta, M.A., LL.B. 11 other teachers. B.A., I.Sc., I.A.

HOWRAH, *Girls' College*, 5/3 Mahatma Gandhi Rd. Principal—B. K. Bhattacharyya, M.A. 17 other teachers. B.A., I.A.

HOWRAH, *Narasinha Dutt College*, 129 Bellilias Rd. Principal—J. N. Sen, M.Sc. 32 other teachers. B.A., B.Sc., I.A., I.Sc.

HUGHLI, *Hughli Mohsin College* (Govt.), Chinsurah. Principal—A. K. Ghosal, M.A., Ph.D. Lond. 42 other teachers. B.A., B.Sc., I.A., I.Sc.

HUGHLI, *Women's College*, Chinsurah. Principal—Miss Santisudha Ghosh, M.A. 13 other teachers. B.A., I.A.

ITACHUNA, *Itachuna Bijoy Narayan Mahavidyalaya*, Hughli. Principal—G. C. Majumdar, M.A. 13 other teachers. I.A., I.Sc.

JALPAIGURI, *Anandachandra College*. Principal—I. B. Majumdar, M.A. 23 other teachers. B.A., I.Sc., I.A.

JALPAIGURI, *Prasannadev Balika Mahavidyalaya*. Principal—Miss Charupama Bose, M.A. 13 other teachers. I.A., B.A.

JANGIPUR, *Jangipur College*, Murshidabad. Principal—B. R. De, M.A. 11 other teachers. I.A., I.Sc.

JHARGRAM, *Raj College* (Govt.), Midnapur. Principal—D. K. De, Ph.D. Lond., D.I.C. 12 other teachers. I.A., I.Sc., I.Sc. (Ag.), B.Sc.Ag.

JIAGANJ, *Sripatsingh College*, Murshidabad. Principal—A. K. Chaudhuri, M.A. 12 other teachers. I.A., I.Sc.

KAILASAHAR, *Kailasahar Ramkrishna Mahavidyalaya*, Tripura. Principal—S. Dhar, M.A. 14 other teachers. B.A., I.A., I.Sc.

KALIMPONG, *Scottish Universities Mission College*, Darjeeling. Principal—Rev. W. M. Scott, M.A., B.D., Dip.Ed. 8 other teachers. I.A.

KALNA, *Kalna College*, Burdwan. Principal—B. R. Dasgupta, M.A. 9 other teachers. I.A., I.Sc.

KANDI, *Kandi Raj College*, Murshidabad. Principal—D. L. Das, M.A., Ph.D. 11 other teachers. I.A., I.Sc.

KATWA, *Katwa College*, Burdwan. Principal—H. M. Mukherjee, M.A. 10 other teachers. I.A., I.Sc.

KHARAGPUR, *Kharagpur College*, Midnapur. Principal—H. B. Sarkar, M.A. 16 other teachers. B.Com., I.A., I.Sc.

KRISHNAGAR, *Krishnagar College* (Govt.), Nadia. Principal—S. K. Guha Thakurta, M.A. 54 other teachers. B.A., B.Sc., I.A., I.Sc.

MAHISADAL, *Raj College*, Midnapur. Principal—S. Kahali, M.A. 11 other teachers. B.A., I.A.

MALDAH, *Maldah College*. Principal—D. K. Bhattacharyya, M.A. 16 other teachers. B.A., I.Sc., I.A.

MIDNAPUR, *Midnapur College*. Principal—A. C. Chakrabarti, M.Sc., M.A. Camb. 33 other teachers. B.A., B.Sc., I.A., I.Sc.

NABADWIP, *Vidyasagar College*, Nadia. Principal—A. N. Mukherjee, M.A. 16 other teachers. B.A., I.Sc., I.A.

NAIHATI, *Rishi Bankimchandra College*, 24 Parganas. Principal—S. R. Das Gupta, M.A., Ph.D. 22 other teachers. B.Com., I.A., I.Sc.

RAIGANJ, *Raiganj College*, West Dinajpur. Principal—K. Saraswati, M.Sc., LL.B. 8 other teachers. I.A.

RAMPURHAT, *Rampurhat College*, Birbhum. Principal—H. K. Roy, M.A., LL.B. 12 other teachers. I.A., I.Sc.

RANAGHAT, *Ranaghat College*, Nadia. Principal—K. K. Ghosh, M.A. 11 other teachers. I.A., I.Sc.

SANTIPUR, *Santipur College*, Nadia. Principal—T. C. Chaudhuri, M.A., Ph.D. 11 other teachers. I.A., I.Sc.

SERAMPORE, *Serampore College*, Hughli. Principal—C. Abraham, M.A., D.D. 25 other teachers. B.A., B.Sc., B.D., I.A., I.Sc.

SIBPUR, *Dinabandhu Institution*, 412-1 G.T.R., Sibpur, Howrah. Principal—B. K. Bhattacharyya, M.A. 23 other teachers. B.A., B.Com., I.Sc., I.A.

SILIGURI, *Siliguri College*, Darjeeling. Principal—B. C. Guha, M.A. 10 other teachers. I.A., I.Sc.

SONADA, *Salesian College*, Darjeeling. Principal—O. Paviotti. 8 other teachers. B.A., I.A.

SURI, *Vidyasagar College*, Birbhum. Principal—A. K. Sen, M.A. 26 other teachers. B.A., B.Sc., I.A., I.Sc.

TAKI, *Taki Government College*, 24 Parganas. Principal—B. Ghosh, M.A. 11 other teachers. I.A., I.Sc.

TAMLUK, *Tamralipta Mahavidyalaya*, Midnapur. Principal—D. Chaudhuri, M.A., LL.B. 16 other teachers. B.A., I.Sc., I.A.

ULUBERIA, *Uluberia College*, Howrah. Principal—H. P. Ghosal, M.A. 11 other teachers. I.A., I.Sc.

UTTARPARA, *Uttarpara Raja Pearymohon College*, Hughli. Principal—K. C. Gupta, M.A., LL.B. 17 other teachers. I.A., I.Sc.

GENERAL INFORMATION

In July 1854 the Court of Directors of the East India Company sent a despatch to the Governor-General of India in Council directing the organization of the Universities of Calcutta, Madras and Bombay. In pursuance of that despatch the University of Calcutta was incorporated on Jan. 24, 1857. The jurisdiction of the Univ. extended at first throughout practically the whole of northern India, but the territorial jurisdiction has now been limited to the State of West Bengal. The Indian Universities Act of 1904 empowered the Univ. to make necessary arrangements for the instruction of students, and though most of the teaching continued to be imparted in the affiliated colls., teaching in some of the higher branches began to be organized under Univ. management. In 1917 a new scheme for Postgrad. teaching and research centralized postgrad. teaching in Calcutta within, and under the control of, the Univ. The Act of 1951 provides for higher postgrad. teaching in affiliated colls. along with the Univ. Colls.

Postgrad. Teaching in Arts, Comm., Law, Sci. and Technol. is conducted

by the relevant Univ. Coll. Councils. The Univ. provides for Postgrad. teaching in: (1) Engl.; (2) Sansk.; (3) Pali; (4) Arabic; (5) Persian; (6) Hebrew; (7) Syriac; (8) Greek; (9) Lat.; (10) French; (11) German; (12) (*a*) Bengali (*b*) Modern Indian Lang., other than Bengali; (13) Comparative Philol.; (14) Mental and Moral Philos.; (15) History (including Ancient Indian Hist. and Culture and Islamic Hist. and Culture); (16) Econs.; (17) Pol. Sci.; (18) Comm.; (19) Maths. (Pure and Appl.); (20) Phys. (Pure and Appl.); (21) Chem. (Pure and Appl.); (22) Physiol.; (23) Bot.; (24) Geol.; (25) Zool. and Comparative Anat.; (26) Psychol. and Appl. Psychol.; (27) Anthropol.; (28) Stats.; (29) Geog.; (30) Radio-Phys. and Electronics; (31) Educn.; (32) Law.

The Department of Postgrad. Teaching and Research in Arts is located in the Asutosh Building. Postgrad. Teaching and Research in the different branches of Scientific and Technol. studies are carried on in the University College of Science at 92 Upper Circular Road and 35 Ballygunge Circular Road, where opportunities for research have been provided by the establishment of extensive Labs. and up-to-date Workshops. The Institute of Nuclear Physics and the Institute of Radio-Physics and Electronics have been estabd. at 92 Upper Circular Road.

The Univ. buildings include a Senate House, the Darbhanga Building, with Law College, Hostel and Univ. offices, the Univ. Press, the Asutosh Building for postgrad. classes in Arts, postgrad. offices and the Univ library, three buildings for the teaching of Postgrad. Science courses at 92 Upper Circular Road and 35 Ballygunge Circular Road. LABORATORIES (in Univ. Coll. of Science): Phys. and Chem. (Pure and Appl.), Appl. Maths., Psych., Biol., etc. Inst. of Nuclear Physics. MUSEUMS: Asutosh Museum of Indian Art (including Art collections of the late Puranchand Nahar) and Museums attached to the Anthropol. and Comm. sections of the Univ. The University Press is accommodated in a separate building at 48 Hazra Road, Calcutta.

The usual Language of Instruction is English.

CONSTITUTION. The Senate of 151 members (elected 89, nominated 15, *ex officio* 47) is the supreme governing body. The Syndicate of 23 members (elected 14, *ex officio* 9) is the administrative body. The Academic Council of 72 members (elected 21, *ex officio* 51) is mainly concerned with making regulations for different courses. There are 11 Faculties and several Bds. of Studies. The normal work of the Univ. is carried on under the direction of the Vice-Chancellor and Syndicate. Control of financial affairs is in the hands of the Finance Committee.

LIBRARIES. The University Library contains over 222,750 vols., excluding pamphlets and periodicals, and a fairly large collection of Bengali and Tibetan MSS. and Rotograph copies of Persian and Arabic MSS.; 593 books of the Sung Dynasty Tripitaka were presented by the Consul-General for China. Reading Hall.

Besides this central library, there are other libraries attached to the Univ., viz. Law College Library and Libraries of the Depts. of Science.

FACULTIES AND DEANS. *Agric.*, P. K. Sen, M.Sc., Ph.D. Lond., D.I.C.; *Arts*, J. P. Niyogi, M.A., Ph.D. Lond.; *Commerce*, S. K. Basu, M.A., Ph.D.; *Educn.*, S. P. Chatterjee, M.Sc., Ph.D. Lond., D.Litt. Paris, T.D. Lond., F.G.S.; *Engin.*, R. G. P. S. Fairbairn, B.Sc. Glas., Dip. R.T.C.Glas.; *Fine Arts & Music*—S. K. Chatterjee, M.A., D.Litt. Lond; *Law*, Justice R. P. Mookerjee, M.A., LL.B.; *Med.*, S. Mitra, M.B., M.D. Berl., F.R.C.S.Ed., F.R.C.O.G.; *Sci.*, S. N. Bose, M.Sc.; *Tech.*, B. C. Guha, M.Sc., Ph.D., D.Sc. Lond., F.N.I.; *Vet. Sci.*, Capt. P. B. Mookerjee, M.B., D.M.R.E. Camb., F.R.C.S.Ed.

DEGREES. *Agric.*: B.Sc.Ag., 3 yrs., M.Sc.Ag. under preparation. *Arts*: B.A., M.A., B.Com., 2 yrs.; B.T., 1 yr.; D.Phil. (thesis); D.Litt. (thesis). *Engin.*: B.E., 4 yrs.; M.E. (thesis); B.Arch., 5 yrs.; D.Sc.Eng. (thesis); M.Arch. (thesis); M. Planning, 2 yrs.; M.Sc. (Public Health), 1 yr. *Law*: LL.B., 3 yrs.; LL.M. (any Law grad. may sit for the examn.); LL.D. (thesis). *Med.*: M.B., B.S., 5 yrs.; M.D., M.S. and M.O. (thesis); B.D.S., 4 yrs.; D.Sc. (Public Health) (thesis). *Sci.*: B.Sc., M.Sc., 2 yrs.; B.Sc.Ag., 3 yrs.; D.Phil. (thesis); D.Sc. (thesis). *Technol.*: B.Sc. (Tech.), 2 yrs.; M.Sc. (Tech.), 3 yrs. *Vet. Sci.*: course not yet determined

DIPLOMAS AND CERTIFICATES. *Med.*: Dip. in Dietetics, D.T.M. & H., 1 yr.; Dip. in Child Health, Ophthalmic Med. and Surg., 2 yrs.; Dip. in Ind. Health, D.P.H., D.G.O., about 2 yrs.; Tuberculous Dis., Maternity and Child Welfare, about 2½ yrs.; Med. Radiol. and Electrol., 4 yrs.; Dip. Anæs., 1 yr.; Dip. Nutrition, 9 mths. *Engin.*: D.T.R.P., 2 yrs. *Others*: I.A., I.Sc., I.Sc.Ag., 2 yrs.; Cert. in Lang., Dip. in Lang., Dip. in Librarianship, Dip. in Soc. Work, Dip. in Soap Tech., Dip. in Dom. Sci., Dip. in Spoken English, 1 yr.; Dip. in Journalism, 2 yrs.; Cert. in Tanning, 3 yrs.

INCOME (1953–54). Total income—Rs. 61,84,031. Principal sources—Govt. grant—40 per cent., Examn. fees—28 per cent., other fees—14 per cent.

DEPARTMENT OF TEACHING, 95 Russa Road, Calcutta (*Telephone*: South 1868). Arrangements have been made in this Dept. for teaching the B.T. course, and M.A. or M.Sc. course in Education.

ENTRANCE REQUIREMENTS. A certificate of passing Univ. Matric. Examn. (up to 1951) or Sch. Final Examn. of W. Bengal Secondary Bd. of Educn. (from 1952), or any examn. considered by Syndicate as its equivalent. Applications of foreign students considered on their merits.

FEES. Examn. fees range from Rs. 30 for I.A. to Rs. 80 for M.A. D.Phil. and D.Litt. Examns.: Rs. 200 and Rs. 300 respectively. Tuition fees: there is no standard rate of tuition fees. Such fees vary from Coll. to Coll. and for different courses.

"OPEN" POSTGRADUATE AWARD. Bipradas Pal Chowdhury Fellowship (Rs. 5,000 for 1 yr.) awarded every 3 yrs. for foreign scholars to study in India. *See also* Appendix III.

RESIDENCE. There are three classes of lodgings for students: (*a*) Collegiate Hostels; (*b*) Non-collegiate Hostels under external management; (*c*) Halls maintained and Hostels recognized by the Board of Residence. Seat rents vary from Rs. 7 to Rs. 12 p.m. Messing charges from Rs. 55 to Rs. 75 p.m. 68 such residences exist in Calcutta with total accomm. for 5160 students. Of these, 13 are for women only, having 700 places.

BOARD OF HEALTH undertakes med. examn. of students, maintains eye-clinic and arranges for inspection of hostels, halls etc.

SPORTS BOARD. Organizes inter-coll. and inter-university physical activities.

STUDENTS' ADVISORY BOARD (OVERSEAS). The University has established a Board for the purpose: (*a*) of supplying students wishing to pursue their education abroad with all the information, advice and assistance which they may require; (*b*) of supplying the foreign Univ. authorities with information regarding the students which will enable them to make their selections from the applications forwarded.

APPOINTMENTS AND INFORMATION BOARD. Established in 1937, the Board seeks to provide young men with opportunities and facilities for practical

training and ultimately for starting independent careers in the different branches of trade, industry and commerce. It has now become a permanent department of the University, with a salaried Secretary who is in touch with the various industrial and commercial firms and maintains a Register of candidates (with details of their qualifications and careers) seeking benefit under the scheme.

INSTITUTE OF NUCLEAR PHYSICS. Established in 1951, the Inst. provides M.Sc. and post-M.Sc. instruction and research. The Inst. received donations from the public, and grants from the Govt. of India and the Univ. for its establishment. It is an All India Inst. in which 40 per cent of places are meant for students coming from other states of India. Director—Prof. M. N. Saha, D.Sc., F.R.S.

INSTITUTE OF JUTE TECHNOLOGY. Established under auspices of this Univ. by the Indian Jute Mills Assocn., the Inst. is located within the compound of the Univ. Coll. of Science at 35 Ballygunge Circular Road, Calcutta, 19. (*Telephone*: P.K. 1985.) The maintenance of the Inst., under a governing body of which the Vice-Chancellor is the Chairman and the Pres. of the Assocn. is an *ex-officio* member, will be financed by the Assocn. The Inst. will train annually 50 Science grads. or undergrads. Steps have been taken to start a Cert. Course in Jute Technol.

DEPARTMENT OF SOCIAL WORK. The Appointments Board, in collaboration with industries and Govt. of India, started the Diploma Course in Social Work for giving training to their Labour Welfare Officers. This Dept. every yr. trains 60 Labour Welfare Officers who come from different parts of India. An All India Institute of Social Welfare and Business Management, where facilities for training in general as well as industrial welfare are provided, has been established.

SPECIAL UNIVERSITY PROFESSORSHIPS, READERSHIPS AND LECTURESHIPS. Tagore Professorship in Law, Rs. 9000 p.a.; Lady Brahmachari Readership in Medicine, Rs. 2000 p.a.; Tarinicharan Sur Readership in Nuclear Physics, Rs. 6000 p.a.; S. N. Ghosh Lectureship in Comp. Religion, Rs. 9000 p.a.; Kamala Lectureship in Indian Life and Thought, Rs. 2000 p.a. and a gold medal; also other lectureships.

SPECIAL LECTURES. Eminent scholars from India and abroad are, from time to time, invited by the Univ. to deliver courses of lectures on subjects in which they have specialized. These lectures, after delivery, are printed and published by the Univ.

STUDENTS' UNIONS. There are Students' Unions in Colls. and various extra-academic activities are normally organized by them.

PUBLICATIONS. *Calendar*, Rs. 12 annually; *Univ. Regulations*, Rs. 7; *Convocation Addresses*, 1924–32 and 1915–23, each Rs. 5; *Calcutta Review*, monthly, annual subsn., Rs. 7·8 inland, 14 shillings foreign; *Journals* of Depts. of Letters, vols. i to xxxiii, Rs. 6 each, vol. xxxiv, Rs. 5; *Journal* of the Dept. of Science, vols. i to x, Rs. 4·8 per vol.; New Series, vol. i, Part I, Rs. 6 per vol., and Rs. 2 each part; vol. i, No. 2, Rs. 2; vol. i, No. 3, Rs. 2; vol. ii, No. 1, Rs. 2; Sir Asutosh Mookerjee Silver Jubilee volumes—vols. i, ii and vol. iii in 3 parts, Rs. 11·4 each; *Bulletin* of Math. Society, etc. Other publications (over 600 vols.) on Ancient Indian Culture, History, Philosophy, Law, Economics, Mathematics, Language, Education and Science. Catalogue of University Publications may be had on application to the Registrar.

UNIVERSITY PRESS. Supt.: S. Kanjilal, B.Sc., Dip.Print. Manc. The Univ. undertakes the publication of specialized lectures delivered by the Univ.

Professors, Lecturers and Readers, theses of successful candidates for degrees, scholarships and prizes, and results of research work carried out by Univ. Professors, Lecturers and Research Assts., besides a number of periodicals, annuals and serials.

THE YEAR 1952–53

BENEFACTIONS. Various donors : Rs. 231,000 for medals or scholps.

CHANGES IN REGULATIONS. New courses : B.Sc.Ag. ; M.Eng. ; D.M.R.E. ; D.T.M. & H. Revision of existing courses.

NEW BUILDINGS. New Hostel for Technol. students completed.

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITY. Dr. S. C. Chaterjee, Visiting Prof., Hawaii.

DEATHS. Dr. S. K. Mookerjee (former Vice-Chancellor, Fellow) ; Emerit. Prof. S. C. Mahalanobis ; Dr. G. S. Basu (Prof. of Psychol., Fellow) ; Rev. A. E. Brown (Fellow) ; Dr. U. P. Basu (Principal, Calcutta Med. Coll., Fellow).

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	58,868	693
Women	8,479	..
Total	67,347	693

Postgraduate students, 2985.
New admissions, 21,296.

DEGREES AWARDED. *Arts* : D.Phil., 8 ; M.A., 497 ; B.A., 1066 ; B.Com., 840 ; B.T., 450. *Engin.* : B.E., 117 ; M.E. (P.H.), 6. *Law* : LL.B., 105. *Med.* : M.B., B.S., 161. *Sci.* : D.Phil., 15 ; M.Sc., 193 ; B.Sc., 1392.

DIPLOMAS AWARDED. *Arts* : Dipl. in Librarianship, 6. *Engin.* : D.T.R.P., 2. *Med.* : D.M.C.W., 5 ; D.G.O., 13 ; Dip. in Dietetics, 4 ; D.O.M.S., 2 ; D.P.H., 7 ; D.I.H., 2.

UNIVERSITY OF DELHI †

Founded 1922

Postal Address: Delhi 8, India.
Telegraphic Address: University, Delhi, India.
Telephone: Delhi 24121-24123, 24478, 24497.

VISITOR—THE PRESIDENT OF THE REPUBLIC OF INDIA

CHIEF RECTOR—The CHIEF COMMISSIONER OF THE STATE OF DELHI.

CHANCELLOR—Dr. S. RADHAKRISHNAN, M.A., D.Litt., Litt.D., LL D, D.L., D.C.L., F.B.A., Vice-President of India.

PRO-CHANCELLOR—M. PATANJALI SASTRI, Retd. Chief Justice of India.

VICE-CHANCELLOR—G. S. MAHAJANI, M.A., Ph.D.

TREASURER—M. S. BHATNAGAR, Joint Secretary, Ministry of Finance

REGISTRAR—T. P. S. IYER, M.A.

DEANS—*Agriculture and Forestry*—T. J. MIRCHANDANI, M.Sc., Ph.D. Lond.; *Arts*—B. PRASAD, M.A., D Litt.; *Education*—A. N. BASU, M.A. Lond.; *Law*—L. R. SIVASUBRAMANIAN, B.A, M.L., *Medical Sciences*—R. VISWANATHAN, B.A., M.D., T.D.D.; *Science*—P. MAKESHWARI, D.Sc., *Social Sciences*—V. K. R. V. RAO, M.A, Ph.D. Camb, D.Litt; *Technology*—S. C. SEN, B.Sc. (Engg.).

LIBRARIAN—S. DAS GUPTA, M.A.

PROCTOR—RAM BEHARI, M.A., Ph.D., Sc.D. Camb.

APPOINTED (*) AND RECOGNIZED TEACHERS OF THE UNIVERSITY, for classes above Intermediate standard. Teachers other than those specifically named as Professors and Readers are Lecturers or other teachers of the University.

(S.), (H.), (R.), (D.), (C.), (HR.), (K.M.), (I.), (M.) and (K.) denote St. Stephen's, Hindu, Ramjas, Delhi, Shri Ram College of Commerce, Hansraj College, Kirori Mal College, Indraprastha College for Women, Miranda House (Univ. Coll. for Women) and S.G.T.B. Khalsa College respectively. (N.), (CCA.), (CIE.), (DSE.), (SW.), (LHMC.), (DP.), (DB.) and (I.I.) denote College of Nursing, Central College of Agriculture, Central Institute of Education, Delhi School of Economics, Delhi School of Social Work, Lady Hardinge Medical College, Delhi Polytechnic, Deshbandhu College and Lady Irwin College respectively.

Agriculture

Mirchandani, T. J., M.Sc., Ph.D. Lond. Reader (CCA.).

Singh, J., Ph.D. Wales (CCA.).

Rao, W. V. B. S., M.Sc., Ph.D. (CCA.).

† Member of the Association of Universities of the British Commonwealth.

Sircar, S. M., M.Sc., Ph.D. (CCA.).
Singh, S., B.Sc. (Ag.) Panj., Ph.D. Corn. (CCA.).
Badola, J. R., B.Sc. (CCA.).
Singh, G. (CCA.).
Randhawa, G. S., M.Sc. (Ag.) Panj., M.S A. Tor., Ph.D. Mich. (CCA.).
Gera, S. D., M.Sc. (CCA.).
Mathur, K. S., B.Sc. (CCA.).
Chowdhry, S. C., B.Sc., M.A. (CCA.).
Mehta, R. K., B.Sc. (CCA.).
Iswaran, V., M.Sc. (CCA.).
Pruthi, H. S., M.Sc. (CCA.).
Chandra, R., B.Sc. (CCA.).
Dureja, G. D., B.Sc. (CCA.).
Seth, S. P., M.Sc. (CCA.).
Sharma, G. R., B.Sc (CCA.).
Nath, N., M.Sc. (CCA.).
Suryanarayanan, S., M.Sc., Ph.D. (CCA.).
Baijal, V. D. (Pt.-time).
Chacko, M. J.
Gupta, S. C.
Lal, R.

Anthropology

Biswas, P. C., M.Sc. Calc., Ph.D. Berl. Reader.*

Lecturers

Mookerjee, Mrs. Freda, M.Sc., Ph.D.*
Mehra, J. D., M.Sc.
Singh, I. P.

Arabic

Fariq, K. A., M.A., Ph.D. Alig.

Architecture

Ghuman, E. S., B.Sc. (Arch.) (DP.).
Dutt, P. N., Dip. in Arch. (DP.).
Vaidya, V. B., Dip. in Arch. (DP.).
Jhabvala, C. S. H. (DP.).
Rana, M. M. (DP.).
Vazirani, V. N., B.E.
Sankaralingam, S., B.E. (Civil), C.E. (DP.).

Bengali

Choudhuri, N. N., M.A., Shastri Reader (R.).
Chakravarty, Mrs. N., M.A. (I.).
Sen, Nandita, M.A. (Pt.-time) (I.).
Dass Gupta, R. K. (H.).

Botany

Maheshwari, P., D.Sc., F.N.I. Prof *

Readers

Chinoy, J. J., M.Sc., Ph.D., D I.C.*
Johri, B. M., D.Sc.*

Lecturers

Nanda, K. K., M.Sc., Ph.D. Bom.*
Tandon, S. L., M.Sc.*
Narayanaswami, S., M.Sc.* (on leave).
Sanwal, B. D., M.Sc.* (on leave).
Venkatesh, C. S., M.Sc.*
Singh, V. P., M.Sc.*
Mitra, G. C., M.Sc., D.Phil.*
Chowdhury, N. P., M.Sc.
Kumari, Sulbha, M.Sc. Res. Asst.
Mohamam, H. V.
Das, B. K., M.Sc. (H.).
Das, P., B.Sc., LL.B. (H.).
Garg, O. P., M.Sc. Panj. (D.).
Chopra, Mrs. Naima, M.Sc. Panj. (LI.).
Sharma, G. R., B.Sc. (Ag.) (CCA.).
Gera, S. D., M.Sc. (CCA.).
Mehta, R. K., B.Sc. (Ag.) (CCA.).

Chemical Engineering

Desai, M. H., B.Sc., Ph.D. Lond. (DP.).
Dass Gupta, S. M., M.Sc., Ph.D. (DP.).
Daruwala, E. D., B.Sc. (Tech.), Ph.D. Manç. (DP.).
Deshpande, R. C., B.Sc. (Tech.), Ph.D. (DP.).
Salgar, M.A., B.Sc. (Tech.) (DP.).
Krishna, N. G., B.Sc., M.Sc. (Tech.), M.Ch.E. (DP.).
Mandal, A. K., M.Sc., M.S. (DP.).

Vishwanathan, M. S., B.Sc. (Tech.), M.S. Pitt. (DP.).
Baliga, M. N., M Sc. (Tech.), Ph.D (DP.).
Wagh, N. H., B.Sc. (Tech.), M.S. (DP.).
Datta, R L., M.Sc. (Appl. Chem.), Ph.D., D.I.C. (DP.).
Chawla, S. L., M.Sc. (Tech.) (DP.).

Chemistry

Seshadri, T. R., M.A., Ph.D. Prof.*
Bhatnagar, S. S., D.Sc , F.R.S. Hon. Prof.*
Mitra, R. P., D.Sc. Prof.*
Jain, B. D., Ph.D. Reader.*
Mathur, K. B. L , D.Sc. Agra * (on leave).
Saharia, G. S., Ph.D. Reader *

Lecturers

Jha, S. D., M.Sc., D.Phil. (on leave)
Kar, K. R., Ph.D.*
Singh, R. P., M.Sc.
Johri, K. N., M.Sc.*
Khosla, B., M.Sc.*
Sreeramamurthy, V. V., D.Sc.*
Pakajamony, Miss K., M.Sc.*
Mathur, H. B., M.Sc.* (on leave).
Gaur, H. C., M.Sc., Ph.D.*
Varadarajan, S., M.Sc.*
Gupta, S. R., M.Sc.
Krishnamurthy, M., M.Sc.
Jain, A. C., M.Sc.
Rajagopalan, D., M.Sc. Res. Asst.*
Mookerjee, S. K., M.Sc.
Neelakantan, S., M.Sc.
Sehgal, J. M., M.Sc.
Ramaiah, N. A., M.Sc.
Aghoramurti, K., M.Sc., Ph.D.
Purshotam, Mrs. K. V., M.Sc.
Gupta, Ishwar Dass, M.Sc. Res. Asst.
Mittal, D. P., M.Sc. Res. Asst.
Gupta, V. N., M.Sc. Res. Asst.
Saxena, G. M., M.Sc. Res. Asst.
Dhar, M. L., M.Sc. Res. Asst.
Dewan, R. K., M.Sc. Res. Asst.
Aggarwal, A. L., M Sc Panj. (H.).
Jain, B. L., B.Sc. (H.).
Narula, J. L., M.Sc. (R.)
Suri, S. P., M.Sc. (D.).
Kumria, R. L., M.Sc. (D.).
Soni, P. L., M.Sc. Panj. (HR.).
Multani, R. K., M.Sc. Panj. (HR.).
Puri, Vimla, M.Sc. Panj. (LI.).
Saroj, R., M.Sc. (LI).

Chinese Studies

Kaung, C. H. Pt-time Lectr.

Commerce and Geography

Vaish, J. N., M.A. Calc., F.C.A. (C.).
Shandilya, M. L., M.A., B.Com. Calc., LL.B. Alld. (C.).
Shukla, M. C., B A., B.Com. Birm. (C.).
Sadanah, K. L., B.A. Lond., M.A. Panj. (C.).
Gupta, R. K., M.Com. Alld. (on leave) (C.).
Sahai, V., B.A , F.C.A. (Pt.-time) (C.).
Sud, P. L., B.A , B.Com. (Pt.-time) (C.).
Gupta, C. B., M.A., B.Com. Agra (C.).
Kapoor, M. C., M.Com. Agra (C.).
Grewal, T. S., M.A. Calc. (C.).
Gautam, J. K., M.Com. Alld. (C.).
Prakash, A., M.A., LL.B. (C.).
Ghose, P. K., M.Com. (R.).
Gupta, L. N., M.Com. (Pt.-time) (C.).
Bhattacharya, M. K., M.A. Calc. (D.).
Muskin, B. S., M.A. (D.).
Chandra, K., M.Com. (K.).
Gupta, A. D., M.A. (Com.) (DP.).
Tandon, B. N., M.A.(Com.) (DP.).
Lalwani, K. C., M.A. (DP.).
Chand, S., M.A. (DP.).
Gideon, G. S., B.Com., M.A. (DP.).
Jain, H. M., M.Com. (DP.).

Handa, D. N., B.Com. (DP.).
Bhargava, B. L., B.Com., M.A. (DP.).

Economics

Maheshwari, P. P. (H R.).
Rao, V. K. R. V., M.A., Ph.D. Camb., D.Litt. Prof.*
Ganguli, B. N., M.A., Ph.D. Calc. Prof.*
Dhar, P. N., M A. Lectr *
Pant, N. K., M.Com. Lectr.*
Raj, K N.
Ghosh, A. B.
Mukherjee, P K
Nataranjan, M S.
Nag, S. P.
Anautha Rao, S. R.
Patil, H. S., M.A. Res. Asst.*
Sahramonian, S.
Lal, H.
Nag, K. C , M A. Calc. Reader (S).
Ray, N. C., M.A. Dacca (S.).
Ghose, D C., M.A , Ph.D. Panj., M.Sc. Lond. (S.).
Saxena, D. K., M.A. (S.).
Bhatia, B. M., M A. (H.).
Mathur, K. P , M A. (H.).
Maheshwari, S., M.A (H.).
Kaushik, O P , M.A. (H.).
Agarwal, A. N., M.A. Alld. (R.).
Sehgal, B. R., M.A. Panj. (R.).
Bhattacharya, K. N , M.A. (R.).
Choudhury, G. S , M.A (R.).
Johri, C. K , B.Com , M.A (R).
Narain, R., M.A (C.).
Andley, K. K., M.A. (C.).
Prakash, A., M.A., LL.B. (C)
Bhatnagar, S. K , M.A. Agra (C.).
Chaudhuri, N. R., M.A. Dacca (D.).
Krishna, R., M A. (D.).
Mark, I. R., M.A. Agra (D.).
Muskin, B. S., M.A.
Narain, D., M.A. (HR.).
Khatri, J. D., M.A. Panj. (HR.).
Barpujari, B. K. (HR.).
Sundaram, K. P. M., M.A.
Kausukutty, Miss C. K., M.A. Madr., M.Sc. Lond , L.T. (I.).
Bose, Miss M., M.A., B.T. (I.).
Rau, Mrs. Shakuntala, M.A. (I.).
Mehra, Mrs S., M.A. (I.).
Ahluwalia, Samlita, M.A. (Pt.-time) (I.).
Jankiamma, Miss A. C., M.A. Madr. (on leave) (M.).
Sastri, Kanthimathi, M.A., M.Litt. (M.).
Dar, Mrs. Usha, M.A. Alld. (M.).
Gourie, Mrs. S., M.A Brist., M.A., L.T. Madr. (LI.).
Pentz, Miss D. B., M A. (N.).
Jhakurdas, Mrs. F., M.A. (N.).
Shah, Mrs. Jyotona H., Ph.D. (N.).
Sundharan, R. P. S. (C.).
Dutt, Miss M (M.).
Pal, B. N. (K.M.).
Khanna, R S (K.M.).
Singh, S. (K.).
Singh, U. (K.).
Uppal, K D (D.B.).

Education

Basu, A. N., M.A. Lond. Reader (CIE.).
Pires, E. A., M.A., Ph.D. Bom., M.A. Lond. (CIE.).
Roy, P. K., M.A. Calc., B.Ed. Edin. (CIE.).
Prakash, Mrs. Rajeshwari, M.Ed. Harv , M.A., L T. (CIE.).
Sharma, P. D., M Ed. Harv., M.Sc., B.T. (CIE.).
Mathew, Miss Mariam, M.A., L.T., D.Ed. (CIE.).
Nigam, D. S., M.Sc., B.T. (CIE.).
Mukhopadhyay, S. N., M.A., Ph.D. (CIE.).
Sandhu, Mrs. Sheila, M.A., B.T. (CIE).
Shanker, U., M.A. Lond. (CIE.).
Rahman, N. A., M.A., M.Sc. (CIE.).
Prakash, V., M A., M.A. (Educ.) (CIE).
Pandey, B. N., M.A., L.T. (CIE.).
Attavar, Mrs. S. (LI.).
Gourie, Mrs. S., M.A. Brist., M.A., L.T. Madr. (LI.).

Adiseshiah, Mrs. H. E. M., M.B., Dip.Ed. Lond. (LI.).
Roy, Binoy, B.A , B.T. (LI).

Electrical Engineering

Luthra, S. P., B.Sc. (Engg.), Ph.D (Engg.) (DP.).
Venkataramania, T. R., B.Sc. Elect. Engg. (DP.).
Narayanan, R C , M.Sc. Elect. Engg. (DP.).
Singh, B., M.Sc., B.Sc. (Engg.) (DP.).
Nayak, U. L , B Sc (Engg.). (DP.).
Rao, S. R., B.E (DP.).

English

Walker, C. E., M.A. Oxon. (S.).
Bhalla, M. M., M.A. Panj. (S.).
Jarvis, Rev. W. A. W., M.A. Oxon. (S.).
Ramsden, W. S., M.A., LL.B. Luck. (S.).
Capron, Rev. Canon R. S., M A. Camb. (S.).
Adlam, R. (S.)
Bhattacharyya, A., M.A. Oxon. and Calc. Reader (H.).
Sood, P. C., M.A. Luck., B.A. Oxon. (H.).
Gupta, R. R., M.A. (H.).
Singh, S., M.A. (H.).
Raina, S. P., M.A. Panj. (H.).
Nath, V., M.A. Panj (H.).
Chawla, S. S., M.A. Oxon. (H.).
Mitra, B. N., M.A. (H.).
Das Gupta, R. K., M.A., Ph.D. (H.).
Kumar, S., M A. (H.).
Gupta, B. B., M.A. (R.).
Chopra, R. P., M.A. (R.).
Sharma, R. C., M.A. (R.).
Ram, M., M.A. (R.).
Verma, B. L., M.A. (R.).
Lal, M., M.A. (R.).
Damodaran, A., M.A. (R.).
Chadha, G. L., M.A. (R.).
Bahadur, U., M.A., Ph.D. Edin. (C.).
Mathur, P. K., M.A. (C.).
Mukerjee, G. C., M.A. Luck. (C.).
Lal, K., M.A. (C.).
Kalia, B. K., M.A. Panj. (D.).
Chatterji, A., M.A. (D.).
Ghose, M. N., M.A. Dacca (D.).
Sharma, G. N., M.A. Raj. (D.).
Sarkar, B. K., M.A. Calc. (D.).
Prashar, S., M.A. (D.).
Kaul, A. N., M.A. Panj (D.).
Husain, M., M.A. Alig. (D.).
Sen, D. K , M.A. (D.).
Hakim, A. (D.).
Sawhney, B. (D.).
Kaul, R. K. (D.)
Kulshreshtha, C. M (D.)
Pillai, Mrs. B. P., M.A. Madr. (I.).
Thomas, Miss S., M.A. (I.).
Singh, Miss Uttam, M.A. (I.).
Gorowara, Miss K., M.A (I.).
Rau, Vidya, M.A. (I.).
Dustoor, H. P., M.A., Ph.D. (I.).
Khanna, Miss U.
Parkash, G., M.A. Panj (HR.).
Narain, I., M.A. Panj. (HR.).
Ram, T., M.A. (HR.).
Ray, S. N., M.A. Calc. and Lond., Ph.D. Lond. (HR.).
Guha, J. P., M.A. (HR.).
Vaid, K. B., M.A. Panj. (HR.).
Achaya, Miss Kamala, M.A. Oxon. and Madr. (M.).
Essauloff, Mrs. K., M.A. Madr. (M.).
Parshad, Miss Pramila, M A (on leave) (M.).
Malik, Miss Kapila, M.A. Mich. and Delhi (M.).
Chatterjee, Mrs Bina, M.A. (N.).
Kapoor, Miss R (N.).
Paul, D., M.A (K.M.)
Sarma, R., M.A., Ph.D (K.M.).
Singh, A., M.A. (K.).
Singh, G., M.A., Ph.D. (K.).
Raridhawa, G. S (K.).
Krishan, B. (K.).

Adiseshiah, Mrs. H. E M., M.A. Madr., T.D Lond (on leave) (LI)
Vachher, S. L , M.A (CCA)
Chandra, H , M.A. (DB.).
Bhalla, D. S., M.A. (DB.).
Sud, R. K., M.A , LL.B (DB.)
Sanyal, D K., M.A. (DP.)
Kapur, A. N , M A. (DP.)

French

Sinha, Mrs. Marthe Pt.-time Lectr *

Hindi, v. Sanskrit

History

Prasad, B., M.A., D.Litt. Prof.*
Saran, P., M.A., Ph.D. (on leave) Reader.*
Ram, D. R., M.A. Camb. (S.).
Kapadia, E R., M.A. Lond. (S.).
Shankland, R. I., M.A Lond. and Oxon. (S.).
Amin, M., M.A , LL.B. Alig. (S.).
Mittal, C. P , M.A. (S.)
Rai, G., M.A. Panj. Reader (H.).
Sharma, D , M.A., D.Litt. (H.)
Chandra, B., M A. (H.)
Bhandari, D. R., B.A. Lond. Reader (R.).
Anand, P. L., M.A (R.).
Prasad, A., M.A. (R).
Vohra, M. L., M.A (R.).
Dass, S. R., M.A., Ph.D. Calc. (D.).
Mehdi, S. H., M.A. Luck. (D.).
Hasan, S., M.A. Luck. (D.).
Ahmad, L. L., M.A. Calc. (D.).
Singh, V. P., M.A. Alld., Ph.D. (C.).
Gandhi, S. S., M.A. Panj. (on leave) (HR.).
Gujral, L. M., M A. (HR.).
Gupta, Mrs. R. Dass, M.A. (I.).
Saxena, Mrs. P. M., M.A. (I.).
Kaushik, Mrs. S., M.A. (I.).
Nair, Miss Indra, M.A. (I.).
Thakurdas, Mrs. Indira, M.A. (I.).
Chakravarty, Miss Nomita, M.A. (I.).
Dua, Miss Shiva, M.A. Panj. (M.).
Mitra, Miss Roma, M.A Calc. (M.).
Minchanda, Mrs. (M.).
Huger, Rev. Father G., M.A., Ph.D. (K.M.).
Dhar, S. N., M.A. (K.M.).
Mehta, D. D., M A. (K.M)
Lakhani, T B.
Grover, A.
Singh, F., M.A. (K.).
Gourie, Mrs. S., M.A. Brist., M.A., L.T. Madr. (LI.).
Chakravarty, P. C , M.A (DB.).

Home Science

Tarabai, Mrs. B., M.A. Reader (LI.).
Attavar, Mrs. Susheela, B.A., L.T. Madr., Dip. in Educn. Brist. (LI.).
Doongaji, Miss Sherie, M.Sc. (LI.).
Briant, Miss M. A. (LI.).
George, Mrs. M., M.B., B.S., D.G O. Madr. (LI.).
Deulkar, Miss Durga, Dip. Dom. Sc. Lond. (LI.).
Adiseshiah, Mrs. H. E. M., M.A. Madr., T.D Lond. (on study leave) (LI.).
Gourie, Mrs. S., M.A. Brist. and Madr. (LI.).
Deshpande, Mrs. Raushini (LI.).
Roy, Miss Roy (LI.).
Bhatt, Mrs Indra N. (Pt.-time) (LI.).
Khanna, Mrs. Prabha, M.A. (Pt -time) (LI.).
Saxena, B

Law

Sivasubramanian, L. R., B.A., M.L. Prof.*
Vardachariar, S., D.C.L. Hon. Prof.

Lecturers

Shrimali, M. L., M.A., B.Com., LL.M.*
Jain, M. P., LL.M.*
Rohtagi, A. B., M.A., LL.B. (Pt.-time).*

Rohtagi, K. B., M.Com., M A , B C.L.
Anandjee, B.Sc , LL.B.*
Dhar, S., B.A., LL.M.*
Chawla, T. P. S., B.A., LL.B. Camb. (Pt.-time).*
Singh, H., M.A., LL.B., Ph.D. (Pt.-time).*
Gaur, D. N., M.A., LL.B.*
Latika, Miss Mitra, B.A., LL B., Ph.D.*
Bedi, A. S., B.A , LL.B.*
Tripathi, P. K., B.Sc., LL.M.*
Parkash, C., M.A., LL.B.*
Darja, H. R., M.A., B.L.*
Gupta, L. K., M.A., LL.B
Rao, S. J., LL.M.
Rao, K. V., LL.M.
Singh, D. K., LL.M.
Misra, V. D., M A., LL.B. (Pt - time)

Library Science

Das Gupta, S., M.A. Camb. Reader.*
Ranganathan, S. R., D.Litt.*
Ramabhadran, S (Pt.-time).

Mathematics

Behari, R., M.A., Ph.D., Sc.D. Camb. Prof.*
Bhatnagar, P. L., M.A. Agra, D.Phil., D.Sc. Alld. Reader (S.).
Bhattacharya, P. B., M.Sc. Alld. (S.).
Sircar, S. C., M.A. Camb. (S.).
Morton, H. K., B.A. Camb. (S.).
Kapoor, J. N., M.A. (H.).
Sharan, J., M.A. (H.)
Chand, P., M.A. (H.).
Shah, S. C. R., M.A. (H.).
Uppal, P. N., M.A. (H.).
Chatterjee, L. D.
Mitra, J. N., M.A. (R.).
Gupta, P. D., M.A. (R.).
Saxena, H. C., M.A. (R.).
Singhal, M. K., M.A. (R.).
Mehra, H. R., M.A. Panj. (D.).
Shankar, H., M.A. Ban. (D.).
Gupta, S. S., M.A. (D.).
Verma, D. D. (D.).
Rattan, V., M.A. (C.).
Goswami, G., M.A. Calc. (I).
Prakash, Mrs N., M.A. (I.).
Gupta, S. (I.).
Narayan, S., M.A. Panj. (HR.).
Dass, B., M.A. Panj. (HR.).
Mehra, B. B., M A. (HR).
Luthra, I S.
Gorowara, K. K.
Thakurdas, Miss Veda, M.A. Camb. and Panj. (M.).
Bhar, Miss Ramala, M A. Calc. (M.).
Singh, Mrs. S. M., M A. (M.).
Pahwa, Miss S., M.A. (K.M.)
Kaul, T. N , M.A , Panj. (K.M.).
Makhija, M. T., M A (K M.).
Singh, G., M A (K.).
Malik, S. C
Chand, W.
Kakar, R. L
Kathavate, Y. V., M.Sc., Ph.D (CCA.).

Mechanical Engineering

Sen, S. C , B.Sc (Engg.) (Mech) (Glass) (DP.)
Luthra, S. P., B Sc. (Engg.), Ph.D. Lond. (DP.).
Bakhru, H. J., B.E. (Mech.) (DP.)
Bimlerahw, J. R , B.Sc. (Engg.) (DP.).
Upasani, L. R., B.Sc. (Engg.) (DP.).
Singh, G., B.Sc. (Engg.) (DP.).
Trikha, S. N. (DP.).
Chandola, S. P., B Sc. (DP.).

Medicine

Viswanathan, R., B.A., M.D., T.D.D. Reader.
Patil, H. B., M.B., B.S., M.D. Bom., D.Bact. Manc., D.T.M. & H. Lond. (LHMC.).
Choudhuri, M., M.B., B.S. Panj., F.R.C.S. (LHMC.).
Kohli, R., M.B., B.S. Panj., D.M.R.E. Camb. (LHMC.).

Achaya, S., M.B., B.S., D.G.O., M.S. Madr., F.R.C.S. (LHMC.).
Birch, Carrol L., B.S.U Penn., M D Ill , M.S., F.A.C.P. (LHMC.).
Malkani, P. K., M.B., B S. Panj. (LHMC.).
Martin, Sheila, M.B., B.S. Panj., D.T.M. Calc. (LHMC.).
Joseph, R., M.B., B.S. Panj., D.O. Madr , D.O.M.S. Lond. (LHMC.).
Padmavati, S., M.B., B.S. Rangoon (LHMC.).
Dass, A., M.B , B.S. Panj. (LHMC).
Brain, H. E., M.B., B.S. Panj. (LHMC).
Bhatia, S. L., B.A , M.B., B.Chir. Camb. (LHMC.).
Lukose, G. M , F R.C.S. (LHMC.).
Raghunath, P , M.B., B.S. Panj. (LHMC.)
Singh, B. K., M.B., B.S. (LHMC).
Roy, B. B , M.B., B.S. Calc. (LHMC.)
Chand, S. D., M.B., B.S. Panj. (LHMC.).
Katrak, Miss B. N , M.Sc. Bom. (LHMC.)
Gayatonde, Miss N. S , B.Sc., M.Sc. (Tech.) Bom. (LHMC.).
Mathias, J., M.B., M.S., D.G.O. Madr. (LHMC.).
Thomas, Alice, M.B., B.S., D.G.O. Madr. (LHMC.).
Reys, Mary, M.B., B.S. (LHMC.).
Anand, B. K., M.B., B.S , M.D. (LHMC.).
Malhotra, C. L., M.D., B.S. (LHMC.).
Mukherji, Anjali, M.B., B.S. (LHMC.).
Gaind, Sushila, M.B., B.Sc. (LHMC.).
Sharma, Kesar, M.B., B.S. (LHMC.).
George, Mrs. M., M.B., B.S. (LI.).

Nursing

Craig, Margaretta, M A., B Sc. Reader (N.).
Buchanan, Edith, B.A. (N.).
Bhatia, B. D., M.A. (N.).
Thomas, Mrs. A. (N.).
Alleykutty, Miss K. P. (N.).
Devadas, Mrs. R. P., M.Sc., M.A., Ph.D. (N.).
Jones, Miss C. E. Clifford (N.).
Orbell, Miss E. (N.).
Hukku, S., B.A., Dip. in Dom.Sc. (N.).
Johnstone, Miss E. K. (N.).
14 External Lectrs. (N.).

Panjabi

Singh, S , M.A , M.Ed. (Pt.-time) (H.).
Singh, B , M.A. (D.).
Singh, S , M.A , M Ed. (Pt -time) (I.).
Ashta, D. P., M.A., B.T., Gyani (K.M).
Singh, P., M.A., Gyani, Munshi Fazil (K.M.).
Kohli, S. S., M.A. (K.).
Dil, B. S , M A. (K.).
Singh, D.

Persian and Urdu

Faruqi, K. A., M.A. Agra.
Abidi, S. A. H., M.A., Ph.D. Agra (S.).
Sarup, B., M.A., M.O.L. (H.).
Ranjan, C. R., M.A. (R.).
Sharma, R. C., M.A. (R.).
Musavi, M. H., M.A. Alld. Reader (D.).
Sadarangani, H. I., M.A., Ph.D. Bom. (D.).
Vashishta, S. P., M.A. (D.).
Ali, M. (D.).
Jan, S. A., M.A. (C.).
Bedi, K. S.
Zutshi, T. N. (I.).
Sehgal, A. N., M.A., M.O.L., Munshi Fazil (K.M.).

Singh, P., M.A., Munshi Fazil (K.M.).
Mathur, J. N., M.A. (Pt.-time) (K.).

Philosophy

Banerjee, V. V., M.A. Calc., Ph.D. Prof
Bose, S. K., B.A. Camb., M A. (S.).
Ray, B. N., M.A. Calc., Ph D. Dacca (S.).
Saxena, S. K., M.A. (H.).
Chand, P., M.A. (H.).
Kaul, B. N., M.A. Alld. (R.).
Das Gupta, Miss B., M.A. Calc. (I).
Sherjung, Mrs. N., M.A , B.T. (I.).
Kumar, S , M.A. (I.)
Chakravarty, Mrs. N., M.A. (I.).
Gungwal, S. (I.).
Begg, M. M., M.A. (D.)
Basit, A., M A. Alig. (D.).
Haldar, M. K., M.A., Ph.D. Lond (D).
Pandeya, A. N., M.A. Luck. (HR.).
Vati, Miss Vidya, M.A. Panj. (M.).
Pal, Mrs. Usha, M.A. (M.).
Mahanty, Shakuntala, M.A. (M.).
Bir, K., M.A. Panj. (K.M.).
Chanana, Mrs V., M.A. (K.M.).
Thomas, Mrs. M. A. (DB.)

Physics

Kothari, D. S., M.Sc., Ph D., F.N.I. Prof.
Majumdar, R. C., Dr.Phil.Nat. Jena Prof.*
Kichlu, P. K., D.Sc., F.N.I. Prof.*
Rai, R. N., M.Sc., D.Phil. Reader.*
Saha, N. K., D.Sc. Reader.*
Auluck, F. C., Ph.D., D.Sc. Panj. Reader.*
Datta, G. L., M.A. (Phys.) Calc., Ph.D. Gött Reader (HR.).

Lecturers

Singh, T., M.Sc.*
Verma, A. R., M.Sc.* (on leave).
Choudhury, M., M.Sc *
Nandi, S. K., M.Sc.*
Bhowmick, B., M Sc.*
Ram, S., M.Sc.*
Singh, H., M.Sc.*
Ram, M., M.Sc., Ph.D.*
Kishore, J., M.Sc.*
Sagar, Mrs. N. D., M.Sc.*
Nigam, B P., M.Sc * (on leave).
Mitra, A. N., M.A.* (on leave).
Chowdhury, K. D., M.Sc., Ph.D.
Machwa, M. K , M Sc.
Verma, R K., M.Sc.
Nagir, A , M Sc., Ph.D
Saxena, R. C , M.Sc.
12 Research Assistants*

Political Science

Chacko, C. J., M.A , Ph.D Reader.
Agarwal, N N., M.A. (H.).
Bhandari, D. R., B.A. Lond. (R).
Anand, P. L., M.A. (R.).
Vohra, M. L., M.A (R.).
Prasad, A., M.A. (R.).
Gupta, D. C (R).
Paul, S., M.A. Dacca (D.).
Singh, R , M.A. (D).
Singh, V. P., M A. Alld., Ph.D. (C.).
Suri, C. L , M.A.
Mathur, R. N., M.A., Ph.D. (K.).
Lumba, Mrs. Pramila, M.A., Ph.D. (DB.).
Amar, V. B. (DB.).
Singh, A. (DB)

Russian

Shibayev, V., M.A Reader.*
Essauloff, A. Lectr.*
1 Tutorial Asst

Sanskrit and Hindi

Choudhuri, N. N., M.A. Calc., Shastri Kavya-Vyakar Tirtha Reader (R.).
Nagaich, N., M.A., D.Litt. Reader.*
Singh, V. D.
Yogi, S. B., M.A., Shastri (S.).
Shastri, S. N., M.A., D.Phil. (H.).

Ojha, D., M.A. (H.).
Ashrey, R., M.A., LL.B. (H.).
Gupta, C. B., M.A. (H.).
Mahajan, B. R., M.A. (H.).
Sharma, D. (H.).
Sharma, G. R., M.A. (R.).
Saroj, B. B., M.A. (R.).
Chandra, Indra (R.).
Grel, U. K. (R.).
Mahajan, B. R., M.A. (C.).
Nigam, S. N., M.A. (D.).
Jain, V. K , M.A., Ph.D. (D.).
Bhatt, B N., M.A. Agra (D.).
Sengupta, Miss Prabha, M.A Calc. (I.).
Sinha, Mrs Savitri, M.A., Ph D. (I.).
Aggarwal, Miss S., M.A. (I.).
Srivastava, Mrs. Snehlata, M.A. (I.).
Ranade, Miss S., M.A. (I.).
Bhatt, S., M.A. (I.).
Arora, Mrs. Rukmani, M A. (I.).
Sharma, K. (Pt.-time) (I.).
Dev, N. (Pt.-time) (I.).
Mattur, A. (Pt.-time) (I.)
Gupta, V. (Pt.-time). (I.).
Gupta, Miss K. (Pt.-time) (I.).
Prakash, O., M.A., Ph.D. Agra, Shastri (HR.).
Chaudhary, S. D., M.A. Panj., Shastri (HR.).
Sircar, M. K., M.A. Calc. (HR.).
Bhanot, S. D., M.A., Ph.D. Panj. (on leave) (HR.).
Saroop, R., M.A., M.O.L., Shastri, Vidya Vachaspati (HR.).
Gopal, R., M.A. (HR.).
Mathur, Mrs. Shanti, M.A. Raj. (M.).
Chawdhry, Mrs. Sanyukta, M.A. Panj. (M.).
Garg, Miss Kamla D., M.A. Calc. (M.).
Shukla, Mrs. Laxmi, M.A. (M.).
Puri, V. R., M.A. (K.M.).
Sharma, G. R., M.A., M.O.L., Shastri (K.M.).
Ashta, D. P., M.A., B.T., Gyani (K.M.).
Ram, S., M.A. (K.M.)
Gopee, R. (K.M.).
Singh, H., M.A. (K.).
Gupta, Mrs. Asha, M.A. (LI.).
Kumari, Raj, M.A. (DB.).

Sindhi

Sadarangani, H. I., M.A., Ph.D. Bom. (D.).
Jhangiani, S. M., M.A. (DB.)

Social Work

Moses, Dorothy, M.A., B.T. Calc., Cert. Soc. Work Col., Cert. Soc Service Lav. (on leave) Reader (SW.).
Bhatt, Mrs. Divya, M.S. (SW.).
Sebastian, Miss A., M.A. (SW.).
Mathur, J. S., M.A. Agra and Delhi (SW.).
Pentz, Miss Deborah B., M.A. Chic. (SW.).
Joshi, Miss Manu, A.M. Col. (SW.).
Damle, Y. B., Ph.D. Bom. (SW.).
Gore, M. S., M.A. (SW.).
Mansingh, R. K. (SW.).
Gangrade, K. D (SW.).
Kathuria, R. (SW).

Textile Engineering

Surastava, R. N., D.T.M. (Tech.) (on study leave) (DP.).
Goswami, J. B., M.Sc. (DP.).
Saxena, K. S., D.T.M. Lond. (DP.).
Varma, H. K.
Ghosh, B. (DP.).

Zoology

Bhatia, M. L., Ph.D., D.Sc. Reader.
Johri, L. N., D.Sc. Reader.*

Lecturers

Chaube, Miss Shakuntala L., M.Sc.*
Vishnoi, H. S., M.Sc.*
Chandy, Miss M., Ph.D.* (on leave).
Dutt, M. K., M.Sc.*
Menon, P. S., M.Sc.*
Sarkar, H. L., M.Sc.*

Sexana, K. N., M.Sc., D.Phil.*
Pant, N. C., M Sc., Ph.D.

Research Assistants
Rajamannar, P. V., M.Sc.*
Bannerjee, S. P., M.Sc.*
Majumdar, N. N., M.Sc.
Nagar, S. K., M.Sc. Agra (D.).
Singh, S., B.Sc. (Ag.), Ph.D. Corn. (CCA.).
Pruttie, H. S., M.Sc. (CCA.).

ADMINISTRATIVE AND OTHER STAFF

Proctor: R. Behari, M.A., Ph.D., Sc.D. Camb. (Univ.). Provost, Gwyer Hall: R. Behari, M.A., Ph.D., Sc.D. Camb. Master, Jubilee Hall: T. R. Seshadri, M.A., Ph.D. Deputy Registrar: S. K. Sarkar, M.A., B.L. Sports Officer: S. C. Nanda, M.A. Asst. Registrar, Fac. of Science: R. K. Chhabra, B.Sc. Chief Accountant: K. Chander, B.A. (Com.).

CONSTITUENT COLLEGES AND INSTITUTIONS

DELHI, *Central Institute of Education*, Univ. Enclave. (*Telephone*. 25509.) B.Ed. and M.Ed. Principal—A. N. Basu, M.A. 12 other teachers.

DELHI, *Delhi College*, Ajmeri Gate. (*Telephone*: 26802.) Pre-medical, Dipl. in Hindi and Urdu, B.A., B.Sc., B.A. (Hons.), B.Sc. (Hons.), M.Sc., M.A. Principal—M. M. Begg, M.A. 39 other teachers.

DELHI, *Delhi Polytechnic*, Kashmiri Gate. (*Telephone*: 24870.) Degrees in Elect. Engin., Mech. Engin., Chem. Engin., Textile Engin., Archit. and B.Com. Principal—S. C. Sen, B.Sc. (Engg.). 50 other teachers.

DELHI, *Delhi School of Economics*, Univ. Enclave. (*Telephone*: 24121/23.) Postgrad. Dipl. in Econ. Stats., Postgrad. Dipl. in Econ. Admin., M.A. (Economics) and Research. Director—V. K. R. V. Rao, M.A., Ph.D., D. Litt. 9 other teachers.

DELHI, *Delhi School of Social Work*, University Rd. (*Telephone*: 23991.) M.A. Social Work. Principal—M. S. Gore, M.A. 10 other teachers.

DELHI, *Deshbandhu College*, Kalkaji. (*Telephone*: 44910.) Pre-medical, B.A. Principal—Harish Chandra, M.A. 15 other teachers.

DELHI, *Hindu College*, Kashmiri Gate. (*Telephone*: 24345.) Pre-medical, B.A., B.Sc., B.A. (Hons.), B.Sc. (Hons.), M.A., M.Sc. Principal—A. Bhattacharyya, M.A. 39 other teachers.

DELHI, *Indraprastha College for Women*, Alipore Rd. (*Telephone*: 26253.) B.A., B.A. (Hons.), B.Sc., B.Sc. (Hons.), M.A. Principal—Miss B. Das Gupta, M.A. 38 other teachers.

DELHI, *Kirori Mal. College*, Qutab Rd. (*Telephone*: 26861.) Pre-medical, B.A., B.A. (Hons.), B.Sc., B.Sc. (Hons.), M.A., M.Sc. Principal—H. Lal. 28 other teachers.

DELHI, *Miranda House*, Univ. Enclave. (*Telephone*: 24123/15.) B.A., B.A. (Hons.), B.Sc., B.Sc. (Hons.), M.A., M.Sc. Principal—Miss V. Thakurdas, M.A. Camb. 19 other teachers.

DELHI, *Ramjas College*, Darya Ganj. (*Telephone*: 23706.) B.A., B.Sc., Pre-Medical, B.A. (Hons.), B.Sc. (Hons.), M.A., M.Sc. Principal—B. B. Gupta, M.A. 39 other teachers.

DELHI, *St. Stephen's College*, Univ. Enclave. (*Telephone*: 25086.) B.A., B.Sc., B.A. (Hons.), B.Sc. (Hons.), M.A., M.Sc. Principal—D. Raja Ram, M.A. 23 other teachers.

DELHI, *S.G.T.B. Khalsa College*, Karol Bagh. (*Telephone*: 45330.) Pre-medical, B.A., B.A. (Hons.), M.A. Principal—Sachdev Singh, M.A. 18 other teachers.

DELHI, *Shri Ram College of Commerce*, Darya Ganj. (*Telephone*: 23905.) B.A., B.A. (Hons.), M.A., B.Com., M.Com. Principal—J. N. Vaish, M.A. 26 other teachers.

NEW DELHI, *Central College of Agriculture*, Indian Agricultural Research Inst., Pusa Rd. (*Telephone*: 40217.) B.Sc. (Hons.) in Agric. Principal—T. J. Mirchandani, M.Sc., Ph.D. 23 other teachers.

NEW DELHI, *College of Nursing*, Jaswant Singh Rd. (*Telephone*: 41/135.) B.Sc. (Hons.) in Nursing. Principal—Miss M. Craig, M.A. 36 other teachers (including 14 external lectrs.).

NEW DELHI, *Hansraj College*, Chitra Gupta Rd. (*Telephone*: 48813.) Pre-medical, B.A., B.A. (Hons.), B.Sc., B.Sc. (Hons.), M.A., M.Sc. Principal—G. L. Datta, M.A., Ph.D. 27 other teachers.

NEW DELHI, *Lady Hardinge Medical College*. (*Telephone*: 47201.) M.B., B.S. Principal—Carrol L. Birch, B.S.U., M.D., M.S., F.A.C.P. 26 other teachers.

NEW DELHI, *Lady Irwin College*, Sikandra Rd. (*Telephone*: 47747.) B.Sc. in Home Sc., B.Ed. Directress—Mrs. B. Tara Bai, M.A. 21 other teachers.

GENERAL INFORMATION

The University was established by the Delhi University Act (Act VIII of 1922). The three existing men's Colleges in Delhi—St. Stephen's Coll., Hindu Coll., and Ramjas Coll.—were recognized as Colls. of the Univ. and their teachers as Univ. teachers. The Univ. began to function with the Facs. of Arts and Science; the Fac. of Law was instituted in 1924.

The original idea of the Govt. and Legislature was the establishment and incorporation of a unitary teaching and residential Univ. on the model recommended by the Calcutta Univ. Commission. However, this could not be achieved at once, and the Univ. continued to recognize several colls. in which instruction was provided under prescribed conditions and provision was made for residence of students.

From 1933, when the Univ. was given a permanent home in the Old Viceregal Lodge, the idea of a federal Univ. gradually took shape. The last decade has witnessed rapid growth and development. When the late Sir Maurice Gwyer became Vice-Chancellor, he submitted a five-yr. programme of development to the Govt. of India, which they accepted. The Govt. promised a grant of Rs. 37½ lakhs during 1943–48. With the aid of these grants, the Univ. instituted Professorships in Econs., Hist., Maths., Phys., Chem. and Bot., and the number of Readers and Lectrs. was increased. The Univ. was also able to construct a number of new bldgs. Postgraduate courses, limited to M.A. in the earlier years, were extended to other subjects.

Owing to the large influx of population after 1947, the number of students has increased considerably and new Colls. have been started. The Delhi Sch. of Econ. and the Sch. of Social Work have become recognized institutions preparing students for the M.A. Degrees in Econ. and Social Work respectively.

The Univ. also accepted the extension of the degree course from 2 yrs. to 3 yrs. as part of the reconstruction scheme for Higher Sec. educn. in Delhi.

The scheme includes the abolition of the Inter. Examn., the extension of the High School Course by one yr. (*i.e.* extension from 10 to 11 yrs.), and the institution of a 3-yr. degree Course in the Univ.

To implement this idea an Act (Act No. XXIV of 1943) to amend Act VIII of 1922 was passed by the Central Legislature. The amending Act *inter alia* provides for the appointment of a whole-time paid Vice-Chancellor and has revised the Constitution of the Cttee. of Selection concerned with appt. and recognition of teachers. All recognized teaching in connexion with courses of study is under Univ. control.

The Delhi University Amendment Act, 1952, has made important changes, based on recommendations of Univ. Educn. Commission, 1950. Apptmt. to membership of authorities will be by rotation by seniority instead of by election. The Univ. now becomes a teaching and affiliating Univ. The affiliated Colls., however, are permitted to impart instruction only up to Bachelor's degree. The jurisdiction of the Univ. has been extended over the whole of Delhi State, instead of being limited to a radius of 10 miles from Convocation Hall. The President of India, who was the Chancellor, has now become the Visitor of the Univ., and the Chancellor will be an officer elected by the Court. Provision has also been made for the apptmt. of a Pro-Chancellor, if need be, to assist the Vice-Chancellor.

CONSTITUTION. The Chancellor is the head, the Vice-Chancellor the principal executive and academic officer, of the Univ. The following are the principal Univ. authorities: the COURT, consisting of about 100 members; the EXECUTIVE COUNCIL, which consists of about 17 members and controls and administers Univ. property and funds; the ACADEMIC COUNCIL, which is responsible for the maintenance of standards of instruction, education and examn. within the Univ. Each FACULTY, subject to the control of the Academic Council, has charge of the teaching, courses of study and research work in such subjects as may be assigned to it by the Ordinances.

FACULTIES AND DEANS. *Agriculture and Forestry*—Dr. T. J. Mirchandani; *Arts*—Prof. B. Prasad; *Education*—A. N. Basu; *Law*—Prof. L. R. Sivasubramanian; *Medical Sciences*—Dr. R. Viswanathan; *Science*—P. Maheshwari; *Social Sciences*—Prof. V. K. R. V. Rao; *Technology*—S. C. Sen.

ADMISSION. Students are not eligible for admission to a degree course unless they have passed the Inter. Examn. of an Indian Univ. incorporated by any law for the time being in force, or the Higher Sec. Examn. of the Bd. of Higher Sec. Educn. for Delhi Province, or an examn. recognized as equivalent, and also possess any further qualifn. required. Candidates for admission must be 16 or, if admitted to the 2nd yr. of a degree course, 17 yrs. of age.

NON-MEMBERS OF THE UNIV. The Dean of a Fac. may permit a non-member of the Univ. to attend one or more courses of Univ. lectures or practicals on payment of the prescribed fees.

DEGREES. B.A. Pass, and Hons.; M.Lib.Sc., M.A.; B.Com.; M.Com.; B.Sc. Pass and Hons.; B.Sc. (Hons.) in Nursing; B.Sc. (Home Sci.); M.Sc.; LL.B.; B.C.L. (Hons. Course); LL.M., LL.D.; B.Ed.; M.Ed.; B.Sc. (Hons.) in Agric.; M.B., B.S.; B.E., B.Ch.E., B.Text., B.Arch.; Ph.D.

DIPLOMAS AND CERTIFICATES. Certif. of Prof. in Law (Panjab) (1 yr.); Certif. of Proficiency (2 yrs.), and Dipl. in Russian (3 yrs.); Dipl. in Tuberculous Dis. (1 yr.); Dipl. in Library Sci. (1 yr. postgrad.); Certifs. in French, German and Italian (1 yr.); Dipls. in Hindi and Punjabi (2 yrs. each); Dipl. in Econ. Statistics (2 yrs.); Dipl. in Econ. Admin. (1 yr.).

FEES. Minimum tuition fees payable for 12 mos.: Undergraduate courses, Rs. 15 p.m.; postgraduate courses, Rs. 18 p.m. Fees for residence and cost of living vary from Rs. 60 to Rs. 75 p.m.

ENGLISH is the medium of instruction in the Univ. for all degree courses except in the Modern Indian Langs. Courses, where the Lang. concerned is used.

SCHOLARSHIPS. 6 Resident Scholps. of Rs. 100 p.m. and 6 Scholps. of Rs. 25 p.m. open to students both of Delhi and outside entering the Univ. for first Degree. Awarded annually on result of competitive examn. Scholars are required to study for an Hons. Degree in the Univ. Resident scholars reside in a Coll.

6 " Open " Postgrad. scholps. of Rs. 100 and 3 " Open " resident Fellowships of Rs. 175 p.m. awarded annually under All India Scheme.

LIBRARIES. Central Univ. Library, 66,498 vols., apart from books in departmental libraries. Libraries of constituent colls., more than 160,365 vols. BOTANICAL MUSEUM.

RESIDENCE. Each coll. provides some residential accomm. for its own students. Univ. Halls: Gwyer Hall, accomm. for 92 postgraduate students in addition to a number of res. students and teachers; Jubilee Hall, accomm. for 68 students; medical officer. Both Halls are situated within the Univ. enclave. Monthly fees, Rs. 90 approximately.

N.C.C. (First Delhi Battalion). Authorized strength: 645 cadets and officers.

STUDENT ATHLETIC FACILITIES. There is a Univ. Athletic Assocn. and a Univ. Sports Officer. Sports facilities are provided by each of the colls. and halls. Games played include cricket, hockey, football, tennis and volley ball.

STUDENTS' UNIONS. Apart from the students' union in each coll., there is a central Univ. union.

PUBLICATIONS. *Code* (Calendar); *Courses of Reading*; *Question Papers*; *Annual Report and Annual Accounts* (free); *Convocation Addresses* (free).

THE YEAR 1952–53

NEW COURSES. Courses for M.B., B.S. degree have been revised in accordance with recommendations of Med. Council of India. The question of instituting Ph.D. degree in Law, and M.S. and M.D. degree, has been under consideration.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. S. Tsutu, Prof. E. H. Phelps Brown, L.S.E.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	7437	483
Women	2167	5
Total	9604	488

Postgraduate students, 1982.
New admissions, 3643.

DEGREES (1952). B.Sc. (Hons.) in Agric., 25; B.A. Pass, 246; B.A. Hons., 224; M.A., 217; Ph.D., 4; B.Ed., 62; M.Ed., 17; LL.B., 281; B.C.L., 2; M.B., B.S., 28; B.Sc. Pass, 119; B.Sc. Hons., 130; B.Sc. Hons. in Nursing, 15; B.Sc. Home Science, 7; M.Sc., 45; M.Lib. Sc., 1; B.Com., 100.

[*Information compiled as at 12/7/54.*]

UNIVERSITY OF GAUHATI

Founded 1948

Postal Address: Gauhati, Assam, India.
Telegrams: University Gauhati.
Telephone: Gauhati 101.

CHANCELLOR—THE GOVERNOR OF ASSAM.

VICE-CHANCELLOR AND CHAIRMAN OF THE EXECUTIVE COUNCIL—Professor KRISHNA KANTA HANDIQUI, M A. Calc. and Oxon.

PRESIDENT, ACADEMIC COUNCIL—Professor KRISHNA KANTA HANDIQUI, M.A. Calc. and Oxon.

REGISTRAR—P. DATTA, M.A., B.L. Calc.

DEPUTY REGISTRAR—C. DAS, M.A., B.L. Calc.

ASSISTANT REGISTRAR—.....

TREASURER—K. C. BHATTACHARYYA, M A. Calc.

SECRETARY, UNIVERSITY CLASSES—B. K. BARUA, M.A., B.L. Calc., Ph.D. Lond.

TEACHING STAFF

Anthropology

Lecturers

Goswami, M. C , M.A. Calc
Pakrasi, K. B., M.Sc. Calc

Assamese

Barua, B. K., M.A., B.L. Calc., Ph.D. Lond. Prof.

Lecturers

Goswami, G. C., M.A.
Neog, M., M.A. Calc.
Sarma, S. N., M.A. Calc.

Bengali

Bhattacharyya, D., M.A. Calc. Lectr.

Botany

Baruah, H. K., M Sc. Calc., Ph.D. Camb., F.L.S. Prof.

Lecturers

Bara, K. C., M.Sc. Calc. (on leave).
Das, N., M.Sc. Calc. (on leave).
Kachroo, P. N., M.Sc.
Nayar, B. K., M.Sc.
Sarma, P. C., M Sc., Ph.D. Lond., F L.S.

Commerce

Sabharwal, D. C., M.A. Glas , B.Com. Edin. Prof.
Mitra, A. K., M.A., B Com. Reader.

Lecturers

Agarwal, M. P , M.Com. Bom.
Goswami, P. C., M.A. Calc.
Mathur, A. S., M.A., Dip.S.S.A. Bom.
Saikia, K. N., M.A. Calc.
Sarma, A. K., M.A.
Joseph, A. C., M.Com. And.
Sengupta, S., M.A. Calc.

Economics

Thomas, P. C., M.A., Ph.D. Madr. Reader.

Lecturers

Gogoi, P., M.A. Calc.
Krishnamurthy, K., M.A. Madr.
Rao, V. V., M.A., Ph.D. Madr.

Sarangapani, S., M A. Madr.

Education

Readers

Dasgupta, D. C., M.A., Ed.D. Calif.
Kar, B. C., M.A. Lond., M.A., B.T., T.D.
Mukherjee, N., M.Sc., Ph.D. Lond.
Hazarika, B. N., A M. Ban., M.A., D.Ed. Col. Lectr

English

Choudhury, H., M.A. Calc. Lectr.
Goswami, P., M.A. Calc. Lectr.

Geography

Lecturers

Bhattacharyya, B., M.A. Calc.
Das, H. P., M.A. Calc. (on leave).
Misra, V., M.A. Alld.
Pal, D. K., M.A. Calc. (on leave).
Panchapagesan, N., B.Sc. Madr.
Singh, G. S., M Sc Alld. (on leave).

Geology

Lecturers

Choudhury, J. M., M.Sc. Ban. (on leave).
Banerji, A. K., M.Sc. Calc.
Prafulla, Kumar, M Sc. Ban.

History

Readers

Baji, A. R., M.A , Ph.D. Madr.
Bhattacharyya, S., M.A. Calc

Lecturers

Choudhury, P C , M.A. Ban., Ph.D. Lond.
Misra, V. B., M.A. Ban.

Law

Bora, J., B.L. Calc.
Principal, Univ. Law Coll.

Lecturers

Ali, W., B.L. Calc.
Barua, B. C , M.Sc , B.L. Calc. (on leave)
Das, R. R , B L Calc

Mathematics

Thawani, V. D., M.A. Camb. Prof.

Lecturers

Barua, S. N., M A. Calc. (on leave)
Medhi, J. P., M.A. Calc. (on leave).
Suryanarayana, E. R , M.Sc. Mys.
Sing, K R , M Sc Calc.

Philosophy

Sarma, R. R., M.A., Ph.D. Calc. Reader.

Lecturers

Datta, B. N., M.A Calc.
Patnaik, K. R., M.A. And.

Statistics

Lecturers

Mech, M. C., M.Sc.
Nag, S. C., M.Sc.
Sinha, S. M., M.Sc. Patna.
Sarma, S. N., M.Sc.

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY LIBRARIAN. J. Sarma, M.A. Calc.

WARDENS. Undergraduate Hall: M. C. Goswami, M.A., B.T. Calc.; P. C. Sharma, M.Sc. Ban, Ph.D. Lond.; D. Konger, M.A., B.T. Calc.; K. C. Das, B.T. Calc., M.A.; S. N. Sarma, M.A. Calc.; B.T. Hall: M. Neog, M.A. Calc.

AFFILIATED COLLEGES

BARPETA, *M.C. College*, Assam. I.A., B.A. Principal—R. K. Das, M.Sc. Calc. 3 Profs., 9 Lectrs.

DHUBRI, *B.N. College*, Assam. I.A., B.A. Principal—B. C. Sengupta, M.A. Calc. 3 Profs., 8 Lectrs.

DIBRUGARH, *Assam Medical College* (Govt.), Assam. (*Telephone*: Dibrugarh 80.) M.B., B.S. Principal—H. Barua, M.B. 17 Profs., 12 Lectrs.

DIBRUGARH, *Dibrugarh H.S.K. College*, P.O. Rehabari, Assam. (*Telephone*: Dibrugarh 105.) I.A., I.Sc., B.A., I.Com., B.Com. Principal—J. R. Basu, M.A. Calc. 11 Profs., 12 Lectrs.

GAUHATI, *B. Barooah College*, Assam. I.A., B.A. Principal—H. Barua, M.A. Calc. 6 Lectrs.

GAUHATI, *Cotton College* (Govt.), Assam. (*Telephone*: Gauhati 38.) I.A., I.Sc., B.A., B.Sc. Principal—H. C. Bhuyan, M.Sc. Calc., Ph.D. Brist. 18 Profs., 39 Lectrs.

GAUHATI, *Handiqui Girls' College*, Assam. I.A., B.A. Principal—R. B. Das, M.A. Calc. 14 Profs.

IMPHAL (MANIPUR), *D.M. College*. I.A., B.A. Principal—N. B. Sing, M.A. Calc. 16 Profs.

JORHAT, *Assam Agricultural College* (Govt.), Assam. I.Sc. (Agri.), B.Sc. (Agri.). Principal—M. C. Das, M.Sc. Calc., Ph.D. Edin., F.L.S. 4 Profs., 14 Lectrs.

JORHAT, *J.B. College*, Assam. I.A., I.Sc., B.A., B.Sc., I.Com., B.Com. Principal—G. G. Datta, M.A., B.L. Calc. 27 Profs.

KARIMGANJ, *Karimganj College*, Assam. I.A., I.Sc., I.Com., B.A. Principal—P. C. Bhattacharyya, M.A. Calc. 18 Profs., 2 Lectrs.

NALBARI, *Nalbari College*, Assam. I.A., B.A. Principal—T. N. Goswami, M.A., B.L. Calc. 8 Lectrs.

NOWGONG, *Nowgong College*, Assam. I.A., I.Sc., I.Com., B.A., B.Com. Principal—J. Sarma, M.A. Calc. 23 Profs.

SHILLONG, *Lady Keane Girls' College*, Assam. I.A. Principal—U. Bhattacharyya, M.A., B.T. Calc. 5 Profs.

SHILLONG, *St. Anthony's College*, Assam. (*Telephone*: Shillong 95A.) I.A., I.Sc., I.Com., B.A., B.Sc., B.Com. Principal—Rev. E. X. Leonard. 23 Profs.

SHILLONG, *St. Edmund's College*, Assam. (*Telephone*: Shillong 307.) I.A., I.Sc., B.A., B.T. Principal—Rev. J. A. McPhilemy. 20 Profs.

SHILLONG, *St. Mary's College*, Assam. I.A., B.A., B.T. Principal—Rev. Mother M. D. E. Sales. 13 Profs.

SIBSAGAR, *Sibsagar College*, Assam. I.A., B.A. Principal—P. D. Chaliha, M.A., B.L. 12 Lectrs.

SILCHAR, *Gurucharan College*, Assam. (*Telephone*: Silchar 2.) I.A., B.A., I.Sc., I.Com., B.Com. Principal—J. K. Choudhury, B.A. Oxon. 20 Profs.

TEZPUR, *Darrang College*, Assam. I.A., I.Sc., B.A. Principal—A. C. Roy, M.A., B.T. Calc. 15 Profs.

GENERAL INFORMATION

The University came into existence on Jan. 1, 1948, and its constitution is governed by the Gauhati University Act, 1947 (Assam Act XVI of 1947). It is an affiliating, teaching and residential Univ. with jurisdiction over all the

schools and colleges in the State of Assam which were formerly affiliated to the Univ. of Calcutta. Under the Gauhati University Act, 1947, the Govt. of Assam contributes annually not less than five lakhs of rupees to meet the recurring charges of the Univ.

The Univ. will ultimately be located at Pandu, seven miles from Gauhati. The permanent bldgs. of the Univ. will be constructed under the supervision of the Univ. Development Cttee. and the construction of 2 bldgs. has already begun. Satisfactory interim arrangements for the residence of students and teachers have been made in the Univ. colony at Chandmari, Gauhati.

The Depts. of Postgraduate Teaching and the Teachers' Training Dept. are located in the Univ. Law College and its annexe. The Depts. of Undergraduate Teaching are located in the Don Bosco bldgs. The Bot., Statistics and Geog. Depts. are located in bldgs. placed at the disposal of the Univ. by the Govt. of Assam. The Geol. and Anthropol. labs. are located in a rented bldg. The evening Commerce classes are held in the Govt. Cotton College bldgs.

INCOME (1952-53). Rs. 18,35,100. Govt. grant, 27·2 per cent.; Fees, 32·6 per cent.; Endowments, 0·3 per cent.; misc., 39·3 per cent.

FACULTIES AND DEANS. *Agriculture*, Dr. M. C. Das; *Arts*, Prof. B. K. Barua; *Commerce*, Prof. D. C. Sabharwal; *Law*, ...; *Medicine*, Dr. R. Labhaya; *Science*, Prof. H. K. Baruah.

LIBRARIES. Univ. Library (18,041 vols.) at present housed in Law Coll. premises. Annual grant of Rs. 20,000 provided to build up a comprehensive collection.

MUSEUMS. Anthropol., Bot., Geol. and Educn.

ADMISSION. Candidates for admission must have passed the Matricn. Examn. of an Indian Univ. or an examn. recognized as equivalent.

DEGREES. B.A., M.A., B.Sc., M.Sc., B.Com., M.Com., B.T., LL.B., M.B., B.S., B.Sc. (Agri.)

HIGHER DEGREE. D.Phil.

DIPLOMA AND CERTIFICATE. Dipl. in Secretarial practice; Teachers' Training Certif. Course in Geog.

FEES. Postgrad. Tuition fees, Rs. 12 p.m.; B.T., Rs. 15 p.m., and Law, Rs. 9 p.m.; Undergrad., Rs. 8 p.m.; Inter. classes, Rs. 7 p.m.; Dipl. Courses, Rs. 6 p.m.; Geog. Trng., Rs. 10 p.m.

STUDENTS' ADVISORY BOARD. The Bd. assists students who wish to pursue higher studies in India and abroad; it also maintains a register of former students and supplies information about careers and appts.

STUDENT RESIDENCES. (For Wardens *see* "Administrative and other Staff," p. 1317.) Postgraduate Hall, Bharalumukh; Postgraduate Hall, Riverside; Postgraduate Science Hall; Postgraduate Hall, Chanmari; Law Hall; Undergraduate Hall, Chanmari; B.T. Hall; Postgraduate Muslim Hall; Postgraduate Hillside Hall. The address of all halls is P.O. Gauhati. Fees: seat rent, Rs. 51 p.a. in any hall.

STAFF RESIDENCES. 20 residences at foot of Navagraha Hills.

STUDENTS' UNIONS. Postgraduate Students' Union and Undergraduate Students' Union, in addition to Unions at the affiliated Colls. B.T. trainees have an Association of their own.

PUBLICATIONS. Univ. *Calendar*, every 3 yrs. (Rs. 10s.); a *Journal* annual (Vol. III, Rs. 6, Vol. IV, Rs. 12) and certain selections for use as text-

books in English, Assamese and Sanskrit for the Matricn. and Intermediate Examn. have been published.

THE YEAR 1952–53

PRINCIPAL BENEFACTION. Memorial Committee, Rs. 26,000, for Lectureship in memory of Dr. B. K. Kakati.

DEATH. Dr. B. K. Kakati, Prof. of Assamese and former Dean of Fac. of Arts.

VISIT BY MEMBER OF STAFF FROM OTHER UNIVERSITY. Prof. E. S. K. Chatterji, Calc., to deliver first course of Kakati memorial lectures.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	8053	1146
Women	1127	..
Total	9180	1146

Postgraduate students, 328.
New admissions, 5101.

DEGREES AWARDED. B.A., 340; B.Com., 69; LL.B., 8; B.Sc., 109; B.Sc. (Agri.), 4; B.T., 43; M.A., 51; M.B., B.S., 19; M.Com., 14; M.Sc., 11.

GUJARAT UNIVERSITY

Founded and incorporated 1950

Postal Address: Navrangpura, Ahmedabad 9, Bombay State, India.
Telegrams: Unigujarat.
Telephone: 7198.

CHANCELLOR—H.E. Sir GIRJA SHANKAR BAJPAI, K.C.S.I., K.B.E., C.I.E., Governor of Bombay.

VICE-CHANCELLOR—Sir HARSIDHBHAI V. DIVATIA, M.A., LL.B.

REGISTRAR—BHADRIKLAL A. PATEL, B.Sc., B.E.

ASSISTANT REGISTRAR—JAYANTILAL M. MEHTA, B.Sc., B.T.

ACCOUNTANT—BHUPENDRA M. PATEL, B.Com.

LIBRARIAN—KIKUBHAI R. DESAI.

ADMINISTRATIVE AND OTHER STAFF

Chief Med. Officer: K. A. Shah, M.B., B.S. Bom. Dir. of Phys. Educn.: V. P. Mehta, B.Sc., Dip.P.Ed.

CONSTITUENT INSTITUTIONS

UNIVERSITY SCHOOL OF GUJARATI LANGUAGE AND LITERATURE, founded 1954. Prepares postgraduate students for M.A. and Ph.D. Dir.—U. J. Joshi, M.A.

UNIVERSITY SCHOOL OF SOCIAL SCIENCES, founded 1954. Prepares postgraduate students for M.A. and Ph.D. Dir. and Prof. of *Econ.*—B. R. Shenoy, M.A., M.Sc. (Econ.) Lond.; 3 Readers.

AFFILIATED COLLEGES AND RECOGNIZED INSTITUTIONS

AHMEDABAD, *Acharatlal Girdharlal Teachers' College*, Navrangpura, Ahmedabad, 9. (*Telephone*: 3602.) Founded 1952. For T.D., B.Ed., M.Ed. and Ph.D. Principal, L. R. Desai, B.A., B.T., T.D. Lond. 1 Asst. Prof., 5 Lectrs., 3 Tutors, 1 Pt.-time Arts Master and 1 Phys. Instr.

AHMEDABAD, *Behramji Jijibhai Medical College*, Asarva, Ahmedabad, 11. (*Telephone*: 8076.) Founded 1946. For M.B., B.S., M.D. and M.S., B.Sc. (Med.), M.Sc. (Med.). Principal and Prof. of *Anat.*, G. V. Barve, M.B., B.S., M.S. Bom.; *Physiol.*, E. M. Best, M.B., B.S., M.D. Bom.; *Pharmacol.*, A. D. Joseph, M.B., B.S. Bom., M.D. Guj.; *Pathol.*, Y. M. Bhende, M.D. Bom.; Lectr. in *Pathol. and Bacteriol.*, Dr. B. B. Mathur; Jr. Lectr. in *Pathol.*, A. F. Pereira, M.B., B.S. Bom.; *Embryol.*, D. S. Deshpande, M.Sc.; *Biochem.*, R. M. Vaidya, M.Sc., Ph.D. 6 Lectrs., 13 Jr. Lectrs., 12 Demrs. and 42 other Hon. Assts.

AHMEDABAD, *Bholabhai Jeshingbhai Institute of Learning and Research*, Bhadra. (*Telephone*: 2202.) Founded 1939. Postgraduate and Research

(M.A. and Ph.D.). Dir. and Prof. of *Sanskrit*, R. C. Parikh, B.A. Bom.; *Gujarati*, R. V. Pathak, B.A., LL.B.; *Darshana-Shashtra*, Pdt. S. Sanghvi; *Gujarati Apabransa*, M. C. Modi, M.A., LL.B.; *Arabic*, S. A. Z. Nadvi (Nadwa Arabic College); *Anc. Indian Culture*, H. G. Shastri, M.A., Ph.D.; *Gujarati & Anc. Indian Culture*, Y. P. Shukla, M.A. 16 other Profs. and Lectrs.

AHMEDABAD, *Gujarat College*, Ellisbridge, Ahmedabad, 6. (*Telephone*: 7057.) Founded 1879. For B.A., M.A., B.Sc., M.Sc. and Ph.D. Principal and Prof. of *Chem.*, M. S. Shah, M.Sc., Ph.D. Lond.; *Phys.*, Y. G. Naik, M.Sc., Ph.D.; *Gujarati*, A. M. Raval, M.A.; *Hist. & Econ.*, N. B. Naik, M.A.; *Engl. & Logic*, V. V. Akolkar, M.A.; *Persian*, D. A. Bargir, M.A.; *Chem.*, N. M. Shah, M.Sc., Ph.D.; *Maths.*, B. R. Tongaonkar, M.Sc.; *Sanskrit*, G. K. Bhat, M.A., Ph.D.; *Biol.*, G. T. Pandya, M.Sc.; *Bot.*, J. D. Oza, M.Sc.; *Philos.*, P. N. Rao, M.A., D.Litt.; *Engl.*, C. N. Patel, M.A.; *Urdu*, H. M. Shaikh, M.A.; *Persian*, A. H. N. Qureshi, M.A.; *French*, V. B. Tangaonkar, M.A.; *Hindi*, Kumari S. Gaonkar, M.A. 33 other Lectrs. and Asst. Lectrs.

AHMEDABAD, *Hargovandas Lakhmichand College of Commerce*, Navrangpura, Ahmedabad, 9. (*Telephone*: 7142.) Founded 1936. For B.Com., M.Com. and Ph.D. Principal and Prof. of *Foreign Exchange and Internat. Banking, Public Econ., Econ. & Comm.*, S. V. Desai, M.S. Col.; Vice-Principal and Prof. of *Engl. & Sc. Method*, V. N. Joshi, M.A.; *Acctng., Auditing & Accts.*, C. R. Lakhia, B.Com.; *Co-operation Finance, Secret. Practice, Banking Law, Civics & Bus. Organ.*, M. Satyanarayan, M.A., B.L.; *Organization of Trade, M.E.D. & Forms of E.O.*, S. P. Vaswani, M.A., LL.B.; *Org. of Trans., Tran. and B.O.*, P. V. Lokras, B.Com., M.A.; *Engl.*, A. D. Zhala, M.A., LL.B.; *Stats., Insu. & Accts., Organization of Industries*, R. S. Sharma, M.Com.; *Guj.*, P. P. Chandarvakar, M.A.; *Banking Law, Econ., M.E.D. and Civics*, S. R. Mehta, M.A.; *Law*, R. H. Daru, B.A., LL.B.; *Accts.*, M. C. Mashruwala, B.Com. 12 other Lectrs. and Tutors.

AHMEDABAD, *Lalbhai Dalpatbhai Arts College & Mafatlal Gagalbhai Science Institute*, Navrangpura, Ahmedabad, 9. (*Telephone*: 7152.) Founded 1937. For B.A., M.A., B.Sc., M.Sc. and Ph.D. Principal and Prof. of *Chem.*, R. D. Desai, B.A., M.Sc. Bom., D.Sc. Lond., F.R.I.C., F.N.I.; *Engl.*, F. C. Davar, M.A., LL.B.; *Sanskrit*, R. B. Athavle, M.A.; *Ardha-Magadhi*, V. M. Shah, M.A.; *Gujarati*, R. M. Shukla, M.A.; *Hist.*, D. N. Pathak, M.A. Chic.; *Econ.*, J. L. Dholakia, M.A.; *Maths.*, K. R. Dave, M.Sc.; *Philos.*, M. A. Buch, M.A., Ph.D. Lond.; *Hindi*, R. V. Upadhyaya, M.A.; *Biol.*, C. M. Patel, M.Sc., M. S. Dubale, M.Sc.; *Geol. & Geog.*, S. Mukherjee, M.Sc. 17 other Profs., 20 Lectrs. and 3 Tutors.

AHMEDABAD, *Lalbhai Dalpatbhai College of Engineering*, Navrangpura, Ahmedabad, 9. (*Telephone*: 3486.) Founded 1948. For B.E. and M.E. Principal and Prof. of *Theory of Structure*, A. de Souza, B.A., B.E.; *Materials & Structure, Structural Drawing*, S. K. Katrak, B.E.; *Engin. Material, Town Planning, Project Drawing, Quant. Surv., Construcn. and Railway*, S. B. Kumta, B.E.; *Maths.*, T. D. Patel, M.Sc.; *Electr. Engin.*, M. V. Deshpande, B.E. (Mech.), B.E. (Elect.), M.S. Ill.; *Telecommunication*, V. S. Telang, M.Sc. Bom., Dip.Tech. Bom.; *Civil Engin.*, G. J. Kulkarni, B.E. (Civil); *Metall.*, C. P. Kamat, B.Sc. (Mat.); *Mech. Technol.*, V. D. Joglekar, B.E. (Mech.) (Elect.). 21 other Profs. and Lectrs.

AHMEDABAD, *Lalbhai Motilal College of Pharmacy*, Navrangpura, Ahmedabad, 9. (*Telephone*: 7216.) Founded 1947. For B.Pharm. and M.Pharm. Principal and Prof. of *Pharmaceutics and Forensic Pharmacy*, R. P. Patel, M.Sc. Bom., Ph.D. Lond.; *Pharmaceutical Chem.*, C. R. Mehta, M.Sc., Ph.D.

Bom. ; *Pharmacognosy, Biochem., German,* C. S. Shah, B.Sc., Dr.Sc. Frankfurt ; *Physiol., Pharmacol.,* H. R. Derasari, B.Sc., M.B., B.S. 3 other Lectrs.

AHMEDABAD, *Physical Research Laboratory,* Navrangpura, Ahmedabad, 9. (*Telephone* : 7076.) Founded 1948. For M.Sc. and Ph.D. in Physics. Dir. and Prof. of *Atmospheric Phys.,* K. R. Ramanathan, M.A., D.Sc., F.N.I. ; *Cosmic Rays Phys.,* V. A. Sarabhai, M.A., Ph.D. Camb. ; *Theoret. Phys.,* Vachaspati, M.Sc., Ph.D. ; *Electronics,* U. D. Desai, M.Sc., Ph.D.

AHMEDABAD, *Sir Lallubhai A. Shah Law College,* Ellisbridge, Ahmedabad, 6. (*Telephone* : 7028.) Founded 1927. For LL.B., LL.M. Principal and Prof. of *Insolvency, Company Law, Torts, etc.,* M. M. Thakore, B.A., LL.B. ; Vice-Principal and Prof. of *Contract, Transfer of Property and Hindu Law,* M. S. Pandit, B.A., LL.B. ; *Elements of Const., Equity and Specific Relief,* N. G. Kharod, B.A., LL.B. ; *Indian Penal Code,* V. K. Desai ; *Contracts,* I. M. Nanavati, B.Com., LL.B. ; *Civil Procedure Code,* B. K. Gandhi ; *Moh. Law, etc.,* S. S. Belsare, B.A., LL.B. ; *Evidence and Indian Penal Code,* D. C. Trivedi, M.A., LL.B. ; *Engl.,* S. R. Bhatt, M.A., LL.B., and 6 other Lectrs.

AHMEDABAD, *Vadilal Sarabhai General Hospital and Sheth Chinai Maternity Home,* Ellisbridge, Ahmedabad, 6. (*Telephone* : 7019.) Founded 1931. For M.D. and M.S. Pt. II. Supt. and Prof. of *Surg.,* M. D. Desai, M.B., B.S., M.S. Madr., M.Ch.Orth., F.R.C.S. ; *Surg.,* M. D. Patel, M.B., B.S., D.L.O. Lond., F.R.C.S. ; *Med.,* G. B. Mohile, M.B., B.S., D.I.M. Liv. ; *Obstet. and Gynæcol.,* Miss S. C. Pandya, M.B., B.S. Bom., M.D. ; *Medicine,* R. A. Desai, M.B., B.S. 12 other Profs. and Lectrs.

ALIABADA, *Darbar Gopaldes Mahavidyalya,* Halar, Saurashtra State. Founded 1953. For B.A. Principal and Prof. of *Sanskrit* and *Gujarati,* D. R. Mankad, M.A. 1 Hon. Prof., 3 other Lectrs.

ANAND, *Bansilal Amritlal College of Agriculture,* Vallabh Vidyanagar, Via Anand. Founded 1947. For B.Sc. (Agri.), M.Sc. (Agri.), Ph.D. Principal and Prof. of *Animal Husb. and Dairying,* Maganbhai D. Patel, M.Sc. Corn., Ph.D. Wis. ; *Agric., Chem. and Soils,* C. C. Shah, M.Sc., Ph.D. Lond. ; *Agric. Bot., Genetics and Plant Breeding,* P. L. Patel, M.S. Iowa ; *Pathol. and Bacteriol.,* N. Prasad, M.Sc., Ph.D. ; *Agric. Engin., Phys., Maths. and Stats.,* A. C. Pandya, B.E. (Mech. and Elect.) Bom., M.Sc. Agri. Eng. Iowa ; *Hortic.,* K. N. Goswami, B.Ag. ; *Vet. Studies,* N. C. Buch ; *Bot.,* H. A. Joshi, B.Sc. ; *Inorg., Org. and Phys. Chem.,* B. V. Mehta, M.Sc., Ph.D. 26 other Profs. and Lectrs.

ANAND, *Bhikhabhai Jivabhai Vanijya Mahavidyalaya,* Vallabh Vidyanagar, Via Anand. Founded 1951. For B.Com. Principal and Prof. of *Econ.,* R. K. Amin, M.A., M.Sc. (Econ.) Lond. ; *Secretarial Practice, Salesmanship and Publicity, etc.* ; M. M. Shah, M.Com. ; *Engl.,* V. D. Vyas, M.A., B.T. 1 Asst. Prof. and 6 other Lectrs.

ANAND, *Birla Vishvakarma Mahavidyalaya,* Vallabh Vidyanagar, Via Anand. Founded 1948. For B.E. Principal and Prof. of *Theory of Structures,* S. B. Jummarkar, B.A. Bom., B.Sc. Lond. Vice-Principal and Prof. of *Surveying, Hydraulics and Hydraulic Machinery,* R. D. Gulatee, B.Sc. Manc. ; *Electr. Engin.,* K. V. Kardile, B.Sc. Bom., B.Sc. (Engg.) Ban. ; *Surveying,* R. M. Khetani, B.E. (Civil) ; *Reinforced Cement Concrete Theory of Structures, Building Materials,* R. H. Chokhavatia, B.E.(Civil). 40 other Lectrs., Tutors and Demrs.

ANAND, *Vithalbhai Patel Mahavidyalaya,* Vallabh Vidyanagar, Via Anand. Founded 1947. For M.A., M.Sc., Ph.D. Principal and Prof. of *Maths.,* N. M.

Shah, B.A. Bom., M.A. Camb.; *Phys.*, G. G. Paldhikar, M.Sc. Alld.; *Chem.*, M. D. Avasare, B.A., M.Sc., Ph.D.; *Bot.*, J. G. Chohan, M.Sc.; *Engl.*, A. S. Prabhudesai, M.A.; *Gujarati*, C. S. Patel, M.A., LL.B.; *Sanskrit*, B. M. Kapadia, M.A.; *Hist.*, K. H. Kamdar, M.A.; *Econ.*, A. R. Desai, M.A.; *Philos.*, T. G. Deokule, M.A. 22 other Profs. and Lectrs.

BHAVNAGAR, *Mangaldas Jeshingbhai College of Commerce*, Saurashtra State. Founded 1949. For B.Com., M.Com. Principal, ...; *Eng.*, P. P. Mehta, M.A.; *Banking & Scientific Methods*, N. Dhulappa, M.Com.; *Accounting & Auditing*, J. G. Mankad, B.Com. 8 other Profs. and Lectrs.

BHAVNAGAR, *Samaldas College and Sir P. P. Institute of Science*, Saurashtra State. Founded 1885. For M.A., B.Sc., M.Sc., Ph.D. Principal and Prof. of *Maths. and Phys.*, J. B. Sandil, M.Sc.; *Maths.*, S. S. Dave, M.Sc.; *Hist. & Econ.*, C. N. Wadia, B.A., Ph.D.; *Logic and Moral Philos.*, J. B. Dave, M.A.; *Engl.*, V. J. Trivedi, M.A.; *Gujarati*, I. R. Dave, M.A.; *Chem.*, M. M. Parekh, M.Sc., Ph.D. Lond.; *Biol.*, V. P. Varde, B.Sc. Bom., D.Sc. France, F.R.E.S.; *Phys.*, K. L. Narsinham, B.A. And., M.Sc. Ban. 31 other Profs., Lectrs. and Demrs.

BHUJ, *R. R. Lalan Intermediate College*, Kutch, Bhuj. Founded 1953. For I.A. Principal and Prof. of *Phys.*, K. V. Desai, M.Sc. (Dist.). 14 other Lectrs. and Demrs.

JUNAGADH, *Bahauddin College*, Saurashtra State. Founded 1901. For M.A. and M.Sc. Principal and Prof. of *Philos.*, V. S. Gogate, M.A. *Engl.*, M. A. Majmudar, M.A.; *Maths.*, A. R. Rao, M.Sc.; *Biol.*, G. A. Kapadia, M.Sc.; *Phys.*, S. S. Joshi, B.Sc., Ph.D.; *Chem.*, S. A. Vaishnav, M.Sc.; *Hist. and Econ.*, I. J. Dhruva, M.A.; *Econ.*, P. N. Joshi, M.A. 10 other Profs. and Lectrs.

MORVI, *Morvi Technical Institute* (*Engineering College*), Saurashtra State. Founded 1951. For S.E. (Civil, Elect. & Mech.). Principal, S. S. Bhatia. *Radio Engin. and Phys.*, R. Sitaram, M.Sc.; *Machine Drawing and Design*, P. B. Sapre, D.M.E.; *Heat Engines*, P. S. Lele, B.E. (Mech. & Elect.); *Civil Engin.*, M. D. Soni, D.C.E.; *Appl. Maths.*, L. T. Patil, M.A. 17 other Lectrs. and Demrs.

NADIAD, *Jethabhai Jhaverbhai College of Science & C. B. Patel Arts Institute*. Founded 1947. For B.A., B.Sc., M.A., M.Sc. Principal and Prof. of *Chem.*, K. G. Naik, M.A. Bom., D.Sc. Lond., F.R.I.C., F.N.I.; *Chem.*, K. N. Chokshi, M.Sc. Bom., B.T.; *Maths.*, Bassan Darshan Singh, M.A.; *Zool.*, N. L. Naik, M.Sc.; *Bot.*, P. S. Toor, M.Sc.; *Sanskrit*, B. K. Shah, M.A.; *Philos.*, H. R. Thakkar, M.A.; *Gujarati*, R. M. Patel, M.A., B.T. and R. N. Pandya, M.A.; *Engl.*, L. H. Tenghse, M.A.; *Hist. and Econ.*, M. G. Parekh, M.A., LL.B. 17 other Lectrs. and Demrs.

NAVSARI, *Sorabji Burjorji Garda College and B.P. Baria Science Institute*. Founded 1945. For M.A., M.Sc. and Ph.D. Principal and Prof. of *Philos.*, A. K. Trivedi, M.A., LL.B.; Vice-Principal and Prof. of *Engl.*, M. N. Majundar, B.A., Dip.Ed. Dub.; *Biol.*, B. P. Menon, M.A. Madr.; *Chem.*, R. D. Advani, M.Sc.; *Maths.*, S. R. Gothivrekar, M.A., M.Ed., LL.B.; *Gujarati*, J. S. Joshi, M.A.; *Phys.*, V. N. Upadhyaya, M.Sc.; *Hist. and Econ.*, G. N. Lawande, M.A.; *Persian*, M. F. Quraishi, M.A.; *Microbiol.*, W. V. Kotasthane, M.Sc. Tech. Manc., M.Sc. Bom.; *Sanskrit*, P. D. Chandratre, M.A.; *Hindi*, Mrs. S. J. Phadke, M.A. 19 other Profs. and Lectrs.

PETLAD, *Petlad College*. Founded 1946. For I.A. and B.Sc. Principal, S. V. Shah, M.Sc., Ph.D.; *Biol.*, M. Ezekiel, M.A., B.Sc.; *Chem.*, C. L.

Mankodi, B.A., M.Sc.; *Sanskrit*, M. T. Buch, M.A.; *Logic and English*, J. G. Jogleker, M.A.; *Maths.*, K. B. Tipnis, M.Sc. 10 other Lectrs.

RAJKOT, *Dharmendrasinhji College & Kotak Institute of Science*, Saurashtra State. Founded 1937. For M.A., M.Sc. Principal and Prof. of *Engl.*, G. R. Kotwal, M.A., B.Litt. Oxon.; *Econ., Indian Econ. Problems*, R. R. Mishra, M.A., LL.B.; *French*, M. G. Desai, M.A., LL.B.; *Phys.*, P. Y. Deshpande, M.Sc., Ph.D.; *Sanskrit*, D. P. Joshi, M.A., LL.B.; *Logic and Philos.*, U. D. Bhatt, M.A.; *Chem.*, V. A. Vyas, M.Sc.; *Maths.*, K. M. Shah, M.Sc., B.T.; *Biol.*, R. N. Dave, M.Sc.; *Persian*, Z. A. Desai, M.A. 38 other Profs., Lectrs. and Demrs.

SURAT, *Kikabhai Premchand College of Commerce*, Athva Lines. Founded 1946. For M.Com. Principal, D. R. Samant. *Accounts, Co-operation & Rural Devel.*, etc., R. N. Bhatt, M.Com.; *Business Organ. and Salesmanship*, M. N. Jakate, M.Com.; *Maths. and Stats.*, K. M. Talati, M.A.; *Engl.*, R. L. Keswani, M.A.; *Econ.*, R. K. Patil, M.A.; *Commerce, etc.*, A. N. Desai, M.A.; *Mercantile Law*, G. M. Vakil, B.A., LL.B.; *Auditing*, R. P. Shah, B.Com. 4 other Lectrs.

SURAT, *Maganlal Thakordas Balmukunddas College*, Athva Lines. Founded 1918. For M.A., M.Sc. & Ph.D. Principal and Prof. of *Engl.*, K. L. Desai, B.A. Camb., M.A., LL.B.; *Gujarati*, V. R. Trivedi, M.A.; *Persian*, M. J. Thakur, M.A.; *Chem.*, J. A. Kazi, B.A., B.Sc., LL.B.; *Phys.*, M. S. Desai, M.Sc. Alld.; *Sanskrit and Ardhamagadhi*, J. T. Parikh, M.A.; *Urdu and Arabic*, T. H. Shamshi; *Geog.*, P. N. Modak, M.Sc. Nag.; *Logic and Philos.*, K. T. Jahgirdar, M.A. Alld.; *Hist. & Econ.*, K. C. Chakravarti, M.A. Calc.; *Maths.*, S. Ramkrishnan, M.Sc.; *Biol.*, I. N. Solanky, M.Sc.; *Bot.*, J. J. Shah, M.Sc. 36 other Profs., Lectrs. and Demrs.

SURAT, *Sarvajanik Law College*, Athva Lines. Founded 1935. For LL.B. & LL.M. Principal and Prof. of *Crimes and Company Law*, T. K. Modi, Sardar Davar, B.A., LL.B.; *Engl., Hindu Law, Equity, etc.*, C. D. Vyas, M.A., LL.M.; *Evidence, Moh. Law, Torts, etc.*, D. D. Desai, B.A., LL.B. 4 other Pt.-time Profs.

VISNAGAR, *Meneklal Nanchand College*. Founded 1946. For M.A. and M.Sc. Principal and Prof. of *Hist. and Geog.*, C. D. Deshpande, M.A., Dip. Geog. Lond.; *Engl.*, R. M. Waghmare, M.A., B.T.; *Maths.*, M. N. Korgaokar, M.A.; *Sanskrit*, G. N. Dike, M.A.; *Hist. and Econ.*, S. A. Ranadey, M.A., B.T.; *Gujarati*, H. H. Buch, M.A.; *Logic and Philos.*, U. J. Trivedi, M.A., Dip. in Educ. Brist.; *Persian*, A. S. Kadri, M.A.; *Chem.*, M. L. Shah, B.A., M.Sc., Ph.D. Wash.; *Biol.*, B. S. Navalkar, M.Sc., Ph.D.; *Phys.*, V. T. Chiplonkar, M.Sc., Ph.D.; *Zool.*, B. Y. M. Goudar, M.Sc. 17 other Profs. and Lectrs.

GENERAL INFORMATION

Following upon the appearance of the Report of a Cttee., under the chairmanship of the Hon. G. V. Mavalankar, an Act was passed in 1949 by the Bombay Legislature for the establishment and incorporation of the Gujarat University as a Teaching and Affiliating Univ. in the Province of Bombay. There are no Univ. Depts. at present.

INCOME (1952–53). Total—Rs. 11,43,507: Govt. Grants, Rs. 3,15,000 (recurring), Rs. 1,72,000 (non-recurring), Rs. 10,000 (library and equipment); Endowments, Rs. 58,953; Fees, Rs. 6,09,191; Other Sources, Rs. 37,316.

FACULTIES AND DEANS. *Agriculture*, Dr. Maganbhai D. Patel; *Arts*, R. C. Parikh; *Commerce*, S. V. Desai; *Law*, T. K. Modi, Sardar Dawar; *Medicine*, Dr. Motibhai D. Patel; *Science*, Dr. M. S. Shah; *Technology*, A. de Souza.

LIBRARIES. Approx. 7254 vols.

DEGREES. B.A. General or Special (4 yrs.); M.A. (2 yrs. after B.A. Gen. or Spec.); B.Com. (4 yrs.); M.Com. (2 yrs. after B.Com.); B.Ed. (1 yr. postgrad.); M.Ed. (1 yr. after B.Ed.); B.Sc. (4 yrs.); M.Sc. (1 yr. after B.Sc.); B.Sc. (Agri.) (3 yrs. after first yr. Sci.); M.Sc. (Agri.) (2 yrs. after B.Sc. Agri.); B.E. (Civil, Mech. and Elect.) (3 yrs. after I.Sc.); M.E. (2 yrs. after B.E.); LL.B. (2 yrs. after B.A. or B.Com., 3 yrs. after I.A. or B.Sc.); LL.M. (2 yrs. after LL.B.); M.B., B.S. (5½ yrs. after I.Sc.); B.Pharm. (3½ yrs. after I.Sc.); M.Pharm. (2 yrs. after B.Pharm.); B.Sc. (Med.) (1 yr. after M.B., B.S.); M.Sc. (Med.), M.D., M.S. (each 2 yrs. after M.B., B.S.); Ph.D. (3 yrs. after Bachelor's degree or 2 yrs. after Master's degree); D.Sc. (2 yrs. after Ph.D. or 3 yrs. after Master's degree or 6 yrs. after Bachelor's degree); D.Litt. (2 yrs. after Ph.D. or 3 yrs. after Master's degree or 7 yrs. after Bachelor's degree).

EXTERNAL DEGREES. The Univ. holds external examns. in Arts up to B.A. General and B.A. Special standards.

DIPLOMA. T.D.

EXAMINATION FEES. B.A. General and Special (Internal or External), Rs. 50; M.A., Rs. 75; B.Com., Rs. 50; M.Com., Rs. 100; B.Ed., Pt. I, Rs. 30; B.Ed., Pt. II, Rs. 30; M.Ed., Rs. 75; B.Sc. (Principal), Rs. 50; B.Sc. (Subsidiary), Rs. 35; M.Sc., Rs. 100; B.Sc. (Agri.), Rs. 60; M.Sc. (Agri.), Rs. 100; B.E. (Civil, Mech. and Elect.), Rs. 100 each; M.E., Rs. 100; LL.B., Rs. 60; LL.M., Rs. 150; M.B., B.S., Rs. 75; B.Pharm., Rs. 75; M.D., Pt. I, Rs. 100; M.D., Pt. II, Rs. 200; M.S., Pt. I, Rs. 100; M.S., Pt. II, Rs. 200; B.Sc. (Medical), Rs. 100; M.Sc. (Medical), Rs. 200; Ph.D. (by Thesis), Rs. 100; Ph.D. (French & German Translation), Rs. 25; D.Sc., Rs. 200.

LANGUAGE OF INSTRUCTION. From June 1955, the medium of instrucn. will be Gujarati in the Faculties of Arts, Science and Commerce, and later in other Faculties.

STUDENT RESIDENCES. Each Affiliated Coll. provides hostel accomm. for its own students.

NATIONAL CADET CORPS. 4th Bombay Battalion; 7th Bombay Battalion; 1st Bombay B.M.E.; 1st Saurashtra B.M.

PUBLICATIONS. *Annual Report*; *Handbook, Part I*; *Handbook, Parts II and III*; *Univ. Bulletin*.

THE YEAR 1952–53

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES, C. N. Vakil, Bom.; K. M. Munshi; B. B. Yodh, Bom.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	14,037	..
Women	1,446	..
Total	15,483	..

Postgraduate students, 511.
New admissions, 2332.

DEGREES AWARDED. B.A., 376; M.A., 36; B.Com., 98; M.Com., 6; B.Sc., 296; M.Sc., 11; B.Sc. (Agri.), 32; M.Sc. (Agri.), 1; B.E. (Mech. and Elect.), 10; B.E. (Civil), 22; LL.B., 179: M.B., B.S., 19; B.Pharm., 41; M.D., 1.

[*Information compiled as at* 18/8/54.]

THE UNIVERSITY OF JAMMU AND KASHMIR*

Founded 1948

Postal Address: Srinagar, Kashmir, India.
Telegrams: University, Srinagar.
Telephone: Srinagar 230.

CHANCELLOR—YUVARAJ KARAN SINGH JI BAHADUR.

PRO-CHANCELLOR—THE HON BAKHSHI GHULAM MOHAMMAD

VICE-CHANCELLOR—The Hon. Chief Justice Mr. JANKI NATH WAZIR.

DEANS OF FACULTIES—*Arts*—S. L. PANDIT; *Science*—TIRATH RAM; *Oriental Learning*—MAULANA MOHD. SAEED MASUDI; *Education*—G. A. MUKHTAR.

REGISTRAR—M. GHULAM MOHAMMAD, M A.

AFFILIATED COLLEGES

[F.A., B.A., M.A., etc. = affiliated up to Intermediate Arts, B.A., M.A., etc., standard.]

ANANTNAG, *Govt. Intermediate College*, Kashmir. F.A. Principal—S. N. Thassu, M.A. Hds. of Dept.: *English*—S. N. Thussu, M.A.; *Sansk. and Hindi*, B. N. Pandit, M.A., M.O.L., B.T., Shastri; *Maths.*—P. N. Tikku, M.A., B.T.; *Arabic*—A. Shah, M.A., B.T.; *Hist.*—H. Singh, M.A.; *Econ.*—G. Ahmad, M.A., LL.B.; *Pers. and Urdu*—Shams-ud-Din, M.A., LL.B.

JAMMU, *Govt. Gandhi Memorial College.* (*Telephone*: 314.) B.A., B.Sc., B.A. (Hons.), M.A., M.Sc. Principal—P. Lal., M.A. Hds. of Dept.: *English*—R. L. Basur, M.A., LL.B.; *Maths.*—S. L. Parihar, M.A.; *Econ.*—P. N. Ganju, M.A.; *Phys.*—Ghanashyam, M.A., B.T.; *Chem.*—H. R. Nanda, M.Sc.; *Geol.*—R. Sawhney, M.Sc.; *Biol.*—D. N. Potedar, M.Sc.

JAMMU, *Govt. Maharani Mahilla College.* B.A. Principal—Miss S. W. Shaw, M.A., LL.B. Hd. of Dept.: *English*—Miss S. W. Shaw, M.A., LL.B.

JAMMU, *Shri Rughnath Sanskrit Mahavidyalaya.* Hons. in Sanskrit. Principal—Pdt. P. R. Shastri.

SOPORE, *Govt. Intermediate College*, Kashmir. (*Telephone*: 12.) Hds. of Dept.: *Hist.*—Saif-ud-Din, M.A., LL.B.; *English*—L. Beg, M.A.; *Hindi and Sansk.*—K. N. Dhar, M.A. (Sansk.), M.A. (Hindi); *Maths.*—K. Mohammad, M.A., B.T.; *Pers. and Urdu*—A. Hyderi, M.A. (Urdu); *Econ.*—M. A. Punnu, M.A.; *Arabic*—P. G. Ahmad, M.A.

SRINAGAR, *Amar Singh College*, Kashmir. (*Telephone*: 392.) B.A., B.A. (Hons.), B.Sc. Principal—M. Ahmad, M.A. Hds. of Dept.: *Hist.*—M.

* Member of the Association of Universities of the British Commonwealth.

Ahmad, M.A. ; *Pers. and Urdu*—N. L. Talib, M.A., M.O.L. ; *Chem.*—N. L. Darbari, M.Sc. ; *Phys.*—T. Ram, M.Sc. ; *Maths.*—S. N. Mirakhur, M.A. ; *English*—J. N. Kaul, M.A. ; *Geog.*—A. N. Raina, M.A. ; *Sansk. and Hindi*—P. N. Pushp, M.A. ; *Pol. Sci.*—O. N. Kaul, M.A., LL.B. ; *Econ.*—G. Ahmad, M.A.

SRINAGAR, *Gandhi Memorial College*, Kashmir. F.A., B.A., F.Sc. Principal—B. K. Madan, M.A. Hds. of Dept. : *English*—B. K. Madan, M.A. ; *Pers. and Urdu*—G. N. Matoo, M.A., M.O.L., LL.B. ; *Econ.*—S. N. Kaul, M.A. ; *Hist.*—L. N. Dhar, M.A., LL.B. ; *Maths.*—M. K. Ogra, M.A. ; *Chem.*—D. N. Kaw, M.Sc. ; *Phys.*—T. N. Kilam, M.Sc. ; *Geog.*—S. B. Kaul, M.A. ; *Pol. Sci.*—B. D. Kaul, M.A. ; *B. T. Dept.*—N. L. Kitroo, B.A., B.T.

SRINAGAR, *Govt. Women's College*, Kashmir. (*Telegram* : 398.) F.A., B.A., F.Sc. Principal—Miss Mahmuda Ahmad Ali, M.A. Hds. of Dept. : *Pol. Sci.*—Miss M. A. A. Shah, M.A., B.T., Dip.Ed. Leeds ; *English*—P. N. Qazi, M.A. ; *Hist.*—Miss K. Mohan, M.A. ; *Econ.*—Miss S. Raina, M.A. ; *Pers.*—Mufti Jalal-ud-Din, M.A. (Pers.), M.A. (Arabic), M.O.L. ; *Sansk.*—Miss S. Sharma, M.A. ; *Hindi*—V. Datt, M.A. ; *Urdu*—Miss B. Fatima, M.A. ; *Sci.*—T. N. Dhar, M.Sc. ; *Panjabi*—A. Singh, M.A.

SRINAGAR (HAZARATBAL), *Jamia Madinat-ul-Alum*, Kashmir. (*Telephone* : 299.) Hons. in Persian and Arabic. Principal—Maulvi A. Kabir. Hd. of Dept. : *Arabic*—M. A. Kabir.

SRINAGAR, *Mahila Mahavidyalaya*. Hons. in Hindi. Principal—Mrs. Kamla Parimoo.

SRINAGAR, *Oriental College*, Kashmir. Hons. in Persian and Arabic. Principal—S. M. Q. Bukhari. Hds. of Dept. : *Arabic*—M. Najam-ud-Din ; *Pers.*—M. Q. G. Hassan.

SRINAGAR, *Sri Pratap College*, Kashmir. (*Telephone* : 228.) F.A., B.A., B.A. (Hons.), M.A., F.Sc., B.Sc. Principal—Jia Lal, M.A., LL.B. Hds. of Dept. : *English*—S. L. Pandit, M.A. ; *Bot.*—S. L. Raina, M.Sc. ; *Phys.*—A. S. Dhar, M.Sc. ; *Chem.*—R. K. Zutshi, M.Sc. ; *Zool.*—B. L. Kaw, M.Sc., Ph.D., LL.B. ; *Pers. and Urdu*—M. T. Siddiqi, M.A., B.T. ; *Arabic*—G. M. Hajini, M.A., LL.B. ; *Hist.*—S. M. Iqbal, M.A., LL.B. ; *Philos.*—S. Assadullah, M.A., LL.B. ; *Econ.*—G. Quadir, M.A., LL.B. ; *Sansk.*—J. L. Kaula, M.A., LL.B. ; *Hindi*—L. N. Sapru, M.A., LL.B.

SRINAGAR, *Teachers' Training College*, Kashmir. (*Telephone* : 386.) B.T. Principal—G. A. Mukhtar, M.A. Hd. of Dept. : *Educn.*—G. A. Mukhtar, M.A., B.T. Alig., M.A. Panj. (I).

UNAFFILIATED INSTITUTION

SRINAGAR, *Govt. Pathshala*. Hons. in Sanskrit, Arabic and Persian. Head Pandit—S. N. Sharma, Shastri, Acharya, D.O.C. Ban. Hds. of Dept. : *Hindi and Sansk.*—S. N. Sharma, Shastri, Acharya, D.O.C. Ban. ; *Arabic and Pers.*—M. A. Ullah.

GENERAL INFORMATION

The University of Jammu and Kashmir was established in Nov. 1948.

FACULTIES. Arts, Education, Oriental Learning, Science. (For DEANS *see* p. 1328.)

OBSERVATORY. A High Elevation Observatory for res. into Cosmic Rays has been establd. at Gulmarg, Kashmir, in co-operation with Aligarh Muslim Univ.

DEGREES. B.A., B.Sc., M.A., M.Sc., B.T., Hons. in Oriental Classical (Sanskrit, Persian and Arabic) and Modern Indian Languages (Hindi, Urdu and Panjabi).

For the B.A., English and three of the following are required : (1) an Oriental Classical Lang. (Arabic, Persian, Sanskrit) ; (2) A. Course of Maths ; (3) B. Course of Maths. ; (4) History ; (5) Econ. ; (6) Philos. ; (7) Phys. ; (8) Chem. ; (9) Geol. ; (10) Geog. ; (11) Pol. Sci. ; (12) Indian Music (for women students only) ; (13) Engl. Lit. ; (14) Bot. ; (15) Zool. There is also an addnl. paper in a Modern Indian Lang. (Urdu, Hindi, Panjabi) which may be taken by any candidate.

For the B.Sc., English and one of the following groups are required : (1) Phys., Chem., Maths. A or B course ; (2) Phys., Geog., Maths. A or B course ; (3) Phys., Geol., Maths. A or B course ; (4) Chem., Bot., Zool. ; (5) Chem., Bot., Geol. ; (6) Chem., Zool., Geol. ; (7) Chem., Geol., Geog. ; (8) Chem. Geol., Maths. A or B course ; (9) Chem. Geog., Maths. A or B course.

For the M.A. and M.Sc., the following subjects are offered : English, Sansk., Arabic, Pers., Philos., Hist., Pol. Sci., Econ., Maths., Geol., Phys., Chem., Geog.

Syllabuses for all examns. have been published.

STUDENT NUMBERS (1954). 7000.

[*Information compiled as at* 19/7/54.]

KARNATAK UNIVERSITY

Founded 1949; incorporated 1950

Postal Address : Chhota-Mahabaleshwar, Dharwar, Bombay State, India.
Telegrams : Unikarnatak.
Telephone : Dharwar 94.

CHANCELLOR—H.E. Sir GIRJA SHANKAR BAJPAI, K.C.S.I., K.B.E., C.I.E., Governor of Bombay.

VICE-CHANCELLOR—D C. PAVATE, M.A. Camb.

REGISTRAR—M. S. BAGALI, B.A , LL B.

ASST. REGISTRAR—S. S. WODEYAR, M.A., LL.B.

LIBRARIAN—K. S. DESHPANDE, M.A , Dip.Lib.

UNIVERSITY DEPARTMENTS

Chemistry

Nargund, K. S., M.Sc., Ph.D.
Prof and Hd. of Dept.

Geology

Joshi, R. V., M.Sc , Ph.D.
Reader and Hd. of Dept

Kannada Lang. and Lit.

Srikantaiah, T. N., M.A.
Prof. and Hd. of Dept.

Hiremath, R. C , M.A. Reader.

Mathematics and Statistics

Prabhu, N. U., M.A.
Reader and Hd. of Dept.

Physics

Tawade, N. R., M.Sc., Ph.D.
Prof. and Hd. of Dept.

Mehta, G. K., Ph D. Reader.

ADMINISTRATIVE AND OTHER STAFF

Sec., Publication Bd. and Bd. of Extra-Mural Studies: C. S. Kanavi, M.A.

AFFILIATED COLLEGES

BAGALKOT, *Basaveshwar College* (1944). Principal—S. C. Nandimath, M.A., Ph.D., Lond., M.A., B.T. Hds. of Depts.: *Biol.*—M. S. Satyanarayan Rao, M.Sc.; *Chem.*—Prof. B. H. Yelburgi, M.Sc.; *Econ.*—S. N. C. Rao, M.A.; *Engl.*—Prof. L. G. Hiremath, M.A., B.T.; *Hist.*—K. V. Subbaraya, M.A.; *Kannada*—M. S. Sunkapur, M.A.; *Logic and Philos.*—R. M. Basannavar, M.A.; *Marathi and Ardhamagadhi*—S. S. Pharate, M.A.; *Maths.*—R. Gopalan, M.A.; *Physics*—A. R. Chandrashekhar Rao, M.Sc.; *Sansk.*—Prof. S. C. Nandimath, M.A., Ph.D. Lond.

BELGAUM, *K. L. Society's College of Commerce* (1954). Principal—V. S. R. Murty, LL.B., M.Com.

BELGAUM, *Lingaraj College* (1933). (*Telephone* : 27.) Principal—G. S. Paramasivayya, M.Sc. *Ardhamagadhi*—Hd. of Dept.: R. V. Dixit, M.A. *Biol.*

—Prof. and Hd. of Dept.: P. S. Chikkanniah, M.Sc.; *Chem.*—Prof. and Hd. of Dept.: V. V. Jatti, M.Sc.; Prof. S. S. Bommannavar, M.Sc. *Econ.*—Prof. and Hd. of Dept.: B. M. Ranialingayya, M.A., B.T.; Prof. M. Halayya, M.A. *Educn.*—Hd. of Dept.: M. S. Uppin, B.A., M.Ed. *Engl.*—Hd. of Dept.: B. Rudrappa, M.A., B.T.; *French*—Hd. of Dept.: S. R. Salkar, M.A.; *Hindi*—Hd. of Dept.: K. C. Sukumarnair, M.A.; *Hist.*—Hd. of Dept.: M. K. N. Sharma, M.A., B.Ed.; *Kannada*—Prof. and Hd. of Dept.: V. G. Kulkarni, M.A., LL.B.; *Marathi*—Prof. and Hd. of Dept.: K. B. Nikkumb, M.A.; *Maths.*—Prof. and Hd. of Dept.: R. V. Thakkar, M.Sc.; *Pers. and Urdu*—Hd. of Dept.: M. G. Soudagar, M.A.; *Philos.*—Hd. of Dept.: L. V. Rajgopal, M.A.; *Physics*—Prof. and Hd. of Dept.: Principal G. S. Paramasivayya, M.Sc.; *Sansk.*—Prof. and Hd. of Dept.: S. V. Dixit, M.A.

BELGAUM, *R.L. Law College* (1939). Principal—V. R. Bhat, M.A., LL.M. *Engl.*—Prof. and Hd. of Dept.: N. S. Rangnath Rao, M.A., LL.B.; *Hist. and Sociol.*—Prof. and Hd. of Dept.: A. P. Karmarkar, M.A., LL.B., Ph.D.; *Law*—Prof. and Hd. of Dept.: Principal V. R. Bhat, M.A., LL.M.; Professors: R. G. Deole, B.A., LL.B.; A. P. Karmarkar, M.A., LL.B., Ph.D.; B. R. Majli, B.A., LL.B.; V. A. Majumdar, B.A., LL.B.; S. R. Nyamati, M.A., LL.B.; G. D. Shirgurkar, B.A., LL.B.

BELGAUM, *R.P.D. College* (1948). (*Telephone*: 79.) Principal—P. N. Narasingarao, M.A. (Econ.), M.A. *Biol.*—Prof. and Hd. of Dept.: B. R. Pandit, M.Sc.; *Chem.*—Prof. and Hd. of Dept.: K. D. Phadnis, M.Sc.; *Engl.*—Prof. and Hd. of Dept.: N. S. Adhikari, B.A.; *French and Portuguese*—Hd. of Dept.. C. Karunakaran; *Hist. and Econ.*—Prof. and Hd. of Dept.: Principal P. N. Narasingarao, M.A. (Econ.), M.A.; *Kannada*—Hd. of Dept.: T. K. Bhagoji, M.A.; *Marathi*—Prof. and Hd. of Dept.: D. S. Pangu, M.A.; *Maths.*—Prof. and Hd. of Dept.: B. B. Bagi, M.A.; *Philos.*—Hd. of Dept.: B. R. Kulkarni, M.A.; *Phys. Trg.*—P. R. Soman; *Physics*—Prof. and Hd. of Dept.: T. K. Deolalkar, M.A., B.Sc.; *Sansk. and Ardhamagadhi*—Hd. of Dept.: D. R. Page, M.A.

BELGAUM, *S.T. College* (1939). (*Telephone*: 197.) Principal—S. A. Rauf, M.A., B.T. Prof. and Hd. of Dept. of Education: S. V. Kelkar, B.Sc., B.T., M.Ed., Ph.D.

BIJAPUR, *Vijay College* (1945). (*Telephone*: 68.) Principal—T. K. Patil, M.A. Lond. Hds. of Depts.: *Biol.*—Mrs. S. T. Reuben, M.Sc.; *Chem.*—Prof. P. S. Sastry, M.Sc.; *Engl.*—S. D. Vaidya, M.A.; *Hist. and Econ.*—Prof. C. S. Krishnamurti, M.A.; *Kannada*—Prof. H. T. Sasnur, M.A., B.T., Ph.D.; *Marathi*—G. M. Kulkarni, M.A.; *Maths.*—Prof. T. K. Patil, M.A. Lond.; *Pers. and Urdu*—M. A. Bhandari, M.A.; *Philos.*—Prof. T. Reuben, M.A.; *Physics*—P. C. Rao, M.Sc.; *Prakrit*—S. R. Bhide, M.A.; *Sansk.*—V. B. Inamdar, M.A.

DHARWAR, *College of Agriculture* (1947). (*Telephone*: 73.) Principal—Prof. S W. Mensinkai, M.Sc., Ph.D. Lond., Dip.Agri. R'dg., D,I.C. Professors: *Agric. Bot.*—S. W. Mensinkai, M.Sc., Ph.D. Lond., Dip.Agri. R'dg., D.I.C.; S. N. Murti, M.Sc.; *Agric. Chem.*—S. W. Mensinkai, M.Sc., Ph.D. Lond., Dip. Agri. R'dg., D.I.C.; *Agric.*—N. P. Patil, B.Sc. (Agri.), Ph.D., F.R.E.S. (Agri. Econ.); *Agric. Engin., Maths. and Phys.*—R. F. Patil, B.E. (Civil); *Agric. Entomol.*—H. L. Kulkarni, M.Sc. (Agri.); *Agron.*—B. A. Chaugule, M.Sc., Ph.D. Calif.; *Animal Husb. and Dairying*—S. K. Goni, B.Sc., M.S., Ph.D. Minn.; *Hortic.*—S. D. Kololgi, M.S. Calif., M.Sc. (Agri.); *Plant Pathol. and Bacteriol.*—R. S. Deshpande, B.Sc., Ph.D. Lond.; *Vet. Sci.*—K. L. Shiggaon.

DHARWAR, *Janata Shikshana Samitis Science and Banashankari Arts College* (1944). (*Telephone*: 68.) Offg. Principal—R. Y. Dharwadkar, M.A. Hds. of Depts.: *Biol.*—S. V. Rajan, M.Sc.; *Chem.*—J. A. Ashtaputre, M.Sc.; *Econ.*—Prof. K. A. Ayyangar, M.A.; *Engl.*—Prof. G. A. Kulkarni, M.A.; *Kannada*—Prof. R. Y. Dharwadkar, M.A.; *Logic and Philos.*—Prof. N. R. Kulkarni, M.A., LL.B.; *Maths.*—P. R. Praneshrao, M.Sc.; *Physics*—Prof. N. V. Gejji, M.Sc.; *Sansk. and Prakrit*—Prof. H. R. Naware, M.A.

DHARWAR, *Karnatak College* (1917). (*Telephone*: 18.) Principal—V. K. Gokak, M.A. Oxon. Hds. of Depts.; *Bot.*—H. D. Noronha, M.Sc., M.A., Ph.D.; *Chem.*—R. M. Joshi, M.Sc.; *Engl.*—W. W. S. Bhaskar, M.A.; *French*—K. J. Mahale, M.A.; *Hist. and Econ.*—B. R. Dhekney, M.A., Ph.D.; *Kannada*—Prof. S. S. Malwad, M.A.; *Marathi*—M. V. Dhond, M.A., LL.B.; *Maths. and Stats.*—R. R. Umarji, M.Sc., A.M. Col.; *Philos.*—T. G. Kalghatgi, M.A.; *Phys.*—Prof. D. J. Davar, M.Sc., Ph.D.; *Sansk. and Ardhamagadhi*—A. M. Ghatge, M.A., Ph.D.; *Urdu and Persian*—M. A. H. Farooqui, M.A., Ph.D.; *Zool.*—Prof. K. R. Karandikar, M.Sc., Ph.D.

HUBLI, *B.V.B. College of Engineering and Technology* (1948). (*Telephone*: Hubli 76.) Principal—A. S. Menon, B.Sc. (Engg.). *Civil Engin.*—Prof. and Hd. of Dept.: V. V. Natu, B.E. (Civil); Profs.: A. S. Menon, B.Sc. (Engg.); P. R. Gupte, B.Sc., B.E. (Civil); Prof. H. S. Deshpande, B.E. (Civil); *Electr. Engin.*—Prof. and Hd. of Dept.: B. H. Karakraddi, B.Sc.; *Geol. and Chem.*—Hd. of Dept.: P. N. Seetaraman, M.Sc.; *Maths.*—Prof. and Hd. of Dept.: Y. Balakrishman, M.A.; *Mech. Engin.*—Hd. of Dept.: B. R. Sali, B.E.

HUBLI, *J.G. College of Commerce* (1947). (*Telephone*: Hubli 114.) Principal—C. C. Pattanshetti, M.A., Ph.D. Hds. of Depts.: *Accountancy*—Prof. D. G. Jawalkar, M.A. Lond.; *Banking and Econ.*—C. C. Pattanshetti, M.A. Ph.D.; *Engl.*—Prof. A. V. Shastri, M.A.; *Statistics*—S. R. Iyengar, M.Sc.

HUBLI, *Kadasiddeshwar College* (1952). (*Telephone*. Hubli 114.) Principal—D. S. Karki, M.A., Ph.D. *Ardhamagadhi and Marathi*—Hd. of Dept.: B. R. Modak, M.A.; *Engl.*—Hd. of Dept.: G. V. Nadagauda, M.A.; *Hist. and Econ.*—Prof. and Hd. of Dept.: S. S. Mutalikdesai, M.A.; *Kannada*—Hd. of Dept.: D. S. Karki, M.A., B.T., Ph.D.; *Logic*—Hd. of Dept.: L. C. Mullatti, B.A.; *Sansk.*—Hd. of Dept.: S. B. Topkhane, M.A.

KUMTA, *Kanara College* (1949). Principal—L. S. Kamat, M.A. Hds. of Depts.: *Biol.*—Prof. S. H. Lele, M.A., M.Sc., Ph.D. Liv.; *Chem.*—Prof. V. N. Shetgeri, M.Sc.; *Econ.*—N. R. Rao, M.A.; *Engl.*—B. S. Shanbhag, M.A.; *Hist.*—L. T. Sharma, M.A.; *Kannada*—K. G. Shastri, M.A.; *Logic and Philos.*—S. H. Kelshikar, M.A.; *Maths.*—Principal L. S. Kamat, M.A., Prof.; *Physics*—P. D. Acharya, M.A., M.Sc.; *Sansk.*—Prof. K. Krishnamurthy, M.A., B.T., Ph.D.

UDIPI, *Kasturba Medical College* (1953). Principal—J. D. Dundas, M.D. Hds. of Depts.: *Anatomy*—Prof. R. B. Mangeshrao, F.R.C.S.; *Physiol.*—J. D. Dundas, M.D.

RECOGNIZED INSTITUTION

DHARWAR, *Kannada Research Institute* (1939). Director—S. S. Malwad, M.A. *Dravidian Philol.*—Reader: G. S. Gai, Ph.D.; *Kannada*—Reader and Hd. of Dept.: B. S. Kulkarni, M.A.; *Sociol.*—Reader: V. S. D'Souza, M.A.

GENERAL INFORMATION

Karnatak University is one of the regional Universities in Bombay State which came into existence with the splitting up of Bombay University. In response to an insistent demand from the Kannadigas for a separate University for Karnatak, the Govt. of Bombay appointed the Karnatak University Committee in April 1947, under the chairmanship of Mr. Justice N. S. Lokur. The Karnatak University Bill, based on this Committee's Report, was passed by the Bombay Legislature in April 1949. In June 1949, Shri R. A. Jahagirdar, M.A., LL.B., was appointed by the Govt. of Bombay as first Vice-Chancellor of the University, and on March 1, 1950, Karnatak University was brought into existence as a corporate body. At present, its jurisdiction extends over the Districts of Dharwar, Belgaum, Bijapur and North Kanara which covers a total area of 21,401 sq. miles; the total population of these Districts is 5,216,259. The Univ. is situated on a 283-acre site, given by the Govt. of Bombay.

The Univ. is both an affiliating and teaching Univ. It aims to develop into a residential Univ. with emphasis on postgrad. instruction, affiliation being one of its subsidiary functions. The Univ. started two postgrad. depts.: the dept. of Kannada Lang. and Lit. and the dept. of Maths. and Statistics, in June 1952. Extension lectures were also begun in 1952.

CONSTITUTION. The Senate is the supreme governing body of the Univ. The executive powers are vested in the Syndicate. The other authorities of the Univ. are the Academic Council, the Facs., the Bds. of Univ. Teaching and the Bds. of Studies in the various Facs.

LOCATION. Admin. Office at Chhota-mahabaleshwar. Dept of Statistics is housed in the Admin. bldg. Depts. of Chem., Phys., Geol. and Kannada Lang. and Lit. are housed in the Govt. Training Coll. for Men, Dharwar.

INCOME (1953-54). Total income—Rs. 8,37,974. (Govt. grants, 61·84 per cent.; fees, 37·48 per cent.; other sources, 0·68 per cent.)

FACULTIES AND DEANS. *Agric.*, V. C. Pavate, B.Ag.; *Arts*, V. K. Gokak, M.A. Oxon.; *Engin.*, A. S. Menon, B.Sc. (Engg.); *Law*, V. A. Mujumdar, B.A., LL.B.; *Science*, G. S. Paramasivayya, M.Sc.; *Soc. Sciences*, P. N. Narasingarao, M.A.

LIBRARY. Univ. Library, about 20,000 vols.; Libraries of all affiliated colls., 111,296 vols.

ADMISSION. The minimum qualification for admission to courses in the Facs. of Arts and Sci. is the S.S.C. Examn. of the S.S.C. Examn. Bd., Bombay State (if passed in prescribed subjects with 35 per cent. marks in each subject), or any other examn. recognized as equivalent by the Univ.

DEGREES AND DEGREE COURSES. B.A. (General and Special), B.Sc., B.Ed., B.Com., B.Sc. (Agri.), LL.B. and B.E. (Civil). Courses of study for a Bachelor's degree, 2 yrs. after Inter. Examn. LL.B., 3 yrs.' course after Inter. Examn. and 2 yrs.' course after graduation in Arts or Comm. Course for B.Sc. (Agri.), 4 yrs. after S.S.C. Examn. Students passing B.A. and B.Sc. examns. in the first and second classes are declared to have passed the examns. with Honours.

ATTENDANCE AT COURSES. The Univ. does not permit any students to pursue a prescribed course privately and take any examn. without attending a college.

HIGHER DEGREES. M.A., M.Sc., M.Ed., M.Sc. (Agri.), LL.M., Ph.D., D.Litt. and D.Sc.

DIPLOMA. Dipl. in Teaching (T.D.).

ACADEMIC YEAR. Two terms: from June 15 to Oct. 5, and from Nov. 4 to March 15.

The LANGUAGE OF INSTRUCTION at present is English.

PRINCIPAL POSTGRADUATE AWARDS. 18 studentships, each of Rs. 50 p.m., tenable for 2 yrs., are available at M.A. and M.Sc. courses under the direct control of the Univ. in the following subjects: Kannada, Sanskrit, Engl., Philos., Econ., Maths., Geog., Phys., Chem., Bot., Zool. and Geol. These awards are open to graduates of any recognized Univ.

STUDENT RESIDENCE. Karnatak Univ. Hostel, Dharwar (for 50 students, intended mainly for postgraduates); fees, Rs. 40 per term.

PUBLICATIONS. *Bulletin*, Vol. I, No. I (free); Annual Reports (free); *Handbook*, Part I (Annual, as. 8), Part IV (as. 8).

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. Dr. M. S. Hanshetti, Dharwar, Rs. 3500 for a gold medal; Dr. M. S. Wagle, Vengurla, Rs. 100 for a prize; L. G. Patel of Anand, Rs. 1500 towards amount received previously, for a prize of Rs. 100; V. G. Jamkhandi, Kolhapur, Rs. 1200 towards amount received previously, for a prize; Hubli Medical Assocn., Hubli, Rs. 650 as part-payment for a prize.

NEW BUILDINGS. The Administrative Building and residential quarters for the Vice-Chancellor, Registrar, Asst. Registrar and four Profs., on the Chhota-mahabaleshwar site, have been completed.

NEW DEPARTMENT AND POST. Reader in Statistics.

RESIGNATIONS. M. Siddalingaiya, M.A., B.T., Ph.D., Dip. Edn. Col. (Registrar).

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	5671	..
Women	488	..
Total	6159	..

Postgraduate students, 270 (included in above table).

DEGREES AWARDED. *Agric.*: B.Sc. (Agri.), 19; M.Sc. (Agri.), 3. *Arts*: B.A., 139; M.A., 16. *Educn.*: B.Ed., 26; B.T., 9; M.Ed., 8. *Comm.*: B.Com., 21. *Law*: LL.B., 84. *Sci.*: B.Sc., 110; M.Sc., 6.

UNIVERSITY OF LUCKNOW*

Founded 1921

Postal Address: Badshah Bagh, Lucknow, Uttar Pradesh, India.
Telegrams: University, Lucknow.
Telephone (Univ. Office): 270; (Registrar): 3138.

CHANCELLOR—H.E. THE GOVERNOR OF UTTAR PRADESH.

VICE-CHANCELLOR—ACHARYA JUGAL KISHORE, M.A. Oxon.

HON. TREASURER—Hon. C. B. GUPTA, M.A., LL.B.

REGISTRAR—K. D. TEWARI, M.A., LL.B.

PROCTOR—K. C. SARKAR, M.A., Ph.D.

HON. LIBRARIAN—KALI PRASAD, M.A., LL.B.

TEACHING STAFF

CANNING COLLEGE (ARTS, SCIENCE, LAW, COMMERCE AND ORIENTAL DEPT.) (*Telephone*: 216)

Anthropology

Majumdar, D. N., M.A. Calc., Ph.D. Camb., F.R.A.I., F.N.I. — Prof.

Lecturers

Sen, D. K., M.Sc. Calc.
Mathur, K. S., M.A., B.Com.
Srivastava, R. P., M.A.
Madan, T. N., M.A. — Pt.-time Lectr.

Arabic

Wahid Mirza, M., M.A. Panj., Ph.D. Lond. — Reader.

Lecturers

Samadi, S. B., M.A., Ph.D., Dabir-i-Kamil.
Alavi, M. H., M.A., Ph.D.

Botany

Das Gupta, S. N., M.Sc. Calc., Ph.D., D.Sc. Lond., D.I.C. — Prof.

Readers

Pande, S. K., M.Sc. Panj., D.Sc.
Ramchandra Rao, A., D.Sc.
Varma, G. S., M.Sc., Ph.D., F.L.S.
Agarwal, S. C., M.Sc., Ph.D. Luck. and Brist.

Lecturers

Trivedi, B. S., M.Sc.
Rai, J. N., M.Sc., Ph.D.
Ram Udar, M.Sc.
Prasad, B. N., M.Sc.
Awasthi, D. D., M.Sc.
Sharma, B. B., M.Sc.
John, Miss R., M.Sc.

Chemistry

Chatterji, A. C., D.Sc. Alld., Dr.Ing. Berl. — Prof.

Readers

Sen, A. B., M.Sc., Ph.D.
Shukla, S. N., Ph.D. Lond., M.Sc.
Verma, S. C., M.Sc.
Malakar, M. C., M.Sc., D.Sc. Paris.
.....

Lecturers

Srivastava, L. N., M.Sc.
Mukerji, L. N., Ph.D. Lond., M.Sc., D.I.C.

* Member of the Association of Universities of the British Commonwealth.

Yadava, B. P., M.Sc., Ph.D.
Gopal, R., M.Sc., Ph.D.
Tewari, S. S., M.Sc., Ph.D.
Srinastava, T. N., M.Sc., Ph.D.
Misra, G. S., M.Sc., Ph.D.
Bose, A. N., M.Sc., Ph.D.
Misra, V. S., M.Sc., Ph.D.
Pande, C. S., M.Sc., Ph.D.
Rastogi, R. P., M.Sc.
Joshi, K. C., M.Sc , Ph D. Luck., M.S. Ill.
Rastagi, M. C., M.Sc., Ph.D.
Srivastava, R. D., M.Sc., Ph D
Khare, M. P., M.Sc.
Agarwal, R. C., M.Sc.
Parmar, S. S., M.Sc., Ph.D.
Shukla, J. S., M Sc., Ph.D.

Economics and Sociology

Mukerjee, R. K., M.A., Ph.D Calc. Research Prof.
Mukerjee, D. P., M.A. Calc. Prof.
Singh, B., M.A., LL.B., Ph.D., D.Litt. Reader.
Joshi, M. D., M.A. Alld , D.Litt. Reader.
Chandra, P., M.A. Reader.

Lecturers

Khan, N. A., M.A., Ph.D.
Sharma, S. R., M.A., LL.B.
Saran, A. K., M.A.
Gurtu, D. N., B.Sc. Lond.
Seth, K. C. G., M.A.
Misra, S. D., M.A. Alld., Ph.D.
Singh, V. B., M.A., Ph.D.
Sinha, J. N., M.A.
Nagendra, S. P., M.A.
Srivastava, H. G. P., M.A., B.Com., LL.B., Ph.D.

Education

Mathur, R. B., B.A., Ph.D. Lond., D.P.A. Lond , Cert. Ed. Camb. Reader.

Lecturers

Paranjyoti, Miss V., M.A., L.T., Ph.D. Madr.
Jha, S. N., B.Sc., M.A. Agra, L.T. Alld.
Singh, R. P., M.A., B.T. Calc., B.Ed.Sc.
Mukherji, L., M.A., B.Ed., Ph.D.
Sidhanta, Miss R., M.A., Ph.D. Iowa.
Deo, Mrs. P , M.Ed.
Kant, L., M.A., B.Sc., B.Ed.Sc.

English

..... Prof.
Rao, A. V., M.A. Madr., Ph.D. Lond. Reader.
Bhattacharya, A. T., M.A. Reader.
Mitra, D., M.A. Calc. and Luck. Reader.

Lecturers

Rastogi, R. S., M.A.
Narain, S. K., M.A.
Mohan, R., M.A.
Chandra, N., M.A.
Misra, S. P., M.A. Luck. and Minn.
Sinha, S. M., M.A., Ph.D.
Jamiluddin, K., M.A., Ph D.
Farooqi, M. A., M.A., Ph.D.
Saxena, P. K., M.A., Ph.D.
Chaturnedi, B. N., M.A., Ph.D.
Pandey, Miss D. D., M.A., LL.B.
Mangalik, Mrs. M., M.A.
Misra, S S , M.A. (Oriental Dept.) Teacher.

Geology

Rao, S. R. Narayana, M.A., F.G.S. Prof.
Misra, R. C., M.Sc., Ph.D. Reader.

Lecturers

Tewari, B. S., M.Sc.
Singh, S. N., M.Sc.
Kharkwal, A. D., M.Sc. Ban.
Vimal, K. P., M.Sc.
Bhatia, S. B., M.Sc., Ph.D. Lond., D.I.C , F.G.S.

Hindi

Gupta, D. D., M.A., LL.B., D.Litt. Alld. Prof.
Shukla, K. N., M.A., D.Litt. Ban. Reader.
Mishra, B., M.A., Ph.D. Reader.

Lecturers
Avasthi, H. K., M.A.
Agarwal, S. P., M.A., LL.B , Ph.D.
Dikshit, T. N., M.A., LL.B., Ph.D.
Trivedi, V. B., M.A., D.Phil. Calc.
Misra, B. K., M.A.
Dikshit, H. L., M.A., Ph.D.
Tandon, P. N., M.A.
Shukla, Mrs. S., M.A.
Agrawal, R. P., M.A. Luck., and Calc.

History

Mookerji, R. K., M.A., Ph.D. Calc. Emer. Prof.
Qanungo, K. R., M.A., Ph.D. Prof.

Readers
Das Gupta, S. N., M.A. Lond., D.Litt., F.R.Hist.S.
Chatterji, C. D., M.A. Calc.
Chatterji, N. L., M.A. Alld., D.Litt., Ph.D.

Lecturers
Misra, G. S., M.A.
Dikshit, R. K., M.A., Ph.D.
Nagar, R. N., M.A.
Puri, B. N., B.Litt., D.Phil Oxon., M.A., LL.B.
Srivastava, K. C., M.A.
Srivastava, B. N., M.A.
Dube, S. P., M.A., LL.B
Chandra, R., M.A., LL.B (Pt-time).

Mathematics and Statistics

Singh, A. N., M.Sc. Ban., D.Sc. Calc. Prof.

Readers
Ballabh, R., M.Sc., Ph.D.
Mitra, S. C., M.A., Ph.D.
Ghurye, S. G., M.Sc., Ph.D. North Carolina.
.....

Lecturers
Shukla, U. K., M.Sc., LL.B.
Shukla, K. S., M.A.
Jaiswal, J. P., M.Sc., LL.B.
Sinhval, S. D., M.Sc., Ph.D.
Agarwal, R. P., M.Sc., Ph.D.
Mishra, R. S., M.Sc., Ph.D.
Sharma, A., M.A., Ph.D.
Bose, S. K., M.Sc., Ph.D.
Lal, K. M., M.Sc.
Adhikari, B. P., M.Sc.
Ishaq, M., M.A.
Chandra, D., M.Sc.
Ram, S., M.Sc.
Nath, D. N., M.Sc.
Nagar, A. L., M.Sc.
Mehra, A. N., M.Sc.
Srivastava, H M., M.A.
Sharma, S K., M Sc

Modern European Languages

Lecturers
..... (French).
Kashyap, Mrs Anita, LL.D. (German).
Guenther, H. V., Ph.D. (Russian).

Persian and Urdu

..... Prof.
Suroor, A. A., M.A. (Urdu) Reader.

Lecturers
Mosvi, S. Y. H., M.A.
Husain, S. E., M.A. Alld. (Urdu).
Hashmi, N. H., M.A. Alig. and Luck., Ph.D. Alig. (Urdu).
Ahmad, N., M.A., Ph.D., D.Litt.
Khan, A. A., M.A. (Urdu).

Philosophy

Prasad, Kali, M.A., LL.B. Alld Prof.

Readers
Narain, R., M.A., LL.B., Ph.D. Col.
Dasgupta, Mrs. Surama, M.A., Ph.D. Calc., Ph.D. Camb.

Lecturers
Asthana, H. S., M.A., Ph.D.
Loomba, R. M., M.A., LL.B.
Devaraja, N. K., M.A , D.Phil. Alld.
Chandra, S., M.A.

Physics

Sharma, P. N., Ph.D., D.Sc. Prof.

Readers
Srivastava, B. N., D.Sc.
Ghoshal, S. N., M.Sc , Ph.D.
Dutt, S. K., M.Sc.
Mathur, S. B. L., M.Sc.
Temp. Reader.

Lecturers
Saraf, J. R., M.Sc., Ph.D.
Banerji, A. C., M.Sc.
Gupta, R. C., M.Sc.
Saxena, M. C., M.Sc.
Sharma, C. B., M.Sc., D.Phil.
Deo, P. G., Ph.D., D.Sc.
Lal, K. C., M.Sc.
Tandon, R. K., M.Sc.
Joshi, B. N., M.Sc.
Varma, A. S., M.Sc , Ph D.
Sah, J. P., M.Sc.
Dutta, S. N., M.Sc
Madan, M P., M.Sc , Ph D.
Singh, J. N , M Sc.

Political Science
Sharma, B. M., M.A., B.Sc. Alld., Ph.D., D.Litt. Prof.

Readers
Dhawan, G. N., M.A. Agra and Luck., LL B , Ph.D.
Masaldan, P. N., M.A., Ph.D.
Loomba, A L., M.A.

Lecturers
Das, R. B., M.A., Ph.D.
Sharma, I. D., M.A., Ph.D.
Chowdhury, L. P., M.A., Ph.D.
Singh, R., M.A.
Sharma, J. C., M.A., Ph.D.
Chandra, M., M.A.
Singh, D. P., M.A.
Agarwal, A. K., M.A.
Temp. Lectr.
Misra, K. P., M.A. Pt.-time).
Bora, Miss U , M.A. (Pt.-time).

Sanskrit and Prakrit Languages
Iyer, K. A. S., M.A. Lond. Prof.
Pandey, K. C., M.A., M.O.L. Panj., Ph.D., D.Litt. Reader.

Lecturers
Singh, S. V., M.A., Ph.D.
Banerjea, A C., M.A., Ph D. Lond.
Shukla, D. N., M.A.
Dikshit, G. P., M.A.

Zoology
..... Prof
Lal, M. B., D.Sc. Reader.
Dayal, J., D.Sc. Reader.
Das, S. M., D Sc. Temp. Reader.

Lecturers
Gupta, P. D., M.Sc., Ph D.
Pal, R., M.Sc., Ph.D.
Tandon, B. K., M.Sc.
Singh, S., M.Sc., Ph.D.
Gupta, Mrs. P., M.Sc., Ph.D.
Temp. Lectr.
Tewari, H. B , M.Sc., D.Phil.
Temp Lectr.

Commerce

Commerce
Das Gupta, B. N., B.A. Calc., F.C.A (on leave) Prof.
Sarkar, K. C., M.A., Ph.D.
Reader (Offg. Prof.).
Sharma, S. L., M.Com., Ph.D.
Offg. Reader.

Lecturers
Saksena, P. D., B.Com., M A.
Pandey, A., M.A.
Mitra, A., M.A.
Varshney, R. L., M.Com., Ph.D.
Lal, R. M., M.Com., LL B.

Economics
Gupta, O. P., Ph.D. Lond., F.S.S.
Prof.

Lecturers
Dutt, G., M.A., M.Com., LL.B.
Hajela, G. L., M.A., B.Com.

Law

Singh, R. U., M.A., LL.B. Alld., S.J.D. Harv. Prof.

Readers
Nigam, S. S., M.Sc., LL.M.
Sharma, G. S., M.A., LL.M., J.S.D. Yale.

Shukla, V N , B.A , LL M., Ph D. Lond

Hon. Readers

Verma, R. P., B.A., LL.B.
Lal, Ch. R. B., B.A., B.Sc., LL.B
Chatterji, G. G., B.A., LL.B.

Lecturers

Gupta, B. K., B Sc , LL.M., J S D Yale.
Nigam, R. C., M A , LL.M., Ph.D.
Sharma, B. N., B.A., LL.M.
Tandon, L. N., B.A., LL.M.
Tewari, R. B., LL.M.
Kumari, Mrs. S., M.A , LL B.
Goel, R. K , B A , B.C L

Oriental Department

Arabic and Persian

Naqvi, S. A. N., Fazil-i-Adab, Sadrul - Afazil, Mumtazul-Afazil First Maulvi.
Kamoonpuri, M. H., Fazil Alld., Sadrul-Afazil, Ph.D. Second Maulvi.
Ahmad, E., M.A. Third Maulvi.

Sanskrit

Ojha, K. N Pandit.
Awasthi, R F Pandit.

Isabella Thoburn College (Women)

Principal—Miss Ava Hunt, M.A Chic

Chemistry

Wallace, Miss W., B.A. Minn., A.M. Col., Ph.D. Reader.

Lecturers

Verma, Miss Sharda K., M.Sc.
Zunnurain, Mrs. Shakila, M.Sc.

Economics and Sociology

Lecturers

Harinarain, Mrs. K., M A.
Misra, Miss K., M.A.

Education

Wilson, Miss M. D., M.Ed. Patna, B.A., D.T. Reader.
Roy, Miss B., A.M., Ed.D. Harv Reader.

Lecturers

Pierce, Mildred, B.E., M.A.
Hunt, Miss A. F., M.A.
Paul, Miss B. C., M Ed.

English

Dimmitt, Miss M. A., B.A. De-Pauw, M.A. Wellesley Reader.

Lecturers

Sommerville, Miss M., M.A., Ph.D.
Shukla, Miss V., M.A.
Qamber, Miss A., M.A.

Hindi

Bhatnagar, Mrs. Hem, M A. Lectr.

History

Johnson, Miss S. E., A.M. Col. Reader.
Seetal, Miss E , M.A. Lectr.

Mathematics

Chandapillai, Miss A., M.A., L.T. Lectr.

Persian and Urdu

..... Lectr.

Philosophy

Lecturers

Williams, Miss L. V., M.A. Ohio
Shukla, Miss M , M.A., D.T.

Physics

Zutshi, M. N., M.Sc., L.T. Lectr.

Political Science

Wznchoo, Miss V., M.A. Lectr.

Sanskrit and Prakrit Languages

..... Lectr.

Zoology

Mathew, Miss A., M.A. Lectr.

KANYA KUBJA COLLEGE

Principal—Madan Gopal Misra, M.Sc., B.T.

Botany and Geology

Lecturers

Majumdar, S. S., M.Sc., L.T.
Bhatnagar, S. P., M.Sc.

Chemistry

Lecturers

Misra, M. G., M.Sc., B.T.
Chaturvedi, I. R., M.Sc.
Dikshit, R. C., M.Sc.
Varma, I. D., M Sc.

English

Chatterji, N. C., M A. Lectr

Mathematics

Lecturers

Dikshit, K. L., M.A.
Nigam, R. C., M.Sc.

Physics

Lecturers

Pandey, S. K., M.Sc., B.T.
Vaish, K. N., M.Sc., L.T.

Zoology

Lecturers

Misra, V. R., M.Sc.
Srinastava, R. P., M.Sc.

KARAMAT HUSAIN MUSLIM GIRLS' COLLEGE

Principal—Miss Roshan Jahan Begam, M.A.

Economics and Sociology

Salim, Mrs. Hamida, M.A., B.T. Lectr

English

Afridi, Miss W. N , M A Lectr.

History

Naqvi, Mrs. Hamida, M.A Lectr.

Persian and Urdu

Zaheer, Mrs. R. S., M.A. Lectr.

Philosophy

..... Lectr.

KING GEORGE'S MEDICAL COLLEGE (*Telephone*: 202)

Principal—Col. R. K. Tandon, M.B., B.S.
Dean—V. S. Mangalik, M.D., D.C.P. Lond.

Anatomy

Narayan, D., M.B., M.S. Prof.
Varma, H. C., M.B., M.S. Reader.

Lecturers

Das, A. C., M.B., M.S.
Ribeiro, W., M.B., M.S.
Kackar, G. M., M.B., B.S. Agra, M.S.
Chaturvedi, R. P., M.B., M.S.
4 Sr. and 2 Jr. Demrs.

Ayurvedic

Dwivedi, V. N., B.A. Reader.
Sharma, J. D., M.B., B.S. Lectr.
Sharma, S. D. Lectr.

Dentistry

..... Reader.

Lecturers

Chaudhry, K. P., B.D.S.
Gupta, H. D.
Chawla, T. N., B.Sc., B.D.S., M.S.
2 Sr. Demrs., 1 Anæsthetist.

Diseases of Ear, Nose and Throat

Misra, R. N., M.B., M.S., D.L.O. Reader.
Bhatia, M. L., M.B., B.S., D.L.O. Lectr.

Forensic Medicine

Tandon, C. P. Pt.-time Prof.

Medicine

Sahai, H., M B., B.S. Panj. Emer. Prof.
Bhatia, B. B., M.D. Prof.
Misra, S. S., M.D. Prof.
Gupta, N. N., M.D., B.S. Reader.
Kunwar, K. B., M.B., B.S., M.D. (Pathol., Med. and Pharm.) Reader
Chakravarty, S. N., M.D. Reader.
Sharma, D. N., M.B., B.S. (Medicine) Pt.-time Reader.
The Supt., Mental Hosp., Agra Teacher in Mental Diseases.
Tandon, O. P., M.B., B S., M D. Lectr
Nath, K , M B , B S., M D Lectr.
Sharma, N. L., M.B., B.S., D.T.M., D.P.H. Calc., D.C.H. Lond (Pædiatrics) Lectr.
Gupta, R. N , M.B., B S. (Dermatol.) Lectr
Raghuvanshi, N. S , M.B , B.S. (Pædiatrics) Pt.-time Lectr.
Agarwala, B L , M.B., B S. Pt.-time Lectr.

Obstetrics and Gynæcology

Satur, Dorothy M., B.A., M.B , B.S. Madr., F.R.C.S.Ed. Prof.
Kutty, Miss Devaki, M.B., B.S., D.G.O. Lond. Reader.
Sanwal, Mrs. H. M., M.B., B.S. Panj. Temp. Reader.
Das, Miss Mohini, M.B., B.S. Temp. Lectr.

Ophthalmology

Misra, C. P., L.M.S. Panj. Emer. Prof.
Gupta, S. P., M.B., D.O.M.S. Lond., F.R.C.S.Ed. Prof
Khanna, Capt. V. N., M.B., B.S., D.T.M., D.O., D.O.M.S. Reader.
Hans Raj, M. B., B.S., L.O. Pt.-time Reader.
Shukla, K. N., M.B., M.S. Lectr.

Orthopædics

Sinha, B. N., M.B., B.S., F.R.C.S. Reader.
Saksena, Capt. R. K., M.B., B.S. Pt.-time Lectr.

Pathology

Mangalik, V. S., M.D., D.C.P. Lond. Prof.
Gupta, S. P , B.Sc. Ban., M.D. (Pathol. and Med.), Dip. Bact. Lond. Reader.
Gupta, N. P., M.D., B.S., Dip. Bact. Lond. Reader.
Mehrotra, R. M. L., M.D., B.S. Temp. Reader.
Wahal, K. M., M.D., B.S. Lectr.
Kumar, Abhaya, M.Sc., D Phil. Lectr.
2 Sr. and 3 Jr Demrs

Pharmacology

Gujral, M. L., M.B., B.S. Prof.
Chowdhury, N. K., M.D., B.S., Ph.D., D.T.M. Reader.
Srivastava, R. S., M Sc , Ph.D. Lond. Reader.
Bhargava, K. P., M.D., B.S. Lectr.
2 Sr. and 1 Jr. Demrs. and 1 Pharmaceutical Chemist.

Physiology

Mathur, S. N., M.B., B.S. Alld., Ph.D. Lond. Prof.

Readers

Shukla, R. C., M.D., B.S.
Malaviya, B. K., M.Sc., Ph.D. Alld.

Lecturers

Kapoor, S. R , M.D., B.S.
Sharma, A. P., M.B., B.S , M.D.
Prasad, J., M.B., B.S.
Chowdhury, M. S., M.D., B.S.
6 Sr. and 2 Jr. Demrs.

Radiology

Chatterji, C., B.Sc. Alld., M.B., B S., D.M.R. Lond. Reader.
Lal, B., M.D., B.S., D.M.R.E. (Radio-Therapy) Lectr.

Part-time Lecturers

Kumar, A., M.B., B.S., D.M.R.E.
Krishna, B., M.Sc. (Radio-Physics).

Social Medicine and Public Health

Yajnik, B. S., M.B., B.S., D.P.H. Pt.-time Prof.
Prasad, B. G., M.D., D.P.H. Pt.-time Demr.

Surgery

Misra, S. C., M.B., B.S., F.R.C.S. Prof.
Singh, R V, M.B., M.S., F.R.C.S. Prof. (Clin Surg.).

Readers

Das, P., M.S., F R.C.S.
Chandra, T., M.S., F.R.C.S.
Chowdhury, K. R., D.O., D.O.M.S., F.R.C.S. Pt.-time Reader.
Sharma, R. N., M.B., M.S., F.R.C.S.
Charan, A., M.B., M.S.

Part-time Lecturers

Gupta, R. N., M.B., B.S. (Venereal Dis.).
Varma, H. P., M.B, B.S. (Anæsthetics).
Pande, R. C., M.B., M.S.

Tuberculosis

Tandon, R. N, M B., B.S., T.D.D., D.M.R.E. Pt.-time Reader.
Mathur, J B L., M.D., B.S. Lectr.

Lucknow Christian College

Principal—C. M. Thacore, M A., T.Dip., Ph.D., LL.D.

Botany and Geology

Lecturers

Nigam, M. P., M.Sc.
Bhakey, G N., M.Sc., LL.B.

Chemistry

Lecturers

Chowfin, E. H., M.Sc., L T.
Sinha, A. K., M.Sc.
Srivastava, A. K., M.Sc.

English

Lecturers

Thacore, C. M., M.A., T.Dip., Ph D., LL.D.
Appasamy, K., M.A., B.D.

Mathematics and Statistics

Srinastava, R. S. L., M.Sc. Lectr.

Physics

Lecturers

Mundle, N. K., M.Sc., Ph.D.
Hulse, B. T., M.Sc.

Zoology

Lecturers

Jordan, E. L., M.Sc. Alld., M.A. Tor.
Nigam, H. C., M.Sc.

Mahila Vidyalaya College (Women)

Principal—Miss K. Sabarwal, M.A. Patna, Ph.D.

Economics and Sociology

Vargese, Mrs. S., M.A. Teacher.

Education

Lecturers

Chaturvedi, Miss V., M.A., L.T., M.Ed.
Saxena, Miss S., M.A., L.T., M.Ed.
Varma, Miss Y., M.A., B.T., M.Ed.
Handu, Miss N., M.A., B.T., M.Ed.
Srivastava, Mrs. S., M.A., B.T. (Pt.-time).

English

Lecturers

.....
Vyas, Manorama, M.A.
Dutt, Mrs. S., M.A., D.T.

Hindi
Srinastava, Miss R. K., M.A.
Singh, Miss R., M.A., LL.B.

History
Lecturers
Srivastava, Mrs. Rameshwari D., M.A., M.Ed.
Sinha, Mrs. C., M.A.

Mathematics and Statistics
Bajpai, Miss Saraswati, M.A., L.T. Lectr.

Philosophy
Lal, Miss Priti K., M.A., B.T. Lectr.

Sanskrit and Prakrit Languages
Tiwari, Mrs. Pratibha, M.A. Lectr.
Sinha, Mrs. C., M.A. Lectr.

SHIA COLLEGE

Principal—Khwaja Athar Husain, M.A.

Botany and Geology
Lecturers
Vaish, S. S., M.Sc.
Singh, A , M.Sc.

Chemistry
Lecturers
Mathur, J. P., M.Sc.
Kakaji, T. N., M.Sc.

Mathematics
Lecturers
Upadhyaya, C. D., M.Sc.

.....

Physics
Lecturers
Pandya, T. P., M.Sc.
Srivastava, R. C., M.Sc.

Zoology
Lecturers
Srinastava, N. N., M.Sc.
Johri, G. N., M.Sc.

ADMINISTRATIVE AND OTHER STAFF

DEANS OF FACULTIES. *Arts*, Prof. K. A. S. Iyer; *Commerce*, Prof. O. P. Gupta; *Law*, Prof. R. U. Singh; *Medicine*, Prof. V. S. Mangalik; *Medicine (Ancient and Modern)*, Prof. V. S. Mangalik; *Science*, Prof. S. N. Das Gupta.

ASST. REGISTRAR: Sheo Shankar.

ASST. REGISTRAR (Accounts): A. K. Raizada, B.A.

ASST. REGISTRAR (attached to Vice-Chancellor): P. C. Mital, M.A.

ADDITIONAL PROCTORS. Arts, S. M. Sinha, M.A., Ph.D.; M. D. Joshi, M.A., D.Litt.; Science, L. N. Srivastava, M.Sc.; Medicine, N. N. Gupta, M.D.; Law, B. N. Sharma, B.A., LL.M.; Commerce, G. Datt, M.A., M.Com., LL.B.; Women Students, Mrs. S. Shukla, M.A.

SR. N.C.C. OFFICER. Capt. A. L. Loomba, M.A.

SUPT. GANDHI MEMORIAL AND ASSOCIATED HOSPS., Col. R. K. Tandon, M.B., B.S.; Deputy Supt., P. K. P. Pillai, B.A., LL.B.

CANNING COLLEGE. Wardens, K. Prasad, M.A., LL.B. (Butler Hostel); A. C. Chatterji, D.Sc., Dr.Ing. Berl. (Subhas Hostel); S. C. Varma, M.Sc. (Tilak Hostel); K. C. Sarkar, M.A., Ph.D. (Mahmudabad Hostel); G. S. Sharma, M.A., LL.M., J.S.D. Yale (Habibullah Hostel); B. Singh, M.A., LL.B., Ph.D., D.Litt. (V.-C.'s Lodge Hostel); S. N. Das Gupta, M.Sc., Ph.D., D.Sc. (Narendra Deva Hostel); R. B. Das, M.A., Ph.D. (Balrampur Hostel);

Mrs. P. Shukla, M.A., B.T. (Kailash Hostel). Medical Officer, B. N. Mehrotra, M.B., B.S. Resident Medical Officer, S. B. Singh.

ISABELLA THOBURN COLLEGE. Vice-Principal, ... Chief Warden, Miss Shahadat Masih, M.A. Medical Officer, Miss M. Fox.

KANYA KUBJA COLLEGE. Vice-Principal, N. C. Chatterji, M.A. Warden, L. S. Misra, M.A. Medical Officer, ...

KARAMAT HUSAIN MUSLIM GIRLS' COLLEGE. Warden, ... Medical Officer, Tara Chand, M.B., B.S.

KING GEORGE'S MEDICAL COLLEGE. Wardens, S. S. Misra, M.D. (Chakravarti Hostel); M. L. Gujral, M.B., B.S. (Gokaran Nath Misra Hostel); S. C. Misra, M.B., B.S., F.R.C.S. (Sardar Patel Hostel); ..... (Vijaya Lakshmi Hostel).

LUCKNOW CHRISTIAN COLLEGE. Wardens, K. Appasamy, M.A., B.D. (C. L. Bare Hostel); E. H. Chowfin, M.Sc., L.T. (O.C. Hostel). Medical Officer, ...

MAHILA VIDYALAYA COLLEGE. Warden, Mrs. J. N. Srivastava, M.A. Medical Officer, Mrs. P. Arora, M.B., B.S.

SHIA COLLEGE. Vice-Principal, ... Warden, N. H. Alley, M.A., LL.B. Medical Officer, ...

GENERAL INFORMATION

This residential and teaching Univ. was established under an Act of the Provincial Legislature passed in Nov. 1920. The authorities of the Univ. include a Court, Executive Council, Academic Council, Committee of Reference and Faculties.

FACULTIES. Arts, Commerce, Law, Medicine, Medicine (Ancient and Modern), Science. (For Deans *see* "Administrative and other Staff," p. 1344.)

LIBRARY. 140,638 vols. (including King George's Med. Coll. and Bonarjee Library).

ADMISSION. Qualifications for Degree courses: Arts or Science—the Inter. Examn. of an Indian Univ. or of the Bd. of High School and Inter. Educn., U.P., or of Rajputana (incl. Ajmer-Merwara), Central India, and Gwalior, or of the Bd. of Inter. and Secondary Educn., Dacca; the Examn. conducted by the Bd. of Secondary Educn., United States of Madhya Bharat; the Pre-medical examn. of Delhi Univ., the Pre-Engineering examn. conducted by the Pre-Engineering Examn. Bd., and the Cambridge Higher School Certif. Examn., previous examn. of Camb. Univ., Responsions of Oxford Univ. Law—Degree in Arts, Science or Commerce. Commerce—Commercial Diploma of the Panjab Univ., or the Inter. Examn. in Commerce of the Bd. of High School and Inter. Educn., U.P., or of Rajputana (incl. Ajmer-Merwara), Central India, and Gwalior, or the Inter. Examn. in Arts (Group B—Special) of Delhi Univ. or Inter. Examn. in Group E of the Bd. of Inter. and Secondary Educn., Dacca; the Inter. Examn. of Andhra Univ., in 3 Commercial subjects; Inter. or B.A. Examn. of any recognized Univ., with Economics; Pt. I of the Associate Examn. of the Indian Institute of Bankers after passing Inter. Examn.; All-India Sr. Diploma Examn. of the All-India Bd. of Commercial Studies, Delhi. Med.—Degree in Science of Agra or Alig., Alld., Ban., Bom., Calc., Dacca, Delhi, Madr., Mys., Nag., Panj., Patna or Rangoon taken with Chem. and Biol.

as optional subjects, or, subject to certain conditions, the Inter. Examn. of Alig., Ban., Panj., East Panjab, Raj., Nag., Saug., Bom., Patna, Karn., Delhi, Inter. Bd. of Educn., U.P., or the Examn. conducted by the Bd. of Secondary Educn., United States of Madhya Bharat; B.Sc. examn. of the Univ. of S. Africa.

The usual LANGUAGES OF INSTRUCTION are Hindi and English.

DEGREES. B.A. Pass, 2 yrs.; B.A. Hons., 3 yrs.; M.A., 2 yrs. after B.A. (or after B.A. Hons., 1 yr.); Ph.D., after 2 yrs.' research; D.Litt., 5 yrs. after having taken Ph.D., also Honorary. B.Sc. Pass, 2 yrs.; B.Sc. Hons., 3 yrs.; M.Sc., 2 yrs. (or after B.Sc. Hons., 1 yr.); Ph.D., after 2 yrs.' research; D.Sc., 5 yrs. after having taken Ph.D., also Honorary. M.Ed., 2 yrs. for grads. and 1 yr. for B.Ed.Sc. or L.T. graduates; M.S.W. (Master of Social Work, 1 yr.; LL.B., 2 yrs. after B.A. or B.Sc. or other specified degree; LL.M., 2 yrs. after LL.B.; LL.D., 3 yrs. after LL.M., also Honorary. M.B., B.S., 5 yrs.; B.D.S., 2 yrs. for Medical graduates and 4 yrs. for undergraduates; M.D., M.S., 3 yrs. after M.B., B.S.; B.M., B.S., 5 yrs.' course in Fac. of Med. after Inter. Science and 6 yrs.' course for non-Inter. Science students; B.Com., 2 yrs.; M.Com., 2 yrs. after B.Com.; Ph.D., after 2 yrs.' research. Lectures are supplemented by tutorial work.

DIPLOMAS AND CERTIFICATES. Dipls. are granted in Pub. Admin., 2 yrs. for undergrads. and 1 yr. for grads.; Foreign Affairs and Diplomacy, 1 yr.; Psychol., 1 yr.; Med. Radiol. and Electricity, 1 yr.; Laryngol. and Otol., 1 yr.; Gynæcol. and Obstet., 1 yr.; Teaching, 1 yr.; Arabic, 1 yr.; Persian, 1 yr.; Sansk., 1 yr.; Military Sci., 1 yr.; Tuberculosis Dis., 1 yr.; Ophthalmic Med. and Surg., 1 yr.; Clin. Pathol., 1 yr.; Orthopæd. Surg., 1 yr.; Certs. of Proficiency in Franch, German and Russian, 1 yr.; and Dipls. in French, German and Russian, 2 yrs.

FEES for tuition per session: B.A. Pass and Hons., or B.Com., Rs. 144; M.A., M.Com. or LL.M., Rs. 180; M.B., B.S., Rs. 200; B.D.S., Rs. 300, and B.M., B.S., Rs. 200; Diplomas in Med. Radiol. and Elect., Laryngol. and Otol., Gynæcol. and Obst., Tuberculosis Diseases, and Orthopæd. Surg., Rs. 400 for medical graduates from colleges other than Lucknow, Rs. 300 for medical graduates from the King George's Medical College, Lucknow; B.Sc. Pass and Hons., or M.Ed., Rs. 180 (Geol., Rs. 255); M.Sc., Rs. 216 (Maths., Rs. 180; Geol., Rs. 291); LL.B., Rs. 180; D.Sc., Rs. 270; Ph.D., Rs. 180 (Rs. 270 if work involves use of Labs.); L.T., Rs. 162; Dip. in Military Sci., Rs. 18; Dip. in Psychol., Rs. 72; Dip. in Pub. Admin., Rs. 96; Dip. in Foreign Affairs and Diplomacy, Rs. 216; Dip. in French, or German or Russian, Rs. 60 for students already on Univ. registers and Rs. 120 for others; Certif. of Proficiency in French or German or Russian, Rs. 48; D.O.M.S., Rs. 300; D.C.P., Rs. 150.

RESIDENCE. Students are required, unless specially exempted, to live in hostels attached to King George's Medical Coll., Canning Coll., Lucknow Christian Coll., Kanya Kubja Coll., and Shia Coll. for men; Isabella Thoburn Coll., Mahila Vidyalaya Coll. and Karamat Husain Muslim Girls' Coll. for women. There are also Univ. hostels for women students attached to Canning Coll. and King George's Medical Coll. Fees: For men—Rs. 90 to Rs. 135 per session, according to room. For women—Rs. 67·8 to Rs. 90 per session, according to room. For Wardens *see* "Administrative and other Staff," p. 1344.

PUBLICATIONS. *Calendar* (alternate yrs., Rs. 12); *Prospectus* (annual, Rs. 2·8); *Annual Report* (free); *Quinquennial Report of Research Work* (free); *Lucknow University Studies*; *Radha Kumud Mookerji Endowment Lectures*.

THE YEAR 1952–53

EXTRA-MURAL WORK. Extension Lectures delivered by members of staff. Night Schools, Lantern Lectures and Civic Surveys organized by students in the Univ. Close contact established with evening schools for working men's children.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	6696	..
Women	621	..
Total	7317	..

DEGREES (1954). Ph.D. (Arts), 15 ; Ph.D. (Sci.), 3 ; M.D., 15 ; M.S., 11 ; LL.M., 3 ; M.A., 372 ; M.Sc., 149 ; M.Com., 68 ; M.Ed., 13 ; LL.B., 303 ; B.A. (Hons.), 32 ; B.Sc. (Hons.), 16 ; M.B., B.S., 122 ; L.T., 108 ; B.A. (Pass), 763 ; B.Sc. (Pass), 354 ; B.Com., 177 ; M.S.T., 35 ; B.D.S., 5.

DIPLOMAS (1954), D.P.A., 58 ; D.F.A., 1 ; German, 14 ; French, 54 ; Russian, 5. Arabic : Fazil-i-Adab, 7 ; Alim, 2 ; Fazil-i-Tafsir, 4. Persian : Dabir-i-Kamil, 4 ; Dabir-i-Mahir, 4. Sanskrit : Acharya, 10 ; Shastri, 2.

UNIVERSITY OF MADRAS*

Founded 1857

Postal Address: University Buildings, Chepauk, Triplicane P.O., Madras 5, India.
Telegrams: University, Madras.
Telephone: Madras 86914, 86822.

CHANCELLOR—THE GOVERNOR OF MADRAS

PRO-CHANCELLOR—THE MINISTER FOR EDUCATION.

VICE-CHANCELLOR—Lt.-Col. DIWAN BAHADUR SIR A LAKSHMANASWAMI MUDALIAR, D.C.L. Oxon, B.A., M.D., LL.D., D.Sc., F.R.C.O.G., F.A.C.S

REGISTRAR—R. RAVI VARMA, M.A. Lond.

DEPUTY REGISTRAR—RAO SAHIB CAPT. D. SIVASUBRAHMANIA MUDALIAR.

SPECIAL OFFICER—D. NARAYANAN

LIBRARIAN—R JANARDHANAM NAIDU, B.A., L.T., D.E. Oxon., Dip. L.S., F.L.A.

ASSISTANT LIBRARIAN—V. S MUTHIAH, M.A., L.T Mich.

UNIVERSITY TEACHING AND RESEARCH STAFF

Anthropology

Ehrenfels, Baron U. R., Ph.D Vienna — Lectr

Biochemistry

Subbaraya Sarma, P., M.Sc., Ph.D. Wis. — Prof
Shanmugasundaram, E R B., B Sc. — Lectr.
Radhakrishnamurthy, R., B.Sc — Res. Asst

Botany

Sadasivan, T. S., M.Sc., Ph.D Lond. — Prof.
Subramanyam, C. V., M A., Ph.D. — Reader.
Ramakrishnan, K., B.Sc., Ph.D — Sr. Lectr
Sulochana, C B., M Sc — Res. Asst.

Chemistry, Organic

Menon, K N., M Sc., Ph.D Prof
Swaminathan, S., B Sc., Ph D. Ill — Reader.

Chemistry, Physical

Santhappa, M., B.A., Ph.D Manc., Ph.D Lond — Reader

Geography

Kuriyan, G., B A., B.Sc Lond., Ph D Lond — Prof.
Prakasa Rao, V. L. S., M.A., D.Phil. — Sr. Lectr.

Geology

Jagapathy Naidu, P R., M.Sc., D.Phil. Basle — Reader.

Indian Economics

Balakrishna, K., M.A., Ph.D. Lond. — Prof.

* Member of the Association of Universities of the British Commonwealth.

Bright Singh, D , B.A , Ph.D. Sr Lectr.

Indian History and Archæology

Mahalingam, T. V., M A., D.Litt. Reader.

Arokiyaswami, M., M.A., Ph.D. Lectr.

Indian Music

Sambamurti, P., B.A., B L. Reader.

Indian Philosophy

Mahadevan, T. M. P., M.A., Ph.D. Prof

Legal Studies

Alexandrowicz, C H., LL.M , LL.D (Internat and Constit. Law) Prof

Mathematics

Krishnan, V. S , M A , D Sc , B.T. Reader

Venkataraman, M., M.A., Ph.D Sr Lectr

Physics

Ramachandran, G N , M.Sc., Ph.D. Camb., D.Sc. Prof

Ramarkrishnan, A , B.Sc., Ph.D. Manc. Reader

Chandrasekharan, K S , M Sc Res. Asst.

Politics and Public Administration

Bhaskaran, R., M.A. Reader.

Psychology

Boaz, G. D., M.A., D.Phil. Oxon. Prof

Shanmugham, T. E., M.A., M.Litt. Sr. Lectr.

Statistics

Rajalakshman, D. V., M.A., M.Sc., Ph.D Manc , F.S.S. Reader.

Lingappaiah, G S., B Sc Lectr

Zoology

Gnanamuthu, C. P., M.A., D.Sc. Prof.

Krishnan, G , M A., M.Sc., Ph.D. Manc. Reader.

Krishnaswamy, S., M.Sc. Lectr

Sebastian, V O , B.A , M.Sc. Res. Asst.

Technology

Chemical Engineering

Govinda Rao, M. A , M.A , Ph.D. Lond. Dir.

Readers

Jayaraman, V. S., B.E (General Engin.).

Laddha, G. S., Ch.E , Ph.D. Purdue, B.Sc., B Sc. (Tech.), M Sc. (Chem. Engin.).

Madhavan Nair, A. P , M.A. (Appl Phys. Chem).

Lecturers

Janardhan, P B , M A , Ph.D.

Chennakesavan, B , B Sc (Chem. Engin).

Murugamanickam, P., B.E. (General Engin.).

Textile Technology

Mohanty, B. C., M.Sc. Leeds Prof.

Krishnamurti, S., B.Sc., B.Sc. (Tech.) (Weaving) Reader.

Quraishi, R. A., B.Sc., B.Sc. (Tech.) (Spinning) Sr. Lectr.

Balakrishnan, O. K., B.Sc. (Textile Chem.), D C.T. Jr. Lectr.

Oriental Research Institute

(4 Sections—*Sanskritic, Dravidian, Islamic and Hindi*)

Arabic, Persian and Urdu

..... Prof

Junior Lecturers

Usha, A. H. S., B.A. (Persian).

Kokan, M. Y., M.A. (Urdu).

Hindi

Naidu, S. S. R., M.A. Sr. Lectr.

Kannada

Mariappa Bhat, M., M.A., L.T. Reader.

Govinda Rao, M., M.A., B.O.L. Jr. Lectr.

Malayalam

Krishnan Nayar, S., M.A., Ph.D. Sr. Lectr.

Ezhuthachan, K. N., M.A. Jr. Lectr.

Sanskrit

Raghavan, V., M.A., Ph.D. Reader.

Kunjunni Raja, K., M.A., Ph.D. Sr. Lectr.

Subramania Sastri, S., B.O.L., M.A. Jr. Lectr.

Tamil

Sethu Pillai, R. P., B.A., B.L. Prof.

Dorai Rangaswamy, M. A., M.A., M.O.L. Sr. Lectr.

Purushothama Naidu, B. R., Vidvan Jr. Lectr.

Telugu

Venkata Rao, N., M.A. Sr. Lectr.

Ramakrishna Sastry, S., M.A., B O.L. Jr. Lectr.

CONSTITUENT HONOURS COLLEGES

MADRAS, *Loyola College*, Madras 6. (Recognized in Hons. Courses in Econ., Maths., Chem. and Comm.) Principal—Rev. S. Arulsamy, M.A.; Profs and Lectrs.: *Botany*—Rev. A. Rapinat; Rev. Pallithanam, B.Sc.; R. Rama Rao. *Chem.*—Rev. L. M. Yeddanapalle, M.A., Ph.D., D.Sc.; M. P. Sebastian, M.Sc.; P. C. Scaria, M.Sc. *Commerce*—G. Soundararajan, B.A., B.L.; D. V. Krishnamurti, B.A., LL.B. *Econ. and Hist.*—Rev. F. Basenach, B.Sc. Lond., Ph.D.; Rev. S. Royappa, M.A. *English*—Rev. L. D. Murphy, M.A. Oxon.; Rev. C. Leigh; A. L. Krishnan, M.A.; Rev. J. Arulswami. *Latin*—Rev. F. Amesua. *Malayalam*—K. N. Sankaran Unni, M.A. *French*—A. Gabriel, M.A. *Logic*—Rev. F. Varin; Rev. A. M. Antonyswami. *Maths.*—Rev. C. Racine, D.Sc.; V. A. Mahalingham, M.A.; K. A. Adivarahan, M.A.; S. Narayanan, M.A. *Physics*—V. Somasundaram Iyer, M.A.; S. R. Govindarajan, M.Sc.; C. C. Ouseph, B.Sc. *Sanskrit*—K. V. Subramanya Sastri, M.A.; V. Varadachari, B.A. *Tamil*—S. Srinivasa Ayyangar, B.A. *Zoology*—T. N. Ananthakrishman, B.Sc. 71 other Teachers.

MADRAS, *Pachaiyappa's College*, Madras 10. (Recognized in Hons. Courses in Econ., Hist., Maths., Philos., Comm., Tamil, Telugu.) Principal—R. Krishnamurti, M.A. Profs. and Asst. Profs.: *Bot.*—V. S. Sundaralingam, M.Sc. *Chem.*—P. Bhaskarapanikkar, M.Sc. *Commerce*—P. R. Sundararajan, M.A., L.T., M.Com. *Econ.*—.....; A. Muthiah, M.A. *English*—R. Krishnamurti, M.A.; W. V. Venkata Rao, M.A. *French*—M. S. Jothi, M.A. *Hist.*—T. K. Venkataraman, M.A., L.T. *Indian Langs.*: *Tamil*—M. Varadarajan, M.O.L., Ph.D. *Telugu*—S. Ramalinga Sastri. *Hindi*—P. V. Chalapateeswara Rao, M.A. *Sanskrit*—A. Shanmugha Mudaliar, M.A. *Maths.*—T. S. Sankaranarayana Pillai, M.A.; K. Narasimhachari, M.A.; A. Ramanathan, M.A. *Philos.*—P. C. Munuswamy, M.A.; V. A. Devasenapati, M.A., Ph.D. *Phys.*—V. P. Narayanan Nambiar, M.A. *Zool.*—B. Bonnell, M.A. 100 other Teachers.

MADRAS, *Presidency College*, Madras 5. (Recognized in Hons. Courses in Bot., Chem., Econ., Engl. Lang. and Lit., Geog., Geol., Hist., Isl. Hist. and Culture, Kannada, Malayalam, Maths., Phys., Pol., Psychol., Sanskrit, Tamil, Telugu, Zool.) Principal—T. B. Nair, M.A. Lond., L.T. Profs.: *Bot.*—B. G. L. Swamy, D.Sc.; N. Venkatasubramanian, M.A., L.T. *Chem.*—T. R. Govinda-

chari, M.Sc., Ph.D.; S. Lakshminarayanan, M.A., L.T. *Econ.*—S. Velayudham, M.A. *Engl.*—Mrs. G. Parthasarathi, M.A., B.Litt., L.T.; Miss T. Sita Chari, B.A. Camb. *Geog.*—..... *Geol.*—K. Venugupal, M.A., Ph.D. *Hist.*—T. B. Nair, M.A. Lond., L.T. *Islamic Hist.*—S. A. W. Bukhari, M.A., L.T. *Maths. and Statistics*—..... *Phys.*—S. Gopalakrishnamurti, M.A., D.Sc.; A. G. Narasimhan, M.A., L.T. *Psychol.*—S. Parthasarathy, M.A. *Kannada*—M. R. Sastri, M.A. *Malayalam*—M. N. Sree Devi, M.A. *Tamil*—T. P. Meenakshisundaram, M.A., B.L., M.O.L. *Telugu*—B. Lakshminarain Rao, M.A. *Sanskrit*—K. Raghavan, M.A., L.T. *Zool.*—J. P. Sunder Rao, M.A., M.Sc.; H. Enoch, M.A. 120 other Teachers.

MADRAS, *Queen Mary's College.* (Recognized in Hons. Course in Geog.) Principal—Miss Vijaya Koman, M.A., L.T. *English*—Miss B. Ahalya Bai, M.A., L.T. *Languages*: *Tamil*—Miss R. Rajamani, B.A., L.T.; *Telugu*—.....; *Sanskrit*—Mrs. Devaki K. Menon, B.A.; *Malayalam*—Miss K. Bhanumati, M.A.; *French*—Mrs. D. Stuart, B.A., L.T. *Hindi*—Mrs. P. Mandakini Bai, M.A. *History*—Miss Vijaya Koman, M.A., L.T. *Econ.*—Mrs. L. Kalliyini Kutty, M.A. *Logic*—Mrs. R. Kalpagam, B.A. *Geography*—Mrs. R. Radha, M.A., L.T. *Mathematics*—Miss S. Pankajam, M.A., M.Sc., L.T.; Miss K. Nathaniel, M.A., L.T. *Chemistry*—..... *Physics*—Miss E. T. Rajeswari. *Natural Science*—Miss A. K. Joshua, B.Sc. Lond. *Indian Music*—Mrs. K. Bhanumatiamma, M.A. *Home Science and Household Art*—Stella Doraiswami, M.Sc. Lond.; Mrs. C. S. Ratnam, B.Sc. 64 other Teachers.

MADRAS, *Vivekananda College.* (Recognized in Hons. Courses in Maths., Philos. and Econ.) Principal—N. Sundaram Ayyar, M.A. *Engl.*—N. Ramani, M.A., L.T.; T. S. Devanarayanan, M.A. *Maths.*—N. Sundaram Ayyar, M.A.; T. R. Raghava Sastry, M.A. *Philos.*—P. Sankaranarayanan, M.A., B.L., L.T. *Physics*—M. Narayanamurti, M.A. *Tamil*—C. Jagannathachari, M.A. *Telugu*—N. Bhaktavatsalam, M.A. *Hindi*—K. M. Sridar, M.A. *Chem.*—N. Anatavaidyanathan, M.A. *Botany*—G. Venkataraman, M.A., M.Sc., L.T. *Geog.*—K. Ramamurti, M.A., M.Litt. *Econ.*—V. Ganapati, M.A. *Hist.*—R. S. Chakravarthy, M.A., B.L. *Commerce*—R. Dayanidhi Reddy, B.A., L.T. *Sanskrit*—V. S. V. Raghavachari, M.A. 58 other Teachers.

AFFILIATED HONOURS COLLEGES

TAMBARAM, *Madras Christian College.* (Recognized in Hons. Courses in English Lang. and Lit., Hist. and Econ., Maths., Philos., Phys., Psychol. and Zool.) Principal—Rev. A. J. Boyd, M.A. Glas., D.D. Profs.: *Botany*—K. R. Venkatasubban, M.A., Ph.D. *Chem.*—S. V. Anantakrishnan, M.A., Ph.D. *English Lang. and Lit.*—Rev. A. J. Boyd, M.A. Glas., D.D.; G. C. Martin, M.A. Edin.; Rev. R. S. Macnicol, M.A. St. And. *Economics*—..... *Hist.*—Chandran Devanesan, M.A. Camb. *Maths.*—W. F. Kibble, M.A., Ph.D. Edin.; K. Narasimha Rao, M.A. *Philos.*—S. P. Adinarayan, M.A. Lond.; C. T. Krishmanachari, M.A. *Physics*—M. A. Thangaraj, M.A., Ph.D. Tor. *Zool.*—J. P. Joshua, M.A., Ph.D. Liv. *Sanskrit*—U. Venkatakrishna Rao, M.A. *Kannada*—K. Narasinga Rao, M.A. *Malayalam*—K. M. George, M.A., Ph.D. *Tamil*—P. A. Chettiar, M.A. *Telugu*—P. R. P. Francis, M.A. 56 other Teachers.

TRICHINOPOLY, *St. Joseph's College.* (Affiliated in Hons. Courses in Econ., Hist., Maths., Physics.) Principal—Rev. X. Ehrhart, M.A. Camb. Profs.: *Botany*—Rev. L. M. Balam, M.A. *Chem.*—A. C. Joseph, M.A. *English*—Rev. T. N. Siqueria, M.A. *Hist. and Econ.*—Rev. J. Adisayam, B.A.; Rev. X. Ehrhart, M.A. Camb.; T. Srinivasan, M.A.; A. Hirudayaswami, M.A.

Logic—Rev. A. M. S. Chockiah, Ph.D. Pontifical Gregorian U. *Maths.*—Rev. A. Gonsalves, M.A.; S. Suryanarayana, M.A. *Physics*—Rev. J. B. Rajam, M.A., D. ès Sc. Paris; P. R Subrahmanyan, M.A. *French*—Rev. A. Fournier. *Sanskrit*—V. G. Ayyangar, M.A. *Malayalam*—T. K. Devasia, M.A. *Tamil*—R. Mascarenhas, M.A. 83 other Teachers.

CONSTITUENT FIRST GRADE COLLEGES

MADRAS, *Agurchand Manmull Jain College.* Inter., B.A., B.Com. Principal—S. Narasimhan, M.A. 3 Profs. and 21 other Teachers.

MADRAS, *Ethiraj College for Women.* Inter., B.A. Principal—Srimati Mona Hensman, B.A., M.P. 2 Profs. and 31 other Teachers

MADRAS, *Govt. Arts College.* Inter., B.A., B.Sc. Principal—M. Muhammad Ghani, M.A., L.T 10 Lectrs and 77 other Teachers.

MADRAS, *Stella Maris College.* Inter., B.A., Dip S.S. Principal—Rev. Mother Lillian. 11 Profs. and 32 other Teachers

MADRAS, *Women's Christian College.* Inter., B.A., B Sc. Principal—Eleanor D. Mason, M.A. Radcliffe, Ph.D Harv., D.Sc. 12 Profs. and 36 other Teachers.

MADRAS, *Sir Theagaraya College* Inter, B.A. Principal - M. K. Shanmugam, M.A. 3 Profs. and other Teachers.

AFFILIATED FIRST GRADE COLLEGES

COIMBATORE, *Government College* Inter, B.A., B.Com. Principal—K. P. G. Menon, B.A. Oxon. 8 Lectrs. and 50 other Teachers.

ERNAKULAM, *St. Albert's College* Inter., B.A., B.Sc., B.Com. Principal—L. M. Pylee, M.A., B.L. 4 Profs. and 39 other Teachers.

ERNAKULAM, *St. Teresa's College.* Principal—Sister M. Digna, M.A. 5 Profs. and 22 other Teachers.

FEROKE, *Farook College.* Inter., B.A., B.Com. Principal—Janab C. M. Syed Mohideen Shah, M.A., L.T 3 Profs. and 36 other Teachers.

KARAIKUDI, *Alagappa College.* Inter., B.A., B.Sc., B.Com. Principal—A. N. Tampi, B.A. Oxon., Dip.Edn. 10 Profs. and 62 other Teachers.

KOZHIKODE, *Guruvayurappan College.* Inter., B.A. Principal—N. T. Madhavan Nambiar, M.A., B.Com. 2 Profs. and 30 other Teachers.

KOZHIKODE, *Providence Women's College.* Inter., B.A. Principal—Mother M. Gabrielle, B.A., L.T. 2 Profs. and 8 other Teachers.

KUMBAKONAM, *Government College.* Inter., B.A., B.Sc. Principal—A. Sankaran, M.A., Ph.D. 6 Profs. and 52 other Teachers.

MADURAI, *American College.* Inter., B.A., B.Sc., B.Com. Principal—S. J. Savarirayan, M.A. 7 Profs. and 49 other Teachers.

MADURAI, *Lady Doak College.* Inter., B.A. Principal—Miss E. M. Thillayambalam, A.M., Ph.D. Col., M.Sc. Alld. 6 Profs. and 28 other Teachers.

MADURAI, *Madura College.* Inter., B.A., B.Sc., B.Com. Principal—T. T. Ayyangar, M.A. 7 Profs. and 54 other Teachers.

MADURAI, *Thiagarajar College.* Inter., B.A. Principal—I. N. Menon, M.A., B.Litt. Oxon. 8 Profs. and 33 other Teachers.

MANGALORE, *Government College*. Inter., B.A., B.Com. Principal—..... 5 Profs. and 49 other Teachers.

MANGALORE, *St. Agnes' College*. Inter., B.A. Principal Mother M. Vera, M.A. 5 Profs. and 24 other Teachers.

MANGALORE, *St. Aloysius' College*. Inter , B.A., B.Sc., B.Com. Principal—Rev. E. J. Jacques, M.A. Lond. 7 Profs. and 58 other Teachers.

MERCARA (COORG), *Government College*. Inter., B.A. Principal—K. P. A. Pillai, M.A. 5 Profs. and 20 other Teachers.

PALAMCOTTAH, *St. John's College*. Inter., B.A Principal—J. Vedasiromani, B.A., B.L. 3 Profs. and 34 other Teachers.

PALAMCOTTAH, *St Xavier's College* Inter., B.A. Principal—Rev. K. A. Soosai, M.A. 3 Profs. and 42 other Teachers.

PALAMCOTTAH, *Sarah Tucker College* Inter., B.A. Principal -Dora David, M.A., L.T. 4 Profs. and 21 other Teachers.

PALGHAT, *Government Victoria College*. Inter., B.A , B.Sc. Principal—P. Kochunni Pannikar, M A., L.T. 8 Profs. and 83 other Teachers.

PUDUKKOTTAI, *The Raja's College*. Inter., B.A., B.Com. Principal—T. S. B. Avvar, M.A., L T. 5 Profs. and 28 other Teachers.

SALEM, *Salem Municipal College*. Principal—N. Srinivasan, M.A. 4 Profs. and 39 other Teachers.

SIVAGANGA, *Rajah Doraisingham Memorial College*. Inter , B.A. Principal —B. S. Dhandapani, M.A. 2 Profs. and 21 other Teachers.

TELLICHERRY, *Government Brennen College*. Inter., B.A. Principal—..... 4 Profs. and 33 other Teachers.

THEVARA, *Sacred Heart College*. Inter., B.A., B.Sc., B.Com. Principal—Rev. Theobald, M.Sc. 8 Profs. and 57 other Teachers.

TIRUCHIRAPALLI, *Holy Cross College*. Principal—Sister Philomena, M.A. 7 Profs. and 33 other Teachers.

TIRUCHIRAPALLI, *Jamal Mohamed College*. Inter., B.A., B.Com. Principal —M. J. Mohamed Sayeed, M.A. 3 Profs. and 45 other Teachers.

TIRUCHIRAPALLI, *National College*. Inter., B.A., B.Com. Principal—S. Thothadri, M.A. 6 Profs. and 48 other Teachers.

TIRUNELVELI, *Hindu College*. Inter., B.A. Principal—A. Gnanamuttu, M.A. 3 Profs. and 31 other Teachers.

TIRUPATTUR, *Sacred Heart College*. Inter., B.A. Principal—Rev. J. Med. 2 Profs. and 14 other Teachers.

TRICHUR, *St. Mary's College*. Inter., B.A. Principal—Sister Annunciata, B.Sc. 3 Profs. and 28 other Teachers.

TRICHUR, *St. Thomas' College*. Inter., B.A., B.Sc. Principal—Rev. J. Kallingal, M.A. 5 Profs. and 43 other Teachers.

TRICHUR, *Sree Kerala Varma College*. Inter., B.A., B.Com. Principal—A. V. Akhileswara Iyer, M.A. 7 Profs. and 33 other Teachers.

TUTICORIN, *St. Mary's College*. Inter., B.A. Principal—Sister Arokia Mary, M.A., B.T. 3 Profs. and 21 other Teachers.

TUTICORIN, *V. O. Chidambaram College*. Inter., B.A. Principal—A. Srinivasaraghavan, M.A. 3 Profs. and 28 other Teachers.

UDIPI, *Mahatma Gandhi Memorial College.* Inter., B.A. Principal—H. Sunder Rao, M.A. 2 Profs. and 25 other Teachers.

VANIYAMBADI, *Islamiah College.* Inter., B.A., B.Com. Principal—Saiyid Abdul Qadir, M.A., L.T. 3 Profs. and 25 other Teachers.

VIRUDHUNAGAR, *Senthikumara Nadar College.* Inter., B.A., B.Com. Principal—P. Thangarajan, B.Sc. 4 Profs. and 28 other Teachers.

CONSTITUENT SECOND GRADE COLLEGE

MADRAS (ROYAPETTAH), *The New College.* Inter. Principal—J. Franco, O.B.E., M.A., L.T. 24 other Teachers

AFFILIATED SECOND GRADE COLLEGES

BELLARY, *Veersaiva College.* Inter. Principal—D. Mariappa, M.A., L.T. 17 other Teachers.

COIMBATORE, *Nirmala College for Women.* Inter. Principal—Sister M. Josephine, M.A., L.T. 16 other Teachers.

ERODE, *Mahajana College.* Inter. Principal—C. D. Rajeswaran, B.Sc. Lond. 9 other Teachers.

KANCHEEPURAM, *Pachaiyuppa's College.* Inter. Principal—M. Shammukhasundara Mudaliar, M.A., L.T. 17 other Teachers.

KARAIKUDI, *Alagappa Women's College.* Inter. Principal—Mrs. K. Ranganayaki Amma, M.A., L.T. 12 other Teachers.

KATPADI, *Auxilium College.* Inter. Principal—Sister Juliana Fernandes, M.A. 9 other Teachers.

KOZHIKODE, *Malabar Christian College.* Inter. Principal—V. G. M. Pavamani, M.A., Ph.D., L.T. 13 other Teachers.

MADURAI, *Fatima College.* Inter. Principal—Miss N. Shakunthala, M.A. 15 other Teachers.

TIRUCHIRAPALLI, *Sitalakshmi Ramaswami College.* Inter. Principal—Mrs. J. Chellam, M.A. 12 other Teachers.

UDUMALPET, *G.V.G. Visalakshi College for Women.* Inter. Principal—Miss P. Adiseshayya, M.A. 10 other Teachers.

VELLORE, *Voorhees College.* Inter. Principal—S. Jesuratnam, B.A., B.Sc. 26 other Teachers.

CONSTITUENT PROFESSIONAL COLLEGES

Engineering

GUINDY, *College of Engineering.* B.E. Principal—Lt.-Col. S. Paul, B.E. Profs.: *Civil Engin.*—P. R. Ramaswami, B.Sc. Manc.; P. N. Damodaran, B.E. *Electr. Engin.*—..... *Maths.*—Sri Mir Shabeer Hussain, B.A., B.T. *Mech. Engin.*—S. P. Vores, B.E. *Telecom. Engin.*—K. S. Hegde, B.E. 12 Instrs. and 50 other Teachers.

Law

MADRAS, *Law College.* B.L. Dir. of Legal Studies—C. Kunhi Raman, B.A., B.L. Profs.: G. C. V. Subha Rao, B.Sc., M.L.; M. A. Azeem. Other

Lectrs.—B. Lakkapparai, B.A., B.L.; S. V. Venugopalachari, B.A., B.L.; T. P. Gopalakrishnan, B.A., M.L. 9 other Teachers.

Medicine

MADRAS, *Medical College.* M.B., B.S., M.D., M.S., B.S.Sc., B.D.S. and Diploma Courses. Dean—C. K. Prasada Rao, M.D. Profs. and Teachers: *Anæsthesia*—N. Chandrasekaran, M.B., B.S. *Anat.*—K. G. Menon, B.A., M.Sc., M.B., B.S.; T. Janardanam, M.B., B.S. *Bact.*—S. Govindarajah, M.D. *Biochem.*—A. S. Ramachandran, M.B., B.S., M.Sc. *Chem.*—P. Venkata Rao, B.A., M.B., B.S., M.Sc. *Dent. Surg.*—M. G. Rao. *Ear, Nose and Throat*—M. N. Prabhu, M.S. *Hyg.*—T. S. Adisahrahmanyam. *Infec. Dis.*—Abdul Hadi, M.B., B.S. *Med. Jurisp.*—K. C. Jacob, M.B., B.S., M.D. *Med.*—K. S. Sanjivi, M.D.; S. T. Achar, M.D., F.R.C.S.; R. Subrahmanyan, B.Sc., M.D., B.S.; M. G. Prabhu, M.A. *Mental Dis.*—A. S. Johnson, B.A., M.B., B.S. *Obst., Gynæc. and Dis. of Children*—R. K. K. Thampan, B.A., M.B., B.S., D.G.O.; M. K. Krishna Menon, B.A., M.B., B.S., M.D., D.G.O.; Mrs. S. Abraham, M.B., B.S., D.G.O. *Ophthalmol.*—R. E. S. Muthiah, M.B., M.S., D.O. *Orthopædics*—Lt.-Col. V. R. Thayumanaswamy, M.S., F.R.C.S. *Pathol.*—D. Govinda Reddy, M.D. *Pharmaceutics*—A. N. Ratnagiriswararan, M.A. *Pharmacol.*—V. Iswariah, B.A., M.B., B.S., F.R.F.P.S. Glas. *Physiol.*—D. V. Subba Reddi, M.B., B.S., M.Sc. *Radiol.*—K. Manjumath Rai, F.R.C.S., D.M.R. Lond. *Surg.*—R. Mahadevan, M.B., B.S., M.S., F.R.C.S.; M. Krishnamurti, B.Sc., M.B., B.S., M.S.; C. S. Sadasivan, M.B., B.S., M.S. *Tuberculosis*—Mrs. S. Philip, M.B., B.S. 92 Assistants.

MADRAS, *Stanley Medical College* (Royapuram). M.B., B.S., M.D., M.S. Dean—K. N. Pisharoty, M.D., D.T.M. *Anæsthesia*—M. S. Venugopal, M.B., B.S. *Anat.*—A. Ananthanarayana Ayyar, B.A., M B., B.S., M.Sc. *Bacteriol.*—P. Damodaran, M.B., B.S. *Biochem.*—Nman Verghese, B.Sc., M.B., B.S., M.Sc. *Chem.*—B. S. Srikantan, D.Sc. *Dermatol.*—S. Rajagopalan, L.M.S. *Ear, Nose and Throat*—C. Satyanarayana, M.S., D.L.O. *Hygiene*—N. Parthasarathy, L.M.S., B.S.Sc. *Medicine*—N. Vaidyanthan, M.D. *Obstetrics and Gynæcol.*—P. Madhavan, M.D. *Ophthalmol.*—V. Rangachari, M.S., D.O. *Pathol.*—G. D. Valieth, M.D., M.S., D.T.M. *Pharmacol.*—K. P. Sarathy, M.B., B.S., M.Sc. *Physiol.*—C. Venkataramiah, M.B., B.S., M.Sc. Radiol.; A. N. K. Menon, M.B., B.S. *Surg.*—C. Raghavachari, M.S., F.R.C.S.Ed.; D. S. Ayyar, M.S., F.R.C.S. 62 other Assts., Tutors, etc.

Teaching

MADRAS, *Lady Willingdon Training College.* B.T., M.Ed. Principal—Miss M. Varughese, M.A. Lond. Miss N. Jagathambal, B.A., L.T.; Miss K. Janaki, M.A., L.T.; Mrs. N. Shanmugasundaram, M.A., L.T.; Miss R. Rajaratnam, M.A., L.T.; Miss L. Rangacharlu, B.A., L.T., M.Sc. Col.; Miss E. T. Rajeswari, M.A., L.T. 7 other Teachers.

MADRAS, *Meston Training College.* B.T., M.Ed. Principal—Rev. T. R. Foulger, M.A. Other Profs.: D. T. Chiranjivi, M.A., M.Ed.; M. D. Devadason, B.A., B.Sc., M.Ed.; R. J. Victor, M.A., M.Ed.; Mrs. L. O. R. Joseph, M.A., L.T.; J. Devasahayam, M.A., M.Ed.; A. M. Satya, M.A., L.T. 2 other Teachers.

MADRAS, *St. Christopher's Training College.* B.T., M.Ed. Principal—Miss G. R. Samuel, M.A. Redlands, M.S. S. Calif., L.T. Other Profs.: Mrs. H. S. Charles, M.A., L.T.; Miss E. M. Stokes, M.Sc. Manc.; Miss J. F. Forrester, B.A., Ph.D. Lond.; Miss Suhasini Philip, M.A., L.T.; Miss M. Pushpanathan, B.A., B.T.; Miss C. Roberts, M.A., L.T.; Miss D. M. Pearson, M.A. 2 other Teachers.

SAIDAPET, *Teachers' College.* B.T., M.Ed. Principal—T. P. Santhanakrishna Nayudu, B.A., L.T. Other Profs.: V. S. Ramanujam, M.A., L.T.; S. Ramaswami, M.A., L.T.; N. Krishnaswami, M.A., L.T. 15 other Teachers.

Veterinary

MADRAS, *Madras Veterinary College.* B.V.Sc. Principal—B. A. D'Souza, B.V.Sc. *Anat.*—D. Mariappa. *Animal Genetics*—M. Dharmarajan, M.A., M.Sc., Ph.D. Liv. *Animal Husbandry*—C. Krishna Rao, B.V.Sc., M.S. Calif. *Animal Nutrition*—V. Mahadevan, M.A., D.Sc. Paris. *Hygiene*—I. D. Manthiramurthy, B.V.Sc., M.Sc. *Parasitol.*—G. Ramanujachari, B.Sc., B.V.Sc. *Bacteriol.*— ..... *Pathol.*—K. P. Chandrasekharan, B.V Sc. *Physiol.*—K. N. Govindan Nair. *Pharmacol.*—C K. Velayudham. *Surg.*—M. N. Menon, B.V.Sc. 25 Asst. Lectrs.

AFFILIATED PROFESSIONAL COLLEGES

Agriculture

COIMBATORE, *Agricultural College.* B Sc. (Ag.), Dip. in Horticulture. Principal—R. Balasubrahmanyam, B.A., B.Sc. (Ag.). Lectrs.: *Agric.*—P. A. Venkateswaran, B.A., B.Sc. (Ag.). *Animal Hygiene*—F. Joseph. *Bot.*—C. R. Mudaliar, M.A. *Chem.*—M. Sanyasi Rao, M Sc. Wis. *Engin.*—N. S. Reddi, B.E. *Horticult.*—U. N. Rao, B.Sc. (Ag.). 40 Assistants.

Engineering

COIMBATORE, *Govt College of Technology.* B E. Principal -Major B. H. Marley, B.E. Other Profs.: *Civil Engin.*—V. Kalyanaraman, B E., M.A.Sc. Tor., M.A.Sc.E. *Electr. Engin.*—A. Srinivasan, M.Sc. (Elec.). *Mech. Engin.*—K. A. Nair, B.E., M.S 5 Instrs. and 25 Assts

KARAIKUDI, *Dr. Alagappa Chettiar College of Engineering and Technology.* B.E. Principal—D. S. Venkanna, B.Sc., B.E. 14 other Teachers.

PEELAMEDU (Coimbatore Dept.), *P.S.G. & Sons Charities College of Technology.* B.E. Principal—G. R. Damodaran, B.Sc. (Elect.), B.Sc. (Mech.) Durh. (also Prof. of Elect. Engin.). *Civil Engin.*—K. Subbiah, B.E. *Electr. Engin.*—P. Krishnamacharlu, B.E., M.Sc. Cal Tech. *Maths.*—S. Krishnan, M.A. 5 Lectrs. and 12 other Assts.

Medicine

MADURAI, *Madurai Medical College.* M.B., B.S. Principal—Mrs. Sarah J. Souri, M.B., B.S., Ph.D. Glas., D.G.O. *Biochem.*—A. N. Ramanathan, M.B., B.S., M.Sc. *Physiol.*—C. Venkataramiah, M.B., B.S., M.Sc. 7 other Teachers.

VELLORE, *Christian Medical College.* M.B , B.S., M.D., M.S. Principal—P. Kutumbiah, B.A., M.D. *Anæthesia*—Gwenda Lewis, B.Sc., M.B., B.Ch. Wales, D.A. *Anat.*—L. Chacko, M.B., B.S., M.Sc., D.Phil. *Bacteriol.*—Ruth M. Meyers, Ph.D. Chic. *Ear, Nose and Throat*—Mrs. Bernadine, B.A. Mich., M.D. Chic., F.R.C.S.Can. *Medicine*—K. I. Vytilingam, M.D. *Medical Jurisprudence*—M. Asirvatham, B.A., M.B., B.S., Ph.D. Chic. *Obstetrics and Gynæcol.*—Carol E. Jameson, B.A., M.D., F.A.C.S., F.R.C.S. *Ophthalmol.*—C. Rambo, M.D., F.A.C.S.; E. Roy, M.B., B.S., D.O. Lond. *Pathol.*—E. W. Gault, B.Sc., M.D., M.S., F.R.A.C.S. *Pharmacol.*—J. C. David, M.B., B.S., Ph.D. Edin. *Physiol.*—D. M. Jefferson, B.A., M.D., M.Sc. Manc. *Radiol.*—Ida B. S. Scudder, B.A., M.D., D.M.R.E. Camb. *Surgery*—J. S. Carman, A.B., M.D., F.R.C.S. 58 Assts.

Nursing

VELLORE, *School of Nursing.* B.Sc. (Nursing). Dean—Florence Taylor, M.A., M.Sc. 30 other Assts

Teaching

KARAIKUDI, *Dr. Alagappa Chettiar Trg. College.* B.T. Principal—P. Duraikannoo, M.A., L.T. Profs.: S. Thiruvenkatachari, M.A., M.Ed.; V. N. Subrahmanyan, B.A., L.T. 8 other Teachers.

KOZHIKODE, *Govt. Trg. College.* B.T. Principal—Mrs. Devaki Damodaran, M.A., L.T. Profs.: H. S. S. Lawrence, M.A., Ed.D.; V. P. K. Nair, M.A., L.T. 14 other Teachers.

MANGALORE, *Govt. Trg. College.* B.T. Principal—B. R. Bahga, M.A., L.T. Profs.: O. S. Anchan, M.A., L.T.; S. M. Krishnan, M.A., B.T. 10 other Teachers.

MANGALORE, *St. Ann's Trg. College.* B.T. Principal—Sister M. Carmelita, M.A., L.T. Other Profs.: Mother M. Gertrude, B.A., L.T.; Sr. M. Gisella, M.A., L.T.; B. Rao, B.A., L.T. 7 other Teachers.

PALAYAMKOTTAI, *St. Xavier's Trg. College.* B.T. Principal—Rev. A. Bonhoure. Profs.: Rev. W. Utard, M.A., D.D.; S. Antoni Pitchai, M.A., L.T.; S. V. Subbayyar, M.A., L.T. 5 other Teachers.

PERIYANAICKENPALAYAN (Coimbatore Dept.), *Sri Ramakrishna Vidyalaya Teachers' Trg. College.* B.T. Principal—K. Arumachalam, M.A., Ed.D. 7 other Teachers

APPROVED INSTITUTIONS

Fine Arts

MADRAS, *Kalakshetra,* Adyar. Recognized for Sangita Siromani course. Principal—B. S. Krishnamurti Sastrigal 5 other Teachers.

Oriental Learning

Two Institutions in Madras and 23 in the Mofussil are recognized as qualified to provide instruction for the Oriental Titles.

Physical Education

MADRAS, *Y.M.C.A. College of Physical Education* (Saidapet). Recognized for Dipl. Course in Phys. Educn. (Dip. P.E.). Principal—C. C. Abraham, B.A., M.P.E. 5 other Teachers.

GENERAL INFORMATION

This Univ., founded in 1857, was reorganized in 1923 as a Teaching and Residential Univ., and it continues to exercise control over the quality of the teaching given by its constituent and affiliated colleges. The Vice-Chancellor is a whole-time salaried officer. The authorities of the Univ. include a Senate, Syndicate, Academic Council, Faculties and Boards of Studies.

Laboratories for research in Zool., Bot., Phys., Geol., Org. Chem., Biochem., Physical and Chem. Technol. are provided. There are also Depts. of study and research in the following subjects: Anthropol., Indian Hist. and Archæol., Indian Econ., Indian Philos., Psychol., Maths., Statistics, Geog., Politics and Pub. Admin., Constitl. and Internat. Law, Sanskrit, Tamil, Telugu, Kannada, Malayalam, Hindi, Arabic, Persian and Urdu, and Indian Music.

The usual LANGUAGE OF INSTRUCTION is English.

FACULTIES AND PRESIDENTS. *Art*—Rev. A. J. Boyd, M.A., D.D.; *Sci.*—T. S. Sadasivan, M.Sc., Ph.D.; *Law*—C. Kunhiraman, B.A., B.L.; *Med.*—C. K. Prasada Rao, M.D.; *Engin.*—Lt.-Col. S. Paul, B.E.; *Technol.*—M. A. Govinda Rao, M.A., Ph.D.; *Teaching*—Rev. T. R. Foulger, M.A.; *Agric.*—B. M. Lakshmipathi, M.E.; *Vet. Sci.*—.....; *Commerce*—P. D. S. Mudaliar, B.A.; *Oriental Learning*—T. M. N. Pillai, M.A., B.L.; *Fine Arts*—P. Sambamurti, B.A., B.I.

ADMISSION. The minimum qualification for entrance to Univ. other than Professional Courses is the Matricn. examn. and such other examn. held under the auspices of a Univ. or Public Body as are recognized by the Univ. Also the certificate issued under the S.S.L.C. Scheme in accordance with rules framed by the Univ.

Except for *bona fide* Teachers in institutions within the Univ. area, candidates are not admitted to any of the examns. without undergoing the prescribed course of study in a college.

DEGREES. B.A., B.A. (Hons.), M.A., M.Litt., Ph.D., D.Litt.; B.L., M.L., LL.D.; B.Sc., B.Sc. (Hons.), M.Sc. (by Examn.), M.Sc., Ph.D., D.Sc.; B.E.; B.Com.; B.Com. (Hons.); B.Sc. (Ag.); B.V.Sc.; M.B., B.S., M.D., M.S., B.S.Sc. (San.Sci.), B.Pharm.; B.D.S., B.Sc. (Nursing); Bachelor of Indian Medicine (B.I.M.); B.Sc. (Tech.); B.O.L., B.O.L. (Hons.), B.T., M.Ed.; B.Mus.

DIPLOMAS. Anthropology, Modern European Languages (French and German), Librarianship, Journalism, Gynæcology and Obstetrics, Venereology, Dermatology, Ophthalmology, Oto-Rhino-Laryngology, Radiology, Orthopædics, Tuberculosis, Physical Education, Soc. Service, Analyt. Chem., Hortic., 1 yr.; Economics, Politics and Public Administration, Indian Music, 2 yrs.

ORIENTAL TITLES. Siromani, Vidvan, Afzal-ul-Ulama, Munshi-i-Fazil, Abidi-i-Fazil, Tabib-i-Kamil, Afzal-ul-Attibba, Malpan and Soppar, Sangita Siromani (4 yrs.).

RECOGNITION of examns. of other Univs. is not granted in general terms. The Syndicate deals with each application on its merits.

FEES for Univ. examns. range from Rs. 5 to Rs. 250. Fees levied by Colls. vary from Rs. 42 to Rs. 80 per term, according to courses. Fees levied by the Univ. for Dipl. Courses vary from Rs. 15 to Rs. 100.

RESIDENCE, ETC. Minimum cost of board and lodging for students living in European style, Rs. 100 p.m.; Indian, Rs. 60 p.m. A Students' Club, started under the auspices of the Madras Govt. in 1919, provides inexpensive meals and facilities for games and social intercourse irrespective of caste or creed.

UNIVERSITY STUDENTS' UNION. Inaugurated in Nov. 1932 and located in a building in Madras for the benefit of students in Constituent Colleges —giving facilities for games—managed by a governing body consisting of the Principals of Constituent Colleges.

PUBLICATIONS. *Calendar*—Vol. I, Administration, Statutes and Ordinances, Constituent and Affld. Colls., Endowments; Vols. II and III, Ordinances and Regns., Syllabuses; *Annual Report*; *Minutes*; *Madras Univ. Journal*; *Annals of Oriental Research.*

THE YEAR 1952–53

CHANGES IN REGULATIONS. Examns.: *Intermediate*: providing for 3 classes of successful candidates instead of 2; *B.A.* (*Hons.*): providing 2 papers in Hist. of India and reducing the optional subjects to one under Br. iii—provision is also made for study of Modern Asian & American Hist. as optional subjects; Statistics made a compulsory subject under Br. iv-Econ.; Hist. of India made a compulsory subject under Br. xiii; *B. Com.* & *B.Com.* (*Hons.*): restricting admission to these courses and examinations to candidates who have taken Elements of Comm. and Accountancy for the Inter.; *M.B., B.S.*: revision of course of study providing for internship, etc.; *B.Sc. Ag.*: revision of the course of study providing for field training; *M.Ed.*: course of study revised, giving more importance to practical training. Introduction of new Dipl. courses in Analyt. Chem., Hortic. and Soc. Service.

STUDENT NUMBERS.

ARTS AND SCIENCE

	Full-Time	*Part-Time*
Men	37,451	430
Women	6,086	25
Total	43,537	455

PROFESSIONAL

	Full-Time	*Part-Time*
Men	4968	..
Women	890	..
Total	5858	..

Oriental Colleges: 1252.

DEGREES. *Agric.*: B.Sc. (Ag.), 55. *Arts*: B.A., 2191; B.A. (Hons.), 294; M.A., 338; Ph.D., 13; M.Litt., 12. *Comm.*: B.Com., 446; B.Com. (Hons.), 18. *Educn.*: B.T., 445; L.T., 25; M.Ed., 11. *Engin.*: B.E., 229. *Law*: B.L., 287. *Med.*: M.B., B.S., 283; M.D., 10; M.S., 4; B.Sc. (Pharm.), 8; B.S.Sc., 1; L.M. & S., 1; B.Sc. (Nursing), 15. *Oriental Learning*: B.O.L., 19; B.O.L. (Hons.), 4. *Sci.*: B.Sc., 991; B.Sc. (Hons.), 118; M.Sc., 35; D.Sc., 3. *Technol.*: B.Sc. (Tech.), 26. *Vet. Sci.*: B.V.Sc., 55.

TITLES. Oriental Learning, 411.

DIPLOMAS. French and German, 14; Econ., 2; Indian Music, 19; Politics and Public Admin., 6; Librarianship, 13; Journalism, 3; Physical Educn., 13; Statistics, 18; Anthropol., 2; Gynæcol. and Obstet., 9; Ophthalmol., 4; Tuberculosis, 3.

[*Information compiled as at 23/7/54.*]

UNIVERSITY OF MYSORE*

Founded 1916

Postal Address: Mysore, South India.
Telegrams: Unireg, Mysore.
Telephone: Mysore 677.

CHANCELLOR—HIS HIGHNESS MAHARAJA SRI JAYA CHAMARAJA WADIYAR BAHADUR OF MYSORE, G.C.B., G.C.S.I.

VICE-CHANCELLOR—B. L. MANJUNATH, B.A., M.Sc. Lond., D.Phil. Oxon. (on leave)

ACTG. VICE-CHANCELLOR—V. L. D'SOUZA, B.A., B.Com. Lond.

REGISTRAR—F. J. NORONHA, M.A. Lond.

ASSISTANT REGISTRAR—.....

LIBRARIAN—K. S. MURTHI, B.A.

TEACHING STAFF

Botany

Iyengar, K., D.V., D.Sc.
Prof.-in-charge (CC) †
Nagaraj, M., Ph.D. Chic.
Asst. Prof.
Narayan, K. N., M.Sc., Ph.D.
Asst. Prof. (CC).
Kausik, S. B., D.Sc.
Asst. Prof. (CC).
Annapurna Bai, Miss B. H., M.Sc.
Supernumerary Asst. Prof. (MWCB)

Chemistry

Narayan, G., M.Sc., Ph.D.
Prof. (CC).
Siddappa, S., M.Sc., Ph.D.
Prof. (CC).
Shadaksharaswamy, M., M.Sc., Ph.D.
Prof. (FR.GR.CM.).
Subba Bhatta, K., M.Sc.
Actg. Prof. (FR.GR.CT.).
Venkata Rao, S.
Asst. Prof. and Supdt. I.C. Chit.
Bhaskar, T. D., M.Sc., M.S.
Asst. Prof. (CC).
Lakshminaraniah, N., M.Sc.
Asst. Prof. (FR.GR.CT.).
Siddalingiah, K. S., M.Sc.
Asst. Prof. (CC).
Kasturirangacharya, T. L., M.Sc. (on foreign service)
Asst. Prof.
Hanumanthachari, D. S., M.Sc.
Asst. Prof. (I.C. Mandya)
Iyengar, T. R., M.Sc. (on foreign service)
Asst. Prof.
Adaveesiah, C. N., M.Sc., M.S.
Asst. Prof. (CC).
Ratnamma, H., M.Sc.
Asst. Prof. (MWCB).

Commerce

Mandre, S. R., M.A., B.Com., F.S.A.A.
Prof. and Principal (Com. C.).
Subba Rao, B. R., M.A., Dip.Com.
Prof. (Com.C.).
Rama Rao, S. L., B.Sc. Lond.
Asst. Prof. (Com.C.).

* Member of the Association of Universities of the British Commonwealth.
† (CC) etc.: symbols for reference to the Colleges, see p. 1364.

Srinivasan, V., B.A., B Com.
Asst. Prof. (Com.C.).
Krishnamurti, G N, M.A.
Asst Prof. (Com.Sc.).

Education

Deve Gowda, A C., M.Ed. Leeds, M.A., B.T., Dip Edn.
Principal and Prof (TC).
Rangachar, C, B.Sc., M Ed. Leeds
Prof (TC)
Doreswamy, K. V., M A., B.T.
Asst Prof. (TC).
Gupta, K. R S, B Sc, B.T.
Temp. Asst Prof. (TC)

English

Eagleton, W G, M A Camb (on foreign service) Prof (MC)
Anantharamiah, K, M A.
Prof. (CC).
Narasimhiah, C D., M A. Camb.
Prof (MC)
Krishnaswamy, Mrs S., M.A Lond Principal (MWCB).
Murthy Rao, A. N., M.A.
Supernumerary Prof (CC).
Singh, M E. B, M.A Camb, B.A
Actg Prof (MC)

Assistant Professors

Thiagarajan, V. A., M.A.
(FR GR CT).
Krishna Murthy, S., M.A.
and Supdt. (ICK).
Nambiar, O. K., M.A. (MC)
Shama Rao, B N, M A
and Supdt (I.C Chik.)
Shantaveerappa, S. N., M.A.
(MWCM).
Suryanarayana Rao, N.S, M.A.
Temp Asst. Prof. (FR.GR.CM.).
Subramanyam, D. M, M A
(ICS)
Manjanath, S., M A. (Temp.)
(CC).

French and German

Graefe, Mrs. I., M.A., L.T.
Asst Prof (MWCB).

Geology and Geography

Assistant Professors

Naidu, P. R. J, M.Sc (on foreign service) (CC).
Srinivasa Rao, M. R., M.Sc.
(FR.GR.CM.).
Naidu, M. G. C, M.Sc.
Temp Asst. Prof and Prof in charge (CC)
Ahmed, S. N., M.A., LL.B. (Geog.)
(MC)
Ghori, G K, M Sc, Ph.D. (on foreign service)

Hindi

Nagappa, N, M.A
Asst. Prof. (MC).

History, Economics and Politics

Krishna Rao, M. V, M.A., B.T. (Hist) Prof. (MC).
Srikantiah, L., M.A, M.Sc. Lond. (Pol.) Prof. (MC).
Gopal, M. H., M.A., Ph.D. Lond. (Econ.) (on foreign service)
Temp. Prof (MC)
Hutchappa, G T., M A (Econ.) (on foreign service)
Temp Prof (MC).

Assistant Professors

Jayalakshammanni, M., M.A. (Hist) Principal (MWCM).
Parvathamma, H. M., M.A. (Econ.)
(MWCB).
Nanjundiah, K. S., M.A. (Econ.)
Temp. Asst. Prof. (FR. GR.CT.).
Gopalaswamy, S., M.A. (Econ)
Supdt (ICB).
Ramakrishna Reddy, G., M.A. (Econ) (MC).
Halappa, G. S., M.A. (Pol.)
(MC).
Satyagirinathan, P. G., M.A.
Supdt (ICH).
Srikanta Sastry, S., M.A., D.Litt. (Hist.) (MC).
Vedavalli, M. C., M.A. (MWCB).
Krishnaswamiengar, B. S., M.A.
(MC).

Home Science

Lingiah, B. S., M.Sc., M.S., Ph.D. Asst. Prof. (MWCB).

Indology

Nilakanta Sastry, K. A., M.A. Prof. (MC).

Seshadri, M., M.A., Ph.D. Lond. Asst. Prof. (MC).

Journalism

Murthy, N. K., M.A. Asst. Prof. (MC).

Kannada

Puttappa, K. V., M.A. Prof. (MC).

Assistant Professors

Sitaramaya, V., M.A. (CC).
Srikantiya, T. N., M.A. (ICB).
Narasimhachar, D. L., M.A. (MC).
Bai, D. C., M.A. (MWCB).
Venkataramappa, K., M.A. Temp. Asst. Prof. (ICB).

Mathematics

Professors

Madhava Rao, B. S., D.Sc., F.R.A.S. Principal (CC).
Iyengar, C. N. S., D.Sc. (CC).
Nagappa, P. H., M.Sc. Lond. Principal (WCB).
Ekambaram, S. K., M.A. Camb. (MC).
Iyengar, K. V., D.Sc. (EC).
Noronha, F. J., M.A. Lond.
Iyengar, M. T. R., M.Sc (FR.GR.M.)

Assistant Professors

Iyengar, M. N. N., M.A. (FR.GR.CM.).
Narasimha Murthy, N. K., M.Sc. (CC).
Ramesan, T., M.Sc. (on foreign service) (CC).
Habibullah, M., M.Sc. (CC).
Krishna Sastry, K. V., M.A. (MC).
Iyengar, M. J. N., M.Sc. (CC).
Munigaviappa, M., M.Sc. (ICB).
Kamalamma, K. N., M.Sc. Temp. Asst. Prof. (MWCB).

Philology

Raghavachar, K. V., M.A. Asst. Prof. (MC).

Philos., Psychol. and Logic

Purushottam, T. A., M.A., Ph.D. (Philos.) Prof. and Principal (MC).
Naidu, B. K., M.A., D.Litt. Prof. (MC).
Nikam, N. R. A., M.A. Camb. (Philos.) Supernumerary Prof. (MWCB).

Assistant Professors

Yamunacharya, M., M.A. (MC).
Swamidas, P., M.A. (ICB).
Krishnan, B., M.A. (MC).
Muddalinganna, V., M.A. (MC).
Murthy, C. V. S., M.A. (MWCB).

Physics

Professors

Bondade, S. B., B.A., LL.B., B.Sc. Lond. (CC).
Sibaiya, L., D.Sc. Principal (FR.GR.CM.).
Ramaswamy, S., B.Sc., Ph.D. Lond., F.I.P. (CC).

Assistant Professors

Subbaraya, T. S., D.Sc. (CC).
Venkataramiya, H. S., M.Sc. (CC) and Supdt. (ICD).
Iyengar, K. S., M.Sc., LL.B. Supdt. (ICS).
Sree, R., M.Sc., Ph.D. (on foreign service) (CC).
Ziauddin, S., M.Sc., M.S. (I.C. Chit.).
Kuchela, K. N., M.Sc. (ICD).
Srinivasaraghavan, K., M.Sc. (ICB).
Kathyayini, H. S., M.Sc. (MWCB).
Murthy, S. S., M.Sc. Temp. Asst. Prof. (I.C. Chit.).

Sanskrit

Iyengar, V. T. T., M.A. Asst. Prof. (MC).

Hariyappa, H. L., M.A., Ph.D.
Asst. Prof. (MC).
Sastry, N. S., M.A.
Supernumerary Asst. Prof. (MC)

Tamil and Telugu

Subbaramappa, K., B.A., B.Ed., B.O.L. Asst. Prof. (MC).
Rudrapathi, S., M.A.
Asst. Prof. (CC).

Urdu, Persian, Arabic and Hindi

Khan, K. A., M.A., Ph.D. Camb. (Persian) Prof. (MC).
Majeed, H. R. A., M.A.
Asst. Prof. (MC)

Engineering

Engineering, Civil

Narasimhiah, D. B., B.E., M.S.
Temp. Prof. (EC).
Venkatachala Murthy, H., B.Sc., B.E. Asst. Prof (EC).
Gowda, K. R. B. E. S., M.Sc.
Asst. Prof. (EC).

Engineering, Electrical

Channabasaviah, K., B.E., M.S. (E.E.) Wis.
Prof. and Principal of Engineering Coll.
Raju, W. J. P., B.A., B.E.
Asst. Prof. (EC).

Engineering, Mechanical

Narayana Iyengar, B. R., B.Sc., B.E., S.M. (Mech.)
Prof. (EC).
Gopalakrishna, B. P., B.Sc., B.E.
Asst. Prof. (EC).
Gundu Rao, K. V., B.E.
Asst. Prof. (EC).

Medicine

Professors

Appajee, Y., M.Sc. Lond., B.A., M.B., B.S. Calc.
Dean, Fac. of Med., Principal (Med.C.).

Authikeshavalu, M., M.S., M.B., F.R.C.S.Can.
Pt.-time (Surg.) (Med.C.).
Naidu, V. R., M.B., M.S. (Pathol.)
Pt.-time (Med.C.).
Hanumattekar, S., M.B., B.S. Bom., M.B., B.S.
(Midwif.) Pt.-time.
Sundara Rao, M. B., M.B., B.S., D.O.M.S. Lond.
(Ophthalmol.) Pt.-time (Med.C.).
D'Souza, C., M.B., M.S. (Pathol.), D.B. Manc. (Forensic Med.)
Pt.-time (Med.C.).
..... (Pharmacol.).
Raghunatha Rao, G. S., B.Sc., M.B., B.S., D.Phil. (Pharmacol.) (Med.C.).
Govinda Setty, S. V., B.Sc., M.B., B.S. (Clin. Med.) (Med.C.).
Hiriyannaiya, S., B.A., M.B., B.S. (Physiol.) (Med.C.).
Lingaraju, B. N., M.B., B.S., M.P.H. (Hyg.) (Med.C.).
Urs, B., B.Sc., M.B., B.S., D.T.M. & H. Pt.-time (Med.).
Krishna Murthy, K., M.B., B.S., M.S., F.R.C.S.
Pt.-time Prof. of Clin. Surg. (Med.C.).

Assistant Professors

Venkatashamanna, B.Sc., M.B., B.S. (Hyg.) (Med.C.).
Vasudeva Rao, A., M.B., B.S. (Pathol.) (Med.C.).
..... (Anatomy).
Sheriff, G. A., M.B., B.S. (Anat.) (Med.C.).
Heblikar, K. G., M.B., B.S. (Physiol.) (Med.C.).
Iyengar, N. L. K., B.Sc., M.B., B.S. (Biochem.) (Med.C.).
Sheriff, A. S., M.B., B.S. (Pharmacol.) (Med.C.).
Krishnamurthi, B. N., M.B., B.S. (Surg.) Pt.-time (Med.C.).
..... (Ophthalmol.) (Med.C.).

ADMINISTRATIVE AND OTHER STAFF

Officer in charge of Students' Information Bureau: B. R. Singh, M.A. Camb., M.E. Dir. of Phys. Educn., Central Coll., Bangalore: A. Narayanaswamy, B.Sc. Warden, Maharaja's Coll. Hostel, Mysore: O. K. Nambiar, M.A. Warden, Central Coll. Hostel, Bangalore T. D. Bhaskar, M.Sc., M.S

UNIVERSITY COLLEGES

BANGALORE, *Central College* (CC).* (*Telephone*: 2051.) Principal—B. S. Madhava Rao, D.Sc., F.R.A.S.

BANGALORE, *College of Commerce* (Com.Sc.). Principal—S. R. Mandre, M.A., B.Com., F.S.A.A.

BANGALORE, *Engineering College* (EC). Principal—K. Channabasaviah, B.E., M.S. (E.E.) Wis.

BANGALORE, *Maharani's Women's College* (MWCB). (*Telephone*: 2796.) Principal—Mrs. S. Krishnaswami, M.A. Lond.

BANGALORE, *Medical School* (Med.S.). (*Telephone*: 2477.) Principal—S. Vasudeva Rao, M.B., B.S.

MYSORE, *First Grade College* (FR.GR.CM.). Principal—L. Sibaiya, D.Sc.

MYSORE, *Maharaja's College* (MC) (*Telephone*: 754.) Principal—P. A. Purushottam, M.A., Ph.D. Lond.

MYSORE, *Maharani's College for Women* (MWCM). (*Telephone*: 782.) Principal—Miss M. Jayalakshamnanni, M.A.

MYSORE, *Medical College* (Med.C.). (*Telephone*: 512.) Principal—Y. Appajee, M.Sc. Lond., B.A., M.B., B.S.

MYSORE, *Teachers' College* (TC). Principal—A. C. Deve Gowda, M.Ed. Leeds, M.A., B.T., Dip. Edn.

TUMKUR, *First Grade College* (FR.GR.CT.). Principal-in-charge—K. Subba Bhatta, M.Sc.

INTERMEDIATE COLLEGES

BANGALORE, *Intermediate College* (ICB). (*Telephone*: 2215.) Principal—P. H. Nagappa, M.Sc. Lond.

CHIKMAGALUR, *Intermediate College* (I.C. Chik.) Supt.—B. N. Shama Rao, M.A.

CHITALDRUG, *Intermediate College* (I.C. Chit.). Supt.—S. Venkata Rao, M.Sc.

DAVANGERE, *Intermediate College* (ICD). Supt.—H. S. Venkataramiya, M.Sc.

HASSAN, *Intermediate College* (ICH). Supt.—P. G. Sathyagirinathan, M.A.

KOLAR, *Intermediate College* (ICK). Supt.—S. Krishnamurti, M.A.

MANDYA, *Intermediate College* (I.C. Mandya). Supt.—D. S. Henumanthachari, M.Sc.

SHIMOGA, *Intermediate College* (ICS). Supt.—K. Seshadri Iyengar, M.Sc., LL.B.

* (CC), etc.: symbols for reference to the Colleges in Teaching Staff list, *supra*.

AFFILIATED COLLEGES

BANGALORE, *Agricultural College*. Principal—B. Dasappa, B.A., B.Ag., Ph.D., B.Sc. (Agri.).

BANGALORE, *Basappa Intermediate College*. Principal—P. Mallikarjunappa, M.Sc.

BANGALORE, *B.M. Srinivasiah College of Engineering*. Principal—D. Mukerji, B.E.

BANGALORE, *Law College*. Principal—P. Shiva Shankar, B.A., LL.B.

BANGALORE, *Mount Carmel College*. Principal—M. Antoinette, M.A.

BANGALORE, *National Intermediate College*. Principal—V. Gopalaswami Aiengar, M.A.

BANGALORE, *St. Joseph's College*. Principal—Rev. Father C. Andrade, B.A., Ph.D.

BANGALORE, *Sri Krishnarajendra Silver Jubilee Technological Institute*. Principal—Srinagabhushana, B.Sc., F.T.I.

BANGALORE, *Vijaya College*. Principal—V. T. Srinivasan, M.A.

DAVANGERE, *B.D.T. College of Engineering*. Principal—A. Seshappa, B.E.

MYSORE, *D. Banumiah's College of Commerce*. Principal—B. V. Banumiah, B.A., B.Com.

MYSORE, *National Institute of Engineering*. Principal—S. Ramaswamy, B.A., B.E.

MYSORE, *St. Philomena's College*. Principal—Rev. Father F. Audiau, B. ès L.

MYSORE, *Sharada Vilas Intermediate College*. Principal - M. S. Ramaswamy, M.A.

GENERAL INFORMATION

The University of Mysore was the first University to be founded in the Indian States. The two State Colleges which had long been affiliated to Madras Univ. formed the nucleus of the new University of Mysore. The establishment of the Univ. received the sanction of His Highness the Maharaja of Mysore in 1916. A regulation amending and consolidating the provisions of the Mysore University Regulation V of 1916, as amended from time to time, received the assent of His Highness the Maharaja in 1933, and came into force on July 1, 1933.

The University aims at the unitary type, but there are two Univ. centres, Mysore and Bangalore, one with two and the other with three constituent Colleges, including a Medical College and an Engineering College.

The University is empowered to affiliate Colleges under conditions prescribed in the Statutes and Ordinances.

The principal Univ. authorities are the Senate, the Council, the Academic Council and the Faculties.

The usual LANGUAGE OF INSTRUCTION is English

LIBRARIES. Univ., 62,570 vols.; Oriental, 19,646 vols. and 11,153 MSS. Each Constituent and Intermediate Coll. has its own Library.

FACULTIES AND DEANS. *Arts*, Dr. T. A. Purushottam ; *Education*, Prof. A. C. Deve Gowda ; *Engin. and Technol.*, ... ; *Law*, Dr. C. N. Srinivasaeingar ; *Medicine*, Prof. Y. Appajee ; *Science*, ...

TERMS : June to Oct., Nov. to March.

ADMISSION. Students who have passed the Mysore S.S.L.C. examn. satisfying the differential minima rules, and those who have passed the Matriculation examn. of an Indian Univ. or other examn. recognized by the Univ. Council as equivalent thereto and satisfy the Univ. Council regarding their fitness for admission, are eligible for admission to the Intermediate course. Admission to B.A. or B.Sc. courses is granted only to those who have passed the Intermediate Examn. of this or any other Indian Univ. recognized by the Univ. Council. Admission to the B.Ed. course is granted to those who have taken the Bachelor's Degree in Arts, Comm. or Sci. in this or any other Indian Univ. Admission to the B.E. course is granted only to those who have passed the Intermediate Examn. in Sci. of this Univ. or an examn. of this or any other Univ. accepted by the Univ. Council as equivalent thereto, or to graduates in Arts or Sci. who have passed with Phys., Chem. and Maths. as optional subjects, or graduates with Honours having Maths. and Physics as minor subjects. Admission to the M.B., B.S. course is granted to those who have passed the Pre-Medical Examn. of the Univ. ; admission to the Pre-Medical course is granted only to those who have passed the Intermediate Examn. in Science of this Univ. with not fewer than two of the following subjects : Phys., Chem., Bot. and Zool., or to graduates of this Univ. who have passed with one or more of the above subjects, or to those possessing equivalent qualifications of other Univs. accepted by the Council. Provision has been made for the admission to the M.B., B.S. course of L.M.P. Diploma holders. They will be eligible for admission to the Final Examn. $3\frac{1}{2}$ yrs. after admission. L.M.P. Diploma course open to candidates for the Mysore S.S.L.C. examns. who have been declared eligible for College courses of study, or those who have passed any other examn. accepted by the Univ. Council as equivalent thereto.

DEGREE COURSES. B.A., B.Sc.—2 yrs. ; B.A. (Hons.), B.Sc. (Hons.)—3 yrs. ; B.Sc. Agri., B.Sc. Textiles—3 yrs. after Inter. Examn. ; B.Com.—4 yrs. after S.S.L.C. Examn., 2 yrs. after Inter. Examn. ; B.E.—4 yrs. (successful candidates are eligible to take the degree after a year's practical course in a recognized works or firm) ; M.B., B.S.—$5\frac{1}{2}$ yrs.

POSTGRADUATE DEGREE COURSES. B.Ed.—1 yr. after B.A., B.Sc. ; M.A., M.Sc.—1 yr. after B.A., B.Sc. ; Ph.D.—3 yrs. after Hons. degree or 2 yrs. after Master's degree ; D.Litt., D.Sc.—5 yrs. after Hons. degree or 4 yrs. after Master's degree.

DIPLOMA COURSE. Dipl. in Medical Practice, 4 yrs. after High School.

INSPECTION OF INTERMEDIATE COLLS. not forming part of Constituent Colls. is made by Profs. deputed by the Council.

RESIDENCE. Univ. Hostels at Mysore and Bangalore. The average hostel expenses for 9 mos. are about Rs. 450. Residences of students not living in hostels or with their guardians are inspected by members of Students' Residence Committee.

A REGISTRATION AND STUDENTS' INFORMATION BUREAU was opened in the Univ. office in 1952.

PUBLICATIONS AND EXTENSION WORK. An Extension Lectures Committee arranges an annual programme. During each year a number of lectures are delivered in different parts of the State. Under the auspices of the University

Teachers' Assocn., Extension Lecture camps are arranged each year in the interior of the State and the lectures are published in Kannada in the inexpensive *Extension Lectures Handbook* series. The Univ. encourages the publication of original works, particularly in Kannada. The Kannada Publication Committee arranges for the publication of monographs in Kannada in such subjects as Science, History, Geog., Philos., Literature, Political Econ., Education and Fine Arts, so that teachers and others who know Kannada only may be able to continue their studies in the various branches of modern learning.

The *University Journal* is issued in two parts.

In addition to the *Abstract of Studies,* the Univ. has arrangements for issuing on behalf of each teaching dept. a *bulletin* embodying the results of research or investigation carried on by its members.

THE YEAR 1952–53

PROPOSED NEW COLLEGE, ETC. There is a proposal to open a First Grade Coll. at Bangalore to provide for increase in demand for admissions to B.Sc. course. It is also proposed to improve equipment and accomm. in the existing Inter. and Degree Colls. in the Univ. The up-grading of several Intermediate Colls. in Mysore State, to meet demand for increase in admissions to Degree courses, is under consideration by the Univ.

NEW COURSES. Courses in Home Science and Music have been introduced for both Inter. and Degree classes in Maharani's Women's Coll., Bangalore. Provision has been made for courses in ethics, psychol., biol., pol. sci. and soc. sci. for Inter. classes. For Degree classes hist. of civilization, æsthetics, business admin., soc. admin., public admin., journalism, educn. and law have been introduced. An Hons. course and a postgrad. Dipl. course in indology have been started. B.T. replaced by B.Ed. degree.

STUDENT NUMBERS. Degree Colls., 4301 ; Inter. Colls., 10,517 ; Professional Colls., 4334. Total (including 498 studying for the Dipl. in Med.), 19,152.

DEGREES AWARDED. B.Sc. (Agri.), 18 ; B.A., 139 ; B.A. (Hons.), 88 ; M.A., 35 ; B.Com., 98 ; B.Sc., 305 ; B.Sc. (Hons.), 63 ; M.Sc., 30 ; B.Ed., 45 ; B.E., 170 ; B.L., 25 ; M.B., B,S., 34 ; B.Sc. Text., 22 ; D.Sc., 1.

NAGPUR UNIVERSITY *

Founded 1923

Postal Address: Nagpur, Madhya Pradesh, South India.
Telephone: Nagpur 2382.

CHANCELLOR—H E. THE GOVERNOR OF MADHYA PRADESH.
VICE-CHANCELLOR—Pandit KUNJILAL DUBEY, B A , LL B
TREASURER—S. K. WANKHEDE, B.A.
REGISTRAR—U. MISRA, M.A., LL.B.
DEPUTY REGISTRAR—K. R. PANDYA, M.A.
ASSISTANT REGISTRAR—V. SHANKARAN, M A.
LIBRARIAN—G. S. SHUKLA, M A., LL B.

TEACHING STAFF

Agricultural Chemistry

Shrivastava, R. C., B.Sc. (Tech.) Manc., D.R.T C. Prof (A) †
Misra, R. N., M.Sc. Asst. Prof. (A)
Ballal, D. K., M.Sc. Lectr. (A).
Deshpande, T. L , B Sc (Agr.) Lectr. (A).
Bapat, M. V., M.Sc. Lectr. (A)

Agriculture

Asthana, R. P., M.Sc., Ph.D., D.I.C. Principal & Prof. (A).
Misra, S. K , M.Sc. (Agr.) Asst Prof. (A).

Lecturers (A)

Dhannalal, M.Sc. (Agr)
Dakshindas, D. G., B.Sc. (Agr.).
Sinnarkar, N. P., B.Sc. (Agr.).
Sahasrabudhe, K. R., M.Sc. (Agr.).
Choubey, S. D , B.Sc. (Agr.).
Patil, S. T., M.Sc (Agr.)
Deb, R N.
Ghosh, R. K.
Dani, G. V , M Sc. (Agr.).
Chopde, S R., M Sc (Agr Ex) Mich
Gokhale, V. V , B Sc. (Agr.), B.Sc. (Agr. Engrg.)
Rawat, R. R., B Sc (Agr.)
Kakde, J. R., B.Sc. (Agr.).
Sharma, D. K., B.Sc. (Agr.), M A.

Arabic and Persian

Lecturers (NM)

Rafiuddin, S., M.A., B.Th. Alig
Sharma, A. C., M.A.
Naimuddin, S , M A Lectr. (VM).

Biochemistry

Nath, M. C., D.Sc., F.N.I., F.R I.C. Prof.
Chakravarti, C. H , M.Sc. Lectr.
Hatwalne, V. G , M.Sc. Lectr.
Vaishwanar, Mrs. I , M Sc. Lectr (M).
Pathak, M A , M Sc. (M)

Botany and Plant Pathology

Bhatt, R. S., M.Sc., Ph.D. Asst. Prof. (A).

* Member of the Association of Universities of the British Commonwealth.
† (A), (GSc), etc . ···mbols for reference to the Colleges, v. pp. 1377-1378.

Vaidya, S. B , B.Ag. Lectr. (A).
Pimplikar, E. D , M.Sc. (Agr.) Lectr. (A).
Tatwawadi, G. R , M.Sc. Lectr. (A).
Shukla, V. B., M.Sc , Ph.D. Asst. Prof. (Sc).
Mirashi, M V., M Sc Lectr (Sc)
Tamhane, S. N., M.Sc. Lectr. (Sc).
Hajarnavis, Mrs. L., M.Sc. Lectr. (Sc)
Verma, J. K., M.Sc. Lectr. (Sc).
Chitaley, Mrs S. D , M.Sc. Lectr. (Sc)
Trivedi, Mrs. T K., M.Sc Lectr (Sc)
Nirula, R. L., B Sc , Ph D. Lond., D.I.C Principal and Prof. (VM).
Varadpande, K V., M Sc Asst. Prof. (VM).
Dalal, S. B , M.Sc. Lectr. (VM)
Nagarkar, M , M Sc Lectr (VM)
Deshpande, P. K., M Sc. Lectr. (GSc).
Munshi, K. M., M.Sc Principal & Prof. (GSc).
Vedpathak, D K , M.Sc Lectr (GSc)
Theophilus, S C., M Sc. Lectr. (H)
Bhelwa, P. W., M Sc. Lectr. (H).

Chemistry

Krishnamurti, K., D.Sc. Lond. Principal & Prof. (Sc)
Kappanna, A. N., D.Sc. Dacca Prof. (Sc)
Paranjpe, D. R., M.Sc. Asst. Prof. (Sc).
Chakravarti, D. N., D.Sc. Alld. Asst. Prof. (Sc)
Karbelkar, N. V., M.Sc. Lectr. (Sc).
Asolkar, G V., M Sc Lectr. (Sc).
Joshi, K M., B.Sc. Lectr. (Sc).
Dewagan, A. S., M.Sc. Lectr. (Sc).
Mahalaha, H. L., M.Sc. Lectr. (Sc).
Talaty, E. R., M.Sc. Lectr. (Sc).
Soman, S. V., M.Sc. Lectr. (Sc).
Kane, Y. D., M.Sc. Lectr. (Sc).
Arya, I. D , M.Sc., LL.B. Lectr. (Sc)
Sethi, S. S., M.Sc. (Sc).
Khare, B P , M.Sc. (Sc)
Kale, V. D., B.Sc. Alld. Asst. Prof. (H).
Karmalkar, B. S., M.Sc. Lectr. (H).
Joshi, V. W., M.Sc. Lectr. (H)
Mehta, R. S., M.Sc Lectr. (H)
Namjoshi, S. Y , M.Sc. Lectr. (H)
Deshpande, G. M., M.Sc. Lectr. (C)
Varhadpande, B. N., M.Sc. Lectr. (C).
Bobde, M V., M.Sc. Lectr. (C).
Gokhale, N. L., M.Sc Lectr (C).
Chitale, R P., M Sc (C)
Phatak, V B , M Sc (C)
Sathe, V D., B Sc (C).
Gokhale, L. K., M Sc. Asst. Prof. (VM).
Deoras, B. R , M.Sc. Lectr. (VM).
Parnandiwar, M. D., M.Sc. Lectr. (VM).
Paradkar, M. K., M.Sc. Lectr. (VM).
Khandekar, P. S., M.Sc. Lectr. (VM).
Nigam, K. C., M.Sc. Lectr. (VM).
Kulkarni, D. B., M.Sc. Lectr. (VM).
Dube, Y M , M.Sc (VM)
Tare, V. E., M Sc. Lectr. (GSc).
Deshpande, W. G., M.Sc. Lectr. (GSc).
Naik, M. V., M.Sc. Lectr. (GSc).
Kale, M. V., M.Sc. Lectr. (GSc).
Deshpande, W. G , M Sc. (GSc).
Ketkar, G. R., M Sc. (GSc).
Paranjape, M. V , M Sc. (GSc).

Commerce

Tokhi, M. R., M.A. (Econ.), B.Com., LL.B. Luck. Principal & Prof. (CN)

Chorghade, V. K., M.A.
Asst. Prof. (CN).
Jain, V S., M.Com. Lectr. (CN).
Garge, B. N., M.Com.
Lectr. (CN).
Charde, S. G., M.Com.
Lectr. (CN).
Chanserkar, M. A., M.Com.
Lectr. (CN).
Gupta, G. P , M.Com.
Lectr. (CN)
Jain, R. K., M.Com. Lectr. (CN).
Tandon, R. L., M.Com.
Lectr. (CN).
Kamat, G. S., M.Com.
Lectr. (CN).
Munshi, D. M., M.Com.
Lectr. (CN).
Khare, H K., M.Com
Lectr (CN).
Shah, M. M., M.A , Ph.D. Bom.
Asst. Prof. (CW).
Patwardhan, P. J., M.Com. Bom.
Asst. Prof. (CW).
Chandurkar, V. U., M.A., B.Com.
Asst. Prof. (CW).
Shrinarayan, M. A., B.Com.
Asst. Prof. (CW).
Hatekar, D. J., M.A.
Asst. Prof. (CW).
Bokare, M. G., M.Com., F.R.E.S.
Lectr. (CW).
Vora, R. D., M.Com.
Lectr. (CW).
Vanmali, B. D., M.Com.
Lectr. (CW).
Agarwal, H., M.Com.
Lectr. (CW).
Patil, R. K., M.Com. Lectr. (CW).
Belge, M. W., M.Com.
Lectr (CW).
Pandit, S. B., M.Com
Lectr. (CW).
Deshmukh, N. C., M.Com.
Asst. Prof. (Sh).
Knanolkar, A. L., M.Com.
Lectr. (Sh).
Lanjewar, M. M., M.A., B.Com., LL.B. Lectr. (Sh).
Joshi, R. M., M.A., LL.B.
Lectr. (Sh)
Kale, W. S., M.Com. Lectr. (Sh).
Dhotey, M. G., M.Com.
Lectr. (Sh).
Tatte, R. G., M.Com. Lectr. (Sh).
Patil, P. A., M.Com., LL.B.
Lectr. (Sh).
Dubey, M. G., M.Com
Lectr. (Sh).
Sony, R. G., M.Com., LL.B.
Lectr. (Sh)
Pawar, R. K., M.Com., LL.B.
Lectr. (Sh).

Economics

Bal, S. D., M.A., LL.B.
Lectr. (NM).
Chaube, K. P., M.A.
Lectr. (NM).
Pimparkar, G. P., M.A.
Lectr. (NM).
Deshmukh, Miss K. B., M.A.
Lectr (NM).
Dabadghao, D B., M.A.
Lectr (NM).
Gimi, J. F., B.A. Lectr. (H).
Singh, V. D., M.A. Lectr. (H).
Nanekar, K. R., M.A. Lectr. (H)
Kshirsagar, M. G., M.A.
Lectr (N).
Munje, B. H., M.A.
Asst. Prof. (C)
Deshpande, S. A., M.A.
Lectr. (C).
Fadnavis, P. K., M.A Lectr. (C).
Joshi, Miss S., M.A. Lectr. (W).
Iyengar, Miss S., M.A L T.
Lectr. (W).
Shukla, M. L , M.A. Lectr. (VM).
Lothe, A N., M.A Lectr. (VM).
Gore, S. D., M.A. Lectr. (VM).
Jagirdar, P. J., M.A.
Asst. Prof. (Sh).
Kharche, R. N., M.A.
Lectr. (Sh).
Dikshit, Miss L., M.A
Lectr. (Sh).
Page, R. K., M.A., LL.B.
Lectr. (SA).

Choudhari, M. R., M.A. Lectr. (R).
Joglekar, N. M., M.A. Asst. Prof. (A).
Chorghade, V. K., M.A., M.A. (Econ.), B.T. Asst. Prof. (CN).
Shah, M. M., M.A. (Econ.) Bom. Asst. Prof. (CW).
Hatekar, D. J., M.A. Lectr. (CW).
Vora, R. D., M.Com. Lectr. (CW).
Agarwal, H., M.Com. Lectr. (CW).
Joshi, R. M., M.A., LL.B. Lectr. (Sh).

Education (UTC)

Varma, M. A., B.Ed. Edin., M.Ed. Principal.

Lecturers

Dakshindas, R. V., B.Sc., M.Ed., LL.B.
Karkare, M. G., M.A., B.T.
Agnihotri, P. N., M.A., L.T.
Puranik, G. A., B.A., B.T.
Muley, R. S., M.A., M.Ed.
Joshi, Mrs. Y., M.A., B.T.
Kashyap, Miss A., M.A., L.T.

Engineering (E)

Tilloo, K. N., B.Sc. (Mech. & Elec. Eng.) Principal.
Buldeo, R. G., B.Sc. (Eng.) Manc. Asst. Prof.
Dwarkanath, V. R., B.Sc., B.E. Asst. Prof.
Jayavidyacharya, C., B.Sc., B.E. Asst. Prof.
De, K. C., Dip.C.E. Lectr.
Mitra, S. K., Dip.C.E. Lectr.
Tamaskar, D. G., B.Sc. (Eng.) Asst. Prof.
Bhattacharya, R. L., B.E. (Elec.).
Pandit, G. S., B.E. Lectr.
Ghosh, A., B.Sc. (Eng.) Ban. Asst. Prof.
Joshi, M. G., B.Sc. (Eng.) Asst. Prof.
Khare, D. C., B.Sc., B.Sc. (Tech.) Lectr.
Kulkarni, H. S., B.Sc., B.Sc. (Tech.) Lectr.
Shukla, T. N., M.Sc., B.T. Lectr.
Ratnam, P. V., M.Sc. Lectr.
Moharir, S. K., B.Sc. Lectr.
Joshi Rao, G. K., M.A., B.T. Asst. Prof.
Pathak, M. P., B.Sc., B.E. Asst. Prof.
Deshpande, G. K. Lectr.
Dehadrai, V. B. Lectr.
Dave, M. K., Dip.Arch. Asst. Prof.
Nipane, G. P. Lectr.
Ramchandra, S. N., B.E. Asst. Foreman.
Pralhad, S., B.Sc., B.E. Asst. Prof.
Tikekar, V. V. Lectr.
Chatterjee, A. R., Dip. Art. Lectr.
Joshirao, B. K., Dip. Arch. Arch. Draftsman.

English

Mitra, M. N., M.A. Dacca Asst. Prof. (NM).
Guha, R. C., M.A. Dacca Asst. Prof. (NM).
Deshpande, Mrs. K., B.A. Lond. Asst. Prof. (NM).
Vaidya, K. M., M.A. Asst. Prof. (NM).
Parulkar, K. K., M.A. Lectr. (NM).
Ghoshal, N. N., M.A. Lectr. (NM).
Verma, R., B.A. Lectr. (NM).
Thanekar, P. N., M.A., LL.B. Lectr. (Sc).
Purohit, K. J., M.A. Lectr. (Sc).
Wanmali, V. R., M.A. Lectr. (Sc).
Adhikari, Mrs. M., M.A. Lectr. (Sc).
Shivaraman, Miss V. P., B.A. Lectr. (Sc).
Ahuja, Mrs. P., M.A. (Sc).

Joseph, W N, M A. Lectr. (H)
Ward, Miss M C. L., B.A., T D. Lond Lectr (H).
Abraham, N, B A Lectr. (H).
George, A G, M A Lectr (H).
Das, S. P, M.A. Lectr (H)
Masoji, Miss A., M A Lectr (H)
Virdi, D. S., M A. Asst. Prof. (C).
Roy, R. N., M.A. Lectr. (C).
Das Gupta, H., M.A. Lectr. (C).
Sen, Miss A., M.A. Lectr. (C).
Dabir, W M, M A. Lectr. (C).
Vaidya, M. S., M.A. Lectr. (C).
Chatterjee, B P, M.A Lectr. (C)
Deshmukh, D G, M A. Lectr (C).
Saldanha, Miss M A. Asst Prof (W)
Madura, Miss S, B.A, B T. Lectr (W)
Kappanna, Miss S, M A. Lectr (W)
Sen, Mrs S, M A Lectr (N)
Chatterji, T. K., M.A. Lectr. (N).
Sahu, Miss S. R., M A. Lectr. (N)
Sengupta, A. K., M.A. Lectr. (CN).
Ram, B., M.A. Lectr. (CN).
George, S. K., M.A. Lectr. (CW).
Shrivastava, P. N., M.A., LL.B. Asst. Prof. (VM).
Pande, R. P., M.A. Alld. Lectr. (VM).
Khera, T. R., M.A. Lectr. (VM).
Pandit, V. N., M.A. Lectr. (VM).
Shende, D. K., M.A. Lectr. (VM).
Verma, N. S., M.A. Lectr. (VM).
Eashwaran, E., M.A., LL.B. Lectr. (VM).
Kate, L. M, M.A Lectr (VM).
Rama Rao, B., M.A. Lectr. (Sh).
Raman, K. N., M.A. Lectr. (Sh).
Subba Rao, V., M.A. Asst. Prof. (Sh).
Chitnis, R. M., M.A., LL.B. Lectr. (Sh).
Adawadkar, P G, M A Lectr (Sh)
Soman, R V., M.A. Asst. Prof (SA).
Srinivasan, M. R, M.A. Lectr. (SA)
Urdhwareshe, P W, M.A Lectr (GSc)
Widwans, D G., M A. Lectr. (GSc)
Naik M V, M A Lectr (R)
Joglekar, N. M., M.A. Asst. Prof. (A).

Geography

Mukerjee, S, M A Lectr (NM)
Bidwai, B. K, M A. Lectr. (VM)
Lingiah, Miss E. V, M A. Lectr. (NM).
Narkhede, D G, M A. Lectr (NM).
Misra, D, M A Lectr (NM)
Gupta, M L, M A Lectr (NM)
Shrivastava, J B, M A Lectr (NM).
Bidwai, B K, M A Lectr (VM)
Jain, N. G, M A Lectr (VM)

Geology

Sripada Rao, K., M Sc, F.G.S. Reader
Pande, P C., M.Sc. Lectr.
Dekate, Y G., M.Sc. Lectr.
Kulkarni, P. H, M.Sc. Lectr.

Hindi

Tiwari, S. P., M.A., LL.B. Agra Lectr. (NM).
Borgaonkar, Mrs. S, B.A. Lectr. (NM).
Shrivastava, V. P., M.A. Lectr. (H).
Singh, J. S. M., M.A. Lectr. (H).
Gupta, G. N., M A. Lectr. (C).
Potdar, Miss T., M.A. Lectr. (W).

History

Sinha, H. N., M.A. Alld., Ph.D. Lond. Principal & Prof. (NM).

Sinha, R. M , M A , LL.B.
Asst. Prof. (NM).
Buradkar, M P., M A., Ph.D.
Lectr. (NM).
Budholia, K. K., M.A.
Lectr. (NM).
Avasthi, A., M.A. Lectr. (NM).
Sharma, Miss K., M.A.
Lectr. (H).
Pahade, J. S., M.A., B.T.
Asst. Prof. (C).
Kothare, Miss S. S., M.A
Lectr (C)
Telang, P. S , M A Lectr. (VM).
Deoras, V. R., M.A., Ph.D.
Lectr. (VM)

Law

Saranjame, R B R. D., B.A , LL B.
Vice-Principal & Prof (Sh)

Lecturers (Sh)

Sagane, M. D , M.A , LL B.
Shidore, D. V., M A., LL.B.
Deshpande, G. T., M.A., LL B.
Chaubal, V. B., B.A., LL B.
Sarfuddin, M , B.A., LL.B.
Agrawal, N. S., B.A., LL.B.
Bobde, G. C., B.A., LL.B.
Sinha, D. R , B.A., LL.B.

Lecturers (LC)

Badkas, G B , M A , LL B.
Principal
Kedar, V T , B A
Abhyankar, N L , B A , LL B
Bhave, R J., B.A., LL B
Chaube, A R , B.A , LL M
Padhye, D. B , B Sc , LL B.
Sanghi, V K., B.Sc., LL.B

Local Self-Govt. and Pub. Admin.

Sharma, M. P , M.A , D.Litt.
Hd. of Dept.
Mangrulkar, Y. B , M B., B.S., D.P.H. Pt.-time Lectr.
Singh, V., B.Sc. (Eng.)
Pt.-time Lectr.
Bhedesgaonkar, V. K., B.E.
Pt -time Lectr.
Mishra, P N , B Com., LL.B.
Pt.-time Lectr.
Sinha, R. M., M.A., LL.B.
Pt.-time Lectr. (NM).
Awasthi, A., M.A.
Pt.-time Lectr. (NM).
Murti, V. S., M A.
Full-time Lectr.

Marathi

Kolte, V. B , M.A., LL.B., Ph.D.
Asst. Prof. (NM).
Deshmukh, M G., M.A., Ph.D., LL.B. Lectr. (NM).
Pendse, S. D., M.A., M.O.L., Ph.D.
Asst. Prof. (H).
Deshpande, A. N , M.A.
Lectr. (H).
Shelke, Miss S , M A (H).
Sawalapurkar, P. K., B.A. Bom.
Asst Prof. (C).
Kulkarmi, S. M., M.A.
Asst. Prof. (C)
Pandharipande, S. L., M A
Principal & Prof. (C)
Marathe, Mrs. K , M.A.
Lectr. (W)
Pathak, Y. M., M.A., LL.B.
Asst. Prof (N).
Natu, Mrs M G , M A
Lectr. (VM).
Pandit, B S , M A Lectr. (VM).
Peshkar, K V , M A
Lectr. (VM).
Vyawahare, M L , M A
Lectr (Sh).
Atarde, S. H., M.A Lectr. (Sh).
Kelkar, N. R., M.A. Bom , B.T.
Lectr. (SA).
Mohogaonkar, V. P., M.A., LL.B.
Principal & Prof. (R).

Mathematics

Shrikhande, S. S., M.Sc.
Lectr. (Sc)
Thosar, Y. V., M.Sc. Lectr. (Sc).
Mishra, S. D., B.Sc. Lectr. (Sc).
Jain, L. C , M.Sc. Lectr. (Sc).
Patwardhan, G. K., M.Sc.
Lectr. (Sc).
Sharma, S. K , M.Sc. Lectr (Sc).

Chandy, P. J., M.A. Madr.
Asst. Prof. (H).
Kane, P. W., M.Sc. Lectr. (H).
Kulkarni, R. S., M Sc.
Lectr. (H)
Mutatkar, V. L., M.A., B.Sc.
Asst. Prof. (C).
Daftari, D. K., M.Sc. Lectr. (C).
Mangalgiri, S. R., M.Sc.
Lectr. (C).
Shastri, N. A , M.Sc
Asst. Prof (VM)
Phansalkar, J. R., M.Sc.
Lectr. (VM).
Kshirsagar, N. S., B.Sc.
Lectr. (VM).
Pandit, P. B., M.A. Lectr. (VM).
Deshpande, V. T., M.Sc.
Lectr. (VM).
Mahajan, V. T., M.Sc., LL.B.
Asst. Prof. (GSc)
Chapekar, G. N , M A.
Lectr. (GSc)

Medicine, v *infra*

Music

Ayalwar, G. L., M.Mus. Luck.
Lectr. (W).

Philosophy

Ramnathan, P. S., M.A. Madr.
Asst. Prof. (NM).
Deshmukh, C. D , M.A., Ph.D
Lond. Asst. Prof (NM).
Sathe, A. B., M.A., B.T.
Lectr. (NM).
Moses, D. G., M.A. Madr., A.M.,
Ph.D. Col.
Principal & Prof. (H).
Padhye, P. D., M.A. Lectr. (H).
Mukherjee, S., M.A. Lectr. (H).
Deshpande, B. R., M.A., LL.B.
Asst. Prof. (C).
Sawangikar, B. K., M.A.
Lectr. (C).
Shridevi, Miss S., M.A., Ph.D.
Prof. (W).
Gautam, Miss P., M.A.
Asst. Prof. (W).
Hatwalne, Mrs. P., M.A.
Lectr. (W).
Londhey, D. G., M.A. Bom., Ph.D.
Leipzig
Principal & Prof. (N).
Deshpande, D Y., M.A.
Lectr. (VM).
Prasad, J., M.A. Alld., Ph.D.
Camb.
Principal & Prof. (Sh).
Buit, Miss S. S., M.A. Lectr. (Sh).
Murkute, R. B., M.A., LL.B.
Asst. Prof. (SA).
Joglekar, S. D., M.A. Lectr. (R).

Physics

Thatte, V. N., D.Sc.
Asst. Prof. (Sc).
Sen, B. R. M Sc., Ph.D. Lond.,
D.I.C. Asst. Prof. (Sc).
Shahane, S. M., M.Sc.
Asst. Prof. (Sc).
Bapat, R. N., M.Sc.
Asst. Prof. (Sc).
Sethi, P. C., M.Sc.
Asst. Prof. (Sc).
Ayachit, V. G., M.Sc. Lectr. (Sc).
Nandanpawar, L. S., B.Sc.
Lectr. (Sc).
Khandekar, P. V., M.Sc.
Lectr. (Sc).
Bhidey, M. R., M.Sc. Lectr. (Sc).
Sharma, R P., M.Sc Lectr. (Sc).
Bhidey, V G , M.Sc. Lectr. (Sc)
Mone, M. T., M.Sc. Lectr. (Sc)
Das, J. N., M.Sc. Lectr. (Sc).
Gupta, C. H., M.Sc. Lectr. (H).
Tatke, P. A., M.Sc. Lectr. (H).
Shrivastava, V. P., M.Sc
Lectr. (H).
Singh, S. P., M.Sc. Lectr. (H).
George, S. M , M.Sc. Lectr. (H).
Prasadrao, V. P., M.Sc.
Lectr. (H).
Pendse, R. N., M.Sc. Lectr. (C).
Prasad, B. N., M.Sc. Lectr. (C).
Godbole, D. M., M.Sc. Lectr. (C).
Londhe, M. D., M.Sc. Lectr. (C).
Joshi, B. G., M.Sc. Lectr. (C).
Narayanan, V., M.Sc. Lectr. (C).
Chatterjee, S. C., M.Sc.
Lectr. (C).

Vishweshwariah, M. N., M.Sc. Lectr. (C)
Dabadghao, V. M., M.Sc. Asst. Prof. (VM).
Chinchalkar, S. W., D.Sc. Asst. Prof. (VM).
Kher, V. G., M.Sc. Lectr. (VM).
Nafde, R. L., M.Sc. Lectr. (VM).
Chakradeo, A. C., M.Sc. Lectr. (VM).
Pande, S. S., M.Sc. Lectr. (VM).
Apte, G. G., M.Sc. Lectr. (VM).
Kelkar, M. G., M.Sc. Lectr. (VM).
Paranjpey, Y. R., M.Sc. Lectr (VM).
Nair, K. G., M.Sc. Lectr (GSc).
Deshmukh, D. J., B.Sc. Lectr. (GSc).
Ghan, P. D., M.Sc. Lectr. (GSc).
Shegokar, R G , M.Sc. Lectr. (GSc)
Roy, G. N., M Sc. Lectr. (GSc)

Political Science

Sen, A., M.A., B.L. Calc. Prof. (C).
Sinha, H. N., M.A. Alld., Ph.D. Lond. Principal & Prof. (NM).
Buradkar, M. P., M.A., Ph.D. Lectr. (NM).
Sinha, R. M., M.A., LL.B. Asst. Prof. (NM).
Avasthi, A., M.A. Lectr. (NM).
Kashikar, S. G., M.A. Lectr. (NM)
Kulkarni, G. M., M.A. Lectr. (H).
Rudra, Miss S., M.A. Lectr. (H).
Tijare, R. A., M.A. Lectr. (C).
Sumbha, G. M., M.A. Lectr. (C).
Nanekar, S. R., B.A. Lectr. (VM).
Bhuskute, Miss S., M.A. Lectr. (W).
Ranade, R. V., M.A. Lectr. (C).
Shrivastava, P. K., M.A. (VM).
Shastri, Mrs. T., M.A. Lectr. (W).
Jagirdar, P. J., M.A. Asst. Prof. (Sh).
Shastri, C. Y., M.A. Lectr. (Sh).
Muley, P. G., M.A., LL.B. (R).
Joglekar, K S , M.A. Asst. Prof. (SA).

Psychology

George, Miss J , M A. Lectr. (H).

Sanskrit, Pali and Prakrit

Chaturvedi, S. P., M.A. Alld. Asst. Prof. (NM).
Somalwar, S. G., M.A. Alld. Asst. Prof. (NM).
Karambelkar, V. W., M.A., Ph.D. Lectr. (NM).
Killedar, S. J., M.A. Lectr. (NM).
Vaidya, M. G., M.A. Lectr. (H).
Varadpande, D. V , M.A. Lectr. (C).
Kelkar, Mrs. I., M.A. Lectr. (W).
Warnekar, S. B., B A. Asst. Prof. (N).
Ashtikar, B. R., M.A. Lectr. (VM).
Hasulkar, S. S., M.A., Ph.D. Lectr. (VM).
Despande, G. T., M.A., LL.B. Lectr. (Sh).
Joshi, G. D., M.A., LL.B. Asst. Prof. (SA).

Sociology

Ram Singh, M.A., Ph.D. Lectr. (H)

Technology (LIT)

Mene, P. S., B.Sc., Ph D. Lond., D.I.C Reader and Dir -in-charge. L.I.T.
Mehta, T. N., B.A., B.Sc , Ph.D. Lond., D I.C Prof.

Lecturers

Warhadpande, U. R., B.Sc. (Tech.).
Sardesai, V. V., B.E. (Mech. and Elect.) Bom.
Behere, S. N., M.Sc., B.T.
Rao, C. V. N., B.Sc., M.Sc. (Tech.).
Rajagopala Rao, P., M.Sc.
Wasson, T. C., M.D., D.M.R. Lond.

Vishen, P., B.Sc (Tech.) Lectr.
Shrivastava, G. R., M.Sc Lectr.
Papalkar, P. B., B.E Lectr

Urdu

Rafiuddin, S., M.A. Lectr. (NM).
Hamid, M., M.A., LL.B Lectr. (NM).
Sharma, A. C., M.A. Lectr. (NM).
Hasan Abidi, S. M. A. H., M.A. Lectr. (VM).
Bi, Miss Zohra, M.A. Lectr (W).

Zoology

Karamsingh, M.Sc. Asst. Prof. (Sc).
Singh, T. S. B., B.Sc. Asst. Prof. (Sc).

Lecturers

Gopala Krishna, A., B.Sc. (Sc).
Owers, N., B.Sc (Sc).
Deshpande, K. S., M.Sc., LL.B (Sc).
Jangi, B. S., M.Sc. (Sc).
Indurkar, A. K., B.Sc. (VM).
Das, E. N., M.Sc. (VM).
Motghare, D. S., M.Sc. (VM).
Thakur, R. S., M.Sc. (H)
Ramaswamy, K. R., M.Sc (H)
Nagabhushanam, A. K., B.Sc Lectr (GSc)
Daware, P. D., M.Sc Lectr. (GSc)
Parekh, C. K., M.Sc. Lectr. (GSc).

Medicine

Anatomy

Sahasrabudhe, N. S., M.S. Prof.
Robert, S. L., D.T.M., F.R.F.P.S. Glas. Reader.
Rao, Y. G., M.B., B.S., D.L.O. Lectr.
Kolte, D. T., B.Sc., M.B. Lectr.
Koranne, S. P., M.B., B.S. Lectr.
Sharma, K. N., M.B., B.S. Demr
Godbole, C. G., M.M., B.S. Demr.
Wipat, M. Y., M.B., B.S. Demr.
Gangrade, K. C., M.B., B.S. Demr.

Medicine

Berry, J. N., M.D., D.C.H. Prof
Mishra, M. P., M.D. Reader
Banerjee, R. N., M.B., B.S. Tutor.
Nag, N. K., M.B. Physician
Mishra, R. K., M.B., B.S. Resident Physician.
Subhedar, B. J., M.B., B.S. Tutor
Sur, A. M., M.B., B.S. Jr Med Registrar
Timothy, J. D., M.B., B.S. Jr Med Registrar
Bhatt, A. K. N., M.B., B.S. Med Officer

Medicine, Forensic

Rosario, E. F., M.B., B.S Lectr.
Mishra, R. D., M.B., B.S Lectr.
Choube, R. N., M.B., B.S Tutor.

Medicine, Preventive and Social

Mangrulkar, Y. B., M.B., B.S., D.P.H Reader (Pt-time).
Ramadwar, D. K., M.B., D.P.H., D.I.H. Lond., D.T.M. & H. Curator

Midwifery and Gynæcology

Devi, Mrs. P. K., M.B., M.S., F.R.C.S Prof
Anjaneyulu, R., M.D., D.G.O. Reader.
Dalal, Miss N. T., M.B., B.S Resident Obstetrician
Pande, Miss M. S., M.B., B.S. Tutor.
Shastrakar, Miss V. D., M.B., B.S. Tutor.
Shandel, Miss V., M.B., B.S. Jr Registrar.

Ophthalmology

Kesavachar, K. R., M.Sc., M.B., B.S., D.O., D.O.M.S. Reader.
Ishwarchandra, M. B., B.S., L.O. Med. Officer.
Gokhale, W. L., M.B., B.S. Jr. Registrar.

Pathology

Sharma, G. L., M.D., B.S Prof.
Shrivastava, J. B., M.D., Dip. Bact Lond. Reader.
Shukla, R. N , M.B. Lectr.
Mukherjee, S., M B., B.S. Res. Pathologist.
Sharma, K. D., M B., B.S Lectr
Mukewar, V. W., M.B , B.S. Curator

Demonstrators

Dube, R. D., M B., B.S.
Solanki, B. R , M B., B S.
Beohar, P. C , M.B., B S.
Jain, B. L , M B , B.S.

Pharmacology

Grewal, R. S., M.B., B.S., D.Phil. Oxon. Reader.
Rajapurkar, M. V , M.B. Lectr.
Tiwari, N. M., B Sc , M.B., B.S. Lectr.
Deshpande, V. R., M.B , B.S. Demr
Saodekar, G G , M.B , B S Demr.

Physiology

Singh, N., M.D. Prof.
Sen, S. C., M.B , D.T.M Lectr

Demonstrators

Vaishwanar, P. S , M.B., B S
Rajwade, N. R., B.Sc., M B , B.S.
Khandare, S S , M B., B S.
Shukla, R. D., M.B , B.S.

Psychiatry

Dube, K. C., M.B , B.S., D.P.H. Pt.-time Lectr

Surgery

Nigam, R., M D., M.S., F.R.C.S Prof.
Balkrishnan, C., B.Sc , M.B., B.S., F.R.C.S. Reader.
Seth, R. S., M B , B.S. Lectr
Sharma, H. S. D., M.B., B.S. Lectr.
Marwah, V , M.B., B.S. Resident Surgeon.
Seth, R. S , M.S Lectr.
Wankar, V. N., M.B., B.S. Surg. Registrar.
Chinchalkar, V. S , M B., B.S. Surgeon.
Gharpure, V. G , M B., B S. Tutor.
Prasad, S. N., M.B., B.S. Tutor.
Ghooi, A M , M B , B.S. Jr. Surg. Registrar.
Deshmane, J. V , M B., B S. Jr Surg. Registrar.
Deshmukh, A. P., M B., B.S. Jr. Surg. Registrar.
Kapoor, B L , M.B., B S , D.T.D. Asst. Surgeon.
Dube, M. S., M B., B.S. Sr. Anæsthetist.
Pradhan, R K., M.B., B S. Jr. Anæsthetist.
Sathe, N. D., M.B., B S. Jr. Anæsthetist.
Kunte, D M., L M.P., L.D.Sc. Dent. Surgeon.
Pathak, V. M , L D.Sc. Dent. Surgeon.
Deshmukh, G. M , M B., B.S. Med. Officer in charge of Div. of Ear, Nose and Throat.
Puri, P. L., M.B., B S. Med. Officer in charge of Skin and Venereal Diseases.
Wasson, T. C , M.D., D.M.R. Sr. Radiologist.
Tungor, S. V , M.B., B S. Jr. Radiologist.

UNIVERSITY COLLEGES

LAW COLLEGE, Nagpur (LC).* (*Telephone*: 2920.) Principal—G. B. Badkas, M.A., LL.B.

* (LC), (LIT), etc. : symbols for reference to the Colleges in Teaching Staff lists, *supra*.

LAXMINARAYAN INSTITUTE OF TECHNOLOGY, Nagpur (LIT). (*Telephone*: 3025.) Dir.-in-Charge—P. S. Mene, B.Sc., Ph.D. Lond., D.I.C.

UNIVERSITY TRAINING COLLEGE, Nagpur (UTC). Principal—M. Varna, M.A., M.Ed.

UNIVERSITY TEACHING DEPARTMENTS

DEPT. OF BIOCHEMISTRY. Prof. and Hd. of Dept.—M. C. Nath, D.Sc., F.N.I., F.R.I.C.

DEPT. OF GEOLOGY. Reader and Hd. of Dept.—K. Sripada Rao, M.Sc., F.G.S.

DEPT. OF POLITICAL SCIENCE. Prof. and Hd. of Dept.—E. Asirvatham, M.A., Ph.D., B.D.

DEPT. OF PUB. ADMIN. AND LOCAL SELF-GOVT. Prof. and Hd. of Dept.—M. P. Sharma, M.A., D.Litt.

OTHER COLLEGES ADMITTED TO THE PRIVILEGES OF THE UNIVERSITY

AKOLA, *Sitabai Arts College* (SA). Principal—N. R. Kelkar, M.A.

AMRAVATI, *Shree Shivaji College* (Sh). Principal—Jwala Prasad, M.A. Alld., Ph.D. Camb.

AMRAVATI, *Vidarbha Mahavidyalaya* (VM). Principal—R. L. Nirula, B.Sc., Ph.D. Lond., D.I.C.

KHAMGAON, *G.S. College of Science* (GSc). Principal—K. M. Munshi, M.Sc.

NAGPUR, *College of Agriculture* (A). (*Telephone*: 2378.) Principal—R. P. Asthana, M.Sc., Ph.D., D.I.C.

NAGPUR, *College of Science* (Sc.). (*Telephone*: 2481.) Principal—K. Krishnamurti, D.Sc. Lond.

NAGPUR, *D.S.D. National College* (N). Principal—D. G. Londhey, M.A. Bom., Ph.D. Leipzig.

NAGPUR, *Government Engineering School* (E). (*Telephone*: 2483.) Principal—K. N. Tilloo, B.Sc. (Mech. & Elec. Eng.).

NAGPUR, *G.S. College of Economics and Commerce* (CN). (*Telephone*: 2760.) Principal—M. R. Tokhi, M.A. (Econ.), B.Com., LL.B. Luck.

NAGPUR, *Hislop College* (H.). (*Telephone*: 2979.) Offg. Principal—S. D. Pendse, M.A., M.O.L., Ph.D.

NAGPUR, *Lady Amritbai Daga College for Women* (W). (*Telephone*: 2304.) Principal—Miss S. Shridevi, M.A., Ph.D.

NAGPUR, *Medical College* (M). (*Telephone*: 2488.) Dean—G. L. Sharma, M.D.

NAGPUR, *Nagpur Mahavidyalaya* (NM). (*Telephone*: 2358.) Principal—H. N. Sinha, M.A. Alld., Ph.D. Lond.

NAGPUR, *S.B. City College* (C). (*Telephone*: 2860.) Principal—S. L. Pandharipande, M.A.

WARDHA, *G.S. College of Commerce* (CW). Principal—M. M. Shah, M.A., Ph.D.

WASHIM, *Rajasthan Aryan College* (R). Principal—V. P. Mohogaonkar, M.A., LL.B.

ADMINISTRATIVE AND OTHER STAFF

Officer-in-charge, Phys. Educn.: M. P. Major. Univ. Med. Officer: P. U. Deshpande, M.B., B.S. Univ. Engineer: G. S. Talajia, B.E. Supt., Univ. Hostels: S. K. Mishra, M.Sc. (Agr.). Officer-in-charge, Printing: K. K. Shrivastava, M.Sc. Sec. (*ex-officio*), Students' Information Bureau: V. Shankaran, M.A. Asst. Sec., Laxminarayan Bequest Admin. Cttee.: S. C. Seth, M.A. Lady Warden, Sadaparva Hostel: Mrs. S. Didolkar.

GENERAL INFORMATION

The University was established in 1923. The authorities of the Univ. are the Court, Executive Council, Academic Council and Facs. The Univ. does not hold a Matricn. Examn., but admits students who have passed (*a*) the Final examn. of the Central Provinces Bd. of High School Educn. or Bd. of Sec. Educn., Madhya Pradesh, or an examn. recognized (with the sanction of the State Govt.) as equivalent thereto, or (*b*) the Matricn. Examn. of an Indian Univ.

Faculties and Deans. *Agric.*, S. K. Mishra; *Arts*, Dr. H. N. Sinha; *Comm.*, S. N. Agarwal; *Educ.*, Dr. V. S. Jha; *Law*, Justice V. R. Sen; *Med.*, Dr. G. L. Sharma; *Science*, Dr. V. N. Thatte.

Universary Library. The library contains 56,160 vols.

Laxminarayan Institute of Technology. The bldgs. of the Inst. were completed in 1942 and the Inst. began functioning in Aug. of that yr. It provides a 2 yrs.' course (for Science graduates) for B.Sc. (Tech.) degree and a 4 yrs.' course (for Inter. in Sci.) for B.Tech. in Chem. Engin. and in Oil Technol. For further development, construction of new bldgs. consisting of a boiler house, chemical stores, lab. blocks, a workshop and students' Hostel, costing more than 7 lacs of rupees, has been completed and purchase of engineering, chem. and physical equipment, costing more than 5 lacs of rupees, has been made. The total value of the bequest now stands at Rs. 54,77,604.

Medium of Instruction. English is being replaced by Hindi and Marathi as medium of instruction in courses in Arts and Sci. by progressive stages from the examns. of 1951. In special cases, English is also permitted.

Degrees. *Arts*—B.A., 2 yrs. after Inter. Examn.; B.A. (Hons.), 3 yrs.; M.A., 2 yrs.' study after B.A.; Ph.D., open to M.A.s of 3 yrs.' standing by thesis; D.Litt., open to Ph.D.s of 3 yrs.' standing and M.A.s of 8 yrs.' standing, for original contribution to learning. *Science*—B.Sc., 2 yrs. after Inter. Examn.; B.Sc. (Hons.), 3 yrs.; B.Tech., 4 yrs.; M.Sc., 2 yrs.' study after B.Sc.; M.Sc. (Tech.), open to B.Sc.(Tech.)s or B.Tech.s of 1 yr.'s standing by thesis; Ph.D., open to M.Sc.s of 2 yrs.' standing by thesis; D.Sc., 3 yrs. after M.Sc., for research conducive to advancement of Sci. *Law*—LL.B., 2 yrs. after approved Bachelor's degree; LL.M., 2 yrs.' course for approved grads. in Law; LL.D., open to approved Masters of Law of 3 yrs.' standing by thesis. *Educn.*—B.T., 1 yr.'s postgrad. study; M.Ed., open to B.T.s (and certain other persons recommended by the Academic Council) by examn. and thesis; Ph.D., open to M.Ed.s and M.A.s and M.Sc.s (with B.T. specially permitted) by thesis. *Agric.*—B.Sc., 2 yrs. after Inter. Examn.; M.Sc., open to Bachelors of Agric. and other approved graduates by thesis; Ph.D., open to M.Sc.s of 2 yrs.' standing by thesis. *Medicine*—M.B., B.S., 5 yrs. after Inter. Examn. in Sci. Higher degrees are in every case open to approved grads. of other Univs.

Diplomas. Teaching (2 yrs.); Engin. (3 yrs.); Art (3 yrs.); Co-operation (1 yr. postgrad.); Local Self-Govt. (1 yr.); Journalism (1 yr.).

EXAMNS. IN ORIENTAL LEARNING. Prajna, Munshi, Maulvi; Visharad, Munshi Alim, Maulvi Alim; Shastri, Munshi-Fazil, Mulvi Fazil.

THE STUDENTS' INFORMATION BUREAU, University Building. (*Telephone*: 2382.) Advises and helps students who go abroad for advanced studies.

PUBLICATIONS. *Calendar*, 2 vols. (every 3 yrs., Rs. 2 per vol.); *Annual Report* (free); *Minutes of Univ. Meetings* (annual, free); *Prospectus* (annual, from 8 as. to 12 as. according to examns.); *Examination Papers* (annual, from 8 as. to Rs. 2 according to examns.); *Extension Lectures* (every 2 yrs., price as fixed).

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. Estate of Col. A. N. Bose, Ex-Principal, Med. Coll., Nagpur, Rs. 10,000 for endowment of a Scholp. in Med. Coll. to best regular student of Med. in final year; Estate of G. L. Subheder, retd. Judicial Commissioner, Nagpur, Rs. 1,00,000 which will be used for construcn. of a new bldg. for Geol. and Bot. Depts.

PRINCIPAL CHANGES IN REGULATIONS. (1) Annual examns. for Dipl. and Certif. in Journalism instituted. (2) Postgraduate students now allowed to prosecute courses for M.A. and LL.B. simultaneously only under certain specified conditions. (3) Ordinance made prescribing conditions for admission to Ph.D. in Fac. of Comm. on the lines of those for Fac. of Arts. (4) B.Tech. degree (4-yr. undergraduate course) replaces B.Sc. (Tech.) degree. (5) Three Ordinances made prescribing conditions for admission to First B.Tech. examn., Final B.Tech. examn. pt. I, and Final B.Tech. examn. pt. II; these examns. are taken at end of second, third and fourth yrs. respectively of course for B.Tech. degree.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. A. G. Fisk, San Francisco State Coll.; Prof. N. D. Palmer, Penn.; Prof. E. Dorf, Princ.; Dr. M. M. David, Visiting Fulbright Prof.; Prof. Suzanne Leclerq, Liége; Dr. M. Masuyama, Inst. of Stat. Maths., Japan.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	9,268	..
Women	1,262	..
Total	10,530	..

Postgraduate students, 1253.
New admissions, 3521.

DEGREES. B.Sc. (Agr.), 27; B.A., 580; B.A. (Hons.), 4; M.A., 96; M.A. for B.A. (Hons.), 2; Ph.D. (Arts), 2; B.Com., 171; M.Com., 11; B.T., 37; M.Ed., 5; LL.B., 168; M.B., B.S., 87; B.Sc., 176; B.Sc. (Hons.), 2; M.Sc., 29; B.Sc. (Tech.), 8; Ph.D. (Science), 1.

DIPLOMAS. Art, 3; Engin., 59; Archit., 3; Oriental Learning, Junior, 44, Senior, 14, Higher, 2; Local Self-Govt., 21; Teaching, 119; Journalism, 25.

OSMANIA UNIVERSITY *

Founded 1918

Postal Address : Hyderabad, Deccan, 7, India.
Telegrams and Cables : University, Hyderabad, Deccan, 7.
Telephone : Hyderabad 5420 ; 5429.

PATRON—HIS EXALTED HIGHNESS THE NIZAM, G.C.S.I., G.B.E.
CHANCELLOR—THE HON. SHRI RAMA KRISHNA RAO, Chief Minister.
VICE-CHANCELLOR—S. BHAGAVANTAM, D.Sc.
REGISTRAR—I. TOPA, D.Phil. Freiburg.

ADMINISTRATIVE AND OTHER STAFF

Deputy Registrar : S. Chand ; Asst. Registrar (Administration) : Z. Ali Khan, B.A. Alig. ; Asst. Registrar (Academic) : N. V. K. Murthy, B.A. Mys. ; Controller of Examns. : Mohd. Ahmed Osmani, M.Sc. Alig. ; P.A. to Vice-Chancellor : L. B. Deshpande, B.Sc. Madr. ; Librarian : Masood Yazdani, B.A., Dip.L.Sc. Madr. ; Audit Officer : Hafiz Mohd. Ahmed Siddiqi ; Resident Medical Officer : Dr. P. L. Narayan Rao ; Asst. Engineer : Basheeruddin Ahmed, B.E. ; Warden-in-charge : Mohd. Abdur Razzak Qadri, M.A. ; Asst. Warden : W. J. Lazarus, B.A. Panj. ; Chief Sports and Welfare Officer : Ghous Mohd. Khan.

UNIVERSITY COLLEGES

UNIVERSITY COLLEGE OF AGRICULTURE

Postal Address : Hyderabad, Deccan, 7.
Telephone : 5420 ; Extn. 20.

Principal—HASHIM AMIR ALI, B.Ag. Bom., Ph.D. Corn.

Agricultural Chemistry
Rao, V., Ph.D. Wis. Lectr.

Agricultural Economics
Suryanarayana, K. S, B.Sc.Ag. Madr.

Agricultural Engineering
Satyanarayen Rao, T., B.Sc.Ag. Bom. Lectr.

Agronomy
Baquer Husain, M., M.A., B.Sc., Cert.Soc.Sci. Edin. Prof.

Lecturers
Suryanarayan Rao, R., B.Sc.Ag. Madr.
Bhaskaran, K., B.Sc.Ag. Madr.

Animal Husbandry
Karnani, B. T., Ph.D. Corn. Lectr.

Farm
Khan, S., B.Sc.Ag. Nag., B.Sc. Lectr. and Farm Supt.

* Member of the Association of Universities of the British Commonwealth.

Plant Breeding and Entomology
Razvi, H. A., B.Ag. Bom., Ph.D. Wales — Reader.

Lecturers
Ramnarao, B. V , M.Sc. Ban.
Ali, H., M.Sc. Ott., Ph.D. Kansas.

University College of Arts and Commerce

Principal—M. S. Doraiswami, M.A., L.T. Madr., B.A. Oxon.

Arabic
Qutbuddin, Q., B.A. — Prof.
Khan, A. M., Ph.D. Camb., M.A. — Reader.
Fazl, S. A., M.A. — Lectr.

Commerce
Khan, I. H., B.Com. Lond. — Reader & Dean.

Lecturers
Rao, B. P., B.Com. And., M.Com , LL.B. Luck.
Bhargava, R. S., M.Com. Luck
Rao, B. R., M.A. Calc.

Economics
Qadir, M. A , M.A. Madr., B.Sc. (Econ.) Lond. — Prof.
Husain, S. A., M.A., LL.B. Luck., L.T. Alld. — Reader.
Hasan, S. F., M.A. — Lectr
Khusrow, A. M. H., M.A. Madr., B.A., Ph.D. Leeds — Lectr.

English
Doraiswami, M. S., M.A., L.T. Madr., B.A. Oxon. — Prof.

Lecturers
Rajarathnam, A. P., M.A. Madr.
Acharya, K. N., M.A. Mys.
Omer, M. B., M.A.
Iyengar, Y. R., M.A. Madr.
Sirajuddin, S., M.A.
Chandrasekharan, K. R., M.A., M.Litt. Madr.
Siddiqi, M. N., B.A. Oxon., M.A.
Jambunathan, S., M.A. Rangoon.
Samuel, M. S., M.A. Madr.
Joshi, B. N., M.A. Bom.
Jacob, Miss S., M.A.
Purushottam Rao, K., M.A.
Sarma, P. L. N., M.A. Nag.

Geography

Lecturers
Ahmed, S , B.A., B.T. Alig., M A. Edin.
Chaturvedi, B. N., M.A. Calc.

Hindi

Lecturers
Vansidhar, Pdt. V
Pande, R. N., M.A. Ban.
Khandelwal, R., M.A. Luck.

History
Khan, Y. H., D.Litt. Paris — Prof.
Muneeruddin, K., M.A. — Reader.

Lecturers
Khalidi, A. N., D.Litt. Cairo, M.A.
Sajjanlal, Q. A., M.A. Bom.

Kannada
Bhimsen Rao, D. K., M.A. Mys. — Prof.

Lecturers
Patwari, R. R., M.A. Mys.
Ramaswami, B., M.A.

Marathi
Nandapurkar, N. G., M.A. Alig and Nag., Ph.D. Nag. — Prof.

Lecturer
Deulgaonkar, V. P., M.A.

Persian
Nizamuddin, M., Ph.D. Camb. — Prof.

Readers
Kalimullah, S. Q., M.A., LL.B., Ph.D. Lond.
Farooqi, L. A., M.A., LL.B.

Philosophy
Valiuddin, M., M.A., Ph.D. Lond. — Prof.

Readers
Lal, S. M., M.A. Alig.
Salahuddin, M., M.A. Dacca.
Vahiduddin, S., Ph.D. Marburg.

Political Science
Siddiqi, A. M., M.A., LL.B. Reader.
Lecturers
Sudhakar Rao, G. V., A.M. Col., M.A.
Khan, Z., M.A. Luck.
Hashmi, S. H., M.A.

Religion and Culture
Readers
Ahmed, Z., M.A., D.Litt. Cairo.
Ahmed, F.
Lecturers
Shore, S. H., M.A.
Tahir, M. Y., M.A., Ph.D.

Sanskrit
Sharma, A., M.A. Alig., Ph.D. Munich Prof.
Rao, K., M.A. Calc. and Nag. Lectr.
Bhat, B. K., M.A. Bom. Lectr.

Sociology
Hasan, J., Ph.D. Heidel. Prof.
Lecturers
Siddiqi, M., M.A.
Dube, S. C., M.A., Ph.D.

Telugu
Laxmiranjanam, K., M.A. Madr. Prof.
Venkataraghaviah, M.O.L. Madr. Lectr.
Venkatavadhani, D., M.A. And. Lectr.

Urdu
Sarwari, A. Q., M.A., LL.B. Prof.
Mohammad, S., M.A. Reader.
Qateel, A. H., M.A., Ph.D. Lectr.

University College of Education

Postal Address: Hyderabad, Deccan, 7.
Telephone: 5420, 5429; Extn. 33.

Principal—Mir Ahmed Ali Khan, M.A. Delhi, M.Ed. Leeds.

Readers
Zohra Begum, M.Ed. Leeds.
Ahmed, G., M.A., LL.B. Alig., Ed.B. Glas.
Zainulabedin, S., M.A, B.T. Alig.
Lecturers
Khan, M. Q., M.A., M.Ed.
Farooq, S. H., B.A.
Khan, I. A., M.A. Alig., M.Ed.
Prasad, B., M.A., M.Ed.
Chari, K. V., M.A.Ed. Lond., M.Ed.
Deshpande, M. L., M.Sc.

University College of Engineering

Postal Address: Hyderabad, Deccan, 7.
Telephone: 5017.

Principal—Z. Ansari, M.A., B.Sc. Manc.

Civil Engineering
Athar, M., B.Sc. Durh. Prof.
Readers
Hafeezullah, M., B.Sc. Alig., B.Sc. Eng. Rangoon.
Rasheed, M. A., B.A., B.E.
Lecturers
Jawalkar, N. R., M.A.
Fakhruddin, M., B.E.
Ismail, S. M., B.E.
Husain, S. T., B.E.
Qadri, S., B.E.

Electrical Engineering

Gadgil, V. M., B.Sc. Madr. and Lond. Prof.
Husain, A., M.Sc., B.S.M.E., B.S.E.E. Northwestern.

Mechanical Engineering

Ali, A., B.Sc. Madr. and Lond. Prof.
Ramanujacharya, K., B.Sc. Eng. Ban. Reader.
Habeebullah, A. H., B.S.M.E. Utah, B.Sc. Lectr.
Beedkar, S., B.E.

Overseer Class

Lecturers
Khan, M. M., C.E. Madr.
Qadri, H. A., B E.

University College of Science

Principal—M. Sayeeduddin, B.Sc. Bom., M.A. Edin., F.L.S.

Botany

Sayeeduddin, M., B.Sc. Bom., M.A. Edin., F.L.S. Prof.
Salam, A , M Sc., Ph.D. Belf. Reader.

Lecturers
Waheed, A., M Sc.
Saxena, M. R., M.Sc., Ph.D. Lond.
Khan, F. N , M.Sc.
Farooqi, A. J., M.Sc.
Singh, T. R., M.Sc
Jafar, M., M.Sc.
Deshpande, K. B., M.Sc.
Ramachar, P , M.Sc.

Chemical Technology

Zaheer, S. H., M.A. Oxon., Ph.D. Heidel. Prof.

Readers
Kulkarni, B. S., Ph.D. Bom.
Ali, A., M.Sc. Ill.

Lecturers
Zaidi, H. R., M.Sc , Ph.D.
Nizamuddin, H., M.Sc.
Qaiyum, A., M.Sc.
Vaidya, L. S., M.Sc.
Kantam, J. L., M.Sc.

Chemistry

Subba Rao, N. V., D.Sc. And., Ph.D. Lond. Prof.
Taher, N. A., M.Sc., Ph.D. Lond. Reader.
Rahman, M. K., M.Sc. Reader.
Sharfuddin, M., M.Sc. Dacca Lectr
Rao, N., M.Sc.,
Shah, M., M Sc., Ph.D. Lond.
Rahman, A., M.Sc
Ananthan, B. N., M.Sc.
Venkobacharya, M.Sc.
Hanmanth Rao, D., M.S. Mass., M.Sc.
Habeebullah, K., M.Sc.
Shahabuddin, S. Y., M.Sc. Mys
Acharya, S. S., M.Sc., M.S. Pitt.
Srinivasan, V. R., M.Sc. Madr., Ph.D. Leeds.
Joga, R , M Sc
Bhargava, P. M , M.Sc

Geology

Ahmeduddin, S. M., B.A., B.Sc. Manc., F.G.S., F.L.S. Reader.
Sharma, S. R., M.Sc. And. Lectr.

Mathematics

Venkatachari, V. P., Ph.D. Lond., M.A. Prof.

Readers
Mohiuddin, M. K., M.A. Madr., B.T. Alig.
Patwari, V. N., M.A. Madr., B.A. Bom.

Lecturers
Rao, R., M.A.
Razvi, S. A. H., M.A.
Ahsan, M., M.Sc. Alig.
Dwarka, D. V., M.A.
Vishwanatham, B., M.A.

Subhadra Devi, V., M.A. And., B.Ed.
Tirumalacharya, M.A. Alig.

Physics

Satyanarayana, R, B.Sc., Ph.D. Lond. Prof.

Lecturers

Iyengar, S., M.Sc.
Jaya Rao, A. M, M.Sc.
Deshpande, V., M.Sc.
Puranik, P. G., M.Sc.
Rao, A. V., M.Sc. And.
Rahman, A., B.Sc., B.A. Camb.
Ramautaram, K., M.Sc. And.
Krishna Rao, K. V., M.Sc. And.
Varadayah, V. V., B.A., M.Sc. And.
Sunder Rao, R. V. G., M.Sc. And.
Venkatachary, B. T., M Sc.
Ranga Rao, B. V., M.Sc. Calc.
Mukherji, S. K., M.Sc.
Sheshagiri Rao, T., M.Sc. And., Ph.D.

Zoology

Singh, R. S. N., M.Sc. Alig., Ph.D. Lond. Prof.
Khan, O, Ph.D. Lond., M.Sc. Reader.

Lecturers

Mohsin, S. M., M.Sc., Ph.D.
Ali, S. M., M.Sc.
Jaiswal, G. P., M.Sc.
Hakeemuddin, M., M.Sc.
Shareef, A., M.Sc.
Salim, J. B., M.Sc.
Shamsuddin Qadri, M.Sc., Ph.D. Lond.
Humayun, R. A., M.Sc.

University College of Veterinary Science and Animal Husbandry

Postal Address: Hyderabad, Deccan, 7.
Telephone: 5420; Extn. 25.
Principal—M. Habeeb Khan.

Anatomy

Lecturers

Kanan, C. V, B.V.Sc. Bom.
Srinivasan, P., M.Sc. Madr.

Animal Husbandry

Nair, K. S. Prof.

Lecturers

Jatker, V. R.
Venkateshwar Rao, C., B.V.Sc., M.Sc. Madr.

Medicine

Ramchander Rao, V.

Pathology and Bacteriology

Lecturers

Imaduddin, M.Sc.
Pargaonker, V. N.

Pharmacology

Ahmed, T. Lectr.

Physiology

Lecturers

Husain, A.
Sadekar, V. D., B.Sc.

Surgery

Raghavan, S., B.V.Sc. Lectr.
Reddy, B, B.V.Sc. Lectr.

CONSTITUENT COLLEGES

Chaderghat Intermediate Arts College. *Postal Address*: Hyderabad, Deccan. (*Telephone*: 4658.) Principal—S. M. Qadri Zore, M.A., Ph.D. Lond. *Arabic*—Readers: S. Nabi, Maulvi Fazil, M. A. Suboor, M.A. *Commerce*—Lectrs.: M. A. Siddiqi, M.A., S. Ahmed, M. Husain, M.A. *Economics*—Lectrs.:

B. Faridi, M.A., M. A. Gilani, M.A., M. Husain, M.A. *English*—Lectrs.: M. Husain, M.A., T. A. Lingam, M.A. Nag., L.T. Madr., K. R. Koteshwar Rao, M.A., E. V. Joshi, M.A., B.T. Bom., A. Haq, M.A. *Geography*—Lectrs.: A. Hamid, M.A., B.Sc., B.T. Alig., M. Inamullah, M.A., D. Pershad, M.A. *History*—Readers: M. M. Ali, M.A., S. S. Ahmed, M.A.; Lectr.: M. Husain, M.A., Dip.Ed. *Kannada*—Lectr.: Y. Achut Rao, M.A. *Marathi*—Lectr.: B. Kahalekar, M.A., LL.B. *Persian*—Lectr.: S. Sufi, M.A. *Philosophy*—Reader: K. A. Quddus, M.A. *Religion and Culture*—Lectrs.: M. M. Siddiqi, Maulvi Kamil, Munshi Fazil. *Sanskrit*—Lectr.: H. Upadhyay, M.A. *Sociology*—Lectr.: R. Pershad, M.A. *Telugu*—Lectr.: P. Durgaiah, M.A. *Urdu*—Lectr.: H. Shahid, M.A.

CITY INTERMEDIATE SCIENCE COLLEGE. *Postal Address*: Hyderabad, Deccan. (*Telephone*: 5182.) Principal—N. Ram Lal, M.Sc. Alig., Ph.D. Lond. *Botany*—Readers: M. Ghousuddin, M.Sc. Alig., G. Moinuddin, M.Sc., J. Nizam, M.Sc. *Chemistry*—Readers: A. B. Abdullah, B.A., P. N. Srikishen, M.Sc. Alig.; Lectrs.: R. Kamtiker, M.Sc., K. Rang Rao, M.Sc., Narayanachari, M.Sc., A. Husain, M.Sc., J. Narayan Rao, M.Sc., S. Yousufuddin, M.Sc., D. R. Mathur, M.Sc. *English*—Lectrs.: N. V. Doraiswami, M.A. Madr. and Nag., R. Aundhewadikar, M.A., V. A. Sahane, LL.B. Bom., Tajuddin, M.A., B. V. Raghvender Rao, M.A. Madr. *Hindi*—Lectr.: P. Vidyasagar, M.A. *Mathematics*—Reader: M. Ahmed, M.A. Alig.; Lectrs.: Narsimhachari, M.A. *Physics*—Reader: M. Zakiuddin, M.Sc.; Lectrs.: S. Raj, M.Sc., S. Pershad, M.Sc., M. A. Hai, M.Sc., B. K. Goswami, M.Sc., M. Hasan, M.Sc., P. Pardiker, M.Sc., M. R. Shalgaonker, M.Sc., V. G. K. Murthy, M.Sc. *Telugu*—Lectr.: V. B. Bhasker Rao, B.A. And. *Urdu*—Lectr.: S. H. Shuttari, M.A. *Zoology*—Lectrs.: M. A. Rahman, M.Sc., S. Zaheeruddin, M.Sc., M. R. Abbasi, M.Sc.

EVENING COLLEGE, Hyderabad, Deccan. Principal—K. S. Raghavan, B.A., B.T. Madr. *Commerce*—Lectr.: S. P. Vijaysarathi, M.Com. *Economics*—Lectrs.: Mrs. S. E. Singha, M.A. Panj., B.A., B.T. Calc., S. Mokkapati, M.A. Madr., M. K. Subramaniyam, B.A. Madr., V. Raman Rao, M.A. *English*—Lectrs.: S. Singh, M.A., LL.B., S. K. Bose, M.A., LL.B. Nag., A. Ahmed, M.A. Alig., Adapa Ramakrishna Rao, M.A. Madr. *Geography*—Lectr.: M. J. Subramaniyam, B.Sc. Madr. *History*—Lectrs.: Miss Aley Phillips, B.A., K. R. James, M.A. *Mathematics*—Lectr.: M. V. Pattabhai Raman, M.A.; M. A. Sundaram, M.A. *Politics*—Lectr.: A. Muttalib, M.A.

EVENING COLLEGE, Secunderabad. Principal—P. Ramaswamy, M.A. Calc. *Commerce*—Lectr.: Gridharilal Sanghi, M.Com. *Economics*—Lectr.: Nayeemuddin, M.A. *History*—Miss S. Regani, M.A.

INTERMEDIATE ARTS AND SCIENCE COLLEGE. *Postal Address*: Aurangabad, Deccan. Principal—G. N. Thatte, M.A. Alig. *Arabic*—Lectr.: L. H. Qadri, M.A. *Botany*—Lectr.: S. D. Khan, M.Sc. *Chemistry*—Lectrs.: S. Rai, M.Sc. Alld., Dip.Ed., G. Maheshkar, M.Sc. *Economics*—Lectr.: G. Thatte, M.A. Alig. *English*—Lectrs.: G. J. Ahmed, M.Sc., M.A. Bom. *Hindi*—Lectr.: B. Telang, M.A., B.T. Nag. *History*—Lectrs.: A. A. Khan, M.A., A. Bari, M.A. *Mathematics*—Lectr.: R. G. Waghmaray, M.A. *Persian*—Lectr.: M. Rafat, M.A. *Philosophy*—Lectr.: M. S. A. Khan, M.A. *Physics*—Lectrs.: M. Muneeruddin, M.Sc., M.Ed., G. Jeelani, M.Sc.

INTERMEDIATE ARTS AND SCIENCE COLLEGE. *Postal Address*: Gulbarga, Deccan. Principal—S. Krishna Rao, B.Sc. Madr. *Arabic*—Lectr.: H. Mohiuddin, M.A. *Biology*—Lectrs.: M. Yaqoob, M.Sc., V. D. Tilek, M.Sc. *Chemistry*—Lectrs.: B. Virupakshyappa, M.Sc., B. Surje, M.Sc. *Economics*—

Lectr.: A. Aziz, M.A. Alig. *English*—Lectrs.: M. Anwar, M.A. Alig., M. A. Haji, M.A. *Hindi*—Lectr.: P. L. N. Sarma, M.A. Nag. *History*—Lectrs.: A. Mohsin, M.A., S. Sham Lal, M.A. *Kannada*—Lectr.: T. Bhimsen Rao, M.A., Dip.Ed. *Marathi*—Lectr.: Bhagwant Rao, M.A. *Mathematics*—Lectr.: J. Sasturker, M.A. *Philosophy*—Lectr.: M. A. K. Kazmi, M.A. *Physics*—Reader: A. Rahman, M.Sc. Dacca; Lectr.: Sanjayya, M.Sc. *Urdu*—Lectr.: A. Mannan, M.A.

INTERMEDIATE ARTS AND SCIENCE COLLEGE. *Postal Address*: Warangal, Deccan. Principal—B. V. Ram Narsu, M.A., B.Ed. Madr. *Botany*—Lectr.: Bhoj Raj, M.Sc. *Chemistry*—Lectrs.: A. W. Qureshi, M. L. N. Reddy, M.Sc. *Economics*—Lectr.: S. M. Qadri, M.A. *English*—Lectrs.: K. B. Sekhran, M.A. Nag., T. A. Mirza, M.A. *History*—Lectrs.: M. A. Rahman, M.A., M. M. Ahmed, M.A. *Philosophy*—Lectr.: Siddiqi, M.Sc. *Physics*—Lectrs.: P. S. R. Krishna Rao, M.Sc., A. H. Sharif, M.Sc. *Sanskrit*—Lectr.: P. G. Lalye, M.A. Poona. *Telugu*—Lectr.: C. Rangacharloo, M.A. *Urdu*—Lectr.: M. S. Ali, M.A. *Zoology*—Lectr.: M. Mujeebuddin, M.Sc.

LAW COLLEGE. *Postal Address*: Saifabad, Hyderabad, Deccan. Principal—H. A. Mirza. Prof.: H. A. Mirza; Reader: Wahidullah Khan, B.Sc., LL.M.

MAHBOOB INTERMEDIATE ARTS AND SCIENCE COLLEGE. *Postal Address*: Secunderabad, Deccan. Principal—J. C. Kameshwar Rao, D.Sc. Calc. *Botany*—Lectr.: M. Saxena, M.Sc. *Chemistry*—Lectrs.: S. D. Thatte, M.Sc., N. Afzal, M.Sc. *Commerce*—Lectr.: A. S. Jagannath Rao. *Economics*—Lectr.: S. G. Moghe, B.A., B.Com. Nag. *English*—Reader: A. Z. A. Wahid; Lectr.: B. G. R. Krishnamma, M.A. Madr. *Geography*—Lectr.: S. M. Alam, M.A. *History*—Lectrs.: J. D. Raj, M.A., L.T. Madr., R. A. Khan, M.A. Madr., Adeeb-e-Mahir Agra. *Mathematics*—Reader: A. V. Gopal Rao; Lectr.: N. S. Natrajan, M.A. Madr., Dip.Ed. *Physics*—Lectrs.: C. Satyanarayana, M.Sc. And., T. S. N. Murty, M.Sc. *Zoology*—Lectr.: Jagannath Ratnao, M.Sc.

NIZAM COLLEGE. *Postal Address*: Gun-foundry, Hyderabad, Deccan. (*Telephone*: 4231.) Principal—Syed Husain, M.Sc. Alig., Ph.D. Lond. *Arabic*—Lectrs.: A. H. Khan, M.A., B.O.L. Madr., A. H. Alqadri. *Bot. and Zool.*—Reader: Q. H. Qureshi, Ph.D. Lond., M.Sc., D.I.C.; Lectrs.: K. Nasrullah, M.Sc., M. S. Khan, M.Sc., S. Swami, M.Sc., M. Hashim, M.Sc., Ph.D. Minn., K. R. Saxena, M.Sc. *Chem.*—Lectrs.: S. Raghunathan, M.Sc. Madr., V. D. Thatte, M.Sc., G. K. Mathur, M.Sc., M. D. Bhole, M.Sc., I. Sanghi, M.Sc. Alld., G. Ahmed, M.Sc., H. Siddiqi, M.Sc. Alig., T. Khan, M.Sc., P. Madhav Rao, M.Sc., S. Mainkar, M.Sc. *Commerce*—Lectrs.: T. Chadda, M.Com. Panj. *Economics*—Lectrs.: S. Natrajan, M.A., M.Litt. Annam., Mrs. M. F. Jussawala, M.A. Madr., K. T. Ramkrishna, B.A. Madr., T. Rama Rao, M.A. Madr., J. M. Talluri, B.A. And. *English*—Prof.: S. F. Haq, M.A. Alig., B.A. Camb.; Reader: J. J. Sebastian, M.A. Madr. and Nag.; Lectrs.: T. W. Manikyam, M.A., L.T. Nag., D. Kameshwar Rao, M.A. Nag., K. Venkatachari, M.A., LL.B. Luck., H. Pasha, M.A. Nag., H. B. Kulkarni, M.A. Bom., T. S. Sastri, M.A. Madr. *Geography*—Lectr.: G. S. Bhan, M.A. Alig. *Hindi*—Lectrs.: R. K. Pande, M.A. Luck., M. Venkatacharulu, M.A. Madr. and Ban. *History and Politics*—Lectrs.: M. Prasad Rao, M.A. Madr., P. V. Rajgopal, B.A. Madr., M. Rama Rao, M.A., Ph.D. Madr., B.Ed. And., R. Narsimha Rao, M.A. And., S. V. Raghavan, M.A., M. Anjan, M.A. Madr. *Kannada*—Lectrs.: F. G. Mathad, M.A. Madr., Pandurangacharya, M.A. *Marathi*—Lectrs.: R. B. Madhekar, M.A. Madr., V. P. Devalgaonker, M.A. Nag. *Mathematics*—Reader: M. Akram, M.A. Alig. and Edin.; Lectrs.:

S. A. Ghani, M.A. Alig., R. V. Chari, M.A. Madr., A. Ahmed, M.Sc. Camb., M.A., Ph.D., V. V. L. Narsimha Rao, M.A. And., S. S. Datar, M.A., Ph.D. Bom. *Persian*—Lectr.: G. D. Rasheed, M.A. *Philosophy*—Lectrs.: S. A. Khundmiri, M.A., D. A. Khan, M.A. *Physics*—Lectrs.: S. V. Raman, M.Sc Madr., B. N. Murthy, M.Sc And., N. Rajeshwar Rao, D.Sc. And., M. Suryanarayan, M.Sc. And., P. J. Jacob, M.Sc. Agra, T. V. V. Iyengar, M.Sc. Ban., J. Reddy, M.Sc., K. Venkatramiah, M.Sc. *Sanskrit*—Reader: A. S. Rama Rao, M.A. Madr.; Lectr.: B. R. Sastry, M.A. Delhi. *Tamil*—Lectr.: P. M. Sundaram, M.A. Annam. *Telugu*—Lectrs.: K. G. Krishna, M.A., L. G. Kantiah, M.A. Madr. *Urdu*—Reader: A. H. Husain; Lectr.: A. Q. K. Baqi.

SAIFABAD INTERMEDIATE SCIENCE COLLEGE. *Postal Address*: Saifabad, Hyderabad, Deccan. Principal—Syed Mohammad Ali Khan, B.Sc. Lond. *Botany*—Lectrs.: S. Alam, M.Sc., R. A. Siddiqi, M.Sc., H. Benazeer, M.Sc. Alig., Dip.Ed. *Chemistry*—Lectrs.: A. Hameed, M.Sc., M. Ganorkar, M.Sc., S. R. Phatak, M.Sc., M. V. A. Baig, M.Sc., A. Husain, M.Sc., A. R. Kulti, M.Sc., A. D. Bhogle, M.Sc., Maheshchand, M.Sc., B. P. Mahindra, M.Sc., A. Hakeem, M.Sc. Luck., L.T. Alld. *English*—Lectrs.: S. H. Juddy, B.A. Madr., K. V. Danial, M.A. Alig, S. P. Mahindra, M.A., S. M. Ahsen, M.A. *Mathematics*—Lectrs.: Bhimsen Rao, M.A., K. Ali, M.A. *Physics*—Reader: M. Fazluddin, M.Sc. Alig.; Lectrs.: Murtunje Rao, M.Sc., S. K. Badami, M.Sc., D. S. R. Murthi, M.Sc. And., Samiullah, M.Sc., A. Rahman, M.Sc., C. Raghupathi Rao, M.Sc. And., Vithal Das, M.Sc., Wamanacharya, M.Sc., K. R. Pathki, M.Sc. *Zoology*—Lectrs: A. R. Qadri, M.Sc., P. Deshpande, M.Sc., M. D. Ashraf, M.Sc.

WOMEN'S COLLEGE. *Postal Address*: Sultan Bazar, Hyderabad, Deccan. (*Telephone*: 5169.) Principal—Miss G. M. Linnell, B.A. Camb. *Arabic and Persian*—Lectrs.: Shrimati Razia Begum, M.A., Shrimati Rafia Sultana, M.A., Shrimati Syeda Mehrunnisa, M.A. *Biology*—Lectrs.: Shrimati Mahboobunnisa Begum, M.Sc., Shrimati Venkatachallem, M.Sc., Shrimati Akhtar Sultana, M.Sc., Shrimati Pasha Begum, M.Sc., Shrimati Hamida Bilquis Jameel, M.Sc. Lond., Shrimati Zahoorunnisa Begum, M.Sc., Saleha Ali Jaffari, M.Sc., M. Kamla Devi, M.Sc., Ayesha Mohd. Ali, M.Sc., K. R. Amjad, M.Sc. *Chemistry*—Reader: Shrimati R. Sundaram, M.Sc. Luck.; Shrimati Rasheeda Patel, M.Sc., Ph.D. Lond.; Lectrs.: Shrimati Qadri Begum, M.Sc., Shrimati Nagamani Kulkarni, M.Sc., Ph.D. Bom., V. V. Iyengar, M.Sc. Mys., Roshan Shroff, M.Sc. *Economics*—Lectrs.: Shrimati Salamathunnisa Begum, M.A., Shahinshah Begum, M.A. Madr., Shrimati G. Somasundram, M.A. Madr. *English*—Lectrs.: Shrimati Shrin D. Shroff, M.A., L.T. Calc., Shrimati Kaneez Fatima Ghousuddin, M.A., Shrimati F. N. Chenoy, M.A. Bom., Shrimati Shakuntala Kumari, M.A. Nag., Shrimati Elizabeth Pothan, B.A. *Hindi*—Lectrs.: Shrimati Roop Karan, M.A. Luck., Shrimati Triloki Devi Singh, M.A. *History*—Readers: Shrimati C. Gibbs, B.A. Mys., Shrimati Zubeda Begum Yazdadi, B.A. Oxon.; Lectrs.: Shrimati Mumtaz Jehan Begum, M.A., Shrimati Vaidhi, M.A. Madr. *Marathi*—Lectrs.: Shrimati Tara Gangadhar Kelkar, M.A., Ph.D. Nag., Shrimati Maya Sirdesai, M.A. *Mathematics*—Lectr.: Shrimati Vanaja Iyengar. *Philosophy*—Lectrs.: Shrimati Abbasi Begum, M.A., Shrimati Tayeba Begum, M.A. *Physics*—Reader: Shrimati E. W. Plowman, M.Sc.; Lectrs.: Shrimati J. Radhabayamma, M.Sc. And., Shrimati D. V. Seeta Bai, M.Sc. And., Shrimati Indu Dixit, B.Sc. Madr. *Political Science and Sociology*—Lectrs.: Shrimati Bimla Luthra, M.A. Panj.; Shrimati T. F. Panjathan, M.A., Shrimati M. P. A. Husain, M.A., Shrimati G. Ratan Shaw. *Sanskrit*—Lectr.: Shrimati Mary G. Burn

Saraswati, M.A. *Telugu*—Shrimati N. Krishna Kumari, M.A. And. *Urdu*—Shrimati Jahan Bano Begum, M.A., Shrimati Zeenathunnisa Begum, M.A.

AFFILIATED COLLEGES

BADRUKA COLLEGE OF COMMERCE. *Postal Address*: Gadwal Palace, Nampalli Station Rd., Hyderabad, Deccan. Principal—Anantha Ram, M.A. *Commerce*—Lectr.: M. Andriah, M.Com. *Economics*—Lectr.: K. G. Srinivasan, M.A. *Stenography*—Lectr.: Sanjeeva Rao.

MEDICAL COLLEGE. *Postal Address*. Afzal Gunj, Hyderabad, Deccan. (*Telephone*: 5196.) Principal—M. K. Pandit, M.B., B.S. Bom., D.T.M. Liv., T.D.D. Wales, F.R.F.P.S. Glas. *Anatomy*—Prof.: V. S. Raghunathan, M.B., B.S.; Readers: S. M. Husain, B.Sc. Alld., M.B., B.S. Luck., Y. A. Mohammad Husain, M.B., B.S. Panj.; Lectrs.: P. V. Ranga Reddy, K. Rama Rao, M.B., B.S., P. Padma Reddy, M.B., B.S., G. Hanumanth Rao, M.B., B.S., Shrimati T. Jaya, M.B., B.S., S. Jain, M.B., B.S. *Medicine*—Prof. M. S. Nawaz, M.B., B.S. Panj.; Lectrs.: H. K. Arab, M.B., B.S, A. H. Siddiqi, M.B., B.S., V. Waghrey, M.B., B.S. *Midwifery*—Prof.: P. M. Shrimati Naidu, F.R.C.S.Ed.; Reader: B. S. Surti; Lectr.: Shrimati V. D. Shenoy. *Ophthalmology*—Prof. P. Ramchander; Lectr.: A. W. Khan, M.B., B.S. *Pathology*—Prof.: V. Gopal Rao; Reader: N. A. Siddiqi, M.B., B.S. Luck.; Lectrs.: M. S. A. Baig, M.B., B.S., V. Yeshwant Rao, R. T. Qureshi, M.B., B.S., N. M. Sathe, M.B., B.S. *Pharmacology*—Prof.: M. Y. Ansari, Ph.D. Edin., M.B., B.S.; Lectrs.: Vasudev Rao, M.B., B.S. *Physiology*—Prof.: S. A. Rahman, M.D., D.T.M. & H. Edin; Readers: R. N. Abhyankar, M.B., B.S. Bom., G. Dastagir, M.B., B.S. Panj., M. A. Zaidi, M.B., B.S., Tahir Ali, M.B., B.S., M. H. A. Baig, M.B., B.S. *Surgery*—Prof.: I. C. Naidu, M.B., B.S. And., M.Sc. Madr.; Lectrs.: A. Salam, M.B, B.S., P. Hanmanth Rao, M.B., B.S.

PEOPLE'S COLLEGE. *Postal Address*: People's College, Nanded, Deccan. Principal—S. S. Barlingay, M.A. Lectrs.: M. D. Padhya, M.A., B.Com., D. S. Kulkerni, M.Com., S. R. Gadgil, M.A., K. R. Shriwadkar, M.A., B. S. Fadnis, M.Sc., K. C. Bhatia, M.A., C. Sudershanam, M.Sc., D. P. Varma, M.A., LL.B., I. Suryanarayan, M.Sc.

PEOPLE'S EDUCATION SOCIETY'S COLLEGE. *Postal Address*: Cantonment, Aurangabad, Deccan. Principal—M. B. Chitnis, M.A. Lectrs.: G. C. Surve, M.A., A. N. Chikhalikar, M.A., D. V. Jog, M.A., M. P. Rege, M.A., N. A. Qureshi, M.A., K. A. Thakar, M.Sc., V. N. Mathur, M.Sc., P. L. Khare, M.Sc., S. P. Aiyer, M.A., G. D. Shemavonekar, M.A., N. P. Sherma, M.A., LL.B., M. N. Wankhede, M.A., R. S. Gupte, M.A., G. V. Nevleker, M.A.

VIVEK VARDHANI COLLEGE. *Postal Address*: Gauligooda, Hyderabad, Deccan. Principal—S. D. Satwalekar, Ph.D. *Civics*—Lectr.: R. Dwarkadas, M.A. *Commerce*—Lectr.: P. M. Sapne, M.Com. Nag. *Economics*—Lectr.: D. K. Rotkar, M.A., B.Com. Nag. *English*—Lectrs.: R. Ramchandra Rao, M.A. Nag., P. S. Rao, M.A., LL.B. Bom. *History*—Lectr.: S. Venkatchala, M.A. Mys.

GENERAL INFORMATION

The University was established in 1918, and its charter was revised in 1947 and 1950. It comprises 10 Facs., namely Arts, Sci., Religion and Culture, Comm., Med., Engin., Agric., Vet. Sci., Educn. and Law. There are 6 Univ.

Colls., 2 Constituent Degree Colls. (including Women's Coll.), 7 Constituent Inter. Colls., 5 affiliated Degree Colls. (including Med. Coll.), 1 Law Coll. and 2 Evening Colls. (one Degree and one Inter.) for those in employment.

In all Degree and Inter. Colls. Engl. is main medium of instruction, but in a few Colls. parallel classes are conducted in Hindustani. In all professional courses Engl. is only medium of instruction. Compulsory Theol. and Ethics have been abolished and replaced by a regional or allied classical language. The place of the Fac. of Theol. has been taken by Fac. of Religion and Culture, which also includes a study of Comparative Religion.

The Univ. is completely autonomous though it is wholly financed by the Govt. The Univ. Council, consisting of 16 members, is the governing body. The Vice-Chancellor is the chief admin. officer. The other bodies of the Univ. are the Finance Cttee., Academic Council, Senate, Faculties and Bds. of Studies.

TERMS. June-Sept.; Oct.-Dec.; Jan.-March.

BUDGET (1952–53). O.S.Rs. 82,40,810. [O.S.Rs. 116·10·8 are equal to Indian Govt. Rs. 100.]

FACULTIES AND DEANS. *Agric.*, P. D. Nair, M.A.; *Arts*, M. Nizamuddin, Ph.D. Lond.; *Comm.*, I. Husain Khan, B.Com. Lond.; *Educn.*, ...; *Engin.*, Prof. M. Athar, B.Sc. Durh.; *Law*, Justice P. J. Reddy, B.A., B.Com., LL.B.; *Med.*, ...; *Sci.*, N. V. Subba Rao, D.Sc. And., Ph.D. Lond.; *Vet. Sci.*, K. S. Nair.

LIBRARY. 111,341 vols. (English, 32,743; Urdu, Persian, Arabic, 16,183; Oriental, 15,277; Gift, 16,674; Salarjung, 30,464). There are 3304 MSS. and 1244 Palm Leaf MSS.

ADMISSION. The qualification necessary for entrance to the Inter. Course is the Higher Sec. Cert. or equivalent cert.

DEGREES. B.A., M.A., Ph.D. in Arts; B.Sc., M.Sc., Ph.D. in Sci.; B.Com. and M.Com. in Comm.; B.E., M.B., B.S., B.V.Sc., B.Sc. (Agri.), B.Ed., M.Ed., LL.B. and LL.M.

DIPLOMAS. French, German and Hindi.

FEES. (Indian Govt. currency) Registration, Rs. 2; Admission, up to Graduate Course, Rs. 5; Postgraduate and Professional Courses, Rs. 10; Inter., Rs. 20 per term; B.A., B.Sc. and B.Com., Rs. 27 per term; M.A., M.Sc., B.Sc. Ag., B.V.Sc., B.E., B.Ed., LL.B., LL.M. and M.B., B.S., Rs. 34 per term; Ph.D., Rs. 40 per term; Dipl. in French or German, Rs. 6.

RESIDENCE. Univ. Hostels provide accomm. for about 1000 students. Cost of living is about Rs. 45 O.S.

STAFF RESIDENCES. Vice-Chancellor's Lodge; quarters for Resident Med. Officer, Warden of Hostels, Teaching and Admin. Staff.

STUDENTS' WELFARE. There is a students' dept. in the Univ. which deals mainly with the problems of students.

NATIONAL CADET CORPS. Hyderabad Indep. Coy., N.C.C., comprising three platoons with 154 cadets and 4 officers.

STUDENT HEALTH SERVICE. Resident Med. Officer with well-equipped clinic on the campus. Visiting physician once a week. Resident students are examined before admission to Hostels.

PUBLICATIONS. *Annual Administration Report* (free); *Syllabuses* (8 as. each).

THE YEAR 1952–53

PRINCIPAL CHANGES IN REGULATIONS. Minor changes made in the Univ.'s Charter. Draft Act under consideration.

SOCIAL AND ADULT EDUCATION WORK. A team of students contd. their soc. service (including Adult Educn.) work.

EXTRA-MURAL WORK. Extension lectures contd. to be given.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Vice-Chancellors of certain Commonwealth Univs. visited the Univ. during the yr.

RETIREMENTS. S. A. Akbar ; K. S. Raghavan ; P. V. R. Sebastian.

HONORARY DEGREES. *D.Litt.*—Sir S. Radhakrishnan, Vice-President, Republic of India ; *LL.D.*—Dr. B. R. Ambedkar ; M. K. Vellodi.

STUDENT NUMBERS (1951–52).

	Full-Time	*Part-Time*
Men	9,931	..
Women	1,223	..
Total	11,154	..

Students from other Countries, 2.

DEGREES AWARDED. Agric., 40 ; Arts, 472 ; Comm., 159 ; Educn., 107 ; Engin., 88 ; Law, 129 ; Med., 41 ; Sci., 296 ; Vet. Sci., 14.

DIPLOMAS AND CERTIFICATES. Inter. Certs. awarded : Arts, 1073 ; Sci., 1090 ; Comm., 63. Dipl. in French, 2 ; Dipl. in German, 1 ; Overseer Cert. Course, 94.

[*Information compiled as at 22/7/54.*]

PANJAB (INDIA) UNIVERSITY *

Founded 1947

Postal Address: Solan, Simla Hills, India.
Telegraphic and Cable Address: University, Solan (India).
Telephone (Registrar): 207.

CHANCELLOR—C. P. N. SINGH, Governor of the Panjab.

VICE-CHANCELLOR AND DEAN OF UNIVERSITY INSTRUCTION—DEWAN ANAND KUMAR, M.A. Camb.

REGISTRAR—BHUPAL SINGH, M.A , D Litt

LIBRARIAN—....

TEACHING STAFF

Astronomy

Syal, R. D., M.A. Lectr.

Botany

Mehra, P. N., D.Sc., F.N.I. Prof. and Hd. of Dept.
Chopra, R. S., M.Sc. Lectr.
Thind, K. S., M.Sc., Ph.D. Lectr.
Malhotra, S. K., M.Sc. Jr. Lectr.
Khoshoo, T N , M Sc. Jr. Lectr.

Chemical Technology

Narayan, B. Hd. of Dept.
Bhalla, M. D., M Sc. (Tech) Lectr.
Singh, J., M.Sc (on study leave).

Chemistry

Mukherji, S. M , Ph.D., D.Sc. Prof. and Hd. of Dept.

Lecturers

Puri, B. R., M.Sc., Ph.D.
Narang, K. S., M.Sc., Ph.D.
Chand, R., M.Sc., Ph.D.
Gupta, I. S., M.Sc. Jr. Lectr.
Lal, K., M.Sc. Jr. Lectr.

Commerce

Datta, K., M.A. Camb., B.Com. Lond. Principal, Univ Commerce Coll.

Lecturers

Bhatia, G. C., M.A.
Dogra, R. M., M.A.
Malhotra, B. N., M.A.
Bansal, B L., M.Com., LL.B.

Economics

Dewett, K. K., M.A., Ph.D. Hd. of Dept.
Rangnekar, S. B., M.A., Ph.D. Bom. (on deputation to Govt. of India). Reader.
Mathur, G., M.A. Camb. Lectr.

English

Sharma, D. C., M.A. Calc., M.P. Hon. Prof. and Hd. of Dept.
Stock, Miss A. G., B.A. Oxon., Dipl. in Educn. Reader.
Kaul, R. K., B.A. Oxon. Lectr.

* Member of the Association of Universities of the British Commonwealth.

Geography

Kapoor, A. N., M.A. Hd. of Dept.
Bhardwaj, O. P , M.A. Jr. Lectr.
Sen, J. C., M A. Jr. Lectr.

Hindi

Madan, I. N., M.A., Ph.D.
Reader and Hd. of Dept.

History

Gupta, H. R., M.A., Ph.D., D.Litt.
Prof. and Hd. of Dept.
Sethi, R. R., M.A., Ph.D. Lectr.

Journalism

Singh, P. P., M.A. Miss. and Lond., B.A., LL.B. Luck., J.D.
Lectr. and Hd. of Dept.

Part-time Lecturers

Kaila, H C.
Singh, J. B.
Akhtar, J. D.
Tholal, M N

Law

Mahajan, D. R., M.A., LL.B.
Principal, Univ. Law Coll.

Readers

Mehta, H. R., LL.M
Mongia, B. S., M.A., LL.B.
Bannerji, E. H , B.A., LL.B.
Sarkar, U. C., M.A., M.L.
Singh, N., B.A., LL.B.

Part-time Lecturers

Mehra, B. S., B.A., LL B.
Lal, C , B.A , LL.B
Singh, N., B.A., LL.B.
Dutt, D., B.A., LL.B
Ahluwalia, H. S., M.A., LL.M
Singh, A., M.A , LL.B.

Mathematics

Bambah, R. P., Ph.D. Camb., M.A. Panj. Reader.

Panjabi

Singh, M., M.A., Ph.D., D.Litt.
Reader and Hd. of Dept.

Pharmaceutical Chemistry and Pharmacognosy

Mehra, P. N., D.Sc., F.N.I.
Hd. of Dept.
Singh, N., M.Sc., Ph.D. Sheff.
Lectr.

Pharmaceutics

Sethi, M S., M.D., B.T M.
Hd. of Dept.
Gaind, K. N., M.Sc., Ph.D., F.R.I.C. Lectr.

Physics

Anand, B M , M.Sc., Ph.D.
Reader and Hd of Dept.
Kalia, P. N., M.Sc., Ph.D. Lectr.
Lal, B , M.Sc. Lectr.
Kumar, K., M.Sc Jr. Lectr.

Physiology

Kumar, S., M.Sc., M.B., B.S.
Hd. of Dept.

Political Science

Sharma, B. R , M.A.
Hd. of Dept.

Sanskrit

Kanta, S., M.A., D.Phil. Oxon., D.Litt. Panj., O.A. (on leave).
Hd. of Dept.
Nath, J., M.A. Lectr.

Zoology

Nath, V., M.Sc., Ph.D. Camb.
Prof. and Hd. of Dept.
Parshad, G., Ph.D. Edin., M.Sc., Ph.D. Panj. Reader.
Arora, G L., M.Sc., Ph.D. Lond., D.I.C. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Dep. Registrar (Admin.) and Secretary Foreign Information Bureau : J. R. Agnihotri, B.A. Oxon., M.A. Panj. Dep. Registrar (Examns.) : N. Lal. Asst. Registrar (Accounts) : J. Narain. Asst. Registrar (Conduct) : B. Raj. Asst. Registrar (Examns.) : K. Mal. Asst. Registrar (Co-ordination) : T. Singh,

M.A., LL.B. Dir. of Phys. Trg. : B. L. Gupta, B.A., D.P.E. Asst. Directress of Phys. Trg. : Miss P. Anand, B.A., D.P.E.

AFFILIATED COLLEGES

AMBALA CANTT., *G.M.N. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., Prabhakar.) Principal—Jaswant Rai, M.A. 30 Teachers.

AMBALA CANTT., *S.D. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A., Prabhakar, Visharad, Shastri.) Principal—P. L. Anand, M.A. 34 Teachers.

AMBALA CITY, *D.A.V. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—Bhagwan Dass, M.A. 23 Teachers.

AMBALA CITY, *S.A. Jain College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—G. C. Jain, M.Sc. 19 Teachers.

AMBALA CITY, *Dev Samaj College for Girls.* (Inter. Arts, B.A., Rattan, Bhushan and Prabhakar.) Principal—Prem Bal Khera, M.A. 48 Teachers.

AMRITSAR, *Govt. College for Women.* (Inter. Arts, Inter. Sc., B.A.) Principal—Mrs. G. K. Maumohan Singh, B.A., Teacher's Cert. 19 Teachers.

AMRITSAR, *Hindu College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—Mehar Chand, M.Sc. 40 Teachers.

AMRITSAR, *Khalsa College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A., M.Sc. and M.Sc. Hons.) Principal—Inder Singh, B.Sc. Wales. 59 Teachers.

BANGA (JULLUNDUR), *Sikh National College.* (Inter. Arts, Inter. Sc., B.A.) Principal—Ram Pershad, M.A. 10 Teachers.

BATALA, *Baring Union Christian College.* (Inter. Arts, Inter. Sc., B.A.) Principal—R. M. Chet Singh, M.A. 21 Teachers.

BHATINDA, *Rajindra College.* (Inter. Arts, B.A.) Principal—Hardit Singh Dhillon, M.A., Ph.D. 16 Teachers.

BHIWANI, *Vaish College.* (Inter. Arts, Inter. Sc., B.A., Prabhakar.) Principal—Hardwari Lal, B.A. 16 Teachers.

BILASPUR, *Govt. Intermediate College.* (Inter. Arts, Inter. Sc.) Principal—K. L. Sethi, M.A. 7 Teachers.

CHANDIGARH, *Govt. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—I. M. Verma, M.A. 24 Teachers.

DHARAMSALA, *Govt. College.* (Inter. Arts, Inter. Sc., B.A.) Principal—Gavri Shankar, B.Litt. Oxon., M.A. 25 Teachers.

FARIDKOT, *Brijindra College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—Jaswant Singh, M.A., Ph.D. 25 Teachers.

FAZILKA, *M.R. College.* (Inter. Arts, Inter. Sc., B.A.) Principal—Sikander Lal, M.A. 14 Teachers.

FEROZEPUR CANTT., *D.C. Jain College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—Prem Singh, M.A., M.Ed. 23 Teachers.

FEROZEPUR CITY, *Dev Samaj College for Women.* (Inter. Arts, B.A., M.A.) Principal—..... 16 Teachers.

FEROZEPUR CITY, *R.S.D. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—S. B. Sen Gupta, M.A. 15 Teachers.

GURGAON, *Dronacharya S.D. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—S. L. Bahl, M.A. 22 Teachers.

GURUSAR SADHAR (LUDHIANA), *G.H.G. Khalsa College.* (Inter. Arts, Inter. Sc., B.A.) Principal—S. Iqbal Singh, B.A., B.T. 16 Teachers.

HARIANA (HOSHIARPUR), *Hindu National College.* (Inter. Arts, Inter. Sc., B.A., Bhushan, Prabhakar and Gyani.) Principal—L. C. Khurana, M.A., Ph.D. 10 Teachers.

HISSAR, *Dayanand College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—Gian Chand, M.A. 20 Teachers.

HISSAR, *Govt. College.* (Inter. Arts, Inter. Sc., B.A.) Principal—Mahavir Singh, M.A. 21 Teachers.

HOSHIARPUR, *D.A.V. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A.) Principal—Ralla Ram, M.A. 27 Teachers.

HOSHIARPUR, *Panjab University College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A., M.Sc. Hons.) Principal—K. K. Dewett, M.A., Ph.D. 47 Teachers.

HOSHIARPUR, *S.D. College.* (Inter. Arts, Inter. Sc., B.A., M.A.) Principal—S. K. Kapoor, M.A. 10 Teachers.

JULLUNDUR, *D.A.V. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A.) Principal—Suraj Bhan, M.A. Lond. 66 Teachers.

JULLUNDUR, *Doaba College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A.) Principal—M. C. Khosla, M.Sc. 35 Teachers.

JULLUNDUR, *Hans Raj Mahila Mahavidyalya.* (Inter. Arts, B.A.) Principal—Vidya Amand. 11 Teachers.

JULLUNDUR, *Kanya Mahavidyalaya.* (Inter. Arts, Inter. Sc., B.A., M.A.) Principal—Lajja Vati. 21 Teachers.

JULLUNDUR, *Lyallpur Khalsa College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A., Gyani.) Principal—Gurbachan Singh Talib, M.A. 21 Teachers.

KAITHAL, *R.K.S.D. College.* (Inter. Arts, Inter. Sc.) Principal—B. P. Sarup, M.A. 7 Teachers.

KALALMAJRA KHANNA (LUDHIANA), *A.S. College.* (Inter. Arts, Inter. Sc., B.A.) Principal—S. Ram, M.A. 13 Teachers.

KAPURTHALA, *Randhir College.* (Inter. Arts, Inter. Sc., B.A., Prajna, Visharada, Shastri.) Principal—D. N. Kak, M.Sc. 19 Teachers.

KARNAL, *Dyal Singh College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—S. R. Grover, M.A., B.Sc. 29 Teachers.

LUDHIANA, *Arya College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., Prabhakar, Gyani.) Principal—S. R. Suri, M.Sc. 26 Teachers.

LUDHIANA, *Govt. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A.) Principal—Vidya Chander, M.A. 75 Teachers.

LUDHIANA, *Govt. College for Women.* (Inter. Arts, Inter. Sc., B.A.) Principal—Miss S. Sen, B.A. Lond., B.T. 24 Teachers.

LUDHIANA, *G.G.N. Khalsa College.* (Inter. Arts, Inter. Sc., B.A.) Principal—Mahan Singh, M.Sc. 14 Teachers.

MAHILPUR (HOSHIARPUR), *S.G.G.S. Khalsa College.* (Inter. Arts, Inter. Sc., B.A.) Principal—Harbhajan Singh. 16 Teachers.

MALERKOTLA (PEPSU), *Malerkotla College.* (Inter. Arts, B.A.) Principal—B. N. Chopra, M.A. 8 Teachers.

MALERKOTLA, *S.A. Jain College.* (Inter. Arts, Inter. Sc., B.A.) Principal—T. S. Bagga, M.A. 7 Teachers.

MANDI, *Vallabh Mahavidyalaya.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—Raj Naram Mathur, M.A. 20 Teachers.

MOGA, *D.M. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A., Prabhakar, Gyani.) Principal—R. K. Kumar, M.A. 28 Teachers.

MUKTSAR (FEROZEPUR), *Govt. College.* (Inter. Arts, Inter. Sc., B.A.) Principal—Jagjiwan Singh, M.A. 16 Teachers.

NABHA, *Ripudaman College.* (Inter. Arts, Inter. Sc., B.A.) Principal—B. D. Batta, M.Sc. 23 Teachers.

NARNAUL, *Govt. College.* Principal—N. C. Khosla, M.A.

NAWANSHAHR (JULLUNDUR), *Raaha Krishan Arya College.* (Inter. Arts, Inter. Sc., B.A.) Principal—Nand Lal, M.A. 14 Teachers.

NEW DELHI, *Panjab University Camp College,* Reading Rd. (Inter. Arts, Inter. Sc., B.A., M.A.) Principal—..... 67 Teachers.

PANIPAT, *Arya College.* (Inter. Arts, Inter Sc., B.A.) Principal—Sunder Lal Malhotra. 11 Teachers

PATHANKOT, *S.M.D.R.S.D. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—F. C. Arora, M.A. 15 Teachers.

PATIALA, *Mahendra College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A.) Principal—A. R. Khanna, M.A. 48 Teachers.

PATIALA, *Govt. College for Women.* (Inter. Arts, B.A.) Principal—Mrs. G. Parampal Singh, M.A. 13 Teachers.

PATIALA, *Yadavindra Public College.* (Inter. Arts, Inter. Sc.) Principal—Lt. Gola Smith. 8 Teachers.

QADIAN, *Sikh National College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—Harkishan Singh, M.A. 20 Teachers.

REWARI, *Ahir College.* (Inter. Arts, Inter. Sc., B.A.) Principal—Wadhawa Ram, M.A. 16 Teachers.

ROHTAK, *All India Jat Heroes' Memorial College.* (Inter. Arts, Inter. Sc., B.A. Prabhakar.) Principal—S. N. Sanyal, M.A. 17 Teachers.

ROHTAK, *Govt. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—R. R. Kumria, M.A. 41 Teachers.

ROHTAK, *Vaish College.* (Inter. Arts, Inter. Sc., B.A.) Principal—H. K. Bhattacharya, M.A. 21 Teachers.

RUPAR, *Govt. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—Mohan Lal Sethi, M.Sc., Ph.D. 37 Teachers.

SANGRUR, *Ranbir College.* (Inter. Arts, Inter. Sc., B.A.) Principal—Balwant Singh, M.A., B.T. 22 Teachers.

SANGRUR, *Ranbir College for Women.* (Inter. Arts.) Principal—Mrs. J. K. Grewal. 7 Teachers.

SATNAMPURA (PHAGWARA), *Ramgarhia College.* (Inter. Arts, Inter. Sc., B.A., M.A.) Principal—Kirpal Singh, M.A. 18 Teachers.

SIDHWAN KHURD (LUDHIANA), *Khalsa College for Women.* (Inter. Arts, B.A.) Principal—Mrs. S. K. Avtar Singh, M.A., B.T. 4 Teachers.

SIMLA, *B.M. College.* (Inter. Arts, Inter. Sc., B.A.) Principal—Ugra Sen, M.A. 19 Teachers.

SIMLA, *S.D. College.* (Inter. Arts, Inter. Sc., B.A., M.A.) Principal—B. K. Sharma, M.A. 20 Teachers.

SONEPAT, *Chhotu Ram Arya College.* (Inter. Arts, Inter. Sc., B.A.) Principal—H. C. Bali, M.A. 18 Teachers.

TANDA URMAR, *Govt. College.* (Inter. Arts, B.A.) Principal—Lal Chand Gupta. 14 Teachers.

PROFESSIONAL COLLEGES

AMBALA, *Sohan Lal Training College.* (Education—B.T.) Principal—Ghansham Sass.

AMRITSAR, *Dental College.* (B.D.S.—first and second Professionals.) Principal—J. C. Manchanda. 4 Teachers.

AMRITSAR, *Khalsa College.* (Agriculture—F.E.A., B.Sc., B.T.) Principal—Inder Singh, B.Sc. Wales. 6 Teachers.

AMRITSAR, *Medical College.* (Medicine—M.B., B.S., D.T.D., D.O.M.S., Dipl. in Pharmacy and Dressers' Course.) Principal—K. L. Wig, M.B., B.S., D.P.H. Lond. 65 Teachers.

BHIWANI, *Technological Institute of Textiles.* (B.Sc. Text.) Principal—D. L. Sen, M.Sc.Tech. Manc., M.Sc. Bom., F.R.I.C. 18 Teachers.

BHIWANI, *Vaush College.* (Education—B.T.) Principal—Hardwari Lal, B.A.

CHANDIGARH, *Panjab Engineering College.* (B.Sc. (Eng.), Civil, Mech. and Electr.) Principal—S. R. Mehra. 14 Teachers.

FARIDKOT, *Bikram College of Commerce.* (Commerce—B.Com.) Principal—Raj Narain, M.A., B.Com., LL.B. 6 Teachers.

FARIDKOT, *Brijndra College.* (Education—B.T., Agriculture—F.E.A.) Principal—Jaswant Singh, M.A., Ph.D. 7 Teachers.

FEROZEPUR, *Dev Samaj College for Women.* (B.T.) Principal—.....

HISSAR, *Dayanand College.* (Education—B.T.) Principal—Gian Chand, M.A.

HISSAR, *Panjab College of Science and Animal Husbandry.* (B.V.Sc.) Principal—Jagnandan Singh. 18 Teachers.

JULLUNDUR, *Govt. Training College.* (Education—B.T., M.Ed.) Principal—G. D. Khanna, M.A. 19 Teachers.

JULLUNDUR, *Law College.* (Law—LL.B.) Principal—Des Raj Mahajan, M.A., LL.B. 12 Teachers.

JULLUNDUR, *University College of Commerce.* (Commerce—B.Com.) Principal—Krishan Dutta, M.A. Camb., B.Com. Lond. 6 Teachers.

LUDHIANA, *Christian Medical College.* (M.B., B.S.—first Professional.) Principal—Dr. E. R. B. Snow. 43 Teachers.

LUDHIANA, *Govt. Agriculture College.* (Agriculture—F.E.A., B.Sc., M.Sc.) Principal—B. S. Sawhney, B.Sc. Edin., M.Sc. 26 Teachers.

MOGA, *D.M. College.* (Education—B.T.) Principal—R. K. Kumar, M.A. 5 Teachers.

PATIALA, *Govt. Medical College.* (M.B., B.S.—first Professional.) Principal—Lt.-Col. P. C. Datta. 15 Teachers.

REWARI, *Ahir College.* (Education—B.T.) Principal—Wadhawa Ram, M.A. 6 Teachers.

ROHTAK, *All India Jat Heroes' Memorial College.* (Education—B.T.) Principal—S. N. Sanyal, M.A. 5 Teachers.

ROHTAK, *Vaish College.* (Commerce—B.Com., Education—B.T.) Principal—H. K. Bhattacharya, M.A. 4 Teachers.

RUPAR, *Govt. College for Physical Education.* (Dipl. in Phys. Ed.) Principal—S. R. Mahindroo. 7 Teachers.

SIDHWAN KHURD, *Khalsa College for Women.* (Education—B.T.) Mrs. S. K. Avtar Singh, M.A., B.T. 6 Teachers.

SIMLA, *Govt. Training College for Women.* (Education—B.T.) Principal—S. Y. Harvey, M.A. Edin., L.T. 12 Teachers.

GENERAL INFORMATION

Following the partition of the Panjab, the University was established in Oct. 1947, under Ordinance No. VII, promulgated by H.E. the Governor of the Panjab. This Ordinance was subsequently replaced by the Panjab University Act No. VII of 1947, with effect from Dec. 1, 1947. At present its jurisdiction extends over the Panjab, Patiala and East Panjab States Union and Himachal Pradesh.

The Univ. is a teaching, affiliating and examining body and is open to all irrespective of colour, creed, class or sex.

CONSTITUTION. The Univ. consists of the Chancellor, the Vice-Chancellor, the Senate, the Syndicate. The Governor of the Panjab is the *ex-officio* Chancellor of the Univ. The Vice-Chancellor is one of the Fellows of the University, nominated by the Chancellor. The Vice-Chancellor holds his office for a period of two yrs. but is eligible for reappointment. The Senate have the entire management of, and superintendence over, the affairs and property of the Univ. in accordance with the Statutes, Rules and Regulations. The Executive Government of the Univ. is vested in the Syndicate, which consists of: (*a*) the Vice-Chancellor as Chairman; (*b*) the Director of Public Instruction, Panjab; (*c*) fifteen *ex-officio* or ordinary Fellows elected by the Facs. The Registrar is the Chief Executive Officer of the Senate and the Syndicate.

The LANGUAGE OF INSTRUCTION is English, except in Classical and Modern Indian Language classes, where the medium of instruction is the lang. concerned, or an allied lang. As part of the policy of replacing English by Hindi and Panjabi, M.A. examns. in Hindi and Panjabi are conducted in the lang. concerned. The M.A. examn. in Sanskrit is also conducted in Sanskrit, Hindi and Panjabi. A candidate for the Matric. examn. can choose English and any one of the Indian Langs. (Urdu, Hindi or Panjabi) for papers in subjects other than English.

FACULTIES AND DEANS. *Agriculture,* H. R. Saini; *Arts,* J. Singh; *Commerce,* Hon. Justice M. C. Mahajan; *Education,* D. T. Singh; *Engineering,* S. R. Mehra; *Law,* Hon. Justice A. N. Bhaudari; *Medicine,* Dr. K. L. Wig; *Oriental Learning,* Prof. D. C. Sharma; *Science,* Dr. V. Nath; *Veterinary Science,* B. N. Handa; Dean of *University Instruction,* D. A. Kumar.

ADMISSION. The minimum qualifn. necessary for admission to the Univ. is the passing of the matricn. examn. or an examn. recognized as equivalent. The following have been so recognized: (1) Matricn. and New Matricn. examn. of Hong Kong Univ.; (2) Sr. Secondary School Certif. Examn. of Ministry of

Educn., N. Ireland ; (3) Matricn. Examn. of New Zealand Univ. ; (4) European School Final Examn. (qualifying to enter a coll. in Burma) of Rangoon Univ. ; (5) Matricn. Examn. of Univ. of Sydney; (6) High Sch. Final Examn. (Burma) ; (7) Matricn. Examn. of N.U.I. ; (8) G. C. E. Examn. (Ordinary level Passes) of Univ. of Lond.

LOCATION OF TEACHING DEPARTMENTS. *Phys., Chem., Zool., Econ., Engl., Hist., Computation, Maths.*, Panj. Univ. College, Hoshiarpur. *Technology*, Delhi Polytechnic. *Bot., Panjabi, Pharm. Chem. and Pharmacog.*, Khalsa Coll., Amritsar. *Pharmaceutics, Physiol.*, Med. Coll., Amritsar. *Law, Comm., Sanskrit and Hindi*, Jullundur City. *Astron. and Geog.*, Govt. Coll., Ludhiana. *Journalism*, Panj. Univ. Camp Coll., Reading Rd., New Delhi.

DEGREES. B.A., B.Sc., 4 yrs. after Matric. ; B.Sc.Ag., 4 yrs. after Matric. ; B.Com., 3 yrs. after Inter. ; B.Sc. (Engg.), 3 yrs. after Inter. ; LL.B., 2 yrs. after grad. ; LL.B. (Final), 3 yrs. after grad. ; B.T., 1 yr. after grad. ; B.V.Sc., 4 yrs. after Inter. Sci. ; B.Pharm., 3 yrs. after Inter. (Med. Gp.) ; B.Sc. Hons., 3 yrs. after Inter. Sci. ; M.B., B.S., 5 yrs. after pre-med. examn. ; B.Sc. Text., 3 yrs. after Inter. Sci. ; B.D.S., 4 yrs. after Inter. (Med. Gp.).

HIGHER DEGREES. M.A. in English, Maths., Hist., Pol. Sci., Econ., Sanskrit, Hindi, Panjabi, Philos., Psychol., Geog., 2 yrs. after graduation. M.Sc. Hons. in Phys., Chem., Bot., Zool., Chem. Technol., 1 yr. after B.Sc. Hons. M.Sc. Agri., 2 yrs. after B.Sc.Agri. M.Com., 2 yrs. after B.Com. ; LL.M., 2 yrs. after LL.B. M.S., M.D., by thesis and examn., 3 yrs. after M.B., B.S. M.Pharm., 1 yr. after B.Pharm. M.V.Sc., 3 yrs. after B.V.Sc. Ph.D. (Arts and Sci.), by thesis, 3 yrs. after Master's degree. D.Litt., D.Sc., by thesis, 6 yrs. after Master's degree. D.O.L. (Oriental), 6 yrs. after Master's degree. LL.D., by res. after LL.M. degree. Ph.D. (Medical), by thesis and examn., 3 yrs. after M.B., B.S.

DIPLOMAS. Journalism, 1 yr. after graduation ; Tuberculosis Dis. (D.T.D.), 1 yr. after med. qualification (M.B., B.S. or L.M.S.) ; Ophthalmic Med. and Surg. (D.O.M.S.), 1 yr. after med. qualification (M.B., B.S. or L.M.S.) ; Laryngol. and Otol. (in abeyance at present).

STUDY LEAVE up to two yrs., on three-quarters' pay, may be granted after five yrs.' permanent service.

TERMS. Oct.-Dec. ; Jan.-March ; April-June.

PRIVATE CANDIDATES. Men in certain professions such as teaching, librarianship, govt. or Univ. service, may appear as private candidates in Arts but not Science. Women may appear as private candidates in Arts but not Science, nor for any professional examn., nor for the Master's degree.

LIBRARIES. The Panjab Univ. Library (over 43,000 vols.) is located at the United States Club, Simla. Approx. Rs. 100,000 are spent annually in purchase of books and journals.

SCHOLARSHIPS. 95 scholps. are awarded on the results of the matric. examn., and 38 on those of the Inter. examn.

ONE TEACHING HOSPITAL is attached to the Med. Coll., Amritsar.

STUDENT RESIDENCES. Every affiliated coll. has a hostel attached. No student is admitted until his residence is arranged. Every student of a coll. not living with parents or guardians must reside during teaching period at an approved hostel or lodge.

STUDENT HEALTH. Each affiliated coll. has a Med. Officer.

SPORT. The Asst. Dir. of Phys. Training is in charge of the phys. welfare of male students ; the Asst. Directress is in charge of that of female students. In addition, each affiliated coll. has a Phys. Dir. who conducts sports and other phys. activities among the students of the coll.

NATIONAL CADET CORPS. A no. of N.C.C. battalions have been allotted to 40 colls. for men. This Corps has taken the place of the Univ. O.T.C. Members of the N.C.C. may offer Military Training as additional optional paper (in place of additional optional vernacular) for the inter. and degree examns. The 3rd Panj. Girls' Troop of the N.C.C. has been raised in the Govt. Coll. for Women, Ludhiana.

EXTENSION LECTURES. The Univ. invites specialists to address the students in various colls. The lectures are of a general nature.

PUBLICATION BUREAU. Started in 1948 to prepare and encourage the publication of standard works in Hindi and Panjabi.

PUBLICATIONS. *Calendar.* The Univ. publishes *Arts and Science Journals* from time to time.

A UNIVERSITY PRESS has recently been set up which deals with most printing work except books.

THE YEAR 1953–54

Panjab University Camp Coll., New Delhi (founded to help refugee students), extended to 1955, is now an evening coll. for the educn. of employees of the Central Govt. and local bodies.

The Univ. is still without a central home. Efforts are being made to establish it in the capital of the state. For the present, postgrad. teaching has been centralized at Hoshiarpur in the Panjab Univ. Coll., previously known as Govt. Coll.

PRINCIPAL CHANGES IN REGULATIONS. (1) B.T. examn. made biennial. (2) M.A. examn. in Econ. to consist of five papers instead of four, and thesis to carry 100 marks instead of 200. (3) From 1954 candidates for Matric. are permitted to write in Hindi, Panjabi or Urdu, besides English. (4) From 1954 candidates may offer Bengali as an addnl. optional subject for B.A., B.Sc. examns. (5) M.A. examn. to be divided into two parts, each of four papers.

RETIREMENTS. C. L. Anand, Principal, Law College, Jullundur City; I. M. Kapoor, Principal, University College of Commerce, Jullundur City.

DEATHS. R. B. M. L. Puri, Fellow of Senate ; B. B. Singh, former Dir. of Educn., Pepsu, and Fellow of Senate.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	28,802	3295
Women	3,791	44
Total	32,593	3339

DEGREES. B.A., 6257 ; B.Sc., 400 ; B.Sc. Hons., 59 ; D.Sc. Engg., 40 ; B.Com., 57 ; B.Sc. Agric., 91 ; LL.B. Pass, 162 ; LL.B. Final, 99 ; B.V.Sc., 25 ; B. Pharm., 10 ; M.B., B.S., 90 ; M.A., 1045 ; M.Sc. Hons., 43 ; Ph.D. Arts, 5 ; Ph.D. Science, 1 ; D.Sc., 1 ; B.T., 574.

[*Information compiled as at* 10/7/54.]

PATNA UNIVERSITY*

Founded 1917

Postal Address : Patna 5, Bihar State, India.
Telephone (Registrar) : Patna 2322 ; (Office) : Patna 2105.

CHANCELLOR—H.E. R. R. DIWAKAR, Governor of Bihar.

VICE-CHANCELLOR—B NARAYANA, M.Sc., M.B. Calc., Ph.D. Edin., F.N.I.

TREASURER—RAMA CHARITRA SINGH, M.Sc.

REGISTRAR—JAGATNANDAN SAHAY, M.A., T.D. Lond.

DEPUTY REGISTRAR—.....

BUDGET AND ACCOUNTS OFFICER—ANANT NARAIN PRASAD, B.A.

ASSISTANT REGISTRAR—SYED YAWAR HUSSAIN, B.A.

HEADS OF UNIVERSITY TEACHING DEPTS.

Ancient Indian Hist. and Culture
Altekar, A S., M.A., LL.B., D.Litt. Ban.

Appl. Econ. and Comm.
Mishra, B. R., M.A., LL B., Ph.D., D.Sc. Lond.

Appl. Psychology
Sinha, D , M.Sc. Camb., M.A.

Arabic
Quddus, H. M., M.A.

Botany
Roy, R. P., M Sc., Ph.D. Camb.

Chemistry
Sinha, P. C., M.Sc., Ph.D.

Economics
Mukherjie, B. N., M.A.

Education
Prasad, R., M.Sc., M.Ed.

English
Sinha, R. K., M.A., D.Phil. Oxon.

Experimental Psychol
Abdin, M. Z., B.A Lond.

Geography
Dayal, P., M.A., Ph.D. Lond.

Geology
Chatterji, S. C , D.Sc. Calc., F.N.I.

Hindi
Prasad, B , Ph.D. Lond., M.A., B.L.

History
Datta, K. K., M.A., Ph.D. Calc.

Labour and Soc. Welfare
Singh, A., M.S.Sc. N.Y., M.A. Ill. and Pat.

Maithili
Jha, S., M.A., Ph.D. Lond.

Mathematics
Nath, N. S. N., M.Sc., Ph.D. Camb.

* Member of the Association of Universities of the British Commonwealth.

Persian
Hussain, I., M.A., B.L., Ph.D.

Philosophy
Jha, H. M., M.A.

Physics
Singh, B. N., D.Sc. Ban.

Political Science
Menon, V. K. N., M.A. Oxon.

Sanskrit
Chowdhury, T. P., M.A., B.L., Ph.D.

Sociology
Prasad, N., A.M. Col and Pat

Statistics
Lal, D. N., M.A , Ph.D. Edin.

Urdu
Orainvi, S A A., M.A.

Zoology
Keshava, S., Ph.D. Edin., M.Sc.

CONSTITUENT COLLEGES

BANKIPORE (PATNA), *Bihar National College*. B.A., B.Sc. Principal—S. N. Roy. Profs.: *Engl.*—B. N. Mukherjee, M.A.; *Hist.*—T. P. Bhattacharya, M.A., Ph.D.; *Hindi*—T. N. Singh, M.A.; *Sansk.*—S. N. Bhattacharya, M.A.; *Pers.*—A. Sayeed, M.A.; *Urdu*—S. N. Kazim, M.A.; *Econ.*—S. K. Bose, M.A.; *Psychol.*—N. L. Kanji, M.Sc. Calc.; *Politics*—S. L. Singh, M.A.; *Maths.*—L. M. M. Prasad, M.A.; *Philos.*—A. K. Verma, M.A.; *Chem.*—N. K. Basu, M.Sc.; *Phys.*—S. N. Roy, M.Sc. Calc. 70 other Profs., Lectrs. and Demrs.

BANKIPORE (PATNA), *Magadh Mahila College*. B.A. Principal—Mrs. Ramola Nandi, M.A. (on leave); Actg. Principal—Mrs. V. Gupta. Lectrs.: *Engl.*—Miss P. R. Prasad, M.A.; *Hist.*—Mrs. J. Basu; *Econ.*—Mrs. A. Bose. 11 other Lectrs.

BANKIPORE (PATNA), *Patna Training College*, M.Ed. Principal—D. P. Gupta, Ph.D. Ban., M.A., M.Ed. Teachers: R. Prasad, M.Sc., M.Ed.; S. Sahaya, M.A., M.Ed., B.Litt. Dub., and 4 others.

BANKIPORE (PATNA), *Patna Women's Training College*. Dipl. in Educn. Principal—Mrs. S. Sinha. Lectrs.: Mrs. V. Mulay, M.A. Leeds and Patna; Miss Uma Sinha, M.A. Lond., Dip. in Ed. Dub.; A. A. Kayimi, M.A. Camb. Several part-time Lectrs.

BANKIPORE (PATNA). *Prince of Wales' Medical College*. M.B., B.S.; M.D.; M.S. Principal and Prof. of *Ophthalmol.*—D. Ram, B.Sc., M.D. Calc., D.O.L., D.O.M.S. Lond. Profs.: *Anat.*—T. P. Sinha, M.Sc. Penn., M.B., B.S.; *Biochem. and Physiol.*—A. S. Sinha, Ph.D.; *Preventive and Social Med.*—H. Prasad, M.B. Calc., D.P.H. Calc., D.T.M. & H. Lond., D.T.M. Liv.; *Med.*—.....; *Surg.*—U. P. Sinha, F.R.C.S. Ed.; *Pharmacol.*—G. Achari, Ph.D. Leeds; *Pathol.*—G. Prasad, B.Sc., M.D., D.T.M. Liv., D.C.P. Lond.; *Forensic Med.*—R. Hussain, B.Sc., M.B., B.S.; *Obstetr. and Gynæcol.*—Miss M. P. John. 58 other Profs. and Lectrs.

MAHENDRU (PATNA), *Bihar College of Engineering*. B.Sc. (Eng.). Principal—N. N. G. Dastidar, B.Sc.Tech. Manc. 23 other Profs. and Lectrs.

MAHENDRU (PATNA), *Law College*. B.L. Principal—B. K. Sinha, B.A., B.L. Vice-Principal—S. A. Varis, M.A. Camb. 14 other Lectrs.

PATNA, *Institute of Music*. Certif. and Dipl. in Music. Dir.—R. L. Roy, B.Sc., B.A.; Instrs.: L. N. Kapoor, L. V. Musalgaonkar.

PATNA, *Patna College*. B.A. Principal—Sri Kalimuddin Ahmad, B.A. Camb., M.A. Heads of Depts.: *Hindi*—N. V. Sharma, M.A.; *Sanskrit*—

R. N. Sharma, M.A.; *Engl.*—D. P. Vidyarthi, M.A., Ph.D. Lond.; *Hist.*—Prof. S. H. Askari, M.A.; *Philos.*—N. Mishra, M.A.; *Geog.*—S. A. Majid, M.A., Ph.D. Lond.; *Psychol.*—S. M. Mohsin, M.A., Ph.D. Edin.; *Arabic*—A. A. Kazimi, M.A.; *Persian*—S. Hasan, M.A.; *Urdu*—S. M. Sadruddin, M.A.; *Maithili*—J. Mishra, M.A.; *Econ.*—R. N. Tripathi, M.A. 24 other Profs. and Lectrs.

PATNA, *Patna Women's College.* B.A. Principal—Rev. Mother M. Theodosia. Profs.: *Econ.*—Rev. Sister M. Florence; *Geog.*—Sister Honorine; *Maths.*—Miss A. Mitra; *Philos.*—Sister Vera; *Hist.*—Rev. Sister M. Scholastica; *Hindi*—Mrs. J. Verma, M.A. 12 other Lectrs.

PATNA, *Science College.* B.Sc. Principal—M. Q. Doja, B.A. Camb. Heads of Depts.: *Maths.*—V. R. Chariar, D.Sc.; *Geol.*—S. N. Wakhloo, M.Sc., Ph.D. Panj.; *Zool.*—M. A. Majeed, M.Sc.; *Bot.*—J. P. Sinha, M.Sc.; *Phys.*—L. M. Chatterjee, M.Sc.; *Chem.*—B. P. Gyani, Ph.D. Lond. and Patna, M.Sc. 40 other Profs. and Lectrs.

GENERAL INFORMATION

Founded as a teaching and affiliating University, 1917. Most of the teaching was originally conducted in the "Admitted Colleges." Since 1952 the University has become a teaching and residential University under the Patna University Act, 1951, with its jurisdiction within the Patna Corporation area.

LIBRARY. 58,150 vols.

FACULTIES AND DEANS. *Arts*: Sri K. Ahmad; *Comm.*: Dr. B. R. Mishra; *Educn.*: Mrs. S. Sinha; *Engin.*: N. N. G. Dastidar; *Law*: B. K. Sinha; *Med.*: Dr. D. Ram; *Sci.*: Dr. B. N. Singh.

DEGREES. B.A., M.A., Ph.D., D.Litt., B.Sc., M.Sc., D.Sc., M.Ed., B.L., M.L., D.L., B.Sc. (Eng.), M.B., B.S., M.D., M.S., B.O.L., M.Com., M.O.L.

The usual LANGUAGE OF INSTRUCTION is Hindustani up to Bachelor's degree stage and English at the postgraduate stage.

RECOGNITION OF EXAMNS. is accorded by Oxon., Camb., Lond., Dub., Edin. and other Univs.

PUBLICATIONS (all annual). *Calendar*, Rs. 4; *Minutes*, Rs. 2; *Courses of Studies* for each Examination, As. 6; *Question Pamphlets* (each examn., As. 6); *Regulations*, R. 1; *Readership Lectures* (on a variety of subjects), R. 1·4 to Rs. 4·8.

THE YEAR 1952–53

NEW BUILDINGS. Quarters for Asst. Registrar and Budget and Accts. Officer constructed.

PRINCIPAL CHANGES IN REGULATIONS. Some new regulations were made in the light of the Provisions of the Patna University Act of 1951.

VISIT BY MEMBER OF STAFF FROM OTHER UNIVERSITY. Prof. Tucci, Rome.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. H. P. Maiti (Appl. Psychol.) and Dr. B. R. Misra (Appl. Econ. and Comm.) visited U.S.A. under the Fulbright Scheme.

RETIREMENTS. G. Bhattacharya, Prof. of Philos., Patna College.

STUDENT NUMBERS. 7336 (Men and Women).

DEGREES AWARDED. *Arts*: B.A., 525; M.A., 361. *Educn.*, M.Ed., 41. *Engin.* (B.Sc.), 83. *Law*: B.L., 374. *Med.*: M.B., B.S., 113; M.D., 4; M.S., 4. *Sci.*: B.Sc., 147; M.Sc., 64; Ph.D., 1; D.Litt., 1.

DIPLOMAS AND CERTIFICATES AWARDED. Dipl. in Educn., 106; Dipl. in Labour and Social Welfare, 12; Dipl. in. Internat. Relations, 2; Dipl. in Public Admin. and Local Govt., 6; Certif. in Music, 8

[*Information compiled as at* 5/7/54.]

UNIVERSITY OF POONA

Founded 1948

Postal Address : Ganeshkhind, Poona, 7, India.
Telegrams : Unipuna.
Telephone : Poona, 3408, 3038, 3222.

CHANCELLOR—H.E SHRI GIRJA SHANKAR BAJPAI, K.C S.I., K.B.E., B A. Oxon., Hon. D Litt. Delhi, B.Sc.

VICE-CHANCELLOR—Rt. Hon. M. R. JAYAKAR, M.A., D.C.L. Oxon., LL.D. Alld.

DEANS OF FACULTIES—*Agriculture*, Principal L. S. S. KUMAR, M.Sc. Lond., D.I.C., *Arts*, Lt.-Col. R D. KARMARKAR, M.A ; *Engineering*, Principal G. R. VARTAK, B.E ; *Law*, R B PHADKE, M.A., LL.B. Bom ; *Medicine*, V R. KHANOLKAR, B.Sc., M.D. ; *Science*, Prof. B. V. BHIDE, M.Sc. ; *Social Sciences*, M. D. V. POTDAR, M.A.

REGISTRAR—G. P BHOSLE, B A., B Sc. (Econ.) Lond.

DEPUTY REGISTRAR—D. K. GARDE, M A.

ASSISTANT REGISTRAR—R. B MANERIKAR, M.A., LL.B.

TEACHING STAFF

[Teachers appointed by the Univ., who are also *ex-officio* Hds. of the respective Univ. Depts.]

Botany

Mahabale, T S , B.A , M Sc , Ph.D. F.N.I.

Chemistry

Kulkarni-Jatkar, S. K., M.Sc., Ph.D. Bom. Univ. Prof.

Experimental Psychology

Kothurkar, V. K., B.A. Camb. Univ. Reader.

Geography

Gananathan, V. S., M.A. Madr. and Syracuse Univ. Reader.

Marathi

Tulpule, S. G., M.A., Ph.D. Bom. Univ. Prof.

Mathematics

Huzurbazar, V S., M.A , Ph.D. Camb., F.S S.

Physics

Chiplonkar, M. W., D.Sc. Reader.

Politics

Deshpande, N. R., M.A. Bom., Ph.D. Col. Univ. Reader.

Sanskrit

Dandekar, R. N., M.A. Bom., Ph.D. Berl. Univ. Prof.

Zoology

Ilse, Dora, Ph.D. Reader.

ADMINISTRATIVE AND OTHER STAFF

Deputy Librarian : K. S. Hingwe, M.A., Dip.Lib.Sc. Madr. Sec. Foreign Univ. Information and Employment Bureau : A. B. Arlic, B.Sc. Sec. Bd. of Extra-Mural Studies : A. V. Naik, M.A., Ph.D. Office Supt. : ..... Manager Univ. Press : S. R. Paranjape.

AFFILIATED AND CONSTITUENT DEGREE COLLEGES

AHMEDNAGAR, *Ahmednagar College* (1947). Inter. Arts and Sci., B.A. (General and Hons.), M.A. Principal—T. Barnabas, M.Sc. 19 teachers.

AMALNER, *Pratap College* (1945). B.A. (General and Hons.) and B.Sc. Principal—V. P. Damle, M.Sc., Ph.D. Lond., D.I.C. 18 teachers.

JALGAON, *Mooljee Jaitha College* (1945). B.A. (General and Hons.) and B.Sc. Principal—Y. S. Mahajan, B.Sc. (Econ.) Lond. 23 teachers.

KARAD, *Sadguru Gadage Maharaj College*. Inter. Arts. Principal—R. K. Kanbarkar, M.A. 8 teachers.

KOLHAPUR, *Gopal Krishna Gokhale College* (1950). Inter. Arts. Principal—B. H. Khardekar, B.A. Camb. 4 teachers.

KOLHAPUR, *Rajaram College* (1880). B.A. (General and Hons.), B.Sc. Principal—A. Menezes, M.A. 45 teachers.

KOLHAPUR, *Shahaji Law College* (1933). LL.B. Principal—S. G. Dabholkar, M.A., LL.B. 7 teachers.

KOLHAPUR, *Shri Maharani Tarabai Teachers College* (1934). B.T. Principal—S. M. Thigale, M.A., LL.B., B.T. 9 teachers.

NASIK, *Hansraj Pragji Thackersey College* (1924). B.A. (General and Hons.) and Inter. Sci. Principal—K. V. Gajendragadkar, M.A. 20 teachers.

POONA, *B.J. Medical College*, Poona, 1. (*Telephone*: 3189.) (1946.) Up to Third M.B., B.S. Principal—B. M. Desai, M.S. Bom. 45 teachers.

POONA, *Brihan Maharashtra College of Commerce*, Poona, 5. (*Telephone*: 3343.) (1943.) B.Com. Principal—T. M. Joshi, M.A. 17 teachers.

POONA, *College of Agriculture*, Poona, 5. (*Telephone*: 2561.) (1907.) B.Sc. (Agr.). Principal—L. S. S. Kumar, M.Sc. Lond., D.I.C. 50 teachers.

POONA, *College of Engineering*, Poona, 5. (*Telephone*: 2685.) (1865.) B.E. (Civil, Mech., Elect., Metall. and Telecommun.). Principal—T. N. Tolani, B.E. Bom. 64 teachers.

POONA, *Fergusson College*, Poona, 4. (*Telephone*: 3112.) (1884.) B.A. (General and Hons.) and B.Sc. Principal—D. D. Karve, M.Sc., Ph.D. 42 teachers.

POONA, *Law College*, Poona, 4. (*Telephone*: 2110.) (1928.) LL.B. Principal—G. V. Pandit, M.A., LL.M. 7 teachers.

POONA, *M.E. Society's College of Arts and Science*, Poona, 4. (*Telephone*: 2411.) (1946.) Inter. Arts and Sci., B.Sc. Principal—M. N. Bhat, M.A., L.T. 11 teachers.

POONA, *Nowrosjee Wadia College*, Poona, 1. (*Telephone*: 2924.) (1932.) B.A. (General and Hons.) and B.Sc. Principal—N. G. Suru, M.A. 28 teachers.

POONA, *Sir Parashurambhau College*, Poona, 2. (*Telephone*: 2998.) (1916.) B.A. (General and Hons.) and B.Sc. Principal—B. V. Bhide, M.Sc. 39 teachers.

POONA, *Tilak College of Education*, Poona, 2. (*Telephone*: 3603.) (1941.) B.T. Principal—B. V. Bapat, B.A., M.Sc., M.Ed. 18 teachers.

RATNAGIRI, *R.P. Gogate College* (1945). B.A. (General and Hons.) and B.Sc., T.D. Principal—Y. D. Bhave, M.A. 19 teachers.

SANGLI, *New Engineering College* (1947). B.E. (Civil). Principal—G. R. Vartak, B.E. (Civil). 18 teachers.

SANGLI, *Willingdon College* (1919). B.A. (General and Hons.) and B.Sc. Principal—G. L. Chandratreya, M.A., Camb. 22 teachers.

SATARA, *Chhatrapati Shivaji College* (1947). Inter. Arts and Sci., T.D. Principal—S. K. Unune, M.A. 10 teachers.

SHOLAPUR, *Dayanand College* (1940). B.A. (General and Hons.) and B.Sc. Principal—Ram Sharma, M.A., F.R.Hist.S., F.R.A.S. 31 teachers.

SHOLAPUR, *Dayanand College of Commerce* (1952). Inter. Com. Principal—T. B. Narasimhachari, M.A. 4 teachers.

SHOLAPUR, *Sangameshwar College* (1953). Inter. Arts. Principal—M. S. Hallur, M.A. 11 teachers.

CONSTITUENT RECOGNIZED INSTITUTIONS
(For Postgraduate Research)

POONA, *Bhandarkar Oriental Research Institute*, Poona, 4. (*Telephone*: 2336.) (1917.) Principal—Lt.-Col. R. D. Karmarkar, M.A. 2 teachers.

POONA, *Deccan College Postgraduate and Research Institute*, Poona, 6. (*Telephone*: 2145.) (1934.) Principal—S. M. Katre, M.A., Ph.D. Lond. 9 teachers.

POONA, *Gokhale Institute of Politics and Economics*, Poona, 4. (*Telephone*: 3729.) (1930.) Principal—D. R. Gadgill, M.A., M.Litt. Camb. 4 teachers.

POONA, *Maharashtra Association for the Cultivation of Science*, Poona, 4. (*Telephone*: 2110.) (1947.) Principal—S. P. Agharkar, M.A., Ph.D., F.L.S., F.N.I. 7 teachers.

GENERAL INFORMATION

More than thirty years ago the idea of having a University in Maharashtra was conceived. It was felt that it would be difficult for the Univ. of Bombay, whose jurisdiction extended over four distinct linguistic regions, to provide adequate facilities to meet the demand for higher education throughout the entire province. In 1924, the Setalvad Committee on University Reforms, which recommended the establishment of regional Univs. in the Province of Bombay, pointed out the suitability of Poona as such a University centre. This project was taken up by leading educationists, literary associations and cultural organizations in Maharashtra, but it was not until 1942 that the Provincial Government appointed a committee to report on the form, constitution, jurisdiction and financial implications of a Univ. for Maharashtra. Although the committee, presided over by the Rt. Hon. Dr. M. R. Jayakar, submitted its report in the following year, difficulties created by the second World War prevented its implementation. It was not until 1948 that the Univ. of Poona was established; it occupied the old Government House, at Kirkee, which was provided by the Bombay Govt. The new Univ. is closely associated with the life and thought of the people of the region, which has a long and distinguished intellectual tradition. Though situated in Poona, the Univ.'s activities are spread over the whole area inhabited by the Marathi-speaking people. It is intended, as the Report of the Committee which framed its scheme observed, that the " Univ. will keep in view the special needs, interests

and traditions of Maharashtra and its people without losing sight of its essential character as a University, *i.e.* a seat of universal learning which recognizes no frontiers except those of the human mind itself."

The Univ. of Poona, as envisaged by the Jayakar Committee and constituted by the Legislature, is neither a purely affiliating nor a purely unitary and teaching Univ. It combines the features of both these types. It aims at creating for the Poona area a central teaching organization beyond the intermediate stage of instruction, and the whole of the postgraduate teaching and research work in the entire Univ. area will be conducted under its direct control. But up to the intermediate stage in the Poona area and the graduate stage in outside places, instruction will continue to be given by the Constituent and Affiliated Colleges subject only to the general supervision of the Univ. It is not contemplated that all the staff, equipment and bldgs. of such post-intermediate Colleges in Poona will belong to the Univ. which will, however, be able to draw freely on these resources. The Univ.'s library, laboratories and full-time teaching staff will be mainly used for postgraduate teaching and research in selected subjects. For the present, the Univ. has decided to appoint seven Profs. and four Readers as its own teachers in the different subjects.

No discrimination is made toward students on the ground of sex, race, creed, class or religious or political belief.

CONSTITUTION. Among the distinctive features of the constitution of the Univ. is its provision for the widest representation of the various elements in the life of the region in the composition of the Court, the general legislative and deliberative University body. Linking academic and non-academic sides is the Executive Council, which possesses complete control over the finances and routine working of the Univ. Apart from its general direction of policy, the Court has no control over the day-to-day business of the Univ.

The usual LANGUAGE OF INSTRUCTION is English, except in Mod. Indian Lang. classes, where the lang. concerned is used. Steps are being taken to replace English by Marathi.

FACULTIES AND DEANS. *See* p. 1405.

LIBRARIES, ETC. Univ. library: approx. 18,091 vols. Libraries of Affiliated Colls. and institutions: total of approx. 500,000 vols.

DEGREES, ETC. B.A. (General), B.A. (Special); M.A.; B.Sc. (General), B.Sc. (Hons.); M.Sc.; B.Com.; M.Com.; M.Ed.; B.E.; B.T.; T.D.; LL.B.; LL.M.; B.Sc. (Agr.); M.B., B.S.; M.D.; M.S.; Ph.D.; B.Sc.; D.Litt.

COURSES. *B.A.* course consists of two types: (1) Special; (2) General. Former consists of 6 Papers on one subj. and 2 Papers on an allied subj., while latter consists of 2 Papers each on 4 diff. subjs. Students of both Special and General Courses have also to take 2 Papers in Compulsory Engl., total no. of Papers in each case thus being 10, carrying 1000 marks. Univ. provides Special teaching in the following:—Langs., Philos., Hist., Econ., Maths. General Course comprises 12 Langs. and 12 other subjs. under headings: Philos., Hist., Soc. Scis., Maths., Geog. and Stats. *M.A.* course consists of 4 diff. branches: (1) Langs.; (2) Soc. Scis.; (3) Maths.; (4) Anc. Indian Culture. In the branch "Langs." provision made for 4 Classical and Prakrit Langs. and 7 Mod. Langs. The branch "Soc. Scis." consists of Philos., Hist., Econ., Pol., Sociol. and Psychol. In each subj., students can offer a special 8-Paper course, or any 2 of the subjs., offering 4 Compulsory Papers in each. In all branches of M.A. Examn., students have to appear for 8 Papers, carrying

800 marks in all. The course for the *B.Sc.Agri.* admits students immediately after Matricn. for study of 4 yrs. in Coll. of Agric.

EXTERNAL DEGREES. B.A. (External), M.A. (External), M.Sc. (External—Maths. only.) Gainfully employed persons, and married women, residing within the Univ. area, are eligible to appear for these examns. externally, *i.e.* without keeping terms at any of the Affiliated Colls. The duration of the Degree Course is 6 yrs. from the Entrance Examn. as compared with the normal duration of 4 yrs. for regular internal students. A candidate must appear for and pass the Inter. Arts Examn. after 3 yrs. and is then due to appear for the B.A. (External) Examn. at the end of another 3 yrs. He qualifies for the Master's Degree after a further period of 3 yrs. For any of these 3 examns., students have to register by paying Rs. 10 as the Registration Fee in the yr. previous to yr. of examn.

RESIDENCE. The Univ. maintains a hostel which has accomm. for 30 postgrad. students. A new hostel for about 46 more students is under construction. The Affiliated Colls. have their own hostels, accommodating a total of 3700 men and women students.

ADMISSION. The Univ. admits students who have passed the Matricn. or Entrance Examn. of any other statutory Univ. in the State of Bombay. The Univ. does not hold an Entrance Examn. of its own.

POSTGRADUATE RESEARCH. While the Univ. Depts. (see above) are mainly meant for postgrad. study and res., the four Constituent Recognized Institutions (see above) also do postgrad. res. through their staff as well as through postgrad. students registered with the Univ. and working in those institutions. The subjects of res. at the institutions are as follows: Bhandarkar Oriental Res. Inst.—Anc. Sanskrit and Prakrit Lit., Mahabharat Epic, and Anc. Indian Culture. Deccan Coll. Post-graduate and Res. Inst.—Sansk., Compilation of Sansk. Dictionary, Sociol., Anthropol., Arabic, Maratha Hist., Anc. Indian Hist. and Culture. Gokhale Inst. of Politics and Economics—Econ., Pol. and Stat. Maharashtra Assocn. for Cultivation of Sci.—Bot., Zool., Microbiol. and Biochem.

FEES. Fees charged up to first graduation are about Rs. 100 per term per student (extra lab. fees for Sci. students). Postgraduate students: Rs. 125 per term for Arts students and Rs. 150 per term for Sci. students. Besides these tuition fees, students have to pay about Rs. 25 to Rs. 30 per yr. to the coll. authorities for gymkhana, library and other facilities.

EXTRA-MURAL WORK. The Bd. of Extra-Mural Studies was set up in 1950. Lectures on topics of general interest are frequently arranged under the Bd.'s auspices, and Profs. of the Constituent and Affiliated Colls. and other experts are invited to deliver lectures which are open to the general public.

SUMMER SCHOOL. Summer Schools are organized in the Univ. Chem. Dept.; teachers in the Constituent and Affiliated Colls. and postgraduate students participate.

UNIVERSITY PRESS. The Univ. maintains a small Press.

PUBLICATIONS. *Handbook* (4 Pts.: Pts. I, III and IV annually; Pt. II quinquennially); *Annual Report.*

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. Endowments for research, Rs. 65,000; endowments for scholps. and prizes, Rs. 23,850; donations for scholps. and prizes, Rs. 3200; unconditional donations, Rs. 11,600.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	11,172	..
Women	1,566	..
Total	12,738	..

DEGREES AWARDED. *Agric.*: B.Sc. (Agri.), 68; M.Sc. (Agri.), 13; Ph.D. (Agri.), 2. *Arts*: B.A., 491; M.A., 46. *Comm.*: B.Comm., 95; M.Comm., 4. *Educn.*: B.T., 15; M.Ed., 14. *Engin.*: B.E., 166; M.E., 1. *Law*: LL.B., 225; LL.M., 2. *Med.*: M.B., B.S., 43; M.D., 1. *Sci.*: B.Sc., 454; M.Sc., 34; Ph.D. (Sci.), 2.

[*Information compiled as at* 1/6/54.]

UNIVERSITY OF RAJPUTANA*

Founded 1947

Postal Address: Sawai Mansingh Highway, Jaipur, Rajasthan, India.
Telegraphic Address: University, Jaipur.
Telephone: Jaipur 135.

VISITOR—RAJENDRA PRASAD, President of the Republic of India, M.A., M.L., LL.D.

PATRON—Maj.-Gen. H.H. MAHARAJADHIRAJA MAHARANA SHRI SIR BHUPAL SINGH BAHADUR, G.C.S.I., K.C.I.E., Maharana of Udaipur and Maharaj Pramukh of Rajasthan.

CHANCELLOR—Lieut.-Gen. H.H. RAJ RAJENDRA SHRI MAHARAJADHIRAJA SIR SAWAI MAN SINGH BAHADUR, G.C.S.I., G.C.I.E., Maharaja of Jaipur and Raj Pramukh of Rajasthan.

VICE-CHANCELLOR—Lieut.-Col. G. C. CHATTERJI, M.A. Panj., B.A. Camb.

REGISTRAR—M. N. TOLANI, M.A. Camb.

HON. LIBRARIAN—D. L. GUPTA, M.A., B.Com., Ph.D. Lond.

UNIVERSITY TEACHING STAFF

Economics

Mathur, M. V., M.A., B.Com. Alld., M.P.A. Harv. Prof.
Gupta, D. L., M.A., B.Com., Ph.D. Lond. Lectr.
Shishodhia, S. S., M.A., B.Com. Pt.-time Lectr.
Joshi, J. M., M.A. Tutor.

Geology

Rode, K. P., M.Sc., Ph.D. Zür. Prof.

History

Sharma, M. L., M.A., D.Litt. Prof.

Law

Hajela, K. S., M.A., M.Sc., LL.M. Principal.
Nigam, R. C , M.A , LL M., Ph.D. Reader.
Varma, R. N., M A , LL.M. Lectr.
Saxena, I. C., M.A., LL.M. Lectr.
Sinha, B. S., B.A., LL.M. Lectr.
Narendra Singh, M.A., LL.M. Lectr.
Satgur Charan, LL.M. Lectr.
Datta, P. N., B.Sc., LL.B. Pt.-time Lectr.
Tewari, M. M., B.A., LL.B. Pt.-time Lectr.

Philosophy

Raju, P. T., M.A., Ph.D. Prof.
Singh, R. P., M.A., D.Litt. Reader.
Sharma, C. M , M.A. Lectr.

* Member of the Association of Universities of the British Commonwealth.

AFFILIATED INSTITUTIONS

(I A., I.Sc., I.Com., I.Sc. (Ag.), I.Pharm., T.T.C., B.A., M.A., B.Sc., B.Sc. (Ag.), LL.B., B.Pharm., B.Ed., M.B., B.S., M.S., M.D., M.Sc. (Med.), M.Sc., B.Com., M.Com., M.Ed., LL.M., etc. = affiliated up to the intermediate, degree, postgraduate, etc., standard.)

(A) The number of collegiate institutions affiliated to the University is 46, as listed below :

ALWAR, *Raj Rishi College.* B.A., B.Sc., B.Com., I.A., I.Sc. and I.Com. Principal—B. B. Goyal, M.A., LL.B. 27 other Teachers.

BANSWARA, *Govt. Inter. College.* I.A. and I.Sc. Principal—V. N. Dave, M.A. 11 other Teachers.

BHARATPUR, *M.S.J. College.* B.A., B.Com., I.A., I.Sc. and I.Com. Principal—P. C. Jain, M.A. 22 other Teachers.

BHILWARA, *Maharana Inter. College.* I.A. and I.Com. Principal—S. D. Jagadhari, M.A. 8 other Teachers.

BIKANER, *B.J.S.R. Jain Inter. College.* I.A., I.Sc. and I.Com. Principal—S. K. Sarkar, M.A. 8 other Teachers.

BIKANER, *Dungar College.* B.A., B.Sc., M.A., M.Sc., LL.B., I.A. and I.Sc. Principal—T. C. Mathew, M.A. 33 other Teachers.

BIKANER, *Maharani Sudershan Inter. College for Women.* I.A. Principal—Mrs. S. Agarwal, M.A 14 other Teachers.

BIKANER, *Shri Jain College.* I.Com. Principal—Ayodhya Prasad.

BIKANER, *Teachers' Training College.* T.T.C. Principal—K. K. Chaturvedi. 8 other Teachers.

BRIJNAGAR, *Shri Rajendra Inter. College.* I.A. and I.Sc. Principal—R. S. Gupta, M.A. 9 other Teachers.

BUNDI, *Hadendra Inter. College.* I.A., I.Sc. and I.Com. Principal—P. C. Das, M.A., B.L. Calc., Ph.D. Edin. 10 other Teachers.

CHIRAWA, *Inter. College.* I.A., I.Sc. and I.Com. Principal—A. B. Saksena, M.A. 10 other Teachers.

CHURU, *Lohia College.* I.A., B.A., B.Com., I.Com. and I.Sc. Principal—S. D. Pande, M.A., B.Com. 14 other Teachers.

DAUSA, *Govt. Inter. College.* I.A. and I.Com. Principal—G. K. Datta, M.A., 3 other Teachers.

DIDWANA, *Shri Bangur Inter. College.* I.A. Principal—Vidya Nand Sharma, M.A. 6 other Teachers.

FALNA, *S.P.U. Inter. College.* I.A. and I.Com. Principal—L. P. Vaish, M.A. 8 other Teachers.

FATEHPUR, *Seth G. R. Chamaria Inter. College.* I.A., I.Sc. and I.Com. Principal—P. L. Gupta, M.A. 12 other Teachers.

JAIPUR, *Maharaja's College.* B.A., B.Sc., B.Com., M.A., M.Sc., M.Com., I.A., I.Sc. and I.Com. Principal—K. L. Varma, M.A. 79 other Teachers.

JAIPUR, *Maharani's College.* B.A., I.A. and I.Sc. Principal—Mrs. S. Bhartiya, M.A. 8 other Teachers.

JAIPUR, *Sawai Mansingh Medical College.* M.B., B.S., M.D., M.S. and M.Sc. (Med.). Principal—S. K. Menon, F.R.C.S. 67 other Teachers.

JAIPUR, *S.S.G. Pareek Vidyalaya.* I.A., I.Sc. and I.Com. Principal—G. L. Purohit, M.A. 9 other Teachers.

JHUNJHUNU, *Seth Motilal Inter. College.* I.A. and I.Com. Principal—N. L. Gupta, M.A. 5 other Teachers.

JOBNER, *S.K.N. Agricultural Institute.* B.Sc. (Ag.), I.Sc. (Ag.). Principal—A. Rathore, M.Sc., Ph.D. 11 other Teachers.

JOBNER, *S.K.N. Inter. College,* I.A. Principal—D. C. Datta, M.A. 5 other Teachers.

JODHPUR, *Jaswant College.* B.Sc., M.Sc., LL.B. and I.Sc. Principal—S. D. Arora, M.Sc., Ph.D.

JODHPUR, *M.B.M. Engineering College.* B.E. (Civil). Principal—V. G. Garde, M.Sc. (Eng.). 9 other Teachers.

JODHPUR, *Rajmahal Girls' Inter. College.* I.A. Principal—Mrs. K. Patwardhan, M.A. 5 other Teachers.

JODHPUR, *Shri Maharaja Kumar College.* M.A., M.Com., B.A., B.Com., I.A. and I.Com. Principal—R. K. Tripathi, M.A.

KISHANGARH, *Darbar Inter. College.* I.A. Principal—S. C. Mathur, M.A., Ph.D. 3 other Teachers.

KOTAH, *Herbert College.* B.A., B.Sc., B.Com., M.A., LL.B., I.A., I.Sc. and I.Com. Principal—Shive Raj Bahadur, M.Sc. 37 other Teachers.

KOTAH, *Shri Maharani's Inter. College.* I.A. Principal—..... 6 other Teachers.

MUKUNDGARH, *Sharda Sadan.* I.A. and I.Com. Principal—P. C. Sahal, M.A. 6 other Teachers.

NAWALGARH, *S.G.B. Podar College.* B.Com., M.Com., I.A., I.Sc. and I.Com. Principal—C. B. Gupta, M.A., M.Com. 10 other Teachers.

PILANI, *Birla Arts College.* I.A., B.A., M.A. Principal—Mrs. Deoki Amma, M.A. 18 other Teachers.

PILANI, *Birla College of Science and Commerce.* B.Sc., B.Com., M.Sc., M.Com., I.Com., I.Sc., I.Pharm. and B.Pharm. Principal—P. Nilkantan, D.Sc. 34 other Teachers.

PILANI, *Birla Engineering College.* B.E. (Mechanical and Electrical). Principal—V. Lakshminarayanan, B.E. 41 other Teachers.

SARDARSHAHR, *Govt. Inter. College.* I.A. and I.Sc. Principal—B. R. Luthra, M.A. 6 other Teachers.

SARDARSHAHR, *Shri Gandhi Vidyamandir College.* T.T.C. Principal—.....

SIKAR, *Shri Kalyan Inter. College.* I.A. Principal—G. N. Singhal, M.A., T.D. 8 other Teachers.

SIROHI, *Govt. Inter. College.* I.A. and I.Com. Principal—Sital Prasad Bairathi, M.A. 5 other Teachers.

SRI GANGANAGAR, *Govt. College.* I.A. and B.A. Principal—Ram Singh, M.A. 13 other Teachers.

TONK, *Darbar Inter. College.* I.A. Principal—R. S. Tiwari, M.A., B.T. 5 other Teachers.

UDAIPUR, *Bhupal Nobles Inter. College.* I.A. and I.Sc.

UDAIPUR, *Maharana Bhupal College.* B.A., B.Sc., B.Com., M.A., M.Sc., M.Com., LL.B., I.A., I.Sc. and I.Com. Principal—S. S. Saxena, M.A., M.Com. 47 other Teachers.

UDAIPUR, *Rajasthan Mahila Vidyalaya.* I.A. and I.Sc. Principal—Miss Parvati B. Menon, M.A., B.Sc., B.T. 6 other Teachers.

UDAIPUR, *Vidya Bhawan G.R. Teachers' College.* M.Ed. and B.Ed. Principal—K. L. Shrimali, M.A., Ph.D., B.T. 8 other Teachers.

(B) The number of High Schools recognized by the University is 254 ; of these, 14 are Girls' High Schools.

GENERAL INFORMATION

The idea of a University at Jaipur—whether only for Jaipur State, or for the whole of Rajputana and Central India—can be traced to the twenties of this century. It was, however, on Jan. 8, 1947, that the Act for a federal University for Rajputana was promulgated by the States that had decided upon this joint action. In July following the Univ. began to function.

The jurisdiction of the Univ. extends over the ring-shaped region comprising the whole of Rajputana minus the centrally administered "island" of Ajmer-Merwara at the centre. The area consists of the former seven political units: (1) Bikaner, (2) Jaipur, (3) Jaisalmer, (4) Jodhpur, (5) Matsya Union (consisting of the former 4 states of Alwar, Bharatpur, Dholpur and Karauli), (6) Rajasthan Union (consisting of the former ten states of Banswara, Bundi, Dungarpur, Jhalawar, Kishangarh, Kotah, Pratapgarh, Shahpura, Tonk and Udaipur) and (7) Sirohi. The seven units were later integrated into a single political unit of Rajasthan (March 30, 1949) and the University Act was, in consequence, amended.

The Univ. controls the High School Examn. as well as Univ. education, and the Bd. of High School Education is one of the "Authorities" of the Univ. With the Senate at the base and the Syndicate as the apex, there are two bodies between them—the Academic Council to deal with collegiate questions and the Bd. of High School Educn. to look after the schools. This system of four "Authorities" forms a strong, stable structure for the Univ. The usual languages of instruction are English and Hindi.

INCOME (Jan. to Dec. 1952). Rs. 9,75,171, of which Rs. 6,52,389 were received from examn. fees. Expenditure during the yr. was Rs. 10,19,637.

FACULTIES AND DEANS. *Arts*, K. L. Varma ; *Commerce*, M. V. Mathur ; *Education*, K. N. Srivastava ; *Engineering*, V. G. Garde ; *Law*, M. L. Sauney ; *Medicine*, Dr. R. M. Kasliwal ; *Science*, Dr. K. P. Rode.

TEACHING AND RESEARCH. There are now 5 teaching Depts. in the Univ.—Economics, Geology, Philosophy, History and Law. The Depts. of Econ., Hist. and Law are located at Jaipur and the Depts. of Philos. and Geol. are located at Jodhpur and Udaipur respectively. Both res. work and postgraduate teaching (M.A., M.S., LL.M. or LL.B.) are carried on in these depts.

LIBRARY. 13,000 vols.

DEGREES. B.A., B.Sc., B.Com., B.E. (Civil, Mech. and Electr.), B.Sc. (Ag.), B.Ed., M.B., B.S., M.S., M.Sc. (Med.), M.D., B. Pharm., B.O.L., LL.B., M.A., M.Sc., M.Com., M.O.L., LL.M., M.Ed., Ph.D., LL.D. (Honorary), D.Litt., D.Sc., LL.D.

B.A., B.Sc.: Candidates who have passed the Inter. Examn. of a recognized Bd. or Univ. and have attended a regular course of study in an affiliated coll. for 2 academical yrs. are admitted to the examn. *M.A., M.Sc. and M.Com.*: 2 yrs.' course in an affiliated coll. 2 examns.—Previous and Final. *B.Com.*: 3 yrs. Examn. at end of third yr., provided that candidates who have passed certain examns. are exempted from taking the first-yr. B.Com. course. *LL.B.*: Graduates in Arts, Sci. or Comm. who complete a regular course of study in an affiliated coll. are eligible for admission to the Previous Examn. and after 1 further yr. to the Final Examn. *B.Sc. (Ag.)*: 2 yrs.' course. Admission allowed to those who have passed the Univ. Inter. Sc. Examn. in Agric. or any other examn. recognized as equivalent; 2 examns.—Pt. I and Pt. II. *M.B., B.S.*: 5 yrs.' course after Inter. Sci. (Biol.). *M.D., M.S.*: 2 yrs.' course after passing M.B., B.S. course; 2 examns.—Pt. I and Pt. II. *B.Pharm.*: 3 yrs.' course after Inter. Pharm. but degree awarded on production of satisfactory evidence of having undergone practical training in a recognized institution, hospital, etc., for not less than 90 days on certification by the Principal of the Coll. concerned. *B.E.*: 3 yrs.' course after Inter. Sci. (Phys., Chem. and Maths.) but degree awarded on producing evidence to the satisfaction of the Syndicate that the candidate concerned has undergone practical training for a period of 12 mos. (280 working days' minimum) in a workshop or factory approved by the Principal of the Engineering Coll. concerned. *B.Ed.*: Candidates must have passed the Bachelor's or Master's degree of the Univ. or of some other recognized Univ. and have completed a regular course of study of 1 yr. in a coll. affiliated for the purpose. *LL.M.*: 2 yrs.' course after LL.B.; 2 examns.—Pt. I and Pt. II. *M.Ed.*: 1 yr.'s course after Bachelor's degree in Education. *Ph.D.*: Open to Masters in Arts, Sci. or Comm. after res. work of at least 2 yrs. and on submission of a thesis.

CERTIFICATES. High School, Inter. (Arts, Science, Commerce and Agriculture), Teachers' Training Certificate and I.Pharm.

EXTERNAL STUDENTS. Provision has been made by the Univ. to enable candidates "in service" to undertake higher educn. Such candidates are enrolled to attend evening classes, which certain degree colls. are authorized to run. They are thus intermediate in status between "private" candidates on the one hand and full-time scholars on the other. This facility has enabled those who are gainfully employed and cannot for valid reasons join a coll. as regular students to appear at the Univ. examns.

EXTRA-MURAL WORK AND DELEGATIONS. Extension lectures by members of the Univ. are delivered at various centres, and are published both in English and Hindi.

NATIONAL CADET CORPS TRAINING. Three Battalions—one at Jaipur, another at Udaipur, and the third at Jodhpur, each under a separate Commandant. The Univ. contributes Rs. 5000 annually for the amenities of N.C.C. cadets.

PUBLICATIONS. Text-books on Hindi, English, Gen. Sci. and Soc. Studies for the High Sch. classes, *Handbook* (Pt. I, Univ. Authorities, Rs. -/4/6; Pt. II, Statutes and Ordinances, Rs. 3), *University Studies* and *Extension Lectures*, Text-books and Syllabuses, Ordinances and Regulations; *List* of institutions.

THE YEAR 1952–53

BUILDINGS. Detailed plans and designs for Univ. bldg. are ready, and construcn. is expected to start soon.

STUDENT NUMBERS. Number enrolled as members of Univ., 5494. Number of students (by faculty) in the Affiliated Colls., 3841 in Arts, 891 in Sci., 882 in Law, 1228 in Comm., 453 in Engin., 440 in Med., 130 in Educn. Of these, 1374 (1147 in Arts and 227 in Commerce) were external students. The total number of students increased from 10,866 (in 1952) to 12,904 (in 1953), including 6413 candidates in the Inter. classes.

DEGREES. B.A., 701 ; M.A., 177 ; B.Sc., 129 ; B.Sc. (Ag.), 2 ; M.Sc., 39 ; B.Com., 241 ; M.Com., 37 ; B.Ed., 78 ; B.E., 83 ; LL.B., 311 ; M.B., B.S., 37 ; Ph.D., 4.

UNIVERSITY OF ROORKEE*

Founded in 1847 as Thomason College ; inaugurated as a University in 1949

Postal Address : Roorkee, Uttar Pradesh, India.
Telegrams : University, Roorkee.
Telephone : Roorkee 5.

CHANCELLOR—RAJYAPAL SRI K. M. MUNSHI, B.A., LL.B., D.Litt.

VICE-CHANCELLOR—.....

PRO-VICE-CHANCELLOR—M. C. BIJWAT, B.A., C.E.

REGISTRAR—N. C. PAL, M.A., B.L.

PROCTOR—S. R. SINGH, B.Sc. in Engin Brist.

TEACHING STAFF

Applied Science

Charlu, T. G. K, M.Sc., Ph.D., D.I.C (Geol. with Chem.) Reader.
Prasad, C., M.Sc., D.Phil. (Appld. Maths.) Reader.
Agarwala, B. K., M.Sc., Ph.D. (Phys.) Lectr.
Mittal, K., M.Sc. (Maths.) Lectr.
Agarwal, B. R., M.Sc , Ph.D. Lond., D.I.C. Lectr

Civil Engineering

..... Prof.
Singh, S. R., B.Sc. in Engin. Brist. (Survey and Drawing) Reader and Actg. Hd.
Krishna, J., B.Sc., C.E. Offg. Reader.
Jain, O. P., B.Sc., C.E. Offg. Reader.
Goyal, S. C., B.Sc., C.E. Lectr. and Offg. Chief Instr., Overseer Sch.

Lecturers

Shahani, P. B., B.E. (Civil).
Chitale, H. D., B.E.
Asthana, K. C., B E. (Civil), M.S. (Civil), Ph.D.
Singh, B., C.E.
Narain, B., B.Sc.
Vaswani, N. K., B.Sc. (Engrg.).
Jain, B. K.
Narain, J., B.Sc , B.E.
Misra, H. C., B.E. (Civil).
Gupta, C. L. Offg. Sr. Instr , Overseer Sch
Garg, J. L., M.Sc. Sr. Instr., Overseer Sch.
Garg, L. S. Jr. Instr., Overseer Sch.
Nanden, R. Sr. Instr., Draughtsman.
Jain, B. P. Jr. Instr., Draughtsman.

Mechanical Engineering

..... Prof.
Rau, K. B. K., B.E. (Mech.). Reader and Actg. Hd.

Lecturers

Prasad, J., B.Sc. (Engrg.) Ban.
Kapur, P. N., B.A., Dipl. Masch. Ing. der E.T.H. Zür.

* Member of the Association of Universities of the British Commonwealth.

Gupta, N. L., B.Sc. (Engrg.), M.S., M.E.
Saxena, M. N., B.Sc. (Metallurgy).
Srivastava, J. P., B.Sc., B.E. (Mech.).
Malhotra, P. N., B.Sc. (Engrg.).

Electrical Engineering

Aston, K., M.Sc. Prof.
Ahmad, Z. U, B.Sc., D.I.C., Ph.D. Lond. Reader.

Lecturers

Roy, S. N., M.Sc.
Jethi, J. L., B.Sc. (Engrg.).
Rao, T. S. M., B.Sc., B.E.E.
Indiresan, P. V., B.Sc.
Sajnani, N. B., B Sc., D I.C.

ADMINISTRATIVE AND OTHER STAFF

Supt. of Workshops, A. P. Mathur, B.Sc. (Engrg.); Univ. Resident Engr., T. Chand, M.A.; O.C., N.C.C., Capt. K. R. Khan; Med. Officer, R. Singh, M.B., B.S.; Accts. Officer, L. Prasad; Librarian, M. I. Ansari, B.A.

GENERAL INFORMATION

Established in 1847, the Thomason College of Engineering became the University of Roorkee by the University Act of 1948 (U.P. Act No. IX of 1948) as amended by Act No. XII of 1949. The Univ. was constituted to provide for the teaching of all branches of Engineering at Roorkee in a unitary, teaching and residential University.

CONSTITUTION. The authorities of the Univ. are the Senate and the Syndicate.

INCOME. Total income for financial year 1953–54: Rs. 17,50,461 (Grant-in-Aid, 78 per cent.; other sources, 22 per cent.).

LIBRARY. Fully equipped central library of 35,000 books and periodicals on Engin. and scientific subjects; rare books of bibliographical value. Reading and reference rooms remain open on all days, including Sundays and holidays, till 9.30 P.M.

OBSERVATORY. There is a second-class meteorol. observatory under the charge of the Univ.

MUSEUM of Geol., Concrete Technol., Civil Engin.

LABORATORIES. Phys., Chem., Soil Mechanics, Concrete Technol., Mechanics, Hydraulics, Photogrammetry, Heat Engines, Refrigeration, Structural Engin., Survey, Internal Combustion Engines, Testing of Materials, Hydraulic Machines, Advanced Electr. Machines, Electr. Communication and Electr. High Voltage.

WORKSHOPS. Fully equipped workshops for instruction.

ADMISSION. (1) To one yr. Postgraduate Diploma course in (i) Dam Design, Irrigation Engin. and Hydraulics; (ii) Structural Engin. including Concrete Technol.; (iii) Municipal Engin.; (iv) Soil Mechanics and Foundation Engin.; (v) Servo-Mechanisms; (vi) Refrigeration and Air Conditioning. Qualifns. for admission: First-class graduates in Engin. of Roorkee and other approved Univs., or dipl. holders of the former Thomason Coll. of Civil Engin., Roorkee. Total no. of admissions for each course will be 10 only.

(2) To three yrs.' B.E. Degree course in Civil, Electr. or Mech. Engin.: Admission to first yr. of Engin. course may be obtained only through annual

competitive examn. (May/June). Age limits, 17 to 21 yrs. Admission fee, Rs. 20. Total no. of admissions, 80. Students cannot be admitted direct to second or third yr. classes. Qualifns. for admission : Pass in Inter. Examn. (with Phys., Chem. and Maths.) of the U.P. Bd. of High Sch. and Inter. Educn. or of any other Bd. or Univ. in the Indian Union recognized by the Govt.; Camb. Higher Sch. Certif. with Phys., Chem. and Maths. ; Pre-Engin. Examn. of Delhi Polytechnic ; B.Sc. Examn. of Delhi Univ. with English, Maths. and Phys. or Chem., provided that Chem. or Phys. were taken in the Higher Sec. Examn. of the Delhi Bd. ; B.A. (Hons.) Maths. of Delhi Univ., provided Sci. subjects were taken in the Higher Sec. Examn. ; Inter. Sci. Certif. (with Phys., Chem. and Maths.) of the East Punjab Univ. in lieu of Soc. Service ; Overseer certif. examn. of Thomason Coll. or of the Univ. of Roorkee ; High Sch. Examn. of the U.P. Bd. of Educn. plus 2 yrs.' engin. trg. in an approved engin. inst. or 2 yrs.' approved practical engin. experience.

(3) To two yrs.' Overseer's and Draughtsman Certif. course. Admissions to first yr. of Overseer and Draughtsman classes are made only through a competitive Entrance Examn. (May/June). Age limits, 16 to 21 yrs. Admission fee, Rs. 10. Total no. of admissions, 80 and 20 respectively. Students cannot be admitted direct to second yr. classes. Candidates must be permanent residents of the Uttar Pradesh. Qualifns. for admission : High Sch. Examn. of U.P. Bd. of Educn. or an equivalent recognized examn.

SPECIAL AND SHORT COURSES. In (*a*) Concrete Technol. and Structures (8 weeks) ; (*b*) Hydraulics and Irrigation (6 weeks) ; (*c*) Appl. Geol. and Soil Mechanics (5 weeks) ; (*d*) Advanced Surveying and Photogrammetry (4 weeks) ; (*e*) Photo-elasticity (Elementary) and Stress Analysis (4 weeks) ; (*f*) Engin. Materials and Industrial X-ray Techniques (3 weeks) ; (*g*) Refrigeration and Air Conditioning (6 weeks) ; (*h*) Electr. Line Communication and Electr. Radio-communication (8 weeks) ; (*i*) Electr. Technol. and Electr. Power Transmission (8 weeks).

TUITION FEE for Postgraduate Dipl. course, Rs. 240 per session ; for Engin. Degree course, Rs. 24 p.m. ; for Certif. courses, Rs. 6 p.m.

SCHOLARSHIPS. 33 scholps. of Rs. 50 each (15 for Civil, 9 for Electr. and 9 for Mech. Engin. students) awarded by Univ. In addition, 3 scholps. of Rs. 50 each are awarded to scheduled caste students who qualify in the entrance examn. 28 scholps. of Rs. 25 each are granted to Overseer class students. 4 additional scholps. of Rs. 25 each are awarded to scheduled caste students.

POSTGRADUATE AWARDS. 12 stipends, each of Rs. 100 per month.

ACADEMIC YEAR. October 1 to June 30.

The MEDIUM OF INSTRUCTION is English.

PRACTICAL TRAINING. Engineering students are provided with facilities to undergo 6 weeks' practical training during the long vacation, in govt. depts. and industrial enterprises. They are also given facilities and encouragement to do manual work by joining the community projects of the Univ.

RESIDENCE, ETC. Residence in the Univ. hostels is compulsory. Engineering students run a common mess. Membership is compulsory. A number of messes are also run by Overseer and Draughtsman students. Social functions are arranged in the clubs to foster informal contacts between staff, guests and students.

CLUBS. Separate clubs for the Engineering and Overseer class students exist. Membership is compulsory. Social functions are arranged in the clubs to establish informal contacts between the staff, guests and students.

THOMASONIAN SOCIETY. Organized by students under guidance of a senior member of staff. Membership is compulsory.

OLD THOMASONIANS' ASSOCIATION. Annual meeting held at time of Convocation, which provides an opportunity for the old students to establish contacts with the present staff and students. Lectures are given and papers on academic subjects read at the meeting.

NATIONAL CADET CORPS. Consists of two engineering platoons. Training is compulsory for 1st- and 2nd-yr. Engin. students Overseer and Draughtsman classes have to do physical trg. under a military instr.

PUBLICATIONS. *Calendar* (Rs. 6); *Annual Report*; *Syllabus* (6 as.); *Prospectus* (6 as.); *Lion*, run by students with editorial bd. under guidance of a member of staff.

THE YEAR 1952–53

NEW BUILDINGS. Work begun on construcn. of new Electr. Engin. Lab. block, and on expansion of Engineer Class Students Club. The students themselves are providing labour required for work on the Club.

NEW COURSES. Postgraduate Dipl. courses started in (i) Advanced Hydraulics and Irrigation, (ii) Advanced Structures and Reinforced Cement Concrete. Six special advanced and short specialized courses were also run and attracted a large number of students from various parts of India.

NEW POSTS. Extra posts of 1 Teacher and 1 Lectr. for postgraduate dipl. courses have been created.

STUDENT NUMBERS.

	Full Course	*Part Course*
Men	373	35
Women	..	..
Total	373	35

Postgraduate students, 1.
Degree students: B.E. (Civil), 112; B.E. (Electr.), 52; B.E. (Mech.), 47.
Certificate students: Overseer, 152; Draughtsmen, 9.
Students taking special courses, 35.
New admissions, 181.
Students from other countries: 7 (Burma, 3; British East Africa, 1; Indonesia, 1; Nepal, 1; Ethiopia, 1).

DEGREES AWARDED (1953). B.E., 54.

CERTIFICATES. Overseer, 66; Draughtsmen, 5; Special Courses, 35.

UNIVERSITY OF SAUGAR *

Founded 1946

Postal Address: Sagar, Madhya Pradesh, India.
Telegrams: University, Sagar.
Telephone: Sagar, 5.

CHANCELLOR—Pandit RAVI SHANKER SHUKLA, B.A., LL.B., LL.D. Ban., Chief Minister, Madhya Pradesh, Nagpur.

PRO-CHANCELLOR—THE EDUCATION MINISTER, Madhya Pradesh, Nagpur.

VICE-CHANCELLOR—RAM PRASAD TRIPAJHI, M.A., D Sc. Lond.

TREASURER—B. L. SARAF, B.A., LL B.

REGISTRAR—ISHWAR CHANDRA, M A. Panj.

DEANS—*Arts*—M. L. MISRA, M.A., D.Sc. Alld.; *Education*—L. P. D'SOUZA, M.A., T.C. Lond.; *Law*—B. L. SETH, B.Sc., LL.B. Alld.; *Science*—D. S. SRIVASTAVA, M.Sc, Ph D. Belf., F.R.E.S.

PROCTOR—R. N. PANDEY, M.A. Alld.

WARDEN—R. S. SHUKLA, M.A., D.Litt. Alld.

TEACHING STAFF

Archæology

Dikshit, M. G, M.A., Ph.D.
Lectr.

Botany

Misra, R., M.Sc., Ph.D. Leeds
Reader.

Lecturers

Saksena, S. B., M.Sc.
Bhargava, H. R., M.Sc.
Mall, L. P., M.Sc. Luck.
Rao, Y S., M.Sc. Ban., Ph.D.
Deshikachary, T. V., M.Sc., Ph.D. Madr.

Chemistry

Bhattacharya, A. K., D.Sc. Alld.
Reader.

Lecturers

Banerji, S. N., M.Sc., D.Phil. Alld.
Nigam, S. S., M.Sc. Alld., Ph.D.
Mahajani, A. V., M.Sc. Alld.
Lall, S. S., M.Sc. Alld.
Shrivastava, H. N., B.Sc. Nag.
Rao, G. S., M.Sc., Ph.D
Narayanan, C. R., M.Sc., D.Phil. Alld.
Manhas, M. S., M.Sc., D.Phil. Alld.
Pathak, B., M.Sc., Ph.D. Calc.
Chauhan, C. S., B.Sc.
Khare, R. L., M.Sc.
Nikore, R. L., M.Pharm.

Commerce

Misra, J. N., M.Sc. Lond.
Actg. Reader.

Lecturers

Roy, R. P., M.Com. Alld.
Pandey, V. P., M.Com., LL.B.
Saxena, R. B., M.Com. Agra.

* Member of the Association of Universities of the British Commonwealth.

Economics

Jain, L. C., M.A., Ph.D., D.Sc. Lond. Prof.

Lecturers

Shete, M. K., M.A. Nag.
Nakhare, M. G., M.A. Nag.
Misra, A. B., M.A. Agra, Ph.D. Luck.
Seth, P. K., M.Com. Temp. Lectr.

English

Readers

Swaminathan, S. R., B.A. Madr.
Misra, S. N., M.A., LL.B.

Lecturers

Datta, A., M.A., Ph.D. Luck.
Sastri, P. S., M.A., M.Litt., Ph.D. Nag.
Mukerji, A., M.A., D.Phil. Alld.
Mallikarjunan, S., B.A. Madr.
Bajpai, M. K., M.A. Alld.

Geology

Chiplonkar, G. W., D.Sc. Ban. Reader.

Lecturers

Dehadrai, P. V., M.Sc. Ban. (on study leave).
Padmanabhan, S., M.A., M.Sc. Missouri.
Dass, K. N., M.Sc.
Dubey, K. C., M.Sc. Temp. Lectr.

Hindi

Readers

Bajpeyi, N. D., M.A. Ban.
Shukla, R. S., M.A., D.Litt. Alld.

Lecturers

Pandey, R. N., M.A. Alld.
Bhatnagar, R. R., M.A., D.Phil. Alld.
Pathak, K. K., M.A., LL.B. Nag.
Singh, R. L., M.A., B.T. Ban.

History

Lecturers

Gupta, H. L., M.A., D.Phil. Alld.
Raghuvanshi, V. P. S., M.A., D.Phil.
Mehrotra, S. R., M.A. Alld.

Law

Honorary Lecturers

Shrivastava, G. S., M.A., LL.B.
Saraf, B. L., B.A., LL.B.
Kakkar, K. P., B.A., LL.B.
Lokras, G. K., B.A., LL.B.

Marathi

Adoni, D. L., M.A. Nag.

Mathematics

Misra, M. L., M.A., D.Sc. Alld. Reader.

Lecturers

Saksena, K. M., M.A., Ph.D. Agra.
Singh, B. D., M.A. Ban.
Gupta, D. P., M.Sc. Alld.
Misra, R. K., M.Sc. Nag.

Persian

Pathak, B. L., M.A., M.O.L. Hon. Lectr.

Philosophy

Das, R., M.A., Ph.D. Calc.

Lecturers

Roy, S. S., M.A. Alld.
Awasthi, C. S., M.A. Ban.
Bhattacharya, S., M.A.

Physics

Bhawalkar, D. R., M.Sc., Ph.D. Lond. Reader.
Shrivastava, M. P., M.Sc. Lond. Temp. Reader.

Lecturers

Ranade, J. D., M.Sc., Ph.D. Lond.
Pandeya, D. C., M.Sc. Luck.
Shrivastava, R. K., M.Sc. Nag.
Vedam, K., M.Sc.
Jatar, D. P., M.Sc.
Fatehally, R., M.Sc.
Tiwari, I. D., M.Sc. Alld.

Political Science

Lecturers

Singh, S. C., M.A., Ph.D., D.Litt. Luck.
Argal, R., M.A., Ph.D., D.Litt. Alld.
Shrivastava, R. P., M.A., LL.B.

Sanskrit

Apte, V. M., M.A., Ph.D. Camb.

Lecturers

Upadhyaya, R, M.A, D.Phil. Alld.

Bhawalkar, Mrs. V., M.A. Nag.

Urdu [Hon. Lectr.

Pathak, B. L., M.A., M.O.L.

Zoology

Srivastava, D. S., M.Sc., Ph.D. Belf. Reader.

Lecturers

Misra, S. D., M.Sc., Ph.D. Luck.

Harswarup, M.Sc. Agra, Ph.D.

Bhargava, H. R., M.Sc. Alld.

Saini, R. S., M.Sc. Agra.

Shrivastava, R. K., M.Sc.

ADMINISTRATIVE AND OTHER STAFF

Dep. Registrar: P. Bajpai, M.A. Alld., LL.B. Asst. Registrar, Accounts: B. P. Misra, B.A. Librarian: B. L. Pathak, M.A., M.O.L. Chairman of Delegacy: A. K. Bhattacharya, D.Sc. Alld.

AFFILIATED COLLEGES

BILASPUR, *Law College.* LL.B. Principal—U. S. Bisen, B.A., LL.B. 4 Teachers.

BILASPUR, *S.B.R. Arts College.* I.A., B.A., M.A. Principal—A. L. Pande, M.A., B.T. 9 Teachers.

DAMOH, *Arts College.* I.A. Principal—G. C. Shrivastava, M.Com. 4 Teachers.

JABALPUR, *D. N. Jain Arts and Commerce College.* I.A., B.A., I.Com. Principal—B. S. Audholia, M.A., B.Com. 12 Teachers.

JABALPUR, *Government Engineering College.* (*Telephone*: 128.) I.E., B.E. (Hons.), M.E. Principal—S. P. Chakravarti, M.Sc., M.Sc. (Eng.) Lond., D.I.C. 29 Teachers.

JABALPUR, *G.S. College of Commerce and Economics.* (*Telephone*: 310.) I.Com., B.Com., M.Com. Principal—P. L. Baldua, M.A., B.Com. 13 Teachers.

JABALPUR, *Hitkarini Law College.* LL.B. Principal—B. V. Shukla, B.A., LL.B. 4 Teachers.

JABALPUR, *Hitkarini Mahavidyalaya.* (*Telephone*: 327.) I.A., B.A., M.A., Principal—P. M. Paranjpe, M.A. 14 Teachers.

JABALPUR, *Mahakoshal Mahavidyalaya.* (*Telephone*: 80.) I.A., B.A., B.Sc., M.A., M.Sc. Principal—N. G. Shabde, D.Sc. Nag. and Edin. 63 Teachers.

JABALPUR, *Mahila Mahavidyalaya.* I.A. Principal—G. M. Ranade, M.A. 11 Teachers.

JABALPUR, *Prantiya Shikshan Mahavidyalaya.* (*Telephone*: 193.) Dip.T., B.T., M.A. in Appl. Psychol., M.Ed. Principal—L. P. D'Souza, M.A., T.D. Lond. 39 Teachers.

JABALPUR, *St. Aloysius College.* I.A., I.Sc. Principal—Rev. H. van Engelen. 9 Teachers.

JABALPUR, *Training Institute for Women.* Dip.T. and Dip. in Nursery Edn. Principal—Miss Marion Warner, M.A. 11 Teachers.

JABALPUR, *Veterinary College.* (*Telephone*: 41.) B.V.Sc. Principal—H. N. C. Iyengar. 14 Teachers.

KHANDWA, *Diploma Institute for Men.* Dip.T. Principal—M. A. Mumtazuddin, B.T. 13 Teachers.

KHANDWA, *Shree Nilkantheshwar Arts and Commerce College.* I.A., I.Com., B.A. Principal—A. C. Bose, M.A., Ph.D. Dub. 9 other Teachers.

RAIPUR, *Chhattisgarh College.* I.A., B.A. Actg. Principal—J. Yoganandam, M.A., LL.B. 16 Teachers.

RAIPUR, *College of Science.* I.Sc., B.Sc. Principal—U. Mukerji, M.Sc. 22 Teachers.

RAIPUR, *Law College.* LL.B. Principal—J. Yoganandam, M.A., LL.B. 7 Teachers

RAIPUR, *Law College,* Maudhapara. LL.B. Principal—B. B. Tiwari, B.Sc., LL.B. 9 Teachers.

RAIPUR, *New Arts College.* I.A., B.A. Principal—M. V. Ramchandran, M.A. 10 Teachers.

(*Note.*—All the above Colleges are in Madhya Pradesh.)

GENERAL INFORMATION

The University was founded by Sir Hari Singh Gour, who gave Rs. 20 lacs and appealed to both Central and Provincial Govts. to make suitable donations. The Govt. of Madhya Pradesh donated Rs 10 lacs towards the Univ. Endowment Fund and made a further grant of Rs. 15 lacs towards bldgs. and equipment. They are also making a grant of Rs. 6 lacs a yr. towards the maintenance of the Univ. The Govt. of Madhya Pradesh have transferred to the Univ. 2050 acres of land, free of cost, at a site selected by the Univ. for the founding of the Univ. town. The permanent bldgs. of the Univ. are being constructed on the new site, which is on a plateau commanding extensive and beautiful views and more than 2000 ft. above sea level. At least Rs. 1 crore will be necessary for the completion of the bldg. programme.

The founder of the Univ. intended that it should be particularly concerned with Polytechnics. Accordingly, a scientific and technological faculty has grown up requiring expensive equipment and labs. and laying special emphasis on Sci., Phys., Technol., Engin. and Agric., along with a study of Arts and Social Sciences.

The Univ. is a teaching and residential as well as an affiliating Univ. and has on its register about 7000 students, of whom over 1000 are in residence in the Teaching Depts. at Sagar. Most of the members of the Teaching Staff live in the Univ. bldgs., and thus participate in the wider life of the Univ. A Course in General Knowledge is compulsory for all undergraduate students.

CONSTITUTION. The Univ. authorities are: the Court, Executive Council, Academic Council, Cttee. of Reference and the Faculties.

INCOME (1952–53). Total: Rs. 23,69,890. (State Govt. grant, Rs. 6,20,000; Central Govt. grant, Rs. 60,000; Grant from scholps., Rs. 11,683; Endowments, Rs. 1,78,149; Fees, Rs. 4,28,113; Misc., Rs. 10,71,945.)

LIBRARY. 23,606 vols.; 1463 bound periodicals, 330 pamphlets.

LABORATORIES. Phys., Chem., Bot., Zool., Geol., Industr. and Pharmaceutical Chem.

MUSEUMS. Zool., Bot., Geol., Archæol. BOTANICAL GARDENS.

OBSERVATORY. Meteorological Observatory controlled by Physics Dept.

POSTGRADUATE RESEARCH is carried out in all Depts. in Facs. of Sci., Arts and Educn.

UNIVERSITY ENTRANCE REQUIREMENTS. Students who have passed the High Sch. Certif. Examn. of Madhya Pradesh or any other equivalent examn. are eligible for admission to 1st-Year Course (Inter. 1st Yr.). Those who have passed the Univ. Inter. Certif. Examn. or any other examn. recognized by the Univ. as equivalent are eligible for admission to the third-yr. class, *i.e.* first yr. of Bachelor degree course. Grads. of this Univ. as well as of other recognized Univs. are eligible for admission to the postgraduate degree course.

NON-MEMBERS OF THE UNIV. are not admitted to classes.

DEGREES. B.A., B.Sc., B.Com., LL.B., M.A., M.Sc., M.Com., B.T., M.A. in Applied Psychol., M.Ed., B.E., B.E. (Hons.), M.E., B.V.Sc., Ph.D.

EXTERNAL DEGREES. Teachers in recognized schools and colls. within the territorial jurisdiction of the Univ., and women candidates, are admitted to all examns. for External Degrees.

FEES per session. I.A., Rs. 117; I.Sc., B.A., B.Sc., Rs. 135; M.A., M.Sc., Rs. 162; I.Com., Rs. 126; B.Com., Rs. 144; M.Com., Rs. 171; LL.B. Previous, Rs. 108; LL.B. Final, Rs. 126; Soaps and Cosmetics Dipl. Course, Rs. 72.

LANGUAGE OF INSTRUCTION. Hindi and English in Inter. classes. English in undergrad. and postgrad. classes.

STUDENTS' RESIDENCES. 5 halls of residence (4 for men and 1 for women). Total number of students in residence at the Univ. is 550 (500 men and 50 women). *Hostel Fees*: for single room, Rs. 5 p.m.; for double room, Rs. 4 p.m.

STAFF RESIDENCES. About 40 staff members live in the residences on the Univ. campus.

UNIVERSITY MILITARY FORMATION. Regular National Cadet Corps Independent Coy. maintained, through the State Govt., by Ministry of Defence of Govt. of India.

STUDENT HEALTH SERVICE. The Bd. of Physical Welfare supervises the arrangements connected with physical welfare of students. There is a resident Medical Officer and a small Hospital Unit is attached to the Univ.

STUDENTS' UNIONS. Univ. of Saugar Union, Delegacy Students' Union and Hostel Students' Union.

PUBLICATIONS. Univ. *Calendar* (published every 3rd yr.); *Prospectuses* and *Syllabuses* (annual; various prices); *Annual Report*; *University Journal* (twice a yr.); magazines of Students' Unions (twice a yr.).

UNIVERSITY PRESS. The Univ. maintains a small Univ. Press.

THE YEAR 1952–53

NEW BUILDINGS. Work continued on Univ. bldgs. and Library.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	4690	..
Women	462	..
Total	5152	..

DEGREES AWARDED. B.A., 422 ; B.Sc., 132 ; B.Com., 70 ; LL.B., 165 ; M.A., 72 ; M.Sc., 51 ; M.Com., 23 ; B.T., 125 ; M.A. in Appld. Psychol., 4 ; M.Ed., 8 ; B.E. (Hons.), 87 ; B.V.Sc., 38.

DIPLOMAS AWARDED. Dip.T., 148 ; Oriental Learning, 2 ; Nursery Educn., 4.

UNIVERSITY OF TRAVANCORE*

Founded 1937

Postal Address: University Buildings, Trivandrum, India.

CHANCELLOR—HIS HIGHNESS SIR BALA RAMA VARMA, G.C.S.I., G.C.I.E., D.Litt.

VICE-CHANCELLOR—Sir A. RAMASWAMI MUDALIAR, K.C.S.I., D.C.L.

PRO-VICE-CHANCELLOR—P. R. PARAMESWARA PANIKKAR, M.A.

DEANS OF FACULTIES—*Arts*—T. C. SANKARA MENON, M.A.; *Ayurveda*—M. N KESAVA PILLAI; *Commerce*—KERALA VARMA, B.A., B.Com., F.C.A.; *Education*—V. SUNDARARAJ NAIDU, M.A., B.L.; *Law*—K. T. KOSHY, B.A., B.L.; *Medicine*—T. K. RAMAN, M.D., D.T.M.; *Oriental Studies & Fine Arts*—K. GOVINDA PILLAI, B.A., B.L.; *Science*—C. S. VENKATESWARAN, M A., D.Sc., F.I.P.; *Technology*—M. V. KESAVA RAO, B.Sc., Ph.D.

REGISTRAR—P. S. ABRAHAM, B.A., M.Ed. Leeds.

OFFICER-IN-CHARGE, UNIVERSITY LIBRARY—K. P. PILLAI, M.A.

TEACHING STAFF†

Botany
Abraham, A., M.Sc., M.A., Ph.D. Prof.

Chemistry
Narayanan Poti, A., M.A., Ph.D. Prof.

Commerce
.....

Economics
Pillai, V. R., B.A., M.Sc. Prof.

Education
Mani, K. M., M.A. Camb., B.A., B.T. Prof.

Engineering
.....

English
Iyer, S., M.A., Ph.D. Prof.

European Languages
Tamby, T. P., B.A. Lectr.

Fine Arts
.....

Hindi
Bhaskaran Nair, K., B.O.L. Lectr.

History
Pillai, K. P., M.A. Prof.

Islamic Studies
.....

Law
Narayanan, K., B.A., B.L. Prof.

Malayalam
.....

Marine Biology & Fisheries
.....

* Member of the Association of Universities of the British Commonwealth.
† Heads of depts. of study in the Univ.

Mathematics
.....

Oriental Studies, Research in
.....

Philosophy
Sundararaj Naidu, V., M.A., B.L.

Physics
Venkateswaran, C. S., M.A., D.Sc., F.I.P. Prof.

Sanskrit
.....

Sciences, Applied Research in
.....

Statistics
Sivaraman Nair, U., M.A., Ph.D.

Tamil
Jesudasan, C., M A.

Textile Technology
Gopalan Nair, M. P.

Zoology
Bhaskaran Nair, K., D.Sc. Prof.

ADMINISTRATIVE AND OTHER STAFF

Dir. of Res.: C. C. John, M.A., D.Sc., D.I.C. Dir. of Phys. Educ.: P. I. Alexander, B.A., M.P.E. Sec., Employment and Students' Advisory Bureau: E. P. N. Pillai, M.A Oxon. Warden, Univ. Hostel: K. Bhaskaran Nair, D.Sc. Warden, Collegiate Hostel for Women: B. Anandavalli Amma, B.A.

COLLEGES MAINTAINED BY THE UNIVERSITY

Arts and Science Colleges.

FIRST GRADE COLLEGES

TRIVANDRUM, *H.H. The Maharaja's College for Women.* Provides pass courses in Hist., Philos., Music, Maths., Phys., Chem., Bot., Zool., Malayalam and Sanskrit. Principal—B. Anandavalli Amma, B.A. 62 other Teachers.

TRIVANDRUM, *H.H. The Maharaja's Sanskrit College.* An Oriental Coll., providing instruction for the Sanskrit Entrance, Inter. Mahopadhyaya and Post-Mahopadhyaya, Post-Sahityavisarada and Post-Vidvan (B.A. Degree) courses. Principal—N. Gopala Pillai, M.A. 18 other Teachers.

TRIVANDRUM, *H.H. The Maharaja's University College.* Provides pass courses in Hist., Philos., Geology, Econ., Politics, Maths., Phys., Chem., Bot., Zool., Malayalam, Tamil, Sanskrit and Hindi; Hons. courses in Engl., Hist., Philos., Econ., Maths., Phys., Chem., Malayalam and Sanskrit; post-grad. courses in Engl., Hist., Philos., Maths., Phys., Chem., Bot., Zool., Malayalam and Sanskrit. Principal—C. S. Venkateswaran, M.A., D.Sc., F.I.P. 94 other Teachers.

SECOND GRADE COLLEGE

TRIVANDRUM, *University Intermediate College.* Principal—A. Venkitachalam Aiyar, M.A. 46 other Teachers.

Professional Colleges.

ERNAKULAM, *H.H. The Maharaja's Law College.* B.L. course. Principal—V. N. Subramonia Iyer, M.A., M.L. 4 other Teachers.

KALAMASSERY, *Government Polytechnic.* Provides Dipl. courses in Automobile Engin., Food Technol. and Fisheries Technol. Principal—M. Varada Rao, B.Sc. (Eng.). 23 other Teachers.

TRICHUR, *Maharaja's Technological Institute.* Dipl. and Certif. courses in Civil, Mech. and Electr. Engin. Principal—K. C. Chacko, M.A., B.E. 30 other Teachers.

TRIVANDRUM, *College of Engineering.* Degree courses in Civil, Mech. and Electr. Engin. Principal—M. V. Kesava Rao, B.Sc., Ph.D. 30 other Teachers.

TRIVANDRUM, *H.H. The Maharaja's Training College.* B.T. Course. Principal—K. M. Mani, M.A. Camb., B.A., B.T. 13 other Teachers.

TRIVANDRUM, *Institute of Textile Technology.* Dipl. and Certif. courses in Textile Manufacture and Textile Chem. Principal—M. P. Gopalan Nair. 13 other Teachers.

TRIVANDRUM, *Law College.* B.L. course. Principal—K. Narayanan, B.A., B.L. 4 other Teachers.

COLLEGES ADMITTED TO THE PRIVILEGES OF THE UNIVERSITY

Arts and Science Colleges.

FIRST GRADE COLLEGES

ALLEPPEY, *Sanatana Dharma College.* Provides pass courses in Econ., Maths., Bot., Zool. and Comm. Principal—V. Ramanathan, M.A., L.T. 56 other Teachers.

ALWAYE, *Union Christian College.* Provides pass courses in Hist., Philos., Econ., Maths. and Phys. Principal—T. B. Ninan, M.A. 41 other Teachers.

CHANGANACHERRY, *N.S.S. Hindu College.* Provides pass courses in Hist., Philos. and Politics. Principal—G. Thomas, M.A. 46 other Teachers.

CHANGANACHERRY, *St. Berchman's College.* Provides pass courses in Econ., Maths., Phys., Chem., Bot. and Zool. Principal—Rev. Fr. P. C. Mathew, M.A., L.T. 77 other Teachers.

CHITTUR, *Government College.* Provides pass courses in Philos., Econ., Maths., Malayalam, Tamil and Comm. Principal—K. Gopala Panikar, B.A., M.A., L.T. Lond. 44 other Teachers.

ERNAKULAM, *Maharaja's College.* Provides pass courses in Hist., Econ., Maths., Phys., Chem., Bot., Zool., Malayalam and Hindi, Hons. courses in Econ., Maths. and Chem. and postgrad. course in Econ., Maths. and Chem. Principal—P. Narayana Menon, M.A. 99 other Teachers.

KOTTAYAM, *C.M.S. College.* Provides pass courses in Hist. and Maths. Principal—P. C. Joseph, M.A. 41 other Teachers.

NAGERCOIL, *Scott Christian College.* Provides pass courses in Hist., Maths. and Chem. Principal—T. Y. Harris, M.A., L.T. 41 other Teachers.

PALAI, *St. Thomas College.* Provides pass courses in Econ., Maths., Chem. and Bot. Principal—Rev. Fr. Joseph Kuriathadam, M.A. 54 other Teachers.

PANDALAM, *N.S.S. College.* Provides pass courses in Econ. and Maths. Principal—K. R. Narayana Iyer, B.A., M.Sc. 36 other Teachers.

QUILON, *Fatima Mata National College.* Provides pass courses in Hist., Econ., Maths., Bot., Zool. and Comm. Principal—Rev. Fr. Mathew Kuttiath, M.A. 71 other Teachers.

QUILON, *Sree Narayana College.* Provides pass courses in Hist., Econ., Maths., Phys., Chem., Bot. and Zool. Principal—A. Rama Iyer, M.A. 67 other Teachers.

TRIVANDRUM, *Mahatma Gandhi College.* Provides pass courses in Econ., Comm., Maths. and Phys. Principal—P. K. Krishna Pillai, M.A. 61 other Teachers.

TRIVANDRUM, *Mar Ivanios College.* Provides pass courses in Econ., Hist., Maths. and Bot. Principal—N. A. Thomas, M.A., L.T., Ph.D., B.D. 57 other Teachers.

SECOND GRADE COLLEGES

ALLEPPEY, *St. Joseph's College for Girls.* Principal—Sister M. Fernada Riva, B.A., B.T., M.Ed. 12 other Teachers.

CHANGANACHERRY, *Assumption College.* Principal—Rev. Fr. P. C. Mathew, M.A., L.T. 26 other Teachers.

KALADY, *Sree Sankara College.* Principal—K. V. Krishna Iyer, M.A., L.T. 17 other Teachers.

KOZHENCHERRY, *St. Thomas College.* Principal—A. J. Cherian, M.A. 23 other Teachers.

MUVATTUPUZHA, *Nirmala College.* Principal—Rev. Fr. Thomas Nedumkallel, M.A., B.T. 29 other Teachers.

NAGERCOIL, *South Travancore Hindu College.* Principal—S. Sathiavageeswara Iyer, M.A. 31 other Teachers.

PATHANAMTHITTA, *Catholicate College.* Principal—Nicolas Zernov, M.A., D.Phil. Oxon. 25 other Teachers.

QUILON, *Sree Narayana College for Women.* Principal—E. K. Santha, M.A., L.T. 21 other Teachers.

TIRUVALLA, *Mar Thoma College.* Principal—Rev. K. K. George, B.A., B.D., Th.D. 26 other Teachers.

TRIVANDRUM, *N.S.S. College for Women.* Principal—C. Saradamma, M.A., L.T. 20 other Teachers.

Professional Colleges.

CHANGANACHERRY, *N.S.S. Training College.* Principal—M. Gopalan Nair, M.A., L.T. 4 other Teachers.

KOTTAYAM, *Mount Carmel Training College.* Principal—Sister Mary Fidelis, B.A., L.T. 6 other Teachers.

TRICHUR, *Government Training College.* B.T. course. Principal—T. Paul Varghese, B.A., M.Ed. Leeds, Dip.Edn. Leeds. 9 other Teachers.

TRIVANDRUM, *Ayurveda College.* Dipl. course in Ayurveda. Principal—V. K. Girijavallabha Menon. 17 other Teachers.

TRIVANDRUM, *Medical College.* Degree course in Med. Principal—T. K. Raman, M.D., D.T.M. 38 other Teachers.

GENERAL INFORMATION

The University of Travancore was established under an Act promulgated by H.H. The Maharaja of Travancore on Nov. 1, 1937. The chief aims of the Univ. are to effect a reorganization of the system of educn. in the State with a view to the gradual development of technical and technological educn.; to

make greater and more systematic provision for furtherance of original res. in the various branches of Appl. Sci., and to provide for conservation and promotion of Kerala Art and Culture.

The Senate, consisting of between 80 and 90 members, is the legislative body of the Univ. and has general control over the affairs, concerns and properties of the Univ., subject to the ultimate control of the Govt. In addition to the *ex-officio* members—the Vice-Chancellor, Dir. of Public Instruction, Deans of Facs. and Principals of Colls.—the Senate includes also representatives of registered grads. and of the Legislature and a certain no. of members nominated by the Chancellor. The Senate is to be reconstituted every 3 yrs. The Syndicate, consisting of 12 members, forms executive body of Univ., and admin. of affairs of the Univ. and management of instns. maintained by Univ. are vested in the Syndicate. The other authorities of the University are Facs. and Bds. of Studies. At present there are 9 Facs.—Arts, Science, Oriental Studies and Fine Arts, Law, Educn., Technol., Comm., Ayurveda and Med. There are 29 Bds. of Studies.

INCOME (1952–53). Total receipts amounted to Rs. 43,67,739 (including grant by Govt. of India for Research work in Fishery Development Scheme of Rs. 1,15,500).

ADMISSION. Admission to Inter. course in Arts and Sci. is open to holders of the following :—English Sch. Leaving Certif. or Secondary Sch. Leaving Certifs. issued by Dir. of Public Instruction, Travancore-Cochin, who have been declared eligible for admission to a course of study in the Univ. ; completed Secondary Sch. Leaving Certifs. issued under authority of Govts. of Madras and Hyderabad, and declared eligible by Madras Univ. for admission to Univ. course of study ; Sr. Sch. Certif. (English) of Ceylon Educn. Dept., provided that the holder has passed the examn. obtaining full pass with credit in not less than 4 subjects ; Higher Secondary Certif. with 1st or 2nd class, issued by Bd. of Secondary Educn., Hyderabad-Deccan ; London Matricn. Examn. Certif. ; Matric. Certif. of recognized Indian Univ. ; Indian Army Special Certif. of Educn. or Higher Educn. Test Certif. of Indian Navy, or Matric. Test Certif. of I.A.F. ; Oxon. and Camb. Sch. certifs. satisfying following conditions : (i) Pass in certif. examn. in Groups I, II and III satisfying requirements in total of 5 subjects, obtaining credit in not less than 4 subjects, of which at least 3 should be from following : Engl. ; a lang. other than Engl. ; Hist. ; Geog. ; Phys. ; Chem. ; Bot. ; Biol. ; Gen. Sci. ; Phys. with Chem. ; Maths. ; (ii) the pass in 5 subjects and the 4 credits should be obtained at one sitting.

DEGREES AND DEGREE COURSES. B.A. and B.Sc. (Ord.), 2 yrs. after Inter. or 3 yrs. after Univ. Previous ; B.A. and B.Sc. (Hons.), 3 yrs. after Inter. or Univ. Previous. Candidates for M.A. and M.Sc. must undergo prescribed courses of study for 2 yrs. after 1st degree. The M.Sc. is also awarded to grads. of recognized Univs. on result of res. work over 3 yrs. ; non-grads., 4 yrs. The Ph.D. is awarded to M.A.s or M.Sc.s by examn. after 3 yrs.' res. and to M.Sc.s by res. after 2 yrs.' res. The D.Sc. and D.Litt. are awarded to Ph.D.s after 2 yrs.' res. The B.L. is awarded after 2 yrs. and the B.T. after 1 yr. of postgrad. study ; B.Sc. (Eng.), 4 yrs. after Inter. or Univ. Previous ; B.Com., 2 yrs. after Inter. Com. ; M.B., B.S., 5½ yrs. after Inter. ; B.A.M., 5 yrs. after Inter.

DIPLOMAS. Dipl. in Textile Manufacture and Textile Chem., each 3 yrs. after S.S.L.C. Dipls. in Civil, Mech. and Electr. Engin., each 4 yrs. after S.S.L.C. Dipl. in Polytechnic courses (Automobile Engin., Chem. Engin., Food Technol., Fisheries Technol.), each 4 yrs. after S.S.L.C. Dipl. in Ayur-

veda, 5 yrs. after S.S.L.C. Dipl. in Shorthand and Typewriting, 2 yrs. after S.S.L.C.

ORIENTAL STUDIES. The following titles are awarded: Mahopadhyaya Sanskrit), Sahitȳavisarada (Malayalam), Vidwan (Tamil), Vidwan (Hindi).

RESEARCH. To provide increased facilities for Res. in Appl. Sci., a Central Res. Inst. consisting of Water Analysis Section of Water Works Dept. and Res. Sections of Dept. of Agric. and Fisheries, Dept. of Industries and Dept. of Marine Biol. and Fisheries, was started under auspices of the Univ. in 1939. Programmes of Res. were also started under Univ. teachers in Univ. Coll. in the Depts. of Maths., Phys., Chem., Bot. and Zool. A Council of Res. was also constituted. A Division of Mineral Survey and Res. has been organized. Schemes of Res. are undertaken in collaboration with Govt. depts. in the State and outside on an expenditure-sharing basis. The Research students work under the guidance of Officers in the Institute or in the Colleges under the University.

LANGUAGE OF INSTRUCTION AND EXAMINATION. English.

LIBRARIES. Univ. Library contains 47,887 books; Univ. Oriental MSS. Library, over 33,300 MSS. and 3000 printed books.

LABORATORIES. Phys., Chem., Bot. and Zool.

RESIDENCE. Students not living with their parents or guardians must live in approved hostels or lodgings. The Univ. maintains the following hostels: Univ. Hostel, Trivandrum (*Telephone*: 2732) (accomm. for 313 students); Coll. Hostel for Women, Trivandrum (*Telephone*: 2107) (80); Hostel Extension for Women, Trivandrum (168); Univ. Students' Hall, Trivandrum (50); Engineering Coll. Hostel, Trivandrum (26); Law Coll. Hostel, Ernakulam (79). There are other hostels recognized by the Univ.

NATIONAL CADET CORPS. The 1st Travancore Battalion. A Sr. Division of the N.C.C. has been inaugurated in the Univ. to provide for military training of Univ. students. The authorized strength of the Battalion is 10 N.C.C. officers and 315 cadets. O.C., Capt. P. S. Sivaraman Nair.

MEDICAL INSPECTION AND PHYSICAL EDUCATION. Provision has been made for inspection by qualified med. officers of students in Jr. Inter. and Jr. B.A. and Jr. B.Sc. Classes. Phys. Educn. is compulsory for the Inter. course and the Colls. have qualified Phys. Instrs. Athletics have been provided for in all Colls. Univ. tennis stadium; stadium for field sports. Instruction in Yogic phys. culture.

STUDENTS' UNION. Univ. Union, Trivandrum. Hon. Treasurer: K. Bhaskaran Nair, D.Sc.

DEPARTMENT OF PUBLICATIONS. This dept. prepares new books of literary and scientific interest in Tamil and Malayalam.

PUBLICATIONS. *Calendar*: 2 pts. (Pt. I, Act, Statutes, Ordinances, etc., Rs. 4/8; Part II, Syllabus and Text Books, Rs. 1/8; Part I, published once in 3 yrs.; Part II, published annually); *Administration Report* (annual); *Journal of Indian Hist.* (3 issues p.a.), Rs. 10/8 p.a. Sanskrit Journal (quarterly), Rs. 4 p.a.

THE YEAR 1952–53

BENEFACTIONS. Rs. 11,62,003.

NEW COURSES. (1) Agric. and Elements of Econ. introduced as subjects for Part III of Inter. course. (2) B.A.M. (Bachelor of Ayurvedic Medicine)

degree course introduced in Ayurveda Coll., Trivandrum. (3) Post Sahityavisarada degree course introduced in Sanskrit Coll., Trivandrum. (4) Two-yr. degree courses introduced in Fac. of Oriental Studies and Fine Arts to enable holders of Vidvan in Tamil and Hindi to take B.A. degree examn.

OTHER DEVELOPMENTS. (1) Three colls. raised to Degree standard: St. Thomas Coll., Palai; N.S.S. Coll., Pendalaur; N.S.S. Hindu Coll., Changanacherry. (2) Three new colls. started with Junior Intermediate class: Mar Thoma Coll., Tiruvalla; Catholicate Coll., Pathanamthitta; South Travancore Hindu Coll., Nagercoil.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	17,187	15
Women	4,674	1
Total	21,861	16

Postgraduate students, 889.
New admissions, 8199.

DEGREES. B.A., 704; B.A. (Hons.), 20; M.A., 25; B.Com., 34; B.T., 176; B.L., 127; B.Sc., 765; B.Sc. (Hons.), 21; M.Sc., 35; B.Sc. (Eng.), 54.

[*Information compiled as at* 15/7/54.]

UTKAL UNIVERSITY*

Founded 1943

Postal Address : Cuttack 3, Orissa, India.
Telegrams : University, Cuttack.
Telephone (Registrar) : Cuttack 193.

CHANCELLOR—P. S. KUMARSWAMI-RAJA, Governor of Orissa.

PRO-CHANCELLOR—P. PARIJA, O.B.E., D.Sc., M.A. Camb., F.N I

VICE-CHANCELLOR—PARSURAM MISRA, M.Sc. Calc., Ph.D. Leeds.

REGISTRAR—G. C. RATH, M.A. Madr., Dip. in L Sc.

ASSISTANT REGISTRAR—D. P. BARAI, M A., Dip. in Ed

ADMITTED COLLEGES

BALASORE, *Fakir Mohan College* (founded 1944). (*Telephone* : Balasore 18.) B.A., I.Sc. Principal and Admin. Officer, S. G. Singh, M.A. Camb. Teaching Staff—*Bot.*, L. M. Sircar, M.Sc. ; *Chem.*, A. S. Mitra, M.Sc. ; *Econ.*, J. N. Dhar, M.A. ; *English*, K. C. Deb, M.A. ; *Hist.*, R. K. Das, M.A. ; *Maths.*, B. Ray, M.A. ; *Philos.*, H. L. Debnath, M.A. ; *Phys.*, A. Bir, M.Sc. ; *Sanskrit and Oriya*, S. Hota ; *Zool.*, U. C. Panda, M.Sc. 13 other Lectrs.

BARIPADA (MAYURBHANJ), *Maharaja Purna Chandra College* (1948). B.A., I.Sc. Principal and Admin. Officer, J. Mohanty, M.A. Teaching Staff—*Bot.*, S. N. Mitra, M.Sc. ; *Chem.*, T. M. Patnaik, M.Sc. ; *Econ.*, R. C. Patnaik, M.A. ; *English*, D. C. Kuanar, M.A. ; *Hist.*, J. Mohanty, M.A. ; *Maths.*, R. D. Bhargab, M.A. ; *Phys.*, K. S. R. Murty, M.Sc. ; *Sanskrit and Oriya*, R. M. Mahapatra, M.A. ; *Zool.*, P. K. Das, M.Sc. 9 other Lectrs.

BERHAMPUR (GANJAM), *Khallkiote College* (1878). (*Telephone* : Berhampur 67.) B.A., B.Sc., B.Com. Principal and Admin. Officer, N. Padhi, M.A., L.T. Teaching Staff—*Chem.*, P. V. Jagannadha Row, M.Sc., B.Ed. ; *Econ.*, N. Padhi, M.A., L.T. ; *English*, D. R. Panigrahi, M.A., B.Ed. ; *Hist.*, M. Basiston, M.A. ; *Maths.*, K. N. Sundaresan, B.A. And. ; *Philos.*, C. Sitaramaiah, B.A. And. ; *Phys.*, K. V. Iyer, B.A. Madr. ; *Sanskrit and Oriya*, C. M. Das, M.A. ; *Telugu*, P. A. Sastry. 12 other Lectrs.

BHADRAK (BALASORE), *Bhadrak College* (1948.) I.Sc., B.A. Principal and Admin. Officer, G. C. Mohanty, M.Sc. Teaching Staff—*Econ.*, P. K. Ghose, M.A. ; *English*, M. Sarkar, M.A., B.L., B.T. ; *Hist.*, S. K. Ray Choudhury, M.A. ; *Logic*, A. K. Nandi, M.A. ; *Maths.*, P. C. Nayak, M.A. ; *Sanskrit*, P. N. Banerjee, M.A. ; *Oriya*, G. B. Mohanty, M.A. ; *Urdu*, Khawja Budiujjaman, M.A. 4 other Lectrs.

BHUBANESWAR (ORISSA), *Govt. Agricultural College* (1954). I.Ag. Actg. Principal—D. Misra, B.Ag., Dipl. in Agric. Camb.

BOLANGIR (BOLANGIR PATNA), *Rajendra College* (1943). I.Com., B.A. Principal and Admin. Officer, K. P. Tripathy, M.A., Ph.D. Lond. Teaching

* Member of the Association of Universities of the British Commonwealth.

Staff—*Comm*, S. N. Jena, M.Com.; *Econ.*, P. K. Puri, M.A.; *English*, B. N. Misra, M.A.; *Hist.*, B. C. Ray, M.A.; *Maths.*, M. K. Madikhaya, M.Sc.; *Oriya*, B. Raut, M.A.; *Philos.*, A. Manan, M.A.; *Sanskrit*, Pdt. S. Das Sharma. 5 other Lectrs

CUTTACK, *Christ College* (1944). (*Telephone*: Cuttack 213.) B.A. Principal and Admin. Officer, A. B. Mohanty, M.A., B.L. Teaching Staff—*Econ.*, V. Subhramanyan, M.A.; *English*, B. Mohanty, M.A., B.L.; *Hist.*, R. M. Sahoo, M.A.; *Maths.*, M. N. Ray, M.A.; *Oriya*, S. Das, M.A., Dip. in Edn.; *Philos.*, S. R. Mukherjee, M.A.; *Sanskrit*, Pdt. B. Acharya. 4 other Lectrs.

CUTTACK, *Madhusudan Law College of the Utkal University* (transferred to Univ. by Govt. in 1949). LL.B. Prof. of *Law*, K. Satyanarayan Murthy, B.A., M.L. 6 pt.-time Lectrs.

CUTTACK, *Radhanath Training College* (1923). (*Telephone*: Cuttack 275.) Dip. in Edn. Principal and Admin. Officer, B. N. Rath, M.A. Lond. 4 other Lectrs.

CUTTACK, *Ravenshaw College* (1868). (*Telephone*: Cuttack 56.) Inter. Arts and Sci., B.A. and B.Sc. (Pass and Hons.), M.A., M.Sc. Principal and Admin. Officer, B. C. Das, B.A. Lond. Teaching Staff—*Bengali*, V. N. Mukherjee, M.A.; *Bot.*, B. Samantaray, B.L., M.Sc., Ph.D. Lond., D.I.C.; *Chem.*, S. S. Guha Sarkar, D.Sc. Lond., D.I.C.; *Econ.*, S. Misra, M.A., Ph.D. Lond.; *Educn.*, G. K. Mohanty, M.A., Dip. in Edn. Brist.; *English*, B. B. Das, M.A. Patna, A.M. Col., B.Litt. Oxon.; *Geog.*, M. M. Hasan, M.A., M.Ed.; *Hist.*, G. S. Das, B.A. Lond.; *Maths.*, R. N. Mohanty, M.Sc., Ph.D. Lond.; *Oriya and Sanskrit*, K. K. Kar, M.A., D.Litt.; *Philos.*, S. Sahu, M.A., D.Phil. Bonn; *Phys.*, A. K. Dutta, D.Sc. Dacca; *Psychol.*, R. Rath., M.A., Ph.D. Lond.; *Urdu and Persian*, A. Ali, M.A., Dip. in Edn.; *Zool.*, R. N. Mukherjee, M.Sc., Ph.D. 89 other Profs. and Lectrs.

CUTTACK, *Sailabala Women's College* (1915). (*Telephone*: Cuttack 264.) B.A. Lady Principal and Admin. Officer, Mrs. I. L. Sinha, M.A. Lond. Teaching Staff—*Dom. Sci.*, Miss P. Behera, M.A., Dip. H.S.; *Econ.*, Miss Debabala Ray, M.A.; *English*, Mrs. Urmila Das, M.A.; *Hist.*, Mrs. I. L. Sinha, M.A. Lond.; *Maths.*, Miss Rama De, M.A.; *Oriya*, Miss Santilata Behera, M.A.; *Philos.*, Miss Uma Ray, M.A.; *Sanskrit*, Miss Sova Ray, M.A. 6 other Lectrs.

CUTTACK, *Sri Ramchandra Bhanj Medical College* (1949). (*Telephone*: Cuttack 239.) M.B., B.S. Principal and Admin. Officer, S. C. Das, M.B., Ph.D. Teaching Staff—*Anat.*, R. K. Mohanty, M.B., B.S., B.Sc. Tor.; *Biochem.*, K. Subrahmanya, M.Sc.; *Med.*, R. N. Sahu, M.B., B.S. Patna, D.C.H. Lond.; *Ophthalmol.*, M. C. Misra, M.B., B.S., D.O.M.S. Lond.; *Obstet. and Gynæcol.*, Mrs. J. Dei, M.B., B.S.; *Pathol.*, R. N. Sahu, M.B., B.S. Patna, D.C.H. Lond.; *Physiol.*, R. K. Das, M.B., B.S., Ph.D. Lond.; *Surg.*, G. S. Das Mahapatra, F.R.C.S.Ed. 34 other Profs. and Asst. Profs. and Lectrs.

CUTTACK, *Stewart Science College* (1944). (*Telephone*: Cuttack 268.) I.Sc. Principal and Admin. Officer, Rev. E. G. Collins, B.D., T.C. Camb. Teaching Staff—*Chem.*, S. K. Mukherjee, M.Sc., B.L.; *English*, O. Paul, M.A., M.Ed.; *Maths.*, S. M. Das, M.Sc.; *Phys.*, K. N. Ghosal, M.Sc.; *Oriya*, R. N. Dasjew, M.A. 4 other Lectrs.

JAJPUR (CUTTACK), *Narsingha Choudhury College* (1946). I.A. Principal and Admin. Officer, K. B. Pattanaik, M.A., B.L. Teaching Staff—*English*, K. B. Pattanaik, M.A., B.L.; *Econ.*, B. C. Guha, M.A.; *Logic*, N. C. Goswami,

M.A.; *Maths.*, Miss Usha Roy, M.A.; *Oriya and Sanskrit*, J. Rath, B.O.L. 2 other Lectrs.

JEYPORE (KORAPUT), *Vikram Deb College* (1947). I.A., I.Sc. Principal and Admin. Officer, D. N. Dutta, M.B., B.L. Teaching Staff—*Bot.*, P. S. Rao, M.Sc.; *Chem.*, K. M. Senapaty, M.Sc.; *Econ.*, M. Panda, M.A.; *English*, P. C. Patanayak, M.A., B.L., Dip.Ed.; *Oriya and Sanskrit*, L. Misra, B.O.L.; *Maths.*, P. C. Palit, M.Sc.; *Logic*, K. C. Pati, M.A.; *Phys.*, S. C. Panda, B.Sc.; *Zool.*, G. S. Ghosh, M.Sc. 2 other Lectrs.

PARLAKIMEDI (GANJAM), *Sri Krishna Chandra Gajapati College* (1886). B.A. and I.Sc. Principal and Admin. Officer, D. Misra, M.A. Patna, A.M. Col., Ph.D. Teaching Staff—*Agric.*, S. C. Rakshit, M.Sc. Ban.; *Bot.*, C. N. B. Sankar, M.A.; *Chem.*, C. S. Murty, M.Sc., B.Ed.; *Econ.*, S. V. Ramaya, M.A.; *English*, T. Krishna Murty, M.A.; *Hist.*, A. Hussain, M.A., LL.B.; *Maths.*, G. S. Samal, M.A.; *Oriya*, G. Misra, M.A.; *Logic*, R. N. Bhattacharya, M.A.; *Telugu*, A. Narasinga Rao, M.A.; *Zool.*, K. I. Vergheese, M.Sc.; *Phys.*, H. K. Patnaik, B.A., B.Ed. 8 other Lectrs.

PURI, *Samanta Chandra Sekhar College* (1944). B.A., I.Sc. Principal and Admin. Officer, M. A. John, M.A.; Teaching Staff—*Chem.*, A. C. Banerjee, M.Sc.; *Econ.*, M. Mohapatra, M.A.; *English*, T. E. Jayaraman, M.A.; *Hist.*, M. N. Das, M.A.; *Maths.*, I. B. Das Gupta, M.A., B.L.; *Oriya*, R. K. Ray, M.A., Dip.Ed.; *Philos.*, S. Misra, M.A.; *Phys.*, M. Misra, M.Sc. 21 other Lectrs.

SAMBALPUR, *Gangadhar Meher College* (1944). (*Telephone*: Sambalpur 13.) B.A., B.Com., I.Sc. Principal and Admin. Officer, M. Mansinha, M.A., Ph.D. Durh. Teaching Staff—*Bot.*, S. Nayak, M.Sc.; *Chem.*, S. S. Nath, M.Sc.; *Comm.*, P. C. Ray, M.A. (Com.); *Econ.*, N. Mahapatra, M.A.; *English*, S. Sahu, M.A.; *Maths.*, S. P. Misra, M.Sc.; *Oriya and Sanskrit*, G. B. Dhal, M.A. Lond.; *Phys.*, G. Parthasarathi, B.Sc. And.; *Zool.*, M. Zaffrullah, M.Sc. 14 Asst. Profs. and Lectrs.

GENERAL INFORMATION

After the separation of Orissa from Bihar and the creation of a new Province of Orissa in April 1936, a strong desire was expressed among the leaders of the Province to establish a separate University in Orissa. In 1942 a Committee was formed under the presidentship of Pandit Godavarish Misra, M.A., B.T., then Minister of Education, Orissa, to frame and draft the University Bill, which, after being passed in the Orissa Legislative Assembly, received the assent of the Governor of Orissa on Nov. 23, 1943, and from that date Utkal University came into being under the Utkal University Act, 1943 (Orissa Act XIII of 1943).

Utkal University is at present a Univ. with which there are affiliated 16 colls., of which 11 are First Grade Colleges, 3 Second Grade Colleges, 1 Medical College and 1 Training College. The one Law College, which prepares for the LL.B., is a University College. The Univ. has also a Teaching Dept. of Mod. European Langs. (French and German) which prepares students for a Dipl. course in French and German (Lectr.-in-charge: P. Sinha Ray, M.A.), and a Teaching Dept. of Geology at Revenshaw College (Reader: N. Satapathy, D.Sc. And.).

The Univ. has no bldg. of its own as yet, and is at present housed in the Burdwan House, Chauliaganj, Cuttack, which has been leased to the Univ. by the Maharajadhiraja of Burdwan, free of rent. The Univ. is soon to move to

Mangalabag, and the Govt. of Orissa is considering the question of placing the Govt. Circuit House at Mangalabag at the disposal of the Univ. for use as its office bldg.

CONSTITUTION. The Univ. authorities are: the Senate, the supreme governing body of the Univ.; the Syndicate, the Univ. executive body; the Academic Council, which deals with academic matters only; and the Matriculation Bd. Other statutory bodies are the Faculties and Bds. of Studies.

FACULTIES AND DEANS. *Arts*, A. B. Mohanty; *Commerce*, S. Misra, M.A., Ph.D. Lond.; *Education*, B. N. Rath, M.A. Lond.; *Law*, Hon. Mr. Chief Justice L. Panigrahi, B.A., B.L., M.A., LL.B.; *Medicine*, ...; *Science*, B. Prasad, D.Sc. Lond.

ADMISSION to Univ. Inter. courses is by Matriculation examn. of the Univ.; or by one of the following examns. recognized as equivalent thereto: Matricn. Examn., or equivalent, of any Univ. in India constituted by an Act of Provincial or Central Legislature; S.S.L.C. Examn. conducted by Madras S.S.L.C. Bd.; Examn. for Indian Army Spec. Certif. of Educn.; Indian Air Force Matricn. Test; Higher Educn. Test of Indian Navy; Sr. Sch. Certif. Examn. of Govt. of Ceylon; Sr. Cambridge Sch. Certif. Examn.; High Sch. Examn. of Bd. of Sec. Educn., Madhya Bharat, Gwalior; S.S.L.C. Examn. of Sec. Educn. Bd., Mysore; High Sch. Examn. of Bd. of High Sch. and Inter. Educn., Rajputana; Bombay Sec. Sch. Certif. Examn. of Sec. Sch. Certif. Examn. Bd. of Govt. of Bombay; High Sch. Examn. of Bd. of High Sch. and Inter. Educn., Uttar Pradesh, Allahabad; Vidya Vinodini Examn. with advanced English and Maths. of Prayag Mahila Vidyapitha, Allahabad; High Sch. Examn. of Central Bd. of Sec. Educn., Ajmer.

207 High Schools recognized by the Dir. of Public Instrucn., Orissa, are allowed to present candidates for the Matricn. examn. of the Univ.

LIBRARY. 1192 vols., 1353 periodicals, 1195 calendars, prospectuses, etc., of other Univs., 609 Palm-Leaf MSS.

DEGREES. 2 yrs.—B.A. (Pass), B.A. (Hons.), B.Sc. (Pass), B.Sc. (Hons.), B.Com. B.O.L.: no teaching provision made; examn. open to eligible private candidates who are teachers. 5 yrs.—M.B., B.S. 2 yrs. postgraduate—LL.B., M.A., M.Sc. LL.M.—for private candidates only. Ph.D., D.Phil., D.Litt.—by thesis only.

DIPLOMAS, ETC. Dipl. in Education (1 yr.); Dipl. in Mod. European Langs. (French and German) (2 yrs.). Certif. in Mod. European Langs. (French and German) (1 yr.).

COLLEGE FEES (per month). Inter. (Arts and Comm.), Rs. 8; Inter. (Sci.), Rs. 9; B.A. (Pass), Rs. 9; B.A. (Hons.), Rs. 10; B.Sc. (Pass), Rs. 10; B.Sc. (Hons.), Rs. 11; B.Com., Rs. 9; LL.B. (Part I), Rs. 14; LL.B. (Part II), Rs. 14; M.A., Rs. 12; M.Sc., Rs. 14; Dip. and Certif. in French and German, Rs. 5 per subject.

The usual LANGUAGE OF INSTRUCTION in Univ. courses is English.

RESIDENCE. There are 28 hostels, providing accomm. for 1869 men and 74 women. Fees vary according to hostel. There are also 2 hostels for M.S. Law Coll. with accomm. for 80 students. Both hostels are directly under the control and management of the Univ.

ATHLETIC FACILITIES. Inter.-Collegiate games and sports are organized by a Cttee. apptd. by the Syndicate.

STUDENTS' INFORMATION BUREAU, Cuttack 3. Sec., S. Sahu, M.A., Ph.D. Bonn.

N.C.C. 1st Orissa Battalion, National Cadet Corps, has 1 Sr. Div. for Colls. in Cuttack, and 9 Jr. Divs. for other Univ. Colls.

PUBLICATIONS. Annual: *Calendar* (Vol. I, Rs. 5 ; Vol. II, Rs. 7) ; *Financial Estimate* (free); *Annual Report* (free); *Examn. Syllabuses* (various prices). Occasional: *Regulations* (Rs. 2-8) ; *Statutes* (Rs. 2-8) ; *Text Books* (various prices).

UNIVERSITY PRESS. In 1949 the Maharaja of Mayurbhanj gifted the entire Mayurbhanj State Press and Press bldg. to the Univ. The Press is managed by a Cttee. constituted by the Syndicate and is now located at Cuttack.

THE YEAR 1952–53

BENEFACTIONS. Govt. grant, Rs. 1,98,874 ; Endowments, Rs. 44,621 ; Donations, Rs. 871.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	5301	371
Women	496	4
Total	5797	375

Postgraduate students, 182.

DEGREES (1952). B.A. (Pass), 291 ; B.A. (Hons.), 77 ; M.A., 40 ; B.Com., 30 ; LL.B., 162 ; M.B., B.S., 43 ; B.Sc. (Pass), 87 ; B.Sc. (Hons.), 44 ; M.Sc., 17 ; B.O.L., 1.

DIPLOMAS (1952). Educn., 108 ; French Lang., 3 ; German Lang., 2.

VISVA-BHARATI

Established 1921; incorporated as a Central University, 1951

Postal Address: P.O. Santiniketan, District Birbhum, West Bengal, India.
Telegrams: Visvabharati, Santiniketan.
Telephone: Bolpur 21 and 22.

VISITOR—THE PRESIDENT OF THE REPUBLIC OF INDIA.

RECTOR—H.E. THE GOVERNOR OF WEST BENGAL.

CHANCELLOR—JAWAHARLAL NEHRU, Prime Minister of the Republic of India.

VICE-CHANCELLOR—PRABODH CHANDRA BAGCHI, M.A., D. ès L. Paris.

HON. TREASURER—NRIPENDRA CHANDRA MITRA, LL B.

REGISTRAR—NISHIKANTA SEN, M.A.

LIBRARIAN—BIMAL KUMAR DATTA, M.A., Dip. Lib.

TEACHING STAFF

Arabic, Persian and Islamic Studies

Ray, N. B., M.A — Reader.
Asiri, F M., D.Phil., M.A — Reader.

Arts and Crafts

Bose, N , D.Litt. — Emer. Prof.
Kar, S. — Prof.
Dev Burman, D. K — Reader.
Baij, R. — Lectr.

Bengali and other Modern Indian Languages

Sen, P. C., M.A. — Reader.
Goswami, N. B. — Lectr.
Das, U. N., M.A. — Lectr.
Mandal, P., M.A. — Lectr.
Ghoshal, S. N., M.A — Calc. and Alld. Lectr.
Sen, A. K., M.A. — Calc. and Col. Lectr.

Chinese and Japanese

Tan Yun-Shan — Prof.
Yang Yun-Yuan — Lectr.
Wei Kwei-Sun, Ph.D. — Lectr.

Education

Sarkar, S C., M A., B.T. — Reader.
Chatterjee, N. C., M.A., B.T. — Lectr.
Rai, J. G., M A., B.T., M.Ed. — Lectr.

English and other Modern European Languages

North, R B., M.A. Oxon. — Prof.
Liebenthal, W., Ph.D. Bres. — Visiting Prof.
Datta, H. N., M.A. — Lectr.
Ghosh, S. K., M.A., D.Phil. — Lectr.
Horsch, P., D.Phil. Paris — Res. Fellow.

Hindi

Rajpai, M., M.A., LL.B. — Lectr.

History, Economics and Geography

Chatterjee, S., M.A., Ph.D. — Prof.
Das Gupta, S. S., M.A. — Lectr.
Roy, S. C., M.A. — Lectr.

Mitra, A. K., M.A. Lectr.
Bose, S. K., M.A. Lectr

Mathematics

Ghosh, P. K., M.A. Lectr

Music

Devi Chaudhurani, Indira Hon. Dir.
Majumdar, S. R., M.Sc., LL.B. Reader
Ghosh, S. Reader
Chinchore, P. N., M.A. Reader.
Wazalwar, V. V. Lectr.

Oriya

Das, K., M.A. Lectr

Pattnayak, D. P., M.A. Lectr.

Philosophy and Religion

Roy, B. G., M.A. Reader.
Sen Gupta, S. C., M.A., Ph.D. Lond

Sanskrit, Pali and Prakrit

Bhattacharya, S., M.A., Ph.D. Lond., D.Litt. Lille. Prof.
Bhattacharya, S., Sastri Lectr.
Chakravarti, N., M.A. Lectr.
Aiyaswamy, N., Sastri, Siromani. Lectr.

Science

Das Gupta, P. C., M.Sc. Lectr.
Sanyal, J., M.Sc Lectr.

ADMINISTRATIVE AND OTHER STAFF

Dir. of Res. Studies: P. C. Bagchi, M.A., D. ès L. Paris; Asst. Registrars: S. C. Chakravorty, M.Sc., LL.B., and K. Roy, M.A.; Accts. Officer: A. Sen Gupta, B.A.; Curator, Rabindra-Sadana: P. Neogy, A.M. Harv.; Proctor: S. S. Das Gupta, M.A.; Phys. Educn. Orgr.: Lt. S. N. Choudhury, B.Sc.; O.C., N.C.C.: Lt. P. K. Ghosh, M.A.; Med. Officer: S. C. Mukherjee; Dir., Rural Reconstruction Dept.: D. Roy; Dir., Publications Dept.: C. C. Bhattacharya, M.A.; Editor, *Visva-Bharati Quarterly*: K. Roy, M.A.; Res. Officer, Agro. Econ. Res. Sect.: D. Ray, M.A.

CONSTITUENT INSTITUTIONS

CHEENA-BHAVANA (Inst. of Sino-Indian Studies and Res.). Seeks to revive the old cultural links between India and China. Sinol. and Tibetan Studies form the main work of this Section. It provides for a 2-yr. course for a Certif. of Proficiency in Chinese, followed by a 3-yr. Dipl. course in the same lang. The courses are open to students of postgrad. and undergrad. classes of Visva-Bharati, staff-members of Visva-Bharati, students preparing for the Foreign and Defence Services, or any other person recommended by the Principal of a constituent coll. of Visva-Bharati.

HINDI-BHAVANA (Inst. of Hindi Studies and Res.). Organizes teaching of Hindi in the other constituent institutions, in addition to undertaking original res. in Hindi Lang. and Lit.

KALA-BHAVANA (Coll. of Fine Arts and Crafts). Owes its inspiration to the artistic renaissance in Bengal under the guiding spirit of Acharya Abanindranath Tagore. Trng. is provided in Drawing, Painting, Modelling, Sculpture, Etching, Wood- and Lino-cut, Fresco-painting and Design-drawing, Embroidery, Batique and Artistic Leather-work. It maintains a museum, a library and an exhibition hall.

PATHA-BHAVANA (School Section) provides instrucn. for Matriculn. Examn. Medium of instrucn.: Bengali.

SANGITA-BHAVANA (Coll. of Music and Dance). Gives trng. in Indian Music, classical and modern, vocal as well as instrumental. A systematic study is

made of Northern (Manipuri) and Southern (Kathakali) styles of Dance. Sp. facilities for study of songs of Rabindranath Tagore.

Both Kala-Bhavana and Sangita-Bhavana offer 4-yr. diploma courses to matriculates only. Non-matriculates are accepted for admission to Dipl. courses provided they pass an admission test conducted by the Principal of the Bhavana concerned. After passing the dipl. examn., able students may be admitted to a 1-yr. specialized course leading to a Bachelor's degree in Fine Arts, Music or Dancing. Both the Bhavanas provide also for a 2-yr. certif. course in a specific subject included in the programme of studies of the Bhavana concerned.

SIKSHA-BHAVANA (Col. Section) provides instrucn. for I.A., I.Sc., B.A. Pass and Hons. Hons. subjects : Engl., Econ., Hist., Philos., Sanskrit, Bengali and Hindi. Tutorial help, emphasis on social, cultural, literary and other extra-curricular activities are some of the distinguishing features of the Coll.

VIDYA-BHAVANA (Coll. of Postgrad. Studies and Res.). Mainly concerned with Indological Studies in Vedic, Puranic, Buddhist, Jain, Zoroastrian and Islamic cultures and in major langs. and lits. of India. Degree course for Ph.D. (2 yrs.) in any subject in which instrucn. is provided. M.A. course (2 yrs.) in the following subjects : Anc. Indian Hist. and Culture ; Sanskrit Lit. ; Bengali Lang. and Lit. ; Bengali Lit. with sp. ref. to the work of Rabindranath Tagore ; Hindi Lang. and Lit. ; Oriya Lang. and Lit. ; and Urdu Lang. and Lit. Hons. grads. of recognized Univs. are ordinarily admitted to the M.A. course. Pass grads. of recognized Univs. are also exceptionally admitted on passing an admission test. M.A. courses consist of lectures, seminar work, as well as training in the methodology of higher studies and res. 2-yr. certif. course (for postgrad. and undergrad. students) in Foreign Langs., viz., French, German and Persian ; followed by a further 1-yr. dipl. course in the same langs.

VINAYA-BHAVANA (Coll. of Teaching). B.T. degree course (1 yr.). A sp. feature is the trng. given in craft and other creative activities in addition to theoretical subjects. There is also a 3-month Cert. course in Activity Educn. B.T. grads. of Visva-Bharati, grads. with recognized trng. in Basic Educn. or with at least 3 yrs.' experience in Basic Educn., or holders of recognized dipl. in Arts or Crafts, are eligible for admission to this short course.

GENERAL INFORMATION

Visva-Bharati was founded by Rabindranath Tagore. The aims of the Univ. are to study the mind of Man in its realization of different aspects of truth from diverse points of view ; to bring into closer relationship with one another, through study and research, the different cultures of the East on the basis of their underlying unity ; to approach the West from the standpoint of such a unity of the life and thought of Asia ; to seek to realize in a common fellowship of study the meeting of the East and the West, and thus ultimately to strengthen the fundamental conditions of world peace through the establishment of free communication of ideas between the two hemispheres ; and with such ideals in view, to provide at Santiniketan a cultural centre where research into and study of the religion, lit., hist., sci. and art of Hindu, Buddhist, Jain, Islamic, Sikh, Christian and other civilizations may be pursued along with the culture of the West, with that simplicity in externals which is necessary for true spiritual realization, in amity, good fellowship and co-operation between the thinkers and scholars of both Eastern

and Western countries, free from all antagonisms of race, nationality, creed or caste.

Visva-Bharati grew out of Santiniketan Asrama founded in 1863 by Maharshi Devendranath Tagore. The Asrama was meant to be a retreat where seekers after truth might come and meditate in peace and seclusion. In 1901 an experimental school was started at Santiniketan by Rabindranath Tagore with the object of providing for a limited number of children an education which would not be divorced from Nature, where the pupils could feel themselves to be members of a large community. Since 1921 Santiniketan has been the seat of Visva-Bharati, which was incorporated as a Univ. by Act XXIX (1951) of the Indian Parliament. Visva-Bharati is an all-India institution with students and teachers drawn from all over India, with a proportion of teachers, students and visitors from abroad. Students live a communal life, all Colls. and Insts. being co-educational and residential.

Besides the academic institutions mentioned above, the Univ. conducts 2 Depts. : one for Rural Reconstruction and the other for publication of books of educational and cultural interest. The Palli-Samgathana Vibhaga (Rural Reconstruction Institute) at Sriniketan is concerned mainly with a comprehensive study of the problems of rural life in its social, cultural, economic and other aspects and extension work in the villages on the basis of such a study. The Institute maintains a model primary school for rural children, a teachers' training school for serving primary education in rural areas, as well as an agency for propagation of folk education and social education. There is a section for rural industries where training is provided to apprentices in a variety of crafts.

Univ. area occupies over 11 sq. miles. Main bldgs. of the Univ. comprise Central General Library, Vidya-Bhavana, Kala-Bhavana, Sangita-Bhavana, School, Vinaya-Bhavana, Siksha-Bhavana, Rural Reconstrucn. Inst. bldgs. at Sriniketan, Hindi-Bhavana, Cheena-Bhavana, Dinabandhu-Bhavana, Ratan Kuthi, Guest House and New Guest House, Lab., Refectory, newly built Stage, Sinha-Sadana Lecture Hall, Students' Hostels, including Sri-Sadana (women's hostel), Karma-Sachiva's (Registrar) Offices, Vinaya-Bhavana Colony bldgs. Staff quarters at Santiniketan, Sriniketan and Vinaya Palli, etc. Agricultural Farm attached to Rural Reconstrucn. Dept.

CONSTITUTION. *Samsad* (Court), supreme governing body of Univ. ; *Karma-Samiti* (Executive Council), Univ. executive body ; *Siksha-Samiti* (Academic Council), which deals with academic matters only.

INCOME. Total income (1954)—Rs. 20,59,765.

LIBRARY. Central Library contains over 109,000 vols. besides MSS. and Journals. Sectional Librs. attached to Colls. MSS. Section contains over 75,000 MSS. in Bengali, Pers., Oriya and Sansk. Cheena-Bhavana Lib. has more than 100,000 fascicles bound in 35,133 combined vols. of important Chinese books. A complete set of the Tibetan *Tripitaka* consisting of 317 bundles of Kylography.

MUSEUM. Rabindra-Sadana. Material relating to Tagore : MSS. of 102 of his published works in Bengali, more than 1600 of his paintings, letters addressed to him by his contemporaries, and personal effects. Literature on Tagore and his works.

MEDICAL FACILITIES. Pearson Memorial Hosp. managed by the Univ. has two full-time Med. Officers as well as part-time eye specialist, dental surgeon. Outdoor and indoor treatment, clin. lab. and X-ray apparatus. Quarantine annexe. Leprosy Clin. at Sriniketan.

DEGREES. B. A. Pass, 2 yrs. (3rd yr. for Hons.). Hons. courses are supplementary to Pass courses and are available in Engl., Philos., Econ., Hist., Sansk., Mod. Indian Langs. M.A. is postgrad. degree, 2 yrs.: Part I, written examn. after 1st yr.; Part II, thesis to be submitted after 2nd yr. Ph.D. is post-M.A. res. degree, 2 yrs. B.T. is postgrad. teaching degree, 1 yr.

DIPLOMAS. In Fine Arts and Crafts (4 yrs.); Music and Dancing (4 yrs.); Chinese (3 yrs.); French, German, Persian (3 yrs.).

CERTIFICATES. Fine Arts and Crafts (2 yrs.); Music and Dancing (2 yrs.); Chinese (2 yrs.); French, German, Persian (2 yrs.); Activity Educn., post-B.T. (1 yr.).

POSTGRADUATE STUDIES AND RESEARCH. Short-term courses are available to overseas students in Indian Art and Music; also research facilities in Indology, Sansk., etc. Entrance requirements, etc. available from Registrar.

STUDY LEAVE is granted to members of staff.

FEES. Annual fees: Rs. 300, inclusive of tuition, med. help, sports, library, and hostel accomm. Refectory charges: Rs. 45 p.m., during term only. Admission fee: about Rs. 25.

ACADEMIC YEAR. July to April: three terms of approx. 3, 2, 4 months.

LANGUAGE OF INSTRUCTION is English, except in Patha-Bhavana (School Section), where Bengali is used.

RESIDENCE. Men have sep. hostels attached to various depts., while women have a common hostel (Sri Sadana).

PUBLICATIONS. The Univ.'s Publicn. Dept. (Granthana-Vibhaga) has its H.Q. in Calcutta. This Dept. owns the copyright of the Bengali works of Rabindranath Tagore. Its publicns. may be classified as follows: (i) Writings of Rabindranath Tagore; (ii) Series of books for folk educn.; (iii) Series of general knowledge books; (iv) Res. publicns. under auspices of Vidya-Bhavana Res. Dept., including *Visva-Bharati Studies* and *Visva-Bharati Annals*; (v) School text-books; (vi) Univ. *Calendar*, *Annual Report*, *Bulletins*, *Pamphlets*, *Visva-Bharati News*. Cultural organs: *Visva-Bharati Quarterly* and *Visva-Bharati News* in English, *Visva-Bharati Patrika* in Bengali.

UNIVERSITY PRESS. Univ. Press at Santiniketan prints various publicns. under the imprimatur of Visva-Bharati.

THE YEAR 1952–53

BENEFACTIONS. Bengal Chamber of Commerce, Rs. 10,000 (annually, for 5 yrs.) for Chair of English; Bata Shoe Co., Rs. 10,000 (annually, for 5 yrs.) for Chair of Econ.; Ballavdas Agrawal, Rs. 12,000 for Chair of Hindi; Birla, B.M., Rs. 12,000.

NEW DEPARTMENT AND POSTS. Social Education Organizers' Training Centre opened at Vinaya-Bhavana.

VISITING PROFESSORS. A. Khan, Music; L. C. Goodrich, Chinese Hist. and Lit.; Dr. W. Liebenthal, Buddhism and Sinol.; R. B. North, English.

NEW COURSES. Lang. Certif. courses in Chinese, French, German, Persian; Certif. course in Fine Arts and Crafts.

STUDENT NUMBERS (Post-Matriculn. only). Men, 231; women, 169. Total: 400.

Postgraduate students, 39.
New admissions, 157.
Students from other countries, 27. (Countries from which largest numbers came : U.S.A., 6 ; Ceylon, 6 ; China, 5.)

DEGREES AWARDED. B.A., 18 ; M.A., 2 ; B.T., 30.

DIPLOMAS. Fine Arts and Crafts, 20 ; Music and Dancing, 5.

[*Information compiled as at* 9/8/54.]

INDIAN INSTITUTE OF SCIENCE

Founded 1911

Postal Address : Bangalore 3, India.
Telegrams : Science, Bangalore.
Telephone : Bangalore 2022.

VISITOR—THE PRESIDENT OF THE REPUBLIC OF INDIA.

CHAIRMAN OF THE GOVERNING COUNCIL—Sir VITHAI N CHANDAVARKAR, M.A.

DIRECTOR—Professor M. S. THACKER, B.Sc. (Eng.) Brist.

REGISTRAR—A. G. PAI, M.A. Camb.

LIBRARIAN—B. V. RAGHAVENDRA RAO, D.Sc. Madr.

TEACHING STAFF

Biochemistry

Giri, K. V., D.Sc. Calc., F.R.I.C. Prof. and Hd. of Dept.

Cama, H. R , B.A., M.Sc. Bom , Ph.D. Liv. (Food. Technol.) Asst. Prof.

Subramaniam, M. K., D Sc. Madr. (Cytogenetics) Asst. Prof.

Lecturers

Narasimha Rao, P. L., M.Sc. Annam., Ph.D. Bom. (Antibiotics).

Pillai, S. C., Ph.D. Madr.

Rajagopalan, R., B.Sc. Rangoon, Ph.D. Bom., F.R.I.C.

Ganguly, J., M Sc. Dacca, Ph.D. R'dg.

5 Res. Assts.

Chemistry, General

Krishnaswami, K. R., D.Sc. Lond., F.R.I.C., F.N.I. Nizam Prof. and Hd. of Dept.

..... (Phys. Chem.) Prof.

Aswatha Narayana Rao, M. R., D.Sc. Madr., F.R.I.C. (Gen. and Phys. Chem.) Asst. Prof.

Lecturers

Rama Char, T. L , M.Sc., Ph.D. Dacca, F R I.C (Electro-Chem.)

Patel, C. C., M.Sc., Ph.D. Bom. (Inorg. C.).

Subramanya, R. S , M.Sc. Mys. (Appl. C.).

Vasudeva Murty, A R., D Sc.Mys.

4 Res. Assts.

Chemistry, Organic

Banerjee, D. K , D Sc. Calc. Prof.

Iyer, B. H., M.Sc., Ph.D. Bom., F.R I.C. Asst. Prof.

Dev, S., Ph.D. Lectr.

Phadke, Miss R. V., M.Sc Bom., D.Phil. Oxon. Lectr.

3 Res. Assts.

Economics and Social Sciences

Sastry, N. S. N., M.A., D.Litt. Mys. (Social Scis.) Asst. Prof.

Munshi, M. C., M.A., D.Litt. Bom. (Industrial Econ.) Asst. Prof.

2 Res. Assts.

Engineering, Aeronautical

Tietjens, O. G., D.Phil. Gött. Prof. and Hd. of Dept.

Joga Rao, C V., B.Sc (Eng.) Ban., M.S. Stan (Structures) Asst. Prof.
Dhawan, S., Ph.D. Cal. Tech., B.Sc. (Engg.), M.A. Panj., M.S. Minn. Asst. Prof.

Lecturers

Krishnaswamy, T. N., B.E. Mys. (Design).
.....
Srinivasa Row, P., M.Sc. Calc. (Instruments).
Das, A.
Ramachandra, S. M., B.E. Mys.
Amba Rao, C. L., B.Sc. (Engg.) Ban.
.....
.....
1 Tech. Asst., 1 Res. Asst.

Engin., Civil and Hydraulic

Govinda Rao, N. S., B.E. Mys. Prof.
Seetharamiah, K., B.E. Mys (Hydraulics) Asst. Prof.
Janaki Ram, G., B.A. Madr., B.Sc. (Engg.) Ban. (Structr. Engin.) Asst. Prof.
Nagaraj, C. N., B.Sc., B.E. Mys. Lectr.
2 Res. Assts.

Engineering, Electrical

Ghosh, C. S., M.Sc. Calc., S.M. M.I.T. Prof.
Ramachandra Rao, H. N., M.Sc. Calc. (Transmission and Distribution) Asst. Prof.
Narayana Iyengar, B. N., B.Sc. Mys. (Electr. E. Design) Asst. Prof.
Venkata Rao, P., M.Sc. And. Lectr.
Narayanan, M. S. T., B.E. Mys. Lectr.
Vithayathil, J., B.Sc. Trav. and Lond. Lectr.
Prabhu, K. S., B.A. Madr, M.Sc. Ban. Lectr.
..... Lectr.
1 Tech. Asst., 3 Res. Assts.

Engineering, Electrical Communication

Sreenivasan, K., B.Sc. Mys. Prof. and Hd. of Dept.
Ramakrishna, B. S., B.Sc. And., M.Sc. Ban., Ph.D. Chic. (Acoustics) Asst. Prof.
Chatterji, S. K., M.Sc. Calc. Asst. Prof.
Chatterji, Mrs. R., M.Sc. Mys., Ph.D. Mich. Lectr.
Krishnan Nair, K., M.Sc. Trav. (Line) Lectr.
Sampath, S., B.Sc. Madr., M.S. Stan. Lectr.
Nagaraja, N. S., B.Sc. Mys Lectr.
3 Res. Assts.

Engineering, Internal Combustion

Havemann, H. A, Dr.Ing. Brunswick Prof. and Hd. of Dept.
Krishnamurthy Rao, M. R., B.E. Mys. Asst. Prof.
Mahadevan, K., B.E. Madr. Lectr.
Sreenath, A. V., B.E. Mys. Lectr.
Narayanaswamy, K., B Sc. Mys, B E. (Mech.) (Gas Turbines). Lectr.
5 Res. Assts.

Engineering, Power

..... Prof. and Hd. of Dept.

High Voltage Engin.

..... Prof.
Badkas, D. J, M.Sc. Nag. Asst. Prof.
Gopalakrishna, H. V., B.Sc., B.E. Mys. Lectr.
Narayan, N., B.E. Mys. Lectr.
1 Res. Asst.

Mechanical Engin.

..... Prof.
Ramachandran, A., B.E. Madr., M.S., Ph.D. Purdue (Thermal) Asst. Prof.
Narayana Murthy, R. G., B.E. Madr., D.I.C. (Plant) Asst. Prof.

Srinivasan, P., B.Sc., B.E. Mys. Lectr.
Thirunarayanan, M. A., B.Sc. Madr., B.E. Mys. Lectr
Jaya Rao, G., B.E. Mech. And. Lectr.
Raghavan, M. R., B E. Mech. Mys Lectr.
1 Tech. Asst., 2 Res. Assts.

Fermentation Technology

Bhat, J. V., Ph.D. Bom. Asst. Prof
1 Res. Asst.

Mathematics, Applied

..... Prof.
..... Lectr.

Metallurgy

Prakash, B., M.Sc , Ph.D. Panj., Sc D. M.I.T. Prof. and Hd. of Dept.
Ramachandran, E G., M.Sc. Mys., Ph.D. Sheff. Asst. Prof.

Lecturers

Balachandra, J., B.Sc., B.E. Mys. (Electro-Metall.).
Srinavasan, N. R., M.Sc., Ph.D. Agra (Mineral Chem. and Ore Dressing).
Bhattacharyya, D. L., M.Sc. Calc. (Electron Phys.).
Deshpande, R. C., B.Sc., B.Sc. (Tech.) Bom., Ph.D.
4 Res. Assts.

Modern European Languages

Graefe, W., Ph.D. Leipzig Lectr.

Pharmacology

Sirsi, M., M.B., B.S. Mys. Asst. Prof.
Wadhwani, T. K., B.Pharm. Ban.
2 Res. Assts.

Physics

Krishnan, R. S., M.A., D.Sc. Madr., Ph.D. Camb., F.N.I. Prof. and Hd. of Dept.
Ramaseshan, S., D.Sc. Nag. Asst. Prof.
Narayanan, P. S., M.A., M.Sc., Ph.D. Madr. Lectr.
Sundara Rao, R. V. G., D.Sc. And. Lectr
3 Res. Assts.

Technology, Chemical, and Engineering, Chemical

Weingaertner, E , Dr.Ing. Darmstadt Prof and Hd of Dept.
Ghosh, S. S., M.Sc., D.Phil. Calc. Asst. Prof.
Dutta, R. L., M.Sc. Dacca, Ph.D. Lond., D.I.C. Lectr.
Venkatakrishnappa, B. S., M Sc. Mys., B Sc.Tech. Madr. Lectr.
..... Lectr.
2 Res. Assts.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar : S. S. Prabhu, B.A., B.L. Madr. Accts. Officer : B. S. Visweswaraiya, B.S., M.A. Mys. ; Internal Auditor : P. Sambat Iyengar, B.A. Madr. Hon. Consulting Med. Officer : M. N. Mahadevan, M.B., B.S., D.T.M. Resident Med. Officer : T. B. Subba Rao. Hon. Warden, Women's Hostel : Miss R. V. Phadke, M.Sc. Bom., D. Phil.Oxon. Warden : N. Kunchithapadam, M.A. Madr. Hon. Horticultural Adviser : B. S. Nirody, M.Sc. Mass. Engineer-in-charge Roads and Bldgs. : V. S. Ramacharya, B.E. Mys.

GENERAL INFORMATION

The objects of the Inst. are (i) to provide for advanced instruction and to conduct original investigations in all branches of knowledge and in particular in such branches as are likely to promote the material and industrial welfare of India, (ii) to establish and maintain Chairs and Lectureships in

Science, Arts and Technol., (iii) to provide suitable libraries, labs. and equipment, (iv) to co-operate as far as possible with such recognized instns. as exist or may be founded in future for cognate objects in India.

LIBRARY. 47,625 vols.

TERMS. July-Sept., Oct.-Dec., Jan.-March.

COURSES. Associateships (A.I.I.Sc.) equiv. to a first-class M.Sc. are awarded, on the recommendation of the Senate, for 5 terms devoted entirely to res. work. Memberships (M.I.I.Sc.) equiv. to Ph.D. are awarded, on the recommendation of the Senate, to Associates, Dipl. holders of the Inst. in Power Engin., or holders of a 1st-class M.Sc. or an M.Sc. by research, for 3 terms of res. work at the Inst. Fellowships (F.I.I.Sc.) equiv. to D.Sc. are awarded to members with 3 yrs. of res. work at the Inst. or in practice and to Associates with 4 yrs. of res. work at the Inst. or in practice, who can produce evidence of having performed original and valuable res. work or having otherwise made an outstanding contribution to the advancement of scientific or industrial knowledge. Dipls. (D.I.I.Sc.) are granted to students who satisfactorily complete the approved course of study. 331 Associateships, 8 Fellowships, 6 Hon. Fellowships and 881 Certifs. or Dipls. have been granted.

Facilities for research exist in most departments.

FEES. Rs. 180 per session for students admitted to Dipl. course. Rs. 120 per session for students admitted for res. work.

The usual LANGUAGE OF INSTRUCTION is English.

INSTRUCTION IN FOREIGN LANGUAGES, ETC. Classes in French and German are held to assist students to acquire a working knowledge of these langs. and especially to enable them to read the technical lit. available in the library. Instruction in Econ. and Soc. Scis. is also provided.

RESIDENCE. Students must reside in one of the hostels situated on the campus of the Inst. Accomm. available for about 420 students. Sep. accomm. provided for women students. Room rent: Rs. 12·8 p.m. per person for single rooms and Rs. 10 p.m. per person for shared rooms.

RECREATION. A Gymkhana provides recreation and social amenities for students and staff. Attached thereto are the Ranade Reading Room and Library, a Gymnasium, a Swimming Club and a Rifle Club. The Gymkhana also conducts musical and rhetoric socs. and publishes a Magazine once a year.

NATIONAL CADET CORPS. There is an Electrical and Mechanical Engineers Wing of the N.C.C. C.O.: Capt. M. L. Anand.

PUBLICATION. *Journal* of the Institute.

THE YEAR 1952–53

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	300	..
Women	8	..
Total	308	..

CEYLON

[*Information compiled as at July* 1954.]

UNIVERSITY OF CEYLON*

Founded 1942

Postal Address (*Registrar*) : Peradeniya, Ceylon.
Telegrams : University, Colombo.
Telephones—
Colombo : Colombo 8349.
Peradeniya : University Exchange Kandy, Ext. 248.

CHANCELLOR—H.E. THE GOVERNOR-GENERAL.

PRO-CHANCELLOR—THE MINISTER OF EDUCATION.

VICE-CHANCELLOR—Sir NICHOLAS ATTYGALLE, F.R.C.S., F.R C.O.G.

REGISTRAR—H. J. BALMOND, B.A. Lond.

ASSISTANT REGISTRARS—B. C. ANGHIE, B.A. Lond. ; W. F. ABEYAKOON ; W. A. JAYAWARDENA, M.A.

LIBRARIAN—S. C. BLOK, B.A. Lond., F L.A.

TEACHING STAFF

Agriculture

McRostie, P. G.
Prof. and Hd. of Dept.
Makhijani, J. K., B.Sc.Agric. Bom., Ph.D. Edin (Animal Husbandry) Prof.
Livera, E. J., B.Sc. (Agr.) Lond. Lectr
Aiyar, S. P., B.A. Madr., Ph.D. Lond. Lectr.
Baptist, B. A., Ph.D. Lectr.
Seneviratne, S. T., B.Sc. (Ag.) Asst. Lectr.
Kalpage, F. S. C., B.Sc. Asst. Lectr.

Anatomy, v. Medicine

Arabic

Yusuf, S. M., M.A., Ph.D. Alig.
Lectr. and Hd. of Dept.

Botany

Lecturers

de Silva, B. L. T., M.Sc. Lond.
Actg. Hd. of Dept.
Abeywickreme, B. A., B.Sc. Lond., Ph.D. Camb.
Dissanayake, M. D., B.Sc.
Tambiah, M. S., B.Sc., Ph.D.

Chemistry

Fonseka, E. L., M.Sc., Ph.D. Lond.
Prof. and Hd. of Dept.

Lecturers

de Silva, C. L., B.Sc. Lond.
Sultan Bawa, M. U., B.Sc. Lond., Ph.D.
Ludekens, W. L. W., B.Sc., Ph.D.
Devanathan, M. A. V., B.Sc., Ph.D.

Assistant Lecturers

Chanmugam, J., B.Sc.
Siriwardena, P. P. G. L., B.Sc.
Wannigama, G. P., B.Sc.

Classics

Rodrigo, J. L. C., B.A. Lond., M.A. Oxon.
Prof. and Hd. of Dept.

* Member of the Association of Universities of the British Commonwealth.

Lecturers
Amerasinghe, C. W., B.A. Lond., M.A. Camb.
Wickremanayake, G. H., B.A. Lond. and Oxon.
Pathmanathan, R., B.A. Oxon. and Ceyl.

Economics
..... Prof.

Lecturers
Jayasuriya, F. R., B.A., B.Sc. (Econ.) Lond.
Actg. Hd. of Dept.

Lecturers
Gunasekera, H. A. de S, B.A., M.Sc. (Econ.) Lond.
Sarkar, N. K., M.A. Calc.
Weerawardena, I. D. S., B.A., Ph.D.

Assistant Lecturers
de Silva, G. V. S., B.A.
Vandendriesen, I. H., B.A.
Indraratne, A. D. V. de S., B.A.
Wilson, A. J., B.A.
Rajaratnam, S., B A.

Education
Green, T. L., M.A., B.Sc. Brist.
Prof. and Hd. of Dept.
Arulanandy, K. S., M.Sc. Lond. Lectr.
Nesiah, K., M.A. Madr. Lectr.

Assistant Lecturers
Jayasekara, U. D., B.A.
Jayasuriya, J. E., M.A.
Wickremasuriya, Miss C., B.A. Lond.
Thani Nayagam, Rev. Fr. Xavier S.

English
Ludowyk, E. F. C., B.A. Lond., M.A., Ph.D. Camb.
Prof. and Hd. of Dept.
Passé H. A., B.A. Lond
Reader.
de Souza, A. T. A., B.A. Lond.
Lectr.
Mayhead, R., B.A. Camb.
Amerasinghe, U. A., B.A.
Asst. Lectr.

Geography
Kularatnam, K., M.A. Lond., D. de l.'U. Paris, Dip.Geog. Madr. Lectr.
Wikkramatilleke, W. A. R., M.A
Asst. Lectr.
Thambipillai, G. Asst. Lectr.

History
Ray, H. C., M.A. Calc., Ph.D., D.Lit. Lond.
Prof. and Hd. of Dept.
Mendis, G. C., B.A., Ph.D. Lond.
Reader.

Lecturers
LaBrooy, W. J. F., B.A. Lond.
Pinto, Rev. Fr. S. I., B.A. Lond., M.A. Oxon., B.D. Rome.
Sinha, D. P., B.A. Calc., M.A. Lond.
Vimalananda, T., M.A. Calc., Ph.D.
Perera, L. S., B.A., Ph.D.
Goonewardena, K. W., B.A.
Mahendran, S., B.A.
Arsaratnam, S., B.A.

Law
Nadaraja, T., B.A. Camb.
Prof. and Hd. of Dept.
Ahlip, B., LL.B. Lond. Lectr.
Goonesekera, R. K. W., LL.B.
Asst. Lectr.

Mathematics
Eliezer, C. J., D.Sc. Lond., M.A., Ph.D. Camb.
Prof. and Hd. of Dept.
Caspersz, U. D. R., B.Sc. Lond.
Reader.
Nadarasar, S., M.A. Camb., B.Sc. Lond. Reader.
Kanagasabapathy, P., B.A. Camb., M.Sc. Lond. Lectr.
Amerasekera, D. V. A., B.Sc. Lond. Asst. Lectr.

Modern Languages (Western)

Reich, Miss Vally, Ph.D. Vienna Lectr.
Torchio, Miss M. Lectr.

Pali

Malalasekera, G. P., M.A., Ph.D., D.Lit. Lond.
Prof. and Hd. of Dept.
Jayawickrema, N. A., B.A., Ph.D. Lond. Lectr.
Dhirasekera, J. D., B.A. Lectr.
Karunaratne, W. S., B.A. Asst Lectr.

Philosophy

Mathiaparanam, Miss Kammala, M.A. Madr. Lectr.
Sarkar, A. K., M.A., Ph.D. Patna Lectr.

Assistant Lecturers

Jayatileke, K. N., M.A. Camb., B.A.
Fernando, H. M A. B., B A.
Mendis, B., B.A.

Physics

Mailvaganam, A. W., M.A., Ph.D. Camb., B.Sc. Lond.
Prof. and Hd. of Dept.
Appapillai, V., B.Sc., Ph.D. Lond. Reader.
Baliga, S. P., M A. Madr. Lectr.
Muttucumarana, T. de S., B.Sc., Ph.D. Lond. Lectr.

Assistant Lecturers

Kannangara, M. L. T., B.Sc.
Thambypillai, T., B.Sc.
Dahanayake, C., B.Sc.

Sanskrit

Wijesekera, O. H. de A., M.A., Ph.D. Lond.
Prof. and Hd. of Dept.

Assistant Lecturers

Tilakasiri, J., Ph.D. Lond., B.A.
Jayasuriya, M. H. F., B.A.
Gunesinghe, B. A. S., B.A.
Kylasanatha Kurukkal, K., M.A.

Sinhalese

Hettiaratchi, D. E., B.A. Lond., M.A., Ph.D. Calc.
Prof. and Hd. of Dept.

Lecturers

Sarathchandra, E. R. de S., M.A., Ph.D. Lond.
Ariyapala, M. B., B.A., Ph.D.
Wijeratne, D. J., B.A., Ph.D. Lond.

Assistant Lecturers

Cooke, Mrs. Vajira, B.A. Lond., M.A.
Fernando, P. E. E., M.A. Lond.
Ramandala, M.A. Lond.
Kulasuriya, A. S., D. de l'U. Paris, M.A.

Sociology

Assistant Lecturers

Peiris, P. R., Ph.D. Lond., B.A.
Tambiah, S. J., B.A.
Saparamadu, Miss Sumana, B.A.

Tamil

Kanapathipillai, K., B.A., Ph.D. Lond., Vidvan Annam
Prof. and Hd. of Dept.
Chelvanayagam, V., B.A. Lond., M.A. Annam Lectr.
Vithianathan, S., M.A., Ph.D. Lectr.
Mahadeva, Mrs. M., B.A. Lond. Asst. Lectr.
Sathasivam, A. Asst. Lectr.

Veterinary Science

McGaughey, C. A., M.A. Camb., M.Sc. Manc., D.V.S.M. Manc.
Prof. and Hd. of Dept.
Brito-Babapulle, L. A. P., B.Sc. (Vet. Sc.) Lond. Lectr.
Pate, C. W. Visiting Lectr.
Seneviratne, P., B.Sc. (Vet. Sc.) Lond. Visiting Lectr.

Zoology

Fernando, W., B.Sc., Ph.D. Lond.
Prof. and Hd. of Dept.
Kirtisinghe, P., M.Sc. Lond. Lectr.

Crusz, H., B.Sc., Ph.D. Lond. Lectr.
Weerakone, A. C. J., B.Sc. Lond. Asst. Lectr.

Engineering

Civil Engineering

Pereira, E. O. E., B.Sc Lond., B.A. Camb. Prof. and Hd. of Dept.

Lecturers

Sivaprakasapillai, T., B.Sc. (Eng.).
de Silva, H. B., B.Sc., M.Sc. (Eng.) Lond.
Wickramaratne, P. H. De S., B.Sc. (Eng.) Lond.
Selvanayagam, P., B.Sc. (Eng.), Ph.D.

Assistant Lecturer

Arumugam, K., B.Sc. (Eng.).

Electrical Engineering

Paul, R. H., M.A. Camb., B.Sc. Lond., F.R.S.A. Prof. and Hd of Dept.

Assistant Lecturers

Fernando, W. M. G., B.Sc. (Eng.).
Jayasekera, W. P., B.Sc. (Eng.).

Mathematics

Bartholomeusz, E. F., B.Sc. Lond. Asst. Lectr.

Mechanical Engineering

Somasundaram, G. D., B.Sc, B.Sc. (Eng.) Lond. Lectr. and Hd. of Dept.
Chinnappa, J. C. V., M.Sc. (Eng.) Lond., B.E. D.I.C. Lectr.
Mahalingam, S., B.Sc. (Eng.) Lond. Asst. Lectr.

Medicine

Anatomy

Chanmugam, P. K., M.Sc. Lond., L.M.S. Prof. and Hd. of Dept.

Lecturers

Waas, M. J., Ph.D. Manc., L.M.S.
Kanagasunderam, R., M.B., B.S. (on leave).
Jayewardene, F. L. W., M.B., B.S. (on leave).
Pallie, W., M.B., B.S. (on leave).

Demonstrators

Kannangara, C. S. W., M.B., B.S.
Amarasinha, D. M., M.B., B.S
De Zilva, P., M.B., B.S.
Dassanayake, A. G. S., M.B., B.S.

Bacteriology

Stork, K. G. B., Dip.Bact. Manc., D.T.M. & H. Lond., L.M.S. Visiting Lectr.

Visiting Demonstrators

Gulaskeram, J. B., D.B. Lond, L.M.S.
Jayasundera, L. B. T, M.B., B.S.

Dental Surgery

McKeag, R. H., M.A., M.B., B.Ch., B.A.O, B.Dent.Sc. Dub Prof. and Hd. of Dept.
Muttunayagam, M. A. B. B., D.T.M., D.T.H. Lond., F.D.S.R.C.S. (Prosthet. D. S.) Prof. and Hd. of Dept.
Rajasooriya, G. P. D., L.D.S., L.M.S. (Prosthetic D.S.) Lectr.
Ludekins, W. L. W., B.Sc, Ph.D. Lond. (D. Metall.) Lectr.
Gunawardena, S., L.D.S. Manc., L.M.S. (D. Metall.) Visiting Lectr.
Balendra, W., L.D.S., L.M.S. (D. Surg. and Pathol.) Visiting Lectr.
Gunawardena, S., L.D.S. Manc., L.M.S. (D. Surg. and Pathol.) Visiting Lectr.
de Silve, S. S. P. de J., B.D.S., L.M.S., L.D.S., F.D.S. Visiting Lectr.
Dissanayahe, S. B., B.D.S. Asst. Lectr.
De Silva, Mrs. N.B., B.D.S. Asst. Lectr.

Tillekeratne, L., L.D.S.
Asst. Lectr.
Bamabaradeniya, K., L.D.S.
Demr.

Forensic Medicine

de Saram, G. S. W., M.B., B.S. Lond., L.M.S.
Prof. and Hd. of Dept.

Medicine

Fernando, P. B., O.B.E., M.D., B.S. Lond., D.T.M. & H. Lond., L.M.S., F.R.C.P.
Prof. and Hd. of Dept.
Blaze, J. R., O.B.E., M.D. Lond., L.M.S., F.R.C.P. (Sr. Ward Classes) Assoc. Prof.
Wijenaike, W.. M.B., B.S.
Res. Asst.
de Silva, P. C. C., M.D. Lond. (Pædiatrics) Prof.

Visiting Lecturers

Cooke, G., M.D. Lond., L.M.S. (Systematic Lectures and Ward Classes).
Senewiratne, V. E. P., M.D. Lond., D.T.M. & H. Lond. (Tutorials and Ward Classes).
Wijerama, E. M., M.D. Lond., L.M.S. (Therapeutics and Intermed. Ward Classes).
Fernando, C. F., O B.E., M.D. Lond., L.M.S. (Jr. Ward Classes).
Gunawardene, Hilary, M.D. Lond. (Ward Classes and Tutorials).
Handy, G. R., M.D., B.S. Lond., L.M.S. (Ward Classes and Tutorials).
Ratnavale, G. S., M.D. Lond., L.M.S. (Ward Classes).
Amarasingham, J. S., L.M.S., Dip.M. and S. (Infectious Dis.).
Amerasinghe, C. D., D.P.M., D.T.M. & H. Lond., L.M.S. (Psycholog. Med.).
Fernando, A. C., L.M.S. (Leprosy).
Chelvarajah, T. (Ward Classes)
Clinical Instr.
Fernando, S., M.D. Lond., L.M.S. (Ward Classes).

Obstetrics and Gynæcology

Ranasinghe, D. A., L.M.S., F.R.C.S.
Prof. and Hd. of Dept.
Yoganathan, B., M.B., B.S.
Res. Asst.
Kathirgamanathan, C Tutor.
Rajaratnam, P. D., M.D. Liv., L.M.S., F.R.C.S. (Tutorials)
Visiting Lectr.
Caldere, R., L.M.S., F.R.C.S.Ed.
Visiting Lectr.
Sinnatamby, A , F.R.C.S., Eng. and Ed. Visiting Lectr.
Panchalingam, S., M.B., B.S., F.R.C.S. Visiting Lectr.
Visvanathan, T., M.B., B.S.
Lectr.
Jayawardene, P. U., L.M.S. Lectr.
Jayasundera, Miss B. D., M.B., B.S. Tutor.

Parasitology

Sivalingam, V., D.T.M. & H. Lond., L.M.S. Visiting Lectr.
Muttucumarana, C. de S., M.B., B.S. Visiting Demr.
Sivalingam, S., M.B., B.S.
Visiting Demr.

Pathology

Cooray, G. H., M.D., B.S. Lond., D.T.M & H. Lond.
Prof. and Hd. of Dept.

Lecturers

Attygalle, Mrs. D., M.B., B.S. (on leave).
Gunasekera, N. D., M.B., Ch.M. Edin. (on leave).
Tennakoon, G. E., L.M.S. (on leave).
Chapman, T. E. D., M.B., B.S.
Yoganathan, Mrs. M., M.B., B.S.
Panabokke, R. G., M.B., B.S.
Dassnaike, A. S., M.B., B.S., B.Sc.
Seneviratne, R. D., M.D. Lond., L.M.S. Visiting Lectr.

Demonstrator
Ramalingam, Miss N., M.B., B.S.

Physiology and Pharmacology
Koch, A. C. E., L.M.S. Prof. and Hd. of Dept.
Baptist, N. G., B.Sc., Ph.D. Lond. (Biochem.) Lectr.
Pinto, C. F. X. (Pharmacy) Visiting Lectr.
Bibile, S. W., M.B., B.S. (on leave) Lectr.
Watson, R. S. S., M.B., B.S., Ph.D. Lond. (on leave) Lectr.
Basnayake, V., M.B., B.S. Lectr.
Kottegode, S. R., M.B., B.S. (on leave) Lectr.
Wikramanayake, T. W., M.B., B.S. (on leave) Lectr.
Perera, Miss G. K., M.B., B.S. Demr
Lecamwassam, D. K. L., M.B., B.S. Demr.
De Zoysa, V. P., M.D. Lond., L.M.S. (Therapeutic Pharmacology) Visiting Lectr.
Jansz, H. D. W., L.M.S. Lectr.
Jansz, A. W., M.B., B.S. Lectr.
Karunairatnam, M. C., B.Sc., Ph.D. Lond. (Biochem.) Lectr.
Wijesundera, S., B.Sc. Lond. and Ceyl. (on leave) Asst. Lectr.

Public Health
Abhayaratne, O. E. R., Dr.P.H. Harv., D.P.H. Edin., L.M.S. Prof. and Hd. of Dept.
De Fonseka, T. E. J., M.B., B.S., D.P.H. Lond. Lectr.

Surgery
Paul, M., M.S. Lond., F.R.C.S. Prof. and Hd. of Dept.
Peiris, M. V. P., M.B., B.S., L.M.S., F.R.C.S. Assoc. Prof.
Fernando, B. N. D., M.B., B.S. Res. Asst.

Visiting Lecturers
Jayasuriya, J. H. F., L.M.S., F.R.C.S. (Ward Classes).
Rajasingham, A. S., L.M.S., F.R.C.S. (Ward Classes and Tutorials).
Sinnetamby, G. S., L.M.S., F.R.C.S. (Ward Classes).
Anthonis, P. R., L.M.S., F.R.C.S. (Ward Classes).
Austin, L. D. C., L.M.S., F.R.C.S. (Ward Classes).
Bartholomeusz, L. N., L.M.S., F.R.C.S. (Ward Classes).
Silva, F., L.M.S., F.R.C.S. (Ward Classes).
Muller, G. M., M.B., B.S. Lond., L.M.S., F.R.C.S. (Ward Classes).
de Silva, L. M., D.T.M. & H. (Anæsthetics).
Lucas, A., D.T.M. & H., L.M.S. (Anæsthetics).
Balendra, W., L.D.S., L.M.S. (Dental S.).
Gunewardena, H. C. P., L.M.S., F.R.C.S. (Venereal Dis., and Otol., Laryngol., Rhinol.).
Dadabhoy, J., D.O.M.S. Lond., L.M.S. (Ophthalmol.).
Gunawardine, D. F. de S., L.M.S., F.R.C.S. Eng. and Ed. (Ward Classes) Clin. Instr.

ADMINISTRATIVE AND OTHER STAFF

Dir. of Physical Educn.: G. Brant Little, B.Sc. Notre Dame. Univ. Med.; Officer: H. P. S., Wjetunga, M.B., B.S. Asst. Librarians: K. D. Somadasa; B.A.; Mrs. A. T. A. de Souza, B.A. Lond.; E. L. Samarasinghe, B.Sc.; A. I. L. Gunatileke.

GENERAL INFORMATION

The University was founded in 1942 by the incorporation of the Ceylon University College, established in 1921, and the Ceylon Medical College, estab-

lished in 1870. It occupies temporarily the premises of the two Colleges in Colombo, but new buildings are being erected in Peradeniya, four miles from Kandy, on the banks of the Mahaweli-ganga below the Royal Botanic Gardens. The Facs. of Arts and of Oriental Studies moved to Peradeniya in Oct. 1952 and the General Administration in June 1953. When the whole University is moved there it will become entirely residential. The site covers 2200 acres; much of it is too steep for buildings and has been acquired for protective purposes. More land will be required for the Faculty of Medicine and new Faculties. The main buildings are being erected to a plan formulated by Sir Patrick Abercrombie and Mr. Clifford Holliday.

The LANGUAGE OF INSTRUCTION in all Facs. is English, but courses in Sinhalese and in Tamil are given in those languages.

LIBRARIES. The main Library (which has now moved to Peradeniya) contains 80,000 vols., but there are sectional libraries attached to the laboratories. The Univ. makes a grant to the Ceylon Medical Library, which is used as the Library of the Fac. of Medicine. LABORATORIES. Science Labs. in Thurstan Rd. (moving to Peradeniya in 1956); Medical Labs. in Kynsey Rd.; Dental Labs. in Ward Place. HOSPITALS. The Colombo General Hospital, the De Soysa Maternity Hospital and the Dental Institute are teaching hospitals. Medical students also use the Medical Research Institute and the Kalutara Public Health Centre.

FACULTIES AND DEANS. *Arts*, Prof. J. L. C. Rodrigo; *Engin.*, Prof. E. O. E. Pereira; *Med.*, Prof. O. E. R. Abhayaratne; *Oriental Studies*, Prof. G. P. Malalasekera; *Sci.*, Prof. C. J. Eliezer; *Agric. Vet. Sci.*, Prof. C. A. McGaughey.

ADMISSION. No one is eligible for admission to a degree course unless he has passed the Entrance Examn. of the Univ. or an equivalent examn. The Prelim. Examn., which is held with the Ceylon Higher School Certif. Examn. in Dec. each yr., is treated as an Entrance Examn. Candidates for the Prelim. Examn. must have passed the Ceylon Sch. Certif. Examn. Minimum age of admission to Univ., 17 yrs.

DEGREE COURSES. B.A. and B.Sc., 3 or 4 yrs. according to type and subject: General Course, 3 yrs.; Special Course, 4 yrs. LL.B., 3 yrs. B.Sc. Agric., 3 yrs. M.B., B.S., 6 yrs. from Preliminary Examn. or 5 yrs. from First Examn. (which may be taken from school). B.D.S., 5 yrs. from Univ. Entrance Examn. or 4 yrs. from First Examn.

HIGHER DEGREES. M.A. or M.Sc., 2 yrs. Ph.D., 2 yrs. Degrees of D.Litt., LL.D., D.Sc., M.D., M.S., M.O.G., for graduates of the University only.

DIPLOMAS. Sinhalese, Tamil, 2 yrs. each, the medium of instruction being Sinhalese and Tamil respectively. Medicine and Surgery, 1 yr. D.T.M. & H., 6 mos.

FEES (Rs. 13=£1). There are no tuition, examination or degree fees for citizens of Ceylon who are not repeating courses or examns. For others, the tuition fees are: Arts, Rs. 150; Science, Rs. 225; Medicine, Rs. 525. Every student pays a registration fee of Rs. 30 p.a.

POSTGRADUATE AWARDS. Hilda Obeyesekere Res. Fellowships (one or more), annual value not less than Rs. 4800; E. W. Goonetilake Res. Fellowship in Theravada Buddhism, Rs. 3000 for 3 yrs.

RESIDENCE. *Colombo*: for men—University Christian Hostel (*Telephone*: Colombo 8054), Warden, Prof. C. J. Eliezer; Rs. 197 per term. Aquinas Hall (Catholic) (*Telephone*: Colombo 8731), Warden, Rev. Father Dominic I. Lewis,

Rs. 197 per term. Medical Hostel (*Telephone*: Colombo 91789), Warden, Dr. K. G. Jayasekera.

Peradeniya: for men—Arunachalam Hall (*Telephone*: Univ. Exchange Kandy, Ext. 234), Warden, Prof. D. E. Hettiarachi; Jayatilaka Hall (*Telephone*: Univ. Exchange Kandy, Ext. 233), Warden, Prof. G. P. Malalasekera; Marrs Hall (*Telephone*: Univ. Exchange Kandy, Ext. 252), Warden, Prof. O. H. de A. Wijesekera; Ramanathan Hall (*Telephone*: Univ. Exchange Kandy, Ext. 261), Warden, Dr. G. C. Mendis; for women—Hilda Obeyesekera Hall (*Telephone*: Univ. Exchange Kandy, Ext. 225), Warden, Miss K. Mathiaparanam; James Peiris Hall (*Telephone*: Univ. Exchange Kandy, Ext. 230), Warden, Mrs. Mrs. V. Cooke; Sanghamitta Hall (*Telephone*: Univ. Exchange Kandy, Ext. 242), Warden, Miss M. E. Westrop.

Fees for all Peradeniya halls of residence, Rs. 220 per term.

PUBLICATION. *Calendar* (annual), Rs. 5.

THE YEAR 1952–53

BENEFACTIONS. Hon. Sir Nicholas Attygalle, Rs. 15,000 for a prize to a graduate proceeding abroad for higher studies in Obstetrics; Maharaja Trust, Rs. 2700 for a Scholp. to be awarded to a Tamil resident in Jaffna and educated at one of the schs. specified by the Trustee; Estate of E. W. Goonetilleke, Rs. 100,200 for res. fellowships in Hinayana Buddhism; S. E. W. Jayasuriya, Rs. 4000 for a Mabel Jayasuriya Prize in Ceylon Hist.; Estate of Sir Mohamed Macan Markar, Rs. 50,000 for a mosque in Peradeniya.

NEW BUILDINGS. Hall of Residence completed at Peradeniya and another nearing completion; work begun on Library bldg. and contd. on bldg. of Fac. of Med. in Kynsey Rd.

RESIGNATION. Dr. J. Chanmugam.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	1784	..
Women	608	..
Total	2392	..

DEGREES AWARDED (1953). B.Sc. Agr., 3; B.A., 148; M.A., nil; LL.B, 7; M.B., B.S., 111; B.D.S., nil; M.D., nil; B.Sc., 34; B.Sc. (Eng.), 6; B.V. Sc., 6.

PAKISTAN

UNIVERSITY OF DACCA (p. 1465)
UNIVERSITY OF KARACHI (p. 1475)
UNIVERSITY OF THE PANJAB (p. 1478)
UNIVERSITY OF PESHAWAR (p. 1487)
UNIVERSITY OF RAJSHAHI (p. 1491)
UNIVERSITY OF SIND (p. 1493)

[*Revised September* 1954.]

UNIVERSITIES OF PAKISTAN

[Originally contributed in 1952 by Professor M. Timur, then Vice-Chancellor of the University of Peshawar; revised in 1954 by Mr. M. Bashir, Secretary of the Inter-University Board of Pakistan.]

PAKISTAN came into existence on August 15, 1947. It contains five provinces: East Bengal, Panjab, Sind, North-West Frontier Province and Baluchistan.

At the time of the partition there were three Universities in this territory. The University of the Panjab, the oldest among these, was established in 1882 with powers to hold examinations and grant degrees to students of affiliated colleges. It then provided instruction only in Law and Oriental Languages. Since 1919 it has also organized teaching departments for postgraduate instruction in Physical and Social Sciences, Commerce, Foreign Languages, Islamic Studies, etc. The Medical, Engineering, Animal Husbandry, Agricultural, Dentistry and Teachers Training Colleges are administered by different departments of the Provincial Government, but are under the control of the University in academic matters.

The University of Dacca was established in 1921 as a teaching and residential University. After the formation of the State of Pakistan in 1947, it was empowered to affiliate all educational institutions in East Bengal which prepare students for examinations higher than the Matriculation and High Madrassa standard. It has teaching departments in Physical and Social Sciences, Medicine, Engineering, Agriculture, Law, Education, Oriental Languages and Islamic Culture.

The University of Sind was established in 1947 as a teaching, affiliating and examining University. Postgraduate teaching for Masters' as well as Doctorate Degrees is conducted directly by the University in the departments of Education, Religion, Islamic Culture, Muslim History, Philosophy, Psychology, Economics, General History, Political Science, Arabic, Sindhi, Urdu, English, Persian, Mathematics and Botany. Fifteen colleges are affiliated to the University.

The University of Karachi was founded in 1950, and the existing colleges in the Karachi Federal area which were formerly affiliated to the University of Sind are now affiliated to the University of Karachi. The University has decided to take over from the Colleges all teaching for Honours and for M.A. and M.Sc. degrees, together with all research work. Considerable progress has now been made in implementing this policy.

The University of Peshawar was also founded in 1950, and the colleges in the North-West Frontier Province are affiliated to it. Islamia College, the oldest and largest educational institution in the Province, has become a constituent college of the University. Instruction up to B.A. and B.Sc. Degree standard is given by the Colleges, and the Engineering department of the University prepares students for the B.Sc. degree. The University has teaching departments for postgraduate study in English, Economics, Mathematics, Arabic, Education and Law, and plans to open departments also in Physical and Social Sciences, European Languages and Islamic Theology.

Rajshahi University was founded in 1953 to co-ordinate education in the Northern part of East Pakistan. It has twenty colleges under its jurisdiction, of which twelve are degree colleges. There is a Commerce College and a College for Women The degree colleges provide courses up to B.A. and B.Sc. Honours standard in Arts, Science and Commerce subjects. The nucleus of the University is the seventy-year-old Rajshahi Government College, which offers teaching up to B.A. and B.Sc. Honours standard.

The University itself has started postgraduate teaching in English, Economics and Political Science, History and Islamic History, Philosophy including Psychology, Geography, Mathematics, Law and Education.

MEDIUM OF INSTRUCTION. The Pakistani Universities conduct their teaching and examinations on the same lines as British Universities. The medium of instruction at the degree stage is English except in the Urdu College at Karachi. The courses of study are similar to those in British Universities Since 1947 there has been a movement to attach increasing importance to the study of the Urdu language and Islamic Theology. Departments for the study of these subjects have been established in almost all Universities. Urdu has been introduced in the Intermediate Colleges as an alternative medium of instruction to English.

ADMINISTRATION AND CONTROL. The Universities of Pakistan are statutory bodies based on the acts of Provincial and Central legislatures, in the case of Karachi on the act of the Central legislature. The legislative authority is vested in the Senate and the executive authority in the Syndicate or the Executive Council. Academic matters are under the control of the Boards of Studies, the Faculties and the Academic Council which co-ordinates the work of the Boards and Faculties. The income of the Universities is derived from the fees of students and from grants from the Provincial and the Central Governments.

ADMISSION AND DEGREE COURSES. The minimum requirement for entering a University is the Matriculation examination of a Pakistani University, which is generally taken at the age of 16, or an examination which is recognized as its equivalent by the various Universities. Two more years are required for taking the Intermediate examinations. The B.A. or B.Sc. (Ordinary) degree is granted after a further study of two years and the B.A. or B.Sc. (Honours) degree after three years. The Master's degree is granted after one or two years' study after the B.A. or B.Sc. degree. In the ordinary course a student may take his M.A. or M.Sc. degree at the end of the sixth year after passing the Matriculation examination.

The first medical degree (M.B., B.S.) is taken after a study of 5 years after passing the pre-medical Intermediate examination in Physics, Chemistry, Botany and Zoology (as well as English). The B.Sc. degree in Engineering is taken after a study of three years after passing the Intermediate examination in Physics, Chemistry and Mathematics. The LL.B. degree is taken after a study of two years after the B.A. degree. The Ph.D., D.Phil. and M.D. degrees are conferred after a course

of advanced study and research extending over two or three years. Candidates entering upon a course of study for the Ph.D. or D.Phil. must have taken the Master's degree of a Pakistani University or of some other approved University. Candidates for the M.D. degree must have taken the M.B., B.S. degree or a degree which is recognized as equivalent to it. Candidates on completion of research must present a thesis and submit to oral examination on that thesis.

In addition to these degree courses, diploma courses in various subjects are offered by the Universities of Dacca, the Panjab and Rajshahi. The University of the Panjab confers the oriental titles, Maulvi Fazil (Honours in Arabic), Munshi Fazil (Honours in Persian), Adib Fazil (Honours in Urdu), on those who pass the Honours examinations in these languages. The University of Peshawar gives the diploma of Honours in Pashto only.

TERMS. In the Universities of the Panjab and Peshawar the academic year is divided into three terms, which run from about Oct. 1 to the third week of Dec.; first week of Jan. to end of March; middle of April to end of June. At the Universities of Dacca, Karachi and Rajshahi, the three terms run from about July 1 to Sept. 20; Oct. 20 to Dec. 20; Jan. 2 to April 20. In the University of Sind the academic year is divided into two terms, which run approximately from the beginning of July to the end of Oct.; middle of Nov. to the middle of March.

RESIDENCE. Residence is provided for a large number of students in the hostels maintained by the Universities or affiliated Colleges.

EXPENSES. It is not possible to make any general estimate of the cost of a University course, which varies with the Universities and the type of study. The cost of living is higher in the big cities like Lahore and Karachi than in Dacca and Peshawar. The Engineering and Medical courses cost more than the ordinary Arts and Science courses. The monthly expense of a student may therefore vary from Rs. 80 in Dacca and Peshawar to Rs. 150 in Lahore and Karachi.

(*Note.* Rupee = 2s. 2d. approximately.)

THE INTER-UNIVERSITY BOARD. For the purpose of discussing problems which affect the Universities in general and also for exchange of views on Inter-University relations, a body representing the six Universities of Pakistan and the Central Government has been established, which meets once a year. The Standing Committee of Vice-Chancellors acts as the executive body and meets twice a year. The Chairman and Secretary of the Board for the calendar year 1955 are W. A. Jenkins, C.I.E., D.Sc. Sheff., Vice-Chancellor of the University of Dacca, and M. Bashir, B.Sc. Edin., Registrar of the University of the Panjab, respectively.

The EDUCATION DIVISION OF THE OFFICE OF THE HIGH COMMISSIONER FOR PAKISTAN, 39 Lowndes Square, London, S.W.1 (*Telegrams*: Pahic, London; *Telephone*: Sloane 3402), obtains admission to educational institutions in the United Kingdom for Pakistani students and gives advice and help on all educational and welfare matters. Students

in Pakistan intending to proceed abroad for further studies should consult the Information Bureau of the University in their area in the first instance. Parents or guardians who wish to send minors for schooling may arrange with the Education Division for the children to be placed under guardianship of the Educational Attaché, who will make provision for their welfare and the administering of their funds.

Educational Attaché : A. M. Chowdhury, M.A. Dacca ; Assistant Educational Attaché ; A. G. Butt, M.A. Panj. ; Sr. Education Officer : S. B. Zaman, B.A. Madr. ; Education Officers : L. Aird, B.A. Durh. ; Maj. D. P. D'Vaz ; P. Rieger, B.Sc. (Econ.) Lond. (Registrar) ; Z. Hossain (Welfare Officer).

Note

The arrangement of Oriental names in the directory sections has been adopted for convenience of reference and for indexing purposes.

[*Information compiled as at* 16/7/54.]

UNIVERSITY OF DACCA*

Founded 1921

Postal Address: Ramna, Dacca, East Bengal, East Pakistan.
Telephone: Dacca 2514.

VISITOR—H.E. THE GOVERNOR-GENERAL OF PAKISTAN.

CHANCELLOR—H.E. THE GOVERNOR OF EAST BENGAL.

VICE-CHANCELLOR—W A. JENKINS, C.I.E., D.Sc. Sheff.

TREASURER—ENAYETUR RAHMAN, B.L.

DEANS—*Agriculture*—M. O. GHANI, M.Sc., Ph.D. Lond., M.Sc.; *Arts*—W. H. A. SHADANI, M.A., Ph.D. Lond.; *Engineering*—T. H. MATHEWMAN, M Eng. Liv., *Law*—G. DAHM, LL.D. Heidel.; *Medicine*—A. K. M. ABDUL WAHED, B.Sc., M.B. Calc., F.R.F.P.S. Glas.; *Science*—S. M. MITRA, D.Sc.

REGISTRAR—A. HADY TALUKDAR, M.A. Lond. and Dacca.

PROVOSTS—Salimullah Muslim Hall—M. O. GHANI, M.Sc., Ph.D. Lond.; Fazlul Huq Muslim Hall—M. N. HUDA, M.A., Ph.D. Corn.; Dacca and Jagannath Halls—.....

WARDEN OF IQBAL HALL—M. AHMED, M.Sc., Ph.D.

INSPECTOR OF COLLEGES—ABU HENA, M.A.

CONTROLLER OF EXAMINATIONS—A. RUB CHOUDHURY, M.A.

PROCTOR—M. HUQ, M.A., Ph.D. Lond.

LIBRARIAN—.....

TEACHING STAFF

Arabic and Islamic Studies

Haque, S., Ph.D. Lond., M.A. Prof.
..... Reader.

Lecturers

Aziz, A., M.A.
Subhan, A., M.A. Alig., B.Litt. Oxon.
Rahim, S. A., M.A., B.L., B.T.
Ishaque, M., M.A., Ph.D.
Rahman, K. M. A., M.A., B.T.
Hasan, S., M.A., D.Phil. Oxon.
Sadeque, Mrs. S. F., M.A., Ph.D. Lond. Temp. Lectr.
Hossain, V. Moulana.

Bengali and Sanskrit

Shahidullah, M., D.Lit. Paris, M.A., B.L. Calc. Prof.

Lecturers

Hai, M. A., M.A. Lond., M.A.
Muhammad, K. D., M.A.
Choudhuri, R. N., M.A.
Sharif, A., M.A. Temp. Lectr.
Ali Ahsan, S. A. H., M.A.
Islam, M., M.A.
1 Res. Asst.

Biology

Majumdar, G. P., M.Sc., Ph.D. Leeds Prof.

* Member of the Association of Universities of the British Commonwealth.

Ahmed, M., M.Sc., Ph.D. Camb. Reader.
Yousufzai, H. K., M.Sc , D.Phil. Alld., Ph.D. Belf. Reader.
Kadri, W. B., M.Sc. Lond. Reader.

Lecturers

Wahed Khan, A., M.Sc. Calc Temp. Lectr.
Islam, A. S., M.Sc. Calc. (on leave).
Khan, S. A., M.Sc. Luck. Temp. Lectr.
Badiuzzaman, M.Sc. Calc., Ph.D. Birm. (on leave).
Huq, A., M.Sc. Ban. (on leave).
Mahmud, K. A., M.Sc. Nag. Temp. Lectr.
Ahmad, K. A., M.Sc. Calc. (on leave).
Islam, A. K. M. N., M.Sc.
Shafiq, S. A., M.Sc. Alig. (on leave).
Akbar, S. S., M.Sc. Alld. Temp. Lectr.
Siddiqui, A. A., M.Sc. Alig. (on leave).
Haque, A. K. A., M.Sc. Patna Temp. Lectr.
Ali, S. B., M.Sc. Calc. (on leave).
Ismail, M., M.Sc. Temp. Lectr.
Khan, M. S., M.Sc. Alig.
Ahmed, M., M.Sc. Panj. Temp. Lectr.
Hussain, K. Z., M.Sc. Panj. Temp. Lectr.
Saha, B., M.Sc. Temp. Lectr.
1 Res. Asst., 1 Lab. Asst.

Chemistry

Zernike, J., D.Sc. Amst. (on leave). Prof.

Readers

Khundkar, M. H., Ph.D. Lond., M.Sc.
Ahmad, K., Ph.D. Wis., M.Sc.
Ahmad, M., Ph.D. Penn., M.Sc.

Lecturers

Sarma, J. C., M.Sc. Calc.
De, S. C., D.Sc.
Bhuyan, A. M., M.Sc.
Bhuiyan, A. S. M. N. H., M.Sc.
Huq, A. K. M. S., M.Sc. (on leave).
Dutta, R. L., M.Sc. Temp. Lectr.
Latif, K. A., M.Sc., Ph.D. Ohio, M.Sc.
Rahman, H., M.Sc.
Biswas, M. A., M.Sc. Temp. Lectr.
Nowab, A., M.Sc.
Hyder, S. Z., M.Sc.
Rahman, A., M.Sc. Temp. Lectr.

Commerce

Hussain, A. F. A., M Sc (Econ.) Lond Prof.
Saifullah, M., M A. Calc., B.Com Lond. Reader

Lecturers

Hasnat, A., M A (on leave).
Siddiqui, M. R., M.A. (on leave).
Quddus, R., M.Com. Temp. Lectr.
Khan, M., M.A.
Sahadutullah, A. H., M.Com. Temp. Lectr.
Maziruddin, K., M.Com. Temp. Lectr.
Jawiad, H. K., M.A Temp Lectr.
Rahman, K. F. Temp Lectr.

Part-time Lecturers

Roy, A. C.
Pal, S. R., M.A., B.L.

Economics

..... Prof.
Huda, M. N., Ph.D. Corn., M.A. Reader.

Lecturers

Huq, M., Ph.D. Lond., M.A.
Haque, T., M.Sc. (Econ.) Lond., M.A.
Mahmood, A. N. M., M.A.
Muhiuddin, M., M.A. Temp. Lectr.
Dhar, H., M.A.
Kibria, S. A. M. S., M.A.
Uzair, M., M.A. Temp. Lectr.

English

Turner, J. S., M.A. Oxon. Prof.
Hossain, S. S., Ph.D. Lond., M.A. Reader.

Lecturers

Thakurta, J. G., M.A.
Ali Ashraf, A. N. M., B.A. Camb., M.A.
Gomes, R. A., M.A.
Khan, S. M., M.A.
Roy, B. C., M.A.
Ali, A., M.A. Pt.-time Lectr.
Huq, M. M., M.A.

Geography

Ahmad, N., M.A. Reader.

Lecturers

Rizvi, A. I. H., M.A (on leave).
Patel, A. M., M.A. Lond.

Geology

..... Reader, Hd. of Dept.

Lecturers

Latif, M. A., M.Sc. Calc., Ph D. Lond. (on leave).
Hussain, S. M., M.Sc. Patna Temp. Lectr.
Quadri, S. M. J., B.Sc. Osm. and Qu., M.Sc. Tor. Temp. Lectr.

History

Halim, A., M.A., Ph.D. Prof.
..... Reader.
Dani, A. H., M.A. Reader.

Lecturers

Sayeed, A. F. M., M.A.
Bhattacharyya, S. C., M.A.
Kabir, M., M.A., Ph.D. Lond.
Rahman, W., M.A.
Karim, M. A., M.A. Temp. Lectr.
Akanda, S. A., M.A. Temp. Lectr.

International Relations

..... Prof.
Alsop, Marjorie, B.Com., M.Sc. (Econ.) Lond. Reader.

Lecturers

Aziz, M. A., M.A. (on leave).
Khan, N. H., M.A. Temp. Lectr.
Choudhury, G. W., M.A. Calc.
Dahm, Mrs R. Teacher.

Islamic History and Culture

Habibullah, A. B. M., M.A., Ph.D. Lond., Dip.Lib. Lond., F.L.A. Prof.

Lecturers

Majid Khan, A., M.A. Calc. (on leave).
Rahim, R., M.A.
Husaini, S. A. Q., M.A.
Imamuddin, S. M., M.A., D.Phil. Calc. (on study leave).
Islam, S., M.A. Calc. (on deputation).
Abdul Alim, A. K. M., M.A. Calc. Temp. Lectr.
Reza Karim, M., M.A. Temp. Lectr.
Tarafdar, M. M. R., M.A. Temp. Lectr.

Law

Dahm, G., LL.D. Heidel. Sr. Prof.
Siddiqui, N. U. A., M.A., B.C.L. Oxon., LL.D. Dub. Prof.
..... Reader.

Lecturers

Momen, M. N., B.L.
Ansari, S., M.A., LL.B.

Part-time Lecturers

Baquer, A. K. M., M.A. Alig., LL.B. Lond.
Siddiky, B. A., B.L. Calc.
De, B. K., M.A., B.L.
Hussain, A., M.A., B.L.
Khan, A., M.A., LL.B.
Hakim, M., M.A.
Mustafa, A. T. M., M.A.

Mathematics

Pinl, M., Dr.Phil. Vienna, Dr. rer. nat. Prague Prof.
Huq, S. M. A., M.Sc. Calc., Ph.D. Lond. Reader.

Lecturers

Rahman, M., M.A.

Khalifa, A. R., M.Sc
Sardar, R. A., M.Sc. (on leave)
Huq, M. S., M.A., M.Sc.
Hakim, A., Ph.D. Temp. Lectr.
Hussain, S. Q , M.Sc
Temp. Lectr.

Persian and Urdu

Shadani, W. H. A., M A., Ph.D. Lond Prof.
..... Reader.

Lecturers

Huda, M. Z., M.A.
Chaudhury, A. M. F. A., M A.
Siddiqui, A. A., M.A., Ph.D. Alig.
Subzwari, S. S., M.A., Ph.D.
Fauq, M. H. Q., M.A.
Temp. Lectr.

Philosophy

Jilani, G., M.A., Ph.D. Lond.
Prof.

Lecturers

Deb, G. C., M.A., Ph.D.
Zaidi, S. M. H., M.A., LL.B. (on leave).
Wasim, M., M.A., LL.B.
Temp. Lectr.
Ahmad, K., M.A.
Wahhab, S. A. Pt.-time Lectr.

Physics

Mitra, S. M., D.Sc. Prof.

Readers

Ali, I., M.E.E. N.Y., M.Sc.
Chaudhury, A. M., M.Sc., Ph.D., F.R.Met.S.
Rahman, S. M. F., M.E.E. Purdue, M.Sc.

Lecturers

Mukherjee, S. K., M.Sc. Calc.
Biswas, S. C., M.Sc.
Huq, M. S., M.Sc. Temp. Lectr.
Erteza, A., M.Sc. (on leave).
Emran, M. Temp. Lectr.
Siddiq, A. K. M., M.Sc.
Hussain, M. A. M. M., M.Sc.
Temp. Lectr.
Huq, M., M.Sc. Temp. Lectr.
Alam, A. W. S , M.Sc
Temp Lectr.
2 Temp. Demrs.

Physiology

Lecturers

Mitra, S. K., B.Sc., M.B. Calc., D.T.M. & H., D.P.H. Lond.
Pt.-time Lectr.
Jabbar, A., M.Sc. (on leave).
Chakravorty, N. C., M.B. Calc.

Political Science

Newman, K. J., LL.D., D.Phil. Oxon. Prof.

Lecturers

Razzaq, A., M.A.
Rahman, M., M.A.
Karim, N., A.M Col., M A.
Choudhury, M. A , M A.
Miah, N. M., M.A.
Sayeed, K. B., M.A. Madr., B.Sc. (Econ.) Lond. (on leave).
Ahmed, M., M.A
Ali, S. M. M., M.A.
Noorazzaman, A H. M., M.A

Soil Science

Ghani, M. O., Ph.D. Lond , M.Sc.
Prof.
Karim, A. Q. M. B., M Sc. Alig., Ph.D. Lond. Reader.

Lecturers

Zoha, S. M. S., M.Sc. Alig., M.Sc. (Tech.) Manc. (on leave).
Karim, A., M.Sc., Ph.D. Adel.
Temp. Lectr.
Huq, A. K. F., M.Sc. (on leave).
Hasan, K. A., M.Sc.
Bose, N. M., M.Sc.
Islam, R. I., M.Sc. Temp. Lectr.
Rahman, A. K. M. M., M.Sc.
Temp. Lectr.
1 Demr.

Statistics

Hussain, Q. M., M.A. Calc., Ph.D.
Reader.

Lecturers

Maniruzzaman, A. N. M., M.Sc.

Atiqullah, M., M.A.
Obaidullah, M., M.Sc.
Qamruddin, M., M.A.
Rahim, M. A., M.Sc.

ADMINISTRATIVE AND OTHER STAFF

Medical Officer: S. K. Mitra, B.Sc., M.B. Calc., D.P.H. Lond.; Asst. Medical Officer: Capt. S. Ahmad, M.B. Calc.; Asst. Registrar: K. C. Chowdhury, B.A.; Addl. Asst. Registrar: S. M. Akbaruddin, B.A.; Asst. Controller of Examns.: F. Haq, B.A.; Sec. to Vice-Chancellor: M. S. Khan, M.A., B.L., F.R.Hist.S.; Sec. Univ. Students' Information Bureau: M. H. Khundkar, M.Sc., Ph.D. Lond.; Physical Dir.: Capt. M. Rahman, B.A.; Physical Instrs.: M. Ahmad, B.A., K. C. Roy, M.B., Hussain Khan; Chief Accountant: K. C. Karmaker, B.A.; Steward: M. Debiruddin Meah; Press Manager; L. M. Cameron.

CONSTITUENT COLLEGES

DACCA, *Ahsanullah Engineering College*, Ramna. B.E. Principal—T. H. Mathewman, M.Eng. Liv. 61 other Teachers.

DACCA, *Dacca Medical College*, Ramna. M.B., B.S. Principal—A. K. M. Abdul Wahed, B.Sc., M.B. Calc., F.R.F.P.S. Glas. 53 other Teachers.

DACCA, *East Bengal Agricultural Institute*, Tejgaon. B.Ag. Principal—F. Ahmad, M.S. Corn., M.Sc. 17 other Teachers.

DACCA, *East Pakistan College of Animal Husbandry*, Tejgaon. B.Sc. (A.H.). Principal—S. M. Ali, B.Sc. Calc. 16 other Teachers.

DACCA, *Teachers' Training College*, Armanitola. B.T. Principal—M. Osman Ghani, M.A., B.T. 8 other Teachers.

MYMENSINGH, *Primary Teachers' Training College*. Dip. in Edn., Higher Dip. in Edn. Principal—S. N. Q. Zulfaqar Ali, B.A. Calc., B.T. 9 other Teachers.

MYMENSINGH, *Women's Training College*. B.T., M.T. Principal—Miss Azizun Nessa. 5 other Teachers.

AFFILIATED COLLEGES

[I.A., I.Sc., I.Com., I.I.S., B.A., B.Sc., B.Com., etc.=affiliated up to Intermediate Arts, Science, Commerce, Islamic Studies, Bachelor's degree standard in Arts, Science, Commerce, etc.]

BARISAL, *B.M. College*. B.A., B.Sc., I.A., I.Sc., I.Com. Principal—E. E. McInerny, M.A. Oxon. 29 other Teachers.

BARISAL, *Fazlul Hoq College*, Chakhar. B.A., I.A., I.Sc., I.Com. Principal—..... 13 other Teachers.

BARISAL, *Latif Islamic Intermediate College*. I.I.S. Principal—Q. A. Awal, M.A. 5 other Teachers.

CHITTAGONG, *Chittagong College*. B.A., B.Sc., I.A., I.Sc. Actg. Principal—Prof. Hafez, M.A. Hai. 44 other Teachers.

CHITTAGONG, *Government College of Commerce*. B.Com., I.Com. Principal—A. Samad, M.A., B.T. 14 other Teachers.

CHITTAGONG, *Islamic Intermediate College*. I.I.S. Principal—Syed Muzaffar Uddin Nadvi, M.A. Calc. 4 other Teachers.

CHITTAGONG, *Satkania College*, Satkania. I.A., I.Com. Principal—A. A. M. Ibrahim, M.A. Calc. 7 other Teachers.

CHITTAGONG (KANUNGOPARA), *Sir Asutush College*. B.A., I.A., I.Sc., I.Com. Principal—M. L. Nag, M.A. Calc. 16 other Teachers.

CHITTAGONG (NAZIRHAT), *Nazirhat College*. I.A., I.Com. Principal—B. M. Mahmood, M.A., LL.B. Alig. 8 other Teachers.

COMILLA, *Victoria College*. B.A., B.Sc., I.A., I.Sc., I.Com. Principal—A. H. Khan, M.A. Agra. 36 other Teachers.

DACCA, *Dacca College*. B.A., I.A., I.Sc., I.Com. Principal—S. Z. Chaudhury, M.A., LL.B. Alig. 46 other Teachers.

DACCA, *Eden Girls' College*. B.A., I.A., I.Sc. Principal—Mrs. F. Zoha, M.A. 21 other Teachers.

DACCA, *Imperial Salimullah Intermediate College*. I.A., I.Com. Principal—K. P. Banerjee, M.A. Calc. 13 other Teachers.

DACCA, *Islamic Intermediate College*. I.I.S. Principal—..... 8 other Teachers.

DACCA, *Jagannath College*. B.A., I.A., I.Sc., I.Com. Principal—M. E. Huq, M.A., Ph.D. Calc. 47 other Teachers.

DACCA, *Narsingdi College*, Narsingdi. I.A., I.Com. Principal—Kalipada Sen Gupta, M.A. Calc. 9 other Teachers.

DACCA, *Notre Dame College*. B.A., I.A. Principal—Rev. J. L. Martin. 6 other Teachers.

DACCA, *Qaid-i-Azam College*. I.A., I.Com. (Actg.) Principal—A. M. A. R. Fatmi. 12 other Teachers.

DACCA (MANIKGANJ), *Devendra College*. B.A., I.A., I.Com. Principal—M. Ahmed, M.A. 10 other Teachers.

DACCA (MUNSHIGANJ), *Haraganga College*. B.A., B.Com., I.A., I.Com., I.Sc. Principal—A. Razzaque, M.Ed. Lond., M.A., B.T. 15 other Teachers.

DACCA (NARAYANGANJ), *Seth Tolaram College*. I.A., I.Com. Principal—K. N. Chakraborty, M.A. Calc. 8 other Teachers.

DACCA (TEJGAON), *Holy Cross College*. I.A. Principal—Sister Augustine Marie, M.A. Loyola. 5 other Teachers.

FARIDPUR, *Quaid-E-Azam Memorial College*, Gopalganj. I.A., I.Com. Principal—A. Bhattacharyya, M.A., B.L. Calc. 8 other Teachers.

FARIDPUR, *Rajendra College*. B.A., I.A., I.Sc. Principal—A. M. Chakravorty, M.A. Calc. 16 other Teachers.

FARIDPUR, *Ramdia College*. I.A., I.Sc. Principal—A. B. M. A. Huq, M.A. Calc. 6 other Teachers.

FARIDPUR (MADARIPUR), *Nazimuddin College*. B.A., I.A., I.Com. Principal—M. A. Awal, M.A. 11 other Teachers.

MYMENSINGH, *Ananda Mohan College*. B.A., B.Sc., I.A., I.Sc. Principal—A. K. Lahiri, M.A. 23 other Teachers.

MYMENSINGH, *Bhuapur College*, Bhuapur. I.A., I.Com. Principal—K. Ahmed, M.A. Calc. 6 other Teachers.

MYMENSINGH, *Dhanbari College*, Dhanbari, Tangail. I.A., I.Com. Principal—M. Bhuiya, M.A. 5 other Teachers.

MYMENSINGH, *Nasirabad Islamic Intermediate College.* I.I.S., Principal—R. Ahmed, M.A., B.T. 6 other Teachers.

MYMENSINGH, *Netrokona College,* Netrokona. I.A., I.Com. Principal—A. K. Ahmadullah, M A. Calc., M.Com. 10 other Teachers.

MYMENSINGH (BHAIRAB), *Haji Asmat College.* I.A., I.Com. Principal—M. Idris, M.A. 8 other Teachers.

MYMENSINGH (GAFFORGAON), *Gafforgaon College.* I.A., I.Com. Principal—A. Q. M. Ansari, M.A. 5 other Teachers.

MYMENSINGH (JAMALPUR), *Asheq Mahmud College.* B.A., I.A., I.Com. Principal—A. H. M. A. Quddus, M.A. 12 other Teachers.

MYMENSINGH (KARATIA), *Saadat College,* Tangail. B.A., I.A., I.Sc. Principal—T. Ahmed, M.A. 18 other Teachers.

MYMENSINGH (KISHOREGANJ), *Gurudayal College.* B.A., I.A., I.Sc., I.Com. Principal—M. Wasimuddin, M.A. 23 other Teachers.

MYMENSINGH (TANGAIL), *Kumudini Girls' College.* B.A., I.A. Principal—Mrs. N. A. Hameed, M.A. Luck. 10 other Teachers.

NOAKHALI, *Chaumuhini College.* B.A., I.A., I.Com. Principal—T. Hossain, M.A. 13 other Teachers.

NOAKHALI, *Feni College,* Feni. B.A., I.A., I Com. Offg. Principal—P. Chakravorty, M.A. 16 other Teachers

SYLHET, *M.C. College.* B.A., B.Sc., I.A., I.Sc., I.Com. Principal—S. Choudhury, M.A., B.T. 49 other Teachers.

SYLHET, *M.M. College.* B.A., I.A., I.Com. Principal—P. C. Goswami, M.A. Calc. 11 other Teachers.

SYLHET, *Women's College.* B.A., I.A. Principal—G. C. Dutta, M.A. Calc. 9 other Teachers.

SYLHET (HABIGANJ), *Brindaban College.* B.A., I.A. Principal—M. Huq Choudhury, M.A. 14 other Teachers.

SYLHET (SUNAMGANJ), *Sunamganj College.* I.A., I.Sc. Principal—.... . 9 other Teachers.

TIPPERAH, *Brahmanbaria College.* I.A., I.Com. Principal—Ali Azhar, M.A. 8 other Teachers.

TIPPERAH, *Chandpur College.* I.A., I.Com. Principal—M. Azimuddin, M.A., B.T. Calc. 9 other Teachers.

TIPPERAH, *Srikail College, Srikail.* B.A., I.A., I.Sc., I.Com. Principal—K. K. Sen Gupta, M.A. Calc. 12 other Teachers.

TIPPERAH (PASCHIMGAON), *Nawab Faizunnessa Islamic Intermediate College.* I.I.S. Principal—M. A. Khair, M.A., B.T. 4 other Teachers.

GENERAL INFORMATION

The University was established in 1921 under the Govt. of India Act XVIII of 1920, which was based on the recommendations of the Calcutta Univ. Commission presided over by Sir Michael Sadler, and provides for the constitution of Facs. of Arts, Sci., Law, Agric., Med. and Engin. It was established as a unitary, teaching and residential Univ. with a constitution similar in many

respects to those of modern English Univs. Following the creation in 1947 of the province of East Bengal as part of Pakistan, the East Bengal Educational Ordinance, 1947, was promulgated, by which the Univ., without prejudice to its original character as a teaching and residential Univ., was entrusted with sole authority to recognize and affiliate all educnl. institutions in E. Bengal above Matricn. and High Madrassa standard. Accordingly, in 1947, the Univ. affiliated 55 first and second grade Colls. spread over the whole of E. Bengal, as well as several other institutions.

The Univ. area covers about a square mile of fine parkland, including over 100 acres of playing fields, and lies about 1 mile N.W. of the centre of Dacca City.

CONSTITUTION. The authorities of the Univ. include the Court, the Executive Council, the Academic Council and the Faculties.

RESIDENCE. Students reading in the Univ. itself must live either in one of the Halls of Residence or under specially approved conditions. Halls for Muslims: Salimullah Hall (accomm. for 400 students), Fazlul Huq Hall (370), Iqbal Hall (316); for non-Muslims: Dacca Hall (160), Jagannath Hall (partly in use by Govt.; students transferred to Dacca Hall). Women Students' Residence (25).

Some Univ. teachers live in houses within the Univ. area.

The usual LANGUAGE OF INSTRUCTION is English.

LIBRARIES, ETC. Univ. Library: over 108,400 vols. and about 20,000 Sanskrit, Bengali, Arabic, Urdu and Punthi MSS. Reading Room. Separate Sci. Library. Each Hall of Residence has a library.

LABORATORIES. Phys.; Chem.; Psychol.; Biol.; Soil Sci.; Statistics; Geol.

FACULTIES. Arts, Science, Law, Agric., Med., Engin.

ADMISSION. Minimum standard required for entry to degree courses is that of the Univ. Inter. examn. or equivalent.

DEGREES. B.A. or B.Sc. Pass, 2 yrs., with Hons., 3 yrs.; M.A., M.Sc., 2 yrs., or for Dacca Hons. B.A. or B.Sc., 1 yr.; B.Ag., M.Ag., 2 yrs.; B.T., 1 yr.; M.T., 3 yrs.; B.Com. (Pass), 2 yrs. (Hons.), 3 yrs.; LL.B., LL.M., 3 yrs.; B.E., 4 yrs.; M.B., B.S., 5 yrs.; B.Sc. (A.H.), 5 yrs.; Ph.D., D.Litt., D.Sc., LL.D. open to graduates of 3 yrs.' standing, but graduates of other Univs. must pursue res. in this Univ. for 2 yrs.

DIPLOMAS AND CERTIFICATES. Dipl. in Educn. and Higher Dipl. in Educn., 1 yr. each; Dipl. in Engin., 3 yrs.; Sub-overseership, 2 yrs.; Survey final, 2 yrs.; Vet. Dipl. Course, 3 yrs.; Jr. and Sr. Proficiency Certif. Courses in Elem. German, 1 yr.; Day Course Examn. of Govt. Coll. of Comm., 2 yrs.; I.A., I.Sc., I.Com. and I.I.S., 2 yrs. each; Book-keeping and Accountancy, 1 yr.

STUDENT HEALTH SERVICE. On admission to the Univ. for the first time each student is medically examined. All students receive free medical attention. Resident students also receive medical care in the Halls. There is one Medical Officer and one Asst. Medical Officer.

PHYSICAL EDUCATION. After examn. by the med. officer, each student must undergo regular courses of phys. educn. in the well-equipped gymnasium. Coaching is also given in various sports.

The STUDENTS' INFORMATION BUREAU assists students to secure admission to foreign Univs. and other insts. The Bureau Library contains up-to-date calendars, handbooks, pamphlets and prospectuses of foreign educational and technical insts. for reference by students.

FEES. Tuition, per session : B.A. (Pass) and B.Com., Rs. 120 ; B.A. Hons., B.Sc. (Pass) and LL.B., Rs. 120 ; M.A., B.Sc. Hons. and M.Com., Rs. 144 ; M.Sc., Rs. 180. Registration, Rs. 4 ; Admission, Rs. 8 ; Athletic, Rs. 5 ; Students' Union, Rs. 5 ; Registration Fee for Res. students, Rs. 10 ; Enrolment of Registered Graduates, Rs. 10 ; Enrolment of Registered Graduates for Life, Rs. 10. Hostels : Seat-rent varies from Rs. 2 to Rs. 4 p.m., including cost of light, water, medical attendance, medicine and servants. Cost of food about Rs. 30 p.m.

UNIV. OFFICERS' TRAINING CORPS. One battalion, commanded by Capt. M. Huq, M.A., Ph.D. Lond. Adjutant, Capt. S. A. Kader.

TUTORIAL CLASSES are organized in all Depts. and all Univ. teachers participate under the control of the Hds. of Depts. and Provosts.

PUBLICATIONS. *Prospectus* (Dec., free) ; *Annual Report* (Nov., free) ; *Bulletins*, various prices ; *Calendar*, Rs. 10 ; *Dacca University Studies* (twice p.a.), Rs. 7.

UNIVERSITY PRESS. In addition to the ordinary printing work of the Univ., the Press undertakes, under the direction of the Bulletin Committee, the publication of theses and other original work of the teaching staff and research students. *Postal Address* : The Press Manager, Dacca Univ. Press, Ramna, Dacca.

THE YEAR 1952–53

RESIGNATIONS. Dr. I. H. Zuberi, apptd. Vice-Chancellor of Rajshahi Univ. ; J. S. Turner (Engl.), apptd. Dir. of Civil Service Studies, Govt. of E. Bengal ; 27 other Teachers resigned.

DEATH. S. M. Z. H. Azad (Persian and Urdu).

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	21,927	..
Women	902	..
Total	22,829	..

The above figures indicate the total number of male and female students reading in the Univ. proper and in the affiliated and constituent colls. Reading in Univ. : 2266 M., 95 W. ; in constituent colls. : 1296 M., 6 W. ; in affiliated colls. : 18,365 M., 801 W.

Postgraduate students, 1317.

New admissions, 14,546.

HONORARY DEGREE. *LL.D.*—H.E. Dr. A. W. Azzam, Egyptian Ambassador in Pakistan and former Prof. of Cairo Univ.

DEGREES. B.Ag., 8 ; LL.B., 78 ; B.Sc. (Engineering), 48 ; M.B., B.S. 52 ; B.T., 77 ; B.A. (Pass), 620 ; B.Sc. (Pass), 196 ; B.Com., 111 ; B.A. (Hons.), 120 ; B.Sc. (Hons.), 46 ; M.A., 200 ; M.Sc., 58 ; M.Com., 20.

DIPLOMAS AND CERTIFICATES. Dipl. in Educn., 35 ; Higher Dipl. in Educn., 23 ; Dipl. in Engin., 9 ; Survey Final, 19 ; Sub-overseer, 39 ; Adib, 13 ; Adib-i-Kamil, 13 ; I.A., 1419 ; I.Sc., 841 ; I.Com., 479 ; I.I.S., 47 ; Day Course, 35.

[*Information compiled as at July* 1954.]

UNIVERSITY OF KARACHI *

Founded 1950

Postal Address: Princess Street, Karachi, West Pakistan.
Telephone: 3385.

CHANCELLOR—H.E. THE GOVERNOR-GENERAL OF PAKISTAN.

PRO-CHANCELLOR—The Hon. THE MINISTER FOR EDUCATION IN THE CENTRAL GOVERNMENT.

VICE-CHANCELLOR—Lt.-Col. ABU BAKR AHMAD HALEEM, B.A. Oxon.

HONORARY TREASURER—A. MUHAJIR, B.A. Madr.

REGISTRAR—M. ABDUR RAHIM, M.A., B.L. Calc.

DEPUTY REGISTRAR—.....

LIBRARIAN—.....

UNIVERSITY TEACHING STAFF

Botany

Warne, L. G. G., M.Sc., Ph.D. Brist. Prof.
Hasnain, S. Z., M.Sc. Alig., Ph.D. Minn. Reader.

Lecturers

Anwar, A. A., Ph.D. Minn.
Mohajir, A., Ph.D. Wis.

Chemistry

Antonoff, G., D.Sc. Manc. Prof.
..... Reader.

Lecturers

Ahmad, S., M.Sc. Alig.
.....

Commerce

Khan, A. M. Lectr.

Economics

Newman, P. C., Ph.D. Col. Prof.
Fareed, Q. M., M.A. Camb. Reader.

Lecturers

Mukhtar, I. A., M.A. Alig., A.M. Col.
Arif, A. B., M.A. Osm , B.A. Camb.
Chowdhry, M. K., B.Sc Lond.

Geography

Schmieder, O., Ph.D. Heidel. Prof.
Pithawalla, M. B., D.Sc. Bom. and Lond. Reader.

Lecturers

Ahsan, S. Z., M.Sc. Alig.
Siddiqi, S. I., M.A., Ph.D. Alig.

History

Husain, M., Ph.D. Heidel. Prof.
Islam, R., M.A., Ph.D. Alig. Reader.
Alimad Bashir, M.A. Panj., Ph.D. Lond. Lectr.

Islamic History

Siddiqui, A. H., Ph.D. Lond. Reader.
Saleem, M., Ph.D. Alig. Lectr.

Mathematics

..... Prof.

* Member of the Association of Universities of the British Commonwealth.

Kerawala, S. M., M.A. Camb. Reader.

Lecturers

Hanafi, A. R., M.Sc. Alig.

Zaidi, N. H., M.Sc. Alig.

Philosophy

Ahmad, M. M., M.A. Alig., D.Phil. Oxon. Reader.

Ansari, T. H., M.A. Alig Lectr

Janil, K. M., B A. Lond., D.Litt. Paris. Lectr.

Physics

..... Prof.

Karim, S. M., M.Sc. Alig., Ph.D. Tor. Reader.

Lecturers

Tirmizi, S. M. A., M.Sc. Alig.

.....

Psychology

Zuberi, H., M.A. Alig. Lectr.

Newman, Mrs. R., M.Sc N.Y., M.A. Lectr.

Zoology

Qadri, M. A. H., D.Sc. Alig., Ph.D. Camb. Prof.

Lecturers

Mohiuddin, A., Ph.D. Lond.

Tufail, M , M.Sc. Alig

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar (Academic and General) : S. M. Najmuddin, M.A. Patna. Asst. Registrar (Examns.) : S. B. Islam, B.A. Panj. Asst. Librarian : A. Moid, B.A., Dip.Lib. Chief Accountant : G. B. Zuberi, B.A. Alig. Dean of Fac. of Arts : Prof. M. Husain, Ph.D. ; Dean of Fac. of Med. : Lt.-Col. S. M. K. Mallick, M.D., F.R.C.P. ; Dean of Fac. of Sci. : Prof. M. A. H. Qadri, D.Sc. Alig., Ph.D. Camb. Inspector of Colleges ; M. Nagim, M.A., Ph.D. Camb.

TEACHING COLLEGES IN KARACHI RECOGNIZED BY THE UNIVERSITY

CENTRAL GOVERNMENT COLLEGE FOR WOMEN. B.A. and B.Sc. (Pass). Principal—Mrs. Zeenat Rashid, M.A. Luck., T.D. Camb. 10 other Teachers.

CENTRAL GOVERNMENT TEACHERS' TRAINING COLLEGE. B.T. Principal—Q. H. K. Bakhtiari, M.A., T.D. Lond., Dip. in Educn. Camb. 6 other Teachers.

D. J. SIND GOVERNMENT SCIENCE COLLEGE. B.Sc. (Pass). Principal—A. L. Shaikh, M.Sc. Bom. 34 other Teachers.

DOW MEDICAL COLLEGE. M.B., B.S. Principal—Lt.-Col. S. M. K. Mallick, M.D., F.R.C.P. 54 other Teachers.

GOVERNMENT S.T. COLLEGE. B.T. Principal—I. T. Suleman, B.A., B.T., Dip.Ed. Leeds. 6 other Teachers.

ISLAMIA COLLEGE. M.A. and I.Com. Principal—A. M. Mulavi, M.A. Bom., Dip.O.S. Lond. 30 other Teachers.

N.E.D. GOVERNMENT ENGINEERING COLLEGE. B.E. (Civil, Mech. and Electr.). Principal—M. K. Kewalramani, M.A. Bom. 25 other Teachers.

ST. JOSEPH'S COLLEGE FOR WOMEN. B.A. (Pass). Principal—Sister Mary Barnadette, B.A. Lond. 13 other Teachers.

ST. PATRICK'S COLLEGE. I.A. Principal—Rev. Father S. Raymond. B.A. Bom., L.Ph. S.T.L. Rome, M.A. Oxon., M.E.D. Wash. 9 other Teachers.

SIND GOVERNMENT COLLEGE OF COMMERCE AND ECONOMICS. B.Com. Principal—A. L. Shaikh, M.Sc. Bom. 11 other Teachers.

SIND MUSLIM COLLEGE. M.A. and I.Sc. Principal—Syed Ghulam Mustafa Shah, M.A., LL.B. Alig., M.Ed. Natal. 25 other Teachers.

SIND MUSLIM LAW COLLEGE. LL.B. Principal—Hassanaly A. Rahman. 12 other Teachers.

URDU COLLEGE. M.A. and B.Com. (Urdu is the medium of instruction.) Principal—Aftab Hasan, M.Sc. Alig., B.Sc. Lond. 46 other Teachers.

GENERAL INFORMATION

The University of Karachi was brought into existence by an Act of the Central Legislature, and its territorial jurisdiction covers the entire area of the federal capital. Postgraduate teaching and research directly under the control of the University has been started in several departments (*see* pp. 1475-1476, *above*).

FACULTIES. Islamic Learning; Arts; Science; Law; Medicine; Education; Engineering and Technology; Commerce.

TEACHING HOSPITALS. Civil Hosp., Karachi, and Jinnah Central Hosp., Karachi.

DEGREES AND DEGREE COURSES. *Arts*: B.A. Pass, B.A. Hons. (3 yrs. post-Inter.), M.A. Previous, M.A. Final. *Science*: B.Sc. Pass, B.Sc. Hons. (3 yrs. post-Inter.), M.Sc. Previous, M.Sc. Final. *Law*: 1st LL.B., 2nd LL.B. *Med.*: 1st, 2nd, 3rd and Final Professional M.B., B.S. *Educn.*: B.T. *Engin.*: 1st examn. in Engin., 2nd examn. in Engin., B.E. Parts I and II. *Comm.*: B.Com., M.Com.

UNIVERSITY MILITARY FORMATION. Univ. O.T.C.

ADMISSION. Minimum qualification for entrance to the Univ. other than Professional Courses is a pass at High School or such other Examns. held under the auspices of a Univ. or Public Bd. as are recognized by the Univ.

FEES. Fees for Univ. Examns. range from Rs. 30 to Rs. 100; Tuition fees, Rs. 12 to Rs. 20 p.m. (for 10 months p.a.).

ACADEMIC YEAR. 3 terms: July 1–Sept. 30; Nov. 1–Dec. 23; Jan 1–March 31.

MEDIUM OF INSTRUCTION. English in all subjects at all examns. Urdu in Arts up to M.A., in Sci. up to Inter. and in Comm. up to B.Com.

RECREATION. The Univ. Sports Bd. organizes the activities of the Univ. in this field. Inter-collegiate sports are arranged for hockey, cricket, badminton, football, volley-ball, tennis, table tennis, swimming and athletics.

PUBLICATIONS. Annual *Courses of Study* for all examns. Univ. Science teachers, in collaboration with other scientists of Pakistan, publish *The Scientist*.

THE YEAR 1952–53

STUDENTS. Full-time: University, 527; Colleges, 9024.

DEGREES (1951–52). B.A. (Pass), 150; B.A. (Hons.), 64; M.A., 77; B.Com., 26; LL.B., 100; B.T., 38; B.Sc. (Pass), 12; B.Sc. (Hons.), 39; M.Sc., 6; B.E. (Civil), 8; B.E. (Mech. and Electr.), 6; M.B., B.S. (Final), 16.

THE UNIVERSITY OF THE PANJAB*

LAHORE

Founded 1882

Postal Address: Lahore, West Pakistan.
Cables: University, Lahore.
Telephone (Registrar): Lahore 3747.

PATRON—H.E. THE GOVERNOR-GENERAL OF PAKISTAN.

CHANCELLOR—H.E. THE GOVERNOR OF THE PUNJAB.

VICE-CHANCELLOR AND DEAN OF UNIVERSITY INSTRUCTION—K. B. MIAN AFZAL HUSAIN, M.A. Camb., M.Sc.

REGISTRAR—M. BASHIR, B.Sc. Edin.

TEACHING STAFF

[(U.) = post maintained entirely by the Univ.; (G.C.) = Government College; (F.C.C.) = Forman Christian College; (I.C.) = Islamia College; (D.S.C.) = Dyal Singh College; (T.I.C.) = Talim ul Islam College; (L.W.C.) = Lahore College for Women; (Eng.C.) = Punjab College of Engineering and Technology; (M.A.O.) = M.A.O. College.]

Arabic

Koreshi, B. A., M.A. Alig., Ph.D. Berl.
Prof. and Hd. of Dept (U.).

Lecturers

Qayyum, A., M.A. (G.C.).
Inayat Ullah, M.A., Ph.D. (G.C.).
Al-Arabi, M. (U.).
Rasul, K. M., Fazal-e-Deoband (U.).
Sarim, A. S., Fazal-e-Deoband, Fazal-e-Azher (U.).
Nur-ul-Hassan, Fazal-e-Deoband, Maulvi Fazil (U.).

Astronomy

Zia-ud-Din, A., M.A., Ph.D. Wales, B.T., F.S.S.
Curator of Observatory and Hd. of Dept. (U.).
Anwar, M., M.Sc. Lectr. (U.).
Hydari, A. A., B.Sc.
Observer (U.).

Botany

Lodhi, S.A., M.Sc. Corn. and Panj.
Reader and Hd. of Dept. (U.).

Lecturers

Hamid, A., M.Sc. (U.).
Salim, M., M.Sc. (U.).
Ahmad, Z., M.Sc. (on study leave) (U.).
Qureshi, A. A., M.Sc., Ph.D. (G.C.).
Ahmad, S., M.Sc., Ph.D. (G.C.).
Muhammad Aslam, M., M.Sc. (G.C.).
Khan, A. R., M.Sc., Ph.D. (G.C.).

Chemical Technology

Ahmad, N., D.Sc. Tech. Munich.
Prof. and Dir. of Inst. (U.).
Khawaja, S. D., M.Sc. (Tech.) Alig.
Reader (U.).

* Member of the Association of Universities of the British Commonwealth.

Lecturers

Rashid, A. A., M.Sc. (Tech.), B.T. (U.).
Bandey, A. H., M.Sc. (Tech.) (U.).
Qureshi, A. K., M.Sc. (Tech.) (U.).
Tanweer, A. K., M.Sc. (Tech.) (U.).
Shami, M. D , M.Sc. (Tech.). (U.).
Azım, S., M.Sc. (U.).
Ahmad, M., M.Sc. (U.).

Chemistry

Ahmad, B., M.Sc., Ph.D. Lond., LL.D. Camb.
Prof. and Dir. of Inst.
Badruddın, M.Sc , Ph.D
Reader (U.).

Lecturers

Chughtai, M. I. D., M.Sc., Ph.D. Manc. (U.).
Faseeh, S. A., M.Sc., Ph.D. (U.).
Zafrullah, M., M.Sc. (U.).
Zahid, M. S , M.Sc. (on study leave) (U.).
Yusuf, M., M.Sc (on study leave). (U.).
Khan, M. A., M.Sc. (on study leave) (U.).
Dubash, E., M.Sc. (U.).
Rahman, R., M.Sc. (U.).
Husain, A., M.Sc. (U.).
Osmanullah, M.Sc. (U.).
Malik, A. A., M.Sc. (U.).

Economics

Akhtar, S. M., M.A., Ph.D. (Econ)
Prof. and Hd. of Dept.

Lecturers

Pal, I. D., M.Sc. Lond., M.A. (U.).
Aurakzai, A. A. K., M.A. (U.).
Anwar, S. M., M.A. (G.C.).
Khawaja, M. A., M.A. (I.C.).

Fine Arts

Ahmad, Mrs. A. Molka
Sr. Lectr. and Hd. of Dept.
Afzal, Mrs. Anwar, B.A., D.F.A. (on study leave)
Lectr. (U.).
Malik, Mrs. Zakia (on study leave) (U.).
Razia, Miss F. D., B.A., D.F.A. (U.).
Anwar, Miss N., B.A.
Demr. (U.).

French

Ali, R., D.Litt. Paris.
Sr. Lectr. (U.).

Geography

Ahmad, K S. D., M.A., Ph.D. Lond.
Prof. and Hd. of Dept. (U.).

Lecturers

Maryam, Miss K. E., M.A., Ph.D. Lond. (U.).
Kureshi, K. U., M.A. (U.).
Omar, A. T., M.A. (U.).
Khan, F. U., M.A. (G.C.).
Sheikh, A. A., M.A. Lond.
Haye, A., M.A. (I.C.).

Geology and Mineralogy

Broch, O. A.
Prof. and Hd. of Dept.
Asrar Ullah, M.Sc. Alig., B.Sc. Lond. (U.).

German

Koreshi, B. A., M.A. Alig., Ph.D. Berl. (U.).

History

Husain, D., B.A. Camb., M.A., LL.B. Hon. Hd. of Dept. (M.A.O.).

Lecturers

Hameed-ud-Din, M.A., Ph.D. (U.).
Khan, N., B.A. Lond., M.A. (G.C.).
Fayyaz-ud-Din, M.A. (G.C.).
Qadir, A. B. A., M.A. (T.I.C.).
Zaidi, Z. H., M.A., LL.B. Alig. (F.C.C.).
Din, S., M.A., LL.B. (I.C.).

International Affairs

Friters, G. M., D. ès Sc. Pol. Geneva
Prof. and Hd. of Dept.

Islamic Studies

Siddiqui, A. D , M.A., LL.B.
Reader and Hd. of Dept.

Lecturers

Chughtai, A., Ph.D. Paris (U.).
Farooqi, B. A , M.A., Ph.D. (U.).
Kazi, N. D. (U.)

Journalism

Khursheed, A. S., B.A , J.D.
Sr. Lectr. and Hd. of Dept.

Lecturers

Khan, M. A. (U.).
Lewis, R. S. (U.)

Mathematics

Sheikh, N. D., M.A.
Hon. Hd. of Dept (I.C.).

Lecturers

Qureshi, T. A , M.A. (G.C.).
Roomani, F. D. A., M A. (D.S.C.)
Yasin, M., M.A (G.C.).
Din, R., M.A. (G.C.).
Rahman, F., M.A. (G.C.).
Elahi, M. M., M.A. (T.I.C.).
Rajput, A. M., M.A. (F.C.C.).
Hamid Asghar, M.A. (F.C.C.).
Zia-ud-Din, M.A., Ph.D. Wales, B.T., F.S.S. (U.).
Ahmad, S. R., M.A (I.C.).
Husain, M., M.A. (M.A.O.).
Rashid, A., M.A. (I.C.).
Ahmad, M., M.A. (M.A.O.).
Nasir, A. R., M.A. (Eng.C.).
Mohammad, A. (F.C.C.).
Maqbool, J. M. A. (T.I.C.).

Mineralogy

Broch, O. A. Prof.

Persian

Baqir, M., Ph.D. Lond., M.A.
Prof. and Hd. of Dept.

Abedi, W. H., M.A. Reader (U.).

Lecturers

Abid, A. A. S., M.A., LL.B. (D.S.C.).
Tabussam, G. M., M.A., B.T. (G.C.).
Salik, I. D., M.A., M.O.L. (I.C.).
Ahsan, A. S., M.A., LL.B. (U.).
Fayuz-ur-Rahman, Fazal-e-Deoband (U.).
Mirak Shah, Fazal-e-Deoband (U.).

Pharmacy

Amin, M., M.Sc., Ph.D. Paris
Sr. Lectr. and Hd. of Dept. (U.).

Lecturers

Salahuddin, M.Sc. (U.).
Ikramul-Hassan, M.Sc. (U.).
Anwar, A. R., M.Sc. (U.).
Khawaja, N. A., B.S Ph. (U.)

Physical Education

Beg, Mrs. R. A. A., B.A., D.P.E. Calc. Dir.

Physical Training

Khan, T. A., B.A., D.P.E. Dir.
Dar, A. M , B.A. (on study leave) Asst. Dir.
Butt, M I , B.A., D.P.E. Offg. Asst. Dir.

Physics

Majid, M. A , M.Sc Alig., B Sc , Ph.D. Lond., D.I.C.
Reader and Hd. of Dept.
Pal, A. B., Ph.D. Prin., M.Sc. Reader (U.).

Lecturers

Chowdhry, A. G., D.Sc. Alig. (U.).
Hasan, A. D., M.Sc. (on study leave) (U.).
Quarni, O. M., M.Sc. (U.).
Beg, A. H., M.Sc. (I.C.).
Martin, J. M., Ph.D. (F.C.C.).

Political Science

Friters, G. M., D. ès Sc. Pol. Geneva
Prof. and Hd. of Dept. (U.).

Lecturers
Ali, S., M.A (U.).
Hamid, A., M.A. (G.C.).
Ali, S., M.A. (U.).
Judy, R. D., M.A. (F.C.C.).
Khawaja, M A., M.A (G.C.)
Zakriya Nasim, M.A. (I.C.).

Spanish and Russian
Lucena, J. S. Sr. Lectr.

Statistics
Zia-ud-Din, A., M.A., Ph.D. Wales, B T., F S.S.
Prof. and Hd. of Dept.
Lecturers
Siddiqui, M. D , M.A (on study leave) (U.).
Iqbal, M., M.A (on study leave) (U.).
Ali, A., M.A. (U.).
Hussain, M , M A (U.)
Haq, I., M.A (U.)

Urdu
Abdullah, S. M., M.A., M.O.L., D.Litt.
Prof. and Hd. of Dept
Lecturers
Siddiqi, A. L., M.A., Ph.D. (U.).
Brelvi, E., M.A., Ph.D. (U.).
Azim, V., M.A. (U.).
Nazar, A. Q , M.A. (G.C.).
Salik, I. D., M.A., M.O.L. (I.C.).

Zoology
Sharif, M., Ph.D. Camb., D.Sc.
Prof. and Hd. of Dept. (U.).
Lecturers
Ahmad, M., M.Sc. Alig., Ph.D. Chic. (U.).
Bakr, A., M.Sc. (U.).
Sarwar, S., M.Sc. (G.C.).
Ahmad, S., M Sc. (G.C.)
Islam, A., Ph.D Lond., M.Sc. (G.C.).
Salim, M , M.Sc (G.C.).

Editorial Board for Encyclopædia of Islam in Urdu

Shafi, M., M.A. Camb., D.O.L.
Chairman (U.).
Gilani, A A , M A.
Secretary (U.).

ADMINISTRATIVE AND OTHER STAFF

Dep. Registrar (Examns.) : B. A. Shaikh, M.Sc. Dep. Registrar (Admin.) : M. Afzal, M.A. Officer Special Duty : (Conduct of Examns.) A. Mohyuddin, B.A. Asst. Registrar (Accounts) : S. S. Haider, M.A. Asst. Registrar (Examns.) : S. A. Khan, M.A. Asst. Registrar (General) : A. Rahim, M.A. (on leave). Offg. Asst. Registrar (General) : G. S. Khan. Sec. to Vice-Chancellor : Fazal Ahmad. Univ. Engineer : Qaiser-ud-Din Khan.

UNIVERSITY COLLEGES

LAHORE, *Hailey College of Commerce.* (*Telephone* : 2968.) Principal—M. Hassan, M.A. Other staff, 11. Facilities up to M.Com.

LAHORE, *Law College.* (*Telephone* : 4453.) Principal—A. Q. Malik, B.A. Alig. Other staff, 16. Courses up to LL.M.

LAHORE, *Oriental College.* (*Telephone* : 2573.) Principal and Prof. in *Arabic*—B. A. Kuraishi, M.A. Alig., Ph.D. Berl. Other staff, 17. M.A. courses in Arabic, M.O.L. in all subjects ; Proficiency and High Proficiency Classes in Arabic, Persian and Urdu, res. facilities for Ph.D.

TEACHING COLLEGES IN LAHORE AFFILIATED TO THE UNIVERSITY, MAINTAINED BY THE GOVERNMENT OF THE PUNJAB

Animal Husbandry

LAHORE, *Punjab College of Animal Husbandry.* (*Telephone*: 3414.) B.Sc. Animal Husbandry. Principal—S. M. Sarwar. Other staff, 32.

Dentistry

LAHORE, *de Montmorency College of Dentistry* (*Govt.*). (*Telephone*: 4695.) B.D.S. Principal—H. R. Shah, B.Q. Other staff, 20.

Engineering

LAHORE, *Punjab College of Engineering and Technology.* (*Telephone*: 4473.) B.Sc. Eng. (Civil, Mech. and Elect.). Principal—Abdul Aziz, B.E. Roorkee. Other staff, 29.

Medicine and Surgery

LAHORE, *Fatimah Jinnah Medical College for Women.* (*Telephone*: 3767.) M.B., B.S. Principal—Shujaat Ali, M.D. Other staff, 19.

LAHORE, *K.E. Medical College.* (*Telephone*: 3377.) M.Sc.—Physiol., M.B., B.S., M.D., M.S., D.L.O. Principal—Lt.-Col. Ellahi Bakhsh, M.D., B.S. Lond. Other staff, 65.

MULTAN, *Nishter Medical College.* Principal—M. J. Bhutta, M.B., B.S., D.P.H.

Teaching

LAHORE, *Central Training College.* (*Telephone*: 3691.) B.T. Principal—M. A. Makhdoomi. Other staff, 16.

LAHORE, *Islamia College for Women.* (*Telephone*: 3574.) B.T. Actg. Principal—Mrs. Kaka Khel, M.A., M.O.L. Other staff, 32.

LAHORE, *Lady Maclagan Training College for Women.* (*Telephone*: 4447.) B.T. Principal—Saeeda Begum, M.A., B.T. Other staff, 11.

TECHNICAL COLLEGE OUTSIDE LAHORE AFFILIATED TO THE UNIVERSITY

LYALLPUR, *Agricultural College* (*Govt.*). B.Sc. in Agric.; Agric., Bot., Chem., Zool. and Entomol. for M.Sc. in Agric. Principal—Zafar Alam. Other staff, 35.

AFFILIATED COLLEGES RECOGNIZED IN DEGREE OR DIPLOMA COURSES

B.A., M.A., etc. = affiliated up to B.A., M.A., etc., standard.

Arts and Science

BAHAWALPUR, *Sadiq Egerton College.* M.A., B.A. Principal—M. Abdul Haq, M.A. Other staff, 21.

CAMPBELLPUR, *Government College.* B.A., B.Sc. Principal—A. Hamid, M.A. Other staff, 20.

CHAKWAL, *Government College.* B.A., B.Sc. Principal—Mansur-ul-Aziz Minhas, M.A. Other staff, 17.

D. G. KHAN, *Government College.* B.A. Principal—S. A. Harbon, M.A., B.T.

GUJRANWALA, *Islamia College.* B.A. Principal—M. A. Husain. Other staff, 13.

GUJRAT, *Government College for Women.* B.A. Principal—Miss K. Banerji, M.A., B.T. Other staff, 8.

GUJRAT, *Zamindar College.* B.A., B.Sc. Principal—Ghulam Sarwar, M.A. Leeds and Panj. Other staff, 31.

JHANG, *Government College.* B.A., B.Sc. Principal—Sultan Bakhsh, M.A.

LAHORE, *Dyal Singh College.* M.A., B.A., B.Sc. Principal— ..... Other staff, 31.

LAHORE, *Forman Christian College.* M.A., M.Sc., B.Sc. Principal—R. M. Ewing, M.A. Prin. Other staff, 39.

LAHORE, *Government College.* M.A., M.Sc., B.A., B.Sc. Principal—Kazi M. Aslam, M.A. Other staff, 80.

LAHORE, *Islamia College.* M.A., B.A., B.Sc. Offg. Principal—M. M. Sharif, M.A., Ph.D. Camb. Other staff, 56.

LAHORE, *Islamia College for Women.* M.A., B.A. Offg. Principal—Mrs. Kaka Khel, M.A., M.O.L. Other staff, 28.

LAHORE, *Kinnaird College for Women.* B.A. Principal—Miss P. Mangat Rai, A.M. Harv. Other staff, 18.

LAHORE, *Lahore College for Women.* M.A., B.A., B.Sc. Principal—Mrs. Henry Lall, M.A. Other staff, 27.

LAHORE, *M.A.O. College.* M.A., M.Sc., B.A. Principal—Dilawar Hussain, M.A. Camb., M.A., LL.B. Other staff, 24.

LAHORE, *Talim-ul-Islam College.* M.A., M.Sc., B.A. Principal—M. N. Ahmad, M.A. Oxon. Other staff, 20.

LYALLPUR, *Government College.* M.A., B.A., B.Sc. Principal—Namdar Khan, M.A. Other staff, 42.

LYALLPUR, *Government College for Women.* B.A., B.Sc. Principal—Mrs. S. A. Khan, M.L., M.O.L., LL.B. Other staff, 15.

LYALLPUR, *Islamia College.* B.A. Principal—Hashmat Khan, M.A.

MIANWALI, *Government College.* B.A., B.Sc. Principal—M. A. Qari, M.Sc., B.T. Other staff, 16.

MONTGOMERY, *Government College.* B.A. Principal—F. M. Khan, M.Sc. Other staff, 26.

MONTGOMERY, *Government College for Women.* B.A. Principal—Miss Majida Mehtab, M.Sc., Ph.D. Other staff, 8.

MULTAN, *Emerson College.* B.A., B.Sc. Principal—Syed Saadet Ali Shah, M.A. Other staff, 34.

MULTAN, *Government College for Women.* B.A. Principal—Miss Iqbal Malik, M.A., B.T. Other staff, 13.

QUETTA, *Government College.* B.A. Principal—K. M. Sarwr.

RAWALPINDI, *Gordon College.* M.A., B.A., B.Sc. Principal—R. R. Stewart, M.A., Ph.D. Col. Other staff, 38.

RAWALPINDI, *Government College.* B.A., B.Sc. Principal—Ghulam Ahmad, M.Sc. Other staff, 24.

RAWALPINDI, *Government College for Women.* B.A. Principal—Mrs. Kaniz Siddiqi, M.A., Ph.D. Chic. Other staff, 14.

SARGODHA, *de Montmorency College.* B.A. Principal—Abid Ahmad Ali, D.Phil. Oxon., M.A. Other staff, 24.

SIALKOT, *Government College for Women.* B.A. Principal—Miss Amir Munimuddin, M.A. Other staff, 11.

SIALKOT, *Jinnah Islamia College.* B.A. Principal—Alhaj Mohammad Yusuf Hashmi, M.A. Other staff, 15.

SIALKOT, *Murray College.* M.A., B.A. Principal—D. L. Scot, M.A. Edin., B.D. Other staff, 26.

GENERAL INFORMATION

Established in 1882, the University is the oldest in Pakistan and was the fourth to be established in the Indo-Pakistan sub-continent. Until 1919 the Univ. confined its activities mainly to examns., the control of affiliated institutions and the provision of instruction in its Oriental and Law Colls. It has since 1919 undertaken the maintenance of Univ. teaching Depts. for post-graduate instruction and res. and co-ordination of advanced teaching. Hons Schs. exist in Bot., Zool., Chem., Chem. Technol., Phys. and postgraduate teaching is provided in Econ., Arabic, Sansk., Stats., Persian, Maths., Hist., Polit. Sci., Geog., Bot., Zool., Phys., Chem., Chem. Technol., Urdu, Islamiyyat and Astron. Besides the Univ. Profs. and Readers and Lectrs., Sr. Teachers of the local Colls. are associated with Univ. teaching. There are Hons. Papers in English, Maths., Econ., Philos., Hist., Sansk., Arabic, Persian, Geog., Zool., Psychol., Stats., Astron., Urdu and Islamiyyat. The Univ. also maintains Colleges of Commerce, Law and Oriental Studies, and holds classes in Stats., Journalism, German, French, Spanish and Russian.

CONSTITUTION. The Univ. is governed by an autonomous body, the Senate, and its executive, the Syndicate. The Senate consists of the Chancellor, Vice-Chancellor, *ex-officio* Fellows and ordinary Fellows. The Syndicate is elected in Nov. each yr. by the various Facs. The Vice-Chancellor acts as Chairman and the Dir. of Public Instruction, Punjab, attends the Syndicate as an *ex-officio* member.

LANGUAGE OF INSTRUCTION. English is the usual language of instruction and examn., but Urdu is being introduced as medium of instruction and examn. in Arts subjects at the Matricn. and Inter. stages.

LIBRARY, 155,000 vols., including MSS.; Hon. Librarian, S. M. Abdullah, M.A., M.O.L., D.Litt.; also Departmental and Seminar Libraries.

MUSEUMS AND LABORATORIES. The Univ. maintains a well-equipped Inst. of Chem. and Lab. of Chem. Technol., apart from the Kayshap Res. Inst. in Bot. and Phys. There are Bot. and Zool. Labs. also in Govt. Coll., which the Univ. shares. The depts. of Bot. and Zool. have museums.

FACULTIES AND DEANS. *Agriculture,* K. A. Rehman, Dir. of Agric., Punjab; *Arts,* Prof. M. M. Sharif; *Commerce,* M. Hassan; *Dentistry,* H. R. Shah; *Education,* The Dir. Publ. Instr., Punjab; *Engineering,* M. Azam Khan; *Law,* Justice S. A. Rahman; *Medicine,* Col. F. M. Khan, Dir. of Health Services, Punjab; *Oriental,* Maulvi M. Shafi; *Science,* Dr. Niaz Ahmad; *Vet. Science,* S. M. Sarwar.

ADMISSION. Students must have passed the Univ. Matricn. Examn. The Univ. *Calendar*, vol. I, lists the examns. of other Univs., etc., recognized as equivalent to the corresponding examns. of the Univ. The London, Cambridge, Oxford and Northern Universities General Cert. of Educn. and the School Certif. examns. of these bodies, and of Hong Kong, are generally recognized as equivalent to the Panjab Univ. Matricn. Examn., provided the subjects taken by the candidate satisfy the requirements of Panjab Matricn. Examns. of other approved Univs. are recognized by the Syndicate and Academic Council.

DEGREES. B.A., M.A., Ph.D., D.Litt., B.Com., M.Com., B.Sc., M.Sc., Ph.D., D.Sc.; B.Sc.Engg., M.Sc.Tech.; B.Sc. (Agri.), M.Sc. (Agri.); LL.B., LL.M., LL.D.; M.B., B.S., M.S., M.D., M.Sc. (Medical), M.Sc. (Anatomy), D.L.O., B.Pharm., B.D.S., M.D.S., B.V.Sc.; B.T.; (in Oriental Learning) B.O.L., M.O.L., Ph.D., D.O.L.

DIPLOMAS. Dom. Sci., Fine Arts, Journalism, Stats., Public Health, Laryngol. and Otol., Medical Radiol. and Electrol., Tuberculous Diseases, Librarianship, Commercial Arts, Conveyancing, Internat. Affairs, Langs. (Russian, German, French, Spanish), Sociology. CERTIFICATES, Librarianship, Comm., Stats. In Fac. of Oriental Learning a 2-yr. course from Matricn. leads to an Interm. examn., and further courses of 2 yrs., 1 yr. and 2 years to the B.O.L., M.O.L. and D.O.L. successively. Examns. are also held for Proficiency, High Proficiency and Hons. in Arabic, Sanskrit, Persian, Urdu, Hindi, Panjabi and Pashto: Hons. admit to the Oriental titles: Maulvi Fazil (Arabic), Shastri (Sanskrit), Munshi Fazil (Persian).

The UNIVERSITY FOREIGN INFORMATION BUREAU advises and helps students who go abroad for advanced studies. Sec., Kazi Saeed ud-Din Ahmad, M.A., Ph.D. Lond.

RESIDENCE. Undergraduates in Lahore Colls., unless living with their guardians, are ordinarily required to reside in Coll. hostels or in hostels recognized by the Univ.

GRANTS TO COLLEGES. Grants are given by the Univ. to Mofussil Colls. for prosecution of research, and to Colls. affiliated to M.A. standard, for library books required by M.A. students.

EXTENSION LECTURES. Extension lectures by eminent scholars are arranged by the Univ. at Lahore and Mofussil Colls.

ENDOWMENTS AND SCHOLARSHIPS. 70 Endowment Funds for award of prizes, medals and scholps. to students. In addition, there are numerous Univ. scholps.; 80 for Matricn. examn.; 40 for Inter. examn.; and 23 scholps. in various subjects tenable for 2 to 4 yrs.—Indo-Oriental Studies, Hist., Sanskrit, Pali or Prakrit, Arabic, Panjabi, Sci., Physics and Maths. A postgraduate State scholp. is open to graduates of the Univ. between 21 and 25 yrs. for study in a recognized Univ. in the United Kingdom. A number of depts. also have postgraduate res. scholps.

PUBLICATIONS. *History of Lahore* by Dr. M. Baqir (Oriental Publicn.); *Proceedings* of the Physics Teachers' Conference; *Calendar* (2 vols.), Rs. 6 (annual); *Gazette*, Rs. 4 (monthly).

THE YEAR 1952–53

In pursuance of the recommendations made by the Univ. Commission apptd. in 1950, the Govt. have decided to appoint an Interim Cttee. pending the enact-

ment of necessary legislation. This Cttee. has taken over the functions previously performed by the Univ. of the Panjab in relation to educn. at the Matricn. and Inter. stages and conduct of Matricn., Inter. and Pakistan and Classical Langs. Examns.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	12,751	2716
Women	1,802	598
Total	14,553	3314

DEGREES. B.Sc., 309; M.Sc., 79; M.Sc. Hons. School, 9; B.A., 974; B.A. Hons., 44; B.Sc. Hons., 19; B.Sc. Hons. School, 14; M.A., 275; Ph.D., 2; B.Com., 89; B.D.S., 13; B.T., 198; LL.B., 235; M.B., B.S., 167; B.V. Sc., 8; B.Sc. Agri., 45; M.Sc. Agri., 19; Final (Civil) Engg., 39; Final (Mech.) Engg., 42; Final (Elect.) Engg., 23.

POSTGRADUATE DIPLOMAS. Special Test in Law, 9; Pub. Health, 11; T.D.D., 5; D.M.R.E., 2; Dom. Sci., 5; Journalism, 29; Stats., 2; French, 3; Internat. Affairs, 2; Fine Art, 4.

[*Information compiled as at* 21/8/54.]

UNIVERSITY OF PESHAWAR*

Established 1950

Postal Address : Peshawar, N.W.F.P., West Pakistan.
Telephones : Vice-Chancellor, Peshawar 178. Registrar, Peshawar 173. Deputy Registrar, Peshawar 177.

CHANCELLOR—The Hon. SARDAR ABDUL RASHID KHAN, Chief Minister, N.W.F.P.

VICE-CHANCELLOR—M. R. SIDDIQI, M.A. Camb., Ph.D. Leipzig, Hon. D Sc. Osm., F.N I.

REGISTRAR—SHEIKH MINHAJUDDIN, M.Sc. Panj.

TEACHING STAFF

Agriculture

Ahmad, M. M , B.Sc. Edin. Reader.

Arabic

El-Housseini, A. M. A., M.A. Fuad, D.Litt. Alexandria Prof. and Hd. of Dept.

Biology, v. Botany and Zoology

Botany

Qazilbash, N. A., M Sc Panj. Reader

Chemistry

Siddiqi, M S. H., M.Sc , Ph.D. Chic. Reader.

Economics

Wise, T. F., M A. Camb Prof.

Lecturers

Idris, S. M., M A., LL.B. Alig.
Bokhari, N. A., M A. Panj.
Rahman, F., M.A., LL.B. Panj., A.M. Col.
Hussain, A., M.A.
Sethi, M. A., M.A (Bd. of Econ. Enquiry).

Education

Alawi, A. H., M.A., B.T. Hd. of Dept.

Lecturers

Sulemani, M. I. K., B.Sc., B.T., M.Ed.
Asharaf, M., B.Sc , B.T.
Samiullah, Mrs., B.A. Lond., Dip.Ed. Lond.
Bashir, Miss S. A., B.A., B.T.

Engineering

Peters, W., D.Phil. Prof. of Electr. Engin.

Lecturers

Ahmad, M. S., B.Sc. (Eng.) Panj., M.Sc. (Eng.). Tor.
Khan, A. A. W., M.Sc. Alig.
Jan, A., B.Sc. (Eng.) Panj.
Hamid, A., L.M.E. Bom. Supt., Workshop.

English

Brooks, B. G., M.A., Ph.D. Lond. Prof.

Lecturers

Close, H. M., M.A. Camb.
Inayatullah, Q., M.A. Alig.
Bashiruddin, M., M.A. Panj.
Jalaluddin, M. A., B.T. Panj.
Sarwar, C. M., M.A., B.T. Panj.
Shamsi, M. A., M.A. Panj.
Usmani, M. A. H., M.A.
Siddiqi, M. S., M.A. Osm.
Hassan, S. B., M.A.

* Member of the Association of Universities of the British Commonwealth.

French and German
De-Varent, M. Lectr.

Geography
Durrani, M A., M.A. Lond. Reader

History and Political Science
Lecturers
Khan, A A., B A. Oxon.
Khan, M R., M.A., B T. Panj
Khan, M., M.A., Ph.D.
Haq, M., M A , LL B Alig

Law
Waliullah, M , B.A , LL B. Panj Prof. and Hd of Dept
Lecturers
Razzaq, A., M A , LL.B. Osm.
Yusuf, A , M A , LL.B.
Ghaznavi, I , B A., LL B. Belf , LL.M. Lond.

Mathematics
Lecturers
Qureshi, A H., M.A., LL B. Alig.
Ziauddin, M A. Panj.
Razvi, A. H., M A. Osm
Nazir, M., M.A. Panj
Mohayuddin, G., M.A., B.T Panj
Hayat, C. M., M.A. Panj.

Persian
Lecturers
Shah, S. G. A., M.A., B.T. Panj , LL.B.
Birlas, N. H. M., M.A., B.T.

Philosophy
Qayum, A., M.A Panj. Lectr.

Physics
Jaffery, A M., M.Sc , LL.B. Alig. Reader.
Lecturers
Jan, M , M.Sc. Panj., B.A. Oxon.
Majid, A., M Sc. Panj
Naqvi, J. H , M.Sc Panj
Rana, A. R , M Sc Panj

Theology
Haq, Q. N , Al-Shahadat-ul-Allya Al-Azhar, Nadwarul Uluma Luck Dean and Hd. of Dept.

Urdu
Farooqi, M. T , M.A. Agra and Osm., Fazil Theol Lectr.

Zoology
Lecturers
Ahmad, S. M., M Sc Panj
Ahmad, A , M Sc Panj
Fazil, M , M.Sc Panj.

ADMINISTRATIVE AND OTHER STAFF

Dep. Registrar: A. Hassan, M.A. Panj. and Cairo. Asst. Registrar, Examns.: M. Inayatullah Khan, B.A. Panj. Registrar, Accts.: M.S. Burq. Librarian: Abdus Subbuh, B.A. Panj. Personal Asst. to Vice-Chancellor: S. M. Shaukat, M.A., B.Sc. Panj. Dir., Phys. Trg.: M. A. Khan. Asst. Dirs., Phys. Trg.: F. A. Razzaq and A. Jan, B.A., Dip. in Phys. Edn.

AFFILIATED COLLEGES

ABBOTTABAD, *Govt. College.* B.A. Principal—Ehsanullah Khan, M.A., Ph.D. Bonn. 13 other Teachers.

ABBOTTABAD, *Govt. College for Women.* Inter. Principal—Miss Gohar Sultana, M.A.

BANNU, *Govt. College.* Inter. Principal—M. Nafisuddin, M.A., LL.B. Panj.

D. I. KHAN, *Govt. College.* B.A. Principal—Jan Khan, M.A., Ph.D. 11 other Teachers.

KOHAT, *Govt. College.* Inter. Principal—M. Ismail Sethi, M.A. Panj.

MARDAN, *Govt. College.* B.A. Principal—Faiz Mohammed Khan, M.Sc.

PESHAWAR, *Edwardes College.* B.A. Principal—W. F. Cannon Hawkes, M.A. Camb. 14 other Teachers.

PESHAWAR, *Frontier College for Women.* B.A. Principal—Mrs. Anne C. T. Brotherton, M.A. 15 other Teachers.

PESHAWAR, *Govt. Islamia College.* B.A. Offg. Principal—Mian Mushtaq Ahmad, B.Sc. Edin. 56 other Teachers.

PESHAWAR, *St. Francis Xavier's College for Women.* B.A. Principal—Rev. Mother Agnes, M.A. 8 other Teachers.

GENERAL INFORMATION

The foundation-stone of the Univ. was laid in Oct. 1950, by the late Hon. Mr. Liaquat Ali Khan, Prime Minister of Pakistan. The colls. in N.W.F.P. are affiliated to it up to B.A. and B.Sc. standards. Postgrad. teaching is carried out under direct control of Univ., except that Islamic Coll., which is directly under the Univ., offers postgrad. as well as undergrad., teaching. Postgrad. classes already exist in Arts, Educn., Law and Sci. Facs. The plan for the next 5 yrs. includes the opening of postgrad. classes in many other subjects of all Facs.

CONSTITUTION. The Univ. is governed by a private body, the Senate, and its executive, the Syndicate. The Senate consists of the Chancellor, the Vice-Chancellor, *ex-officio* Fellows and ordinary Fellows. The Syndicate is elected in Nov. each yr. from among members of Senate by the Chancellor, Vice-Chancellor and various Facs. The Vice-Chancellor acts as Chairman.

FACULTIES AND DEANS. *Agric.*, Prof. M. M. Ahmad (Govt. Islamia Coll.); *Arts*, Prof. T. F. Wise (Econ.); *Educn.*, S. Yahya Shah, Dir. of Public Instruction, N.W.F.P.; *Islamiyyat*, M. N. Haq (Govt. Islamia Coll.); *Law*, Hon. K. B. Md. Ibrahim Khan; *Med.*, Col. M. K. Afridi (Dir. of Health Services); *Oriental*, Dr. A. M. A. El-Housseini (Arabic); *Sci.*, Dr. M. R. Siddiqi (Maths. and Phys.).

INCOME (1954–55). Total income from fees and from Government grants: Rs. 54,80,337.

HOSTELS. Nine Hostels for men accommodate about 900 students.

EXTENSION LECTURES. The Univ. has started a series of extension lectures in affiliated colls., delivered by Univ. staff and other persons.

THE YEAR 1954–55

NEW BUILDINGS. Univ. Hostel to accommodate 200 students has been completed and occupied. Sci. labs. for res. work in Phys., Chem., Bot. and Zool. have been completed. Residential houses for staff are being built, and

50 are already completed. Bldgs. for the Senate Hall, Univ. Office, Library, Med. Coll., Agric. Coll., and Forest Coll. and Res. Inst. are under construcn. Regional Lab. of the Pakistan Council of Industr. and Sci. Res. opened Sept. 1954.

STUDENT NUMBERS (1952–53).

University, 215 (men, 173; women, 42). Affiliated colleges, 1928.

UNIVERSITY OF RAJSHAHI *

Established 1953

Postal Address: Rajshahi, East Bengal, East Pakistan.
Telephone: Rajshahi 81.

CHANCELLOR—H.E. MAJOR-GENERAL ISKANDER MIRZA, GOVERNOR OF EAST BENGAL.

VICE-CHANCELLOR—I. H. ZUBERI, M.A., Ph.D. Edin., F.R.S.L.

TREASURER—A. S. CHOUDHURI, B.L.

REGISTRAR—O. GHANI, M.A.

CONTROLLER OF EXAMINATIONS—A. KARIM, M.A.

AFFILIATED COLLEGES

BAGERHAT, *Prafullah Chandhra College.* B.A. Principal—Mani Kanta Ganguli, M.A. Calc.

BOGRA, *A.H. College.* B.A. Principal—B. L. Siromani, M.A., B.L. Calc.

DAULATPUR, *Barajlal College.* B.A., B.Sc. Principal—M. M. Sufian.

DINAJPUR, *Surendra Nath College.* B.A. Principal—Shahzada Nizamuddin Ahmad, M.A., LL.B. Alig., Ph.D. Rome.

JESSORE, *Michael Madhusudan College.* B.A. Principal—A. R. Joarder, M.A. Alig.

KHULNA, *R.K. Girls' College.* B.A. Principal—A. D. Sinah.

KUSHTIA, *Kushtia College.* B.A. Principal—A. M. Xohurul Islam, M.A. Calc.

PABNA, *Edward College.* B.A. Principal—Nalini Ranjan Roy, M.A.

RAJSHAHI, *Rajshahi Government College.* B.A., B.Sc., B.A. (Hons.), B.Sc. (Hons.). Principal—M. S. Huq, M.A.

RANGPUR, *Carmichael College.* B.A., B.Sc. Principal—S. Shahabuddin Ahmad, M.Sc. Patna.

SATKHIRA, *Satkhira College.* B.A. Principal—Maulvi M. Sakhawatullah, M.A. Dacca.

SERAJGANJ, *Serajganj College.* B.A. Principal—Grudas Majumdar, M.A., B.L.

GENERAL INFORMATION

Before the partition of Bengal in 1947 the Univ. of Dacca was purely residential and the jurisdiction of the Univ. of Calcutta extended throughout Bengal. In August 1947 the Univ. of Dacca assumed the responsibility of affiliating all those Colls. in East Bengal which had formerly been under the

* Member of the Association of Universities of the British Commonwealth.

jurisdiction of the Univ. of Calcutta ; this resulted in the centralization of all higher educn. at Dacca, an immediate effect being overcrowding in degree and postgraduate classes. The need for another Univ. was realized and the Govt. chose as its location Rajshahi where the Government Coll., founded in 1828, had a high reputation. As long ago as 1917 the Sadler Commission had indicated the suitability of Rajshahi as the site for a Univ. in North Bengal.

The Univ. was founded on July 1, 1953 ; the first Vice-Chancellor is Dr. I. H. Zuberi, who formulated the scheme for the establishment of the Univ. and drafted the Bill which was passed by the Provincial Legislature.

The Univ. has academic control over 20 Colls. of which 12 are degree Colls. There is a Coll. of Commerce and a Women's Coll.

Rajshahi Univ. will confine its activities to postgrad. teaching and res., Pass and Honours courses in the Facs. of Arts and Science being available in the affiliated colls. Postgrad. teaching has been organized in Law, Engl., Econ., Pol. Sci., Philos., Psychol., Hist., Islamic Hist., Maths., and Geog. ; also for M.Ed. and Dipl. in Educn.

CONSTITUTION. On the Senate are represented Deans of Facs., Heads of Dept., Principals and governing bodies of all affiliated colls., and representatives of the Provincial Legislature and all registered graduates ; the Government nominates 20 members. The Syndicate, a smaller body responsible for day-to-day admin., is composed of the Deans, two representatives of the Principals of affiliated colls., and representatives of Senate incl. those of registered graduates ; members of the Syndicate *ex officio* are the Dir. of Public Instrucn., East Bengal, the Pres. of East Bengal Secondary Educn. Bd. and the Inspectress of Schools ; the Chancellor nominates 3 members. The Academic Bd. is responsible for organizing courses of studies, prescribing syllabuses and conducting examns. The Vice-Chancellor is Chairman of all these bodies.

FACULTIES. Arts, Education, Law, Science.

TERMS. July-Sept. ; Oct.-Dec. ; Jan.-May.

BUILDINGS. It is intended to establish a small Univ. town on land acquired 6 miles from Rajshahi. Plans for the Univ. bldgs. have been prepared by Lt.-Col. G. Swayne Thomas, whose services are being made available by the Australian Govt. under the Colombo Plan.

LIBRARY. A library intended primarily for postgrad. and res. work is being established.

RECREATION. All Degree Colls. have facilities for organized games.

PUBLICATION. *Calendar.*

THE YEAR 1953–54

The following examinations were held : Inter. in Arts, Sci., Comm., and Islamic studies ; B.A., B.Com., and B.Sc.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	7011	..
Women	184	..
Total	7195	..

[*Information compiled as at* 13/8/54.]

UNIVERSITY OF SIND*

Founded 1947

Postal Address : Hyderabad, Sind, West Pakistan.
Telegrams : University, Hyderabad, Sind.
Telephone (Office) : 229, 230.

CHANCELLOR—H.E. THE GOVERNOR OF SIND.
PRO-CHANCELLOR—THE HON. THE PRIME MINISTER OF SIND.
VICE-CHANCELLOR—ALLAMA I. I. KAZI.
REGISTRAR—T. A. AGHA, B.A. Bom., B.T. Alig.
DEPUTY REGISTRAR—MUHAMMAD HUSAIN, M.A.
ACTG. LIBRARIAN—SAJJAD HUSAIN RIZVI.

STAFF OF TEACHING DEPTS.

Econ., General Hist. and Pol. Sci.
Khan, N. A. G , M.A., B.T., Ph D Asst. Prof.

Education
Baloch, N. B., M.A., LL.B. Alig., A.M., Ed D. Col. Prof. and Hd. of Dept
Bakhsh, Q N., M A., M.Ed. Asst Prof.
Jatoi, A N. H., M.A., B T Asst Prof.
Memon, S. M., M.A., B.T Lectr
Khan, Mrs A , M A., B.T. Lectr.

English
Sayed, J. W., M.A. Alig. Asst. Prof.

Mathematics
Abbas, S., M.A. Alig. Asst. Prof.

Muslim History
Akhtar, K. A. M.

Philosophy
Kazi, A. H., M.A., Ph.D Prof. and Hd. of Dept.

Religion, Arabic and Islamic Culture
Halepota, A. W., M.A. Bom., D.Phil. Oxon. Prof and Hd. of Dept.

Sindhi
Baloch, N. B , M.A., LL.B. Alig , A.M., Ed.D. Col. Prof.
Chana, N. A., M.A., B.T. Asst. Prof.

Urdu
Qazi, M. M., M.A. Asst. Prof.

AFFILIATED INSTITUTIONS RECOGNIZED IN DEGREE COURSES

The Colleges affiliated to this University represent all the Faculties, as mentioned below :

Arts

Dean—Hon. S. M. Muhammad Shah, M.A., LL.B.

HALA, *Sarwari Islamia Arts College.* B.A. Principal—M. A. Channa, B.T. 7 Teachers.

* Member of the Association of Universities of the British Commonwealth.

HYDERABAD, *City Arts College*, Station Rd. M.A. Principal—S. K. Rahim, M.A., LL.B. 27 Teachers.

HYDERABAD, *Govt. College*. B.A. Principal—Duarte, M.A., D.Litt. 36 Teachers.

HYDERABAD, *Govt. Girls' College* B.A. Principal—..... 15 Teachers.

HYDERABAD, *Nazareth College*. B.A. Principal—Rev. Mother Teresa. 18 Teachers.

HYDERABAD, *Oriental College*. Oriental Langs. Principal—Amir Ahmad Makdoom. 5 Teachers.

MIRPURKHAS, *Shah Abdul Latif Arts College*. B.A. Principal—Tahir Ali, M.A. 11 Teachers.

SHIKARPUR, *C. and S. Govt. College*. B.A. Principal—S. T. A. Nalvi. 22 Teachers.

SIND, *College of Commerce*, B.Com. Principal—..... 5 Teachers.

Science

Dean—M. B. Pithawalla, D.Sc., B.A.

HYDERABAD, *Govt. College*. B.Sc. Principal—Duarte, M.A., D.Litt.

HYDERABAD, *Nazareth College*. Inter. Sc. Principal—Rev. Mother Teresa.

SHIKARPUR, *C. and S. Govt. College*. Inter., B.Sc. Principal—A. C. S. Gillani, M.A., Ph.D.

Medicine

Dean—.....

HYDERABAD, *Liaquat Medical College*. Principal—S. H. Zaidi, M.D. 9 Teachers.

Law

Dean—.....

HYDERABAD, *Law College*, Risala Rd. Second LL.B. Principal—..... 13 Teachers.

Technology

Dean—A. M. Shaikh, M.Sc., Ph.D.

SAKRAND, *King George V Institute of Agriculture*. M.Sc.Agri. Principal—A. G. Pirzada, M.Sc. (Agri.). 25 Teachers.

GENERAL INFORMATION

The idea of a separate University for Sind was first broached in 1886, when the then Principal of the D. J. Sind College, Karachi, predicted that the province would need a separate University to serve its distinctive cultural needs. In 1940 the autonomous Govt. of Sind appointed the Sind University Committee to go into the entire problem of a separate Univ. The Report of the Cttee., issued in 1941, covered the entire field of organizational and academic issues involved. But action on the Report was delayed till a regular Bill for the creation of a separate Univ. for Sind was introduced in the local legislature in 1945, and became an Act in 1947.

Since a separate Karachi University for the Karachi Federal Area was established as from session 1951–52, the headquarters of the University of Sind were moved from Karachi to Hyderabad in May 1951.

The University is now an affiliating, examining and teaching Univ. Most of the teaching work is carried on by the affiliated colls., but postgraduate teaching under the direct control of the Univ. has been started and there are schemes for the taking over by the Univ. of all postgrad. teaching and research. The dept. of Sindhology is designed to organize extensive res. work in the hist., lit., lang., folk-lore, economic conditions and material resources of the Province of Sind.

A Univ. township scheme has been prepared and has been approved in principle by the Provincial and Central Govts. The scheme envisages the establishment of the following institutions under direct Univ. control: Educn. Dept. with Model Primary Sch. and Model Collegiate Sec. Sch.; Arts Colls.; Commerce Colls.; Law Coll.; Sci. Coll.; Engin. Coll.; Technical Inst.

A Foreign Universities' Bureau of Information has been set up to guide all students in West Pakistan who desire to study in the Universities of U.K. and U.S.A.

Library. 22,000 vols. and 18,000 MSS.

Admission to Courses in University Teaching Departments. *M.Ed.*: candidates must have had 1 yr.'s teaching experience after passing B.T., M.A., M.Sc. or LL.B. (with B.A. degree) in the 1st class or 2nd class. *B.T.*: candidates must be grads. of Sind or a recognized Univ. and must have taught for at least 1 yr. *D.Ed.*: candidates possessing M.Ed. of Sind or a recognized Univ. may register. *D.Phil.*: candidates possessing M.A. or M.Sc. of Sind or a recognized Univ., or an equivalent examn. of a recognized Univ., will be allowed to register provisionally. *M.A.* (in Religion and in Islamic Culture): those who have passed the examn. for the B.A. or B.Sc. of Sind or a recognized Univ., or equivalent degree of any recognized Univ., are eligible for admission.

Degrees. *Arts*—B.A. (Pass and Hons.); M.A.; M.Ed.; D.Phil.; D.Ed. *Science*—B.Sc. (Pass and Hons.); M.Sc. *Law*—LL.B. *Technology*—B.Sc. (Agri.); M.Sc. (Agri.); B.Com.; B.T.; B.E.; M.B., B.S.

The Academic Year is divided into 2 terms: (1) July 20 to Nov. 10; (2) Nov. 20 to March 20.

Recognition of Examinations of other Universities. Examns. of all statutory Univs. in India and Pakistan are recognized for the purpose of admission.

Term Fees. M.Ed. course, Rs. 175.

Recreation. The University Board of Sports organizes the Univ.'s sports activities. Individual Colls. also provide facilities for indoor and outdoor games.

Publication. *Calendar*, Rs. 6.

THE YEAR 1952–53

Students. Total: 1283.

Degrees. B.A., 77; M.A., 12; B.Sc. (Agri.), 8; B.Com., 7; B.T., 2; M.Ed., 2; B.E., 7; LL.B., 14; M.B., B.S., 3; B.Sc., 12; M.Sc., 1.

OTHER PARTS OF THE COMMONWEALTH

UNIVERSITY OF HONG KONG (p. 1503)
UNIVERSITY OF MALAYA (p. 1511)
ROYAL UNIVERSITY OF MALTA (p. 1519)
UNIVERSITY COLLEGE OF THE GOLD COAST (p. 1523)
UNIVERSITY COLLEGE, IBADAN (p. 1528)
MAKERERE COLLEGE, THE UNIVERSITY COLLEGE OF EAST AFRICA (p. 1534)
RHODESIA UNIVERSITY COLLEGE (p. 1540)
UNIVERSITY COLLEGE OF THE WEST INDIES (p. 1542)
IMPERIAL COLLEGE OF TROPICAL AGRICULTURE (p. 1548)
COLLEGE OF AGRICULTURE, MAURITIUS (p. 1552)

UNIVERSITY INSTITUTIONS IN OTHER PARTS OF THE COMMONWEALTH

THE provision of facilities for higher education within the Colonies has a long history; Codrington College, Barbados, founded in 1710, and Fourah Bay College, Sierra Leone, founded in 1827, have since 1875 been affiliated with the University of Durham (*see* p. 122). The present phase of exceptionally rapid development, however, dates from the end of the 1939–45 war. In June 1945 reports were published of the Commission on Higher Education in the Colonies under the chairmanship of Mr. Justice Asquith, of its West Indies Committee under the chairmanship of Sir James Irvine, and of the Commission on Higher Education in West Africa under the chairmanship of Colonel Walter Elliot (Cmd. 6647, Cmd. 6654, Cmd. 6655, H.M. Stationery Office). These reports recommended that additional university institutions should be created within the Colonies, formulated the principles on which they should be developed, proposed the establishment of an Inter-University Council through which the Universities of the United Kingdom could assist, and provided detailed plans for new University colleges in the West Indies and West Africa. After the liberation of Malaya, a commission under the chairmanship of Sir Alexander Carr-Saunders (Report, Col. 229, H.M. Stationery Office) visited the area and recommended that a University of Malaya should be established by the amalgamation of the King Edward VII College of Medicine (founded 1904) and Raffles College (founded 1928). In 1952 a commission, also under the chairmanship of Sir Alexander Carr-Saunders, visited Central Africa (Report, Central African Council, March 1953); its recommendations, combined with the plans already in being for a college in Salisbury, S. Rhodesia, provide the basis for the proposed Rhodesia University College.

In this post-war development, the two existing Universities of Malta (founded 1592) and Hong Kong (founded 1911) have been strengthened, a new University of Malaya founded, three new University Colleges created, the University College of the West Indies, the University College of the Gold Coast, and University College, Ibadan, Nigeria, and Makerere College (founded 1922) raised to the status of the University College of East Africa. A fifth, Rhodesia University College, is in process of being established.

All the Colonial Universities and University Colleges are autonomous corporations, established by local ordinances or, for the University College of the West Indies, by Royal Charter. With minor variations, their constitutions provide for a *Council*, with a majority of lay members and some academic representatives, and a *Senate* or *Academic Board*, wholly academic in membership.

The institutions have relatively small endowments, among the largest being £1 million for the University of Hong Kong in 1951 from Japanese assets available under the peace treaty, nearly £1 million for the Faculty

of Agriculture at University College, Ibadan, from the Nigerian Cocoa Marketing Board, and £2 million for the University College of the Gold Coast from the Gold Coast Government They receive most of their recurrent income from the local governments in the form of block grants, not internally earmarked Local governments have given generous sites for the new Colleges, for instance areas of five square miles each for the University College of the Gold Coast and University College, Ibadan, and over one square mile in Jamaica for the University College of the West Indies. In addition to substantial capital gifts for buildings and equipment from local governments and private sources, Her Majesty's Government in the United Kingdom has contributed £7 million for capital purposes from funds available under the Colonial Development and Welfare Acts of 1945 and 1950.

The three Universities award their own degrees. The four University Colleges provide courses leading to the degree examinations of the University of London, with which they are in special relationship; by this arrangement the academic boards of the Colleges work out with the University special syllabuses adapted to local conditions, and members of the College staffs assist in the examining of their own students. In addition to courses leading to University of London degree examinations, the University Colleges provide, in some subjects, courses leading to their own diplomas and certificates.

The academic year is from Oct. to June, except at Makerere, where it is from March to Dec. The institutions, except Malta, are either wholly, or for the majority of students, residential. The language of instruction is English.

All have Faculties of Arts and Natural Science; all, except the Gold Coast, Medicine. Social Sciences are taught at Hong Kong, Malaya, Gold Coast and Makerere; Veterinary Science at Makerere; Engineering and Architecture at Malta and Hong Kong; Dentistry at Malaya; Theology at Malta and Gold Coast; Law at Malta; Education at Hong Kong, Malaya, West Indies, Gold Coast and Makerere. West Indies, Gold Coast, Ibadan and Makerere have departments of Extra-Mural Studies.

All are active centres of research as well as of teaching. At three of the colleges, West Indies, Ibadan and Makerere, regional Institutes of Social and Economic Research have been established with grants under the Colonial Development and Welfare Acts.

In addition to the three Universities and four University Colleges, there are in the Colonies several other institutions of research and higher education, including two specialized agricultural colleges, the Imperial College of Tropical Agriculture, Trinidad, and the College of Agriculture, Mauritius.

THE INTER-UNIVERSITY COUNCIL FOR HIGHER EDUCATION OVERSEAS (formerly the Inter-University Council for Higher Education in the Colonies), 1 Gordon Square, London, W.C.1. (*Telegrams*: Interuniv London; *Telephone*: Museum 8916.) The Inter-University Council was created in March 1946 by the Universities in Great Britain and Northern Ireland and the existing Universities in Colonial territories,

at the invitation of the Secretary of State for the Colonies, for the purposes of—

"strengthening co-operation between the Universities of Great Britain and Northern Ireland and the Universities in territories in respect of which the Secretary of State for the Colonies has responsibility;

fostering the development of higher colleges in the British Colonies and their advance to University status;

giving effect to the principles recommended by the Asquith Commission on Higher Education in the Colonies for the promotion of higher education, learning and research in the British Colonies;

discharging the tasks which the Secretary of State for the Colonies has invited them to undertake;

taking other appropriate action for the development of higher and particularly University education for the peoples of the British Colonies, Protectorates, Mandated Territories and the High Commission Territories in South Africa;

and, at the invitation of the Governor-General of the Sudan, performing, in relation to the development of higher education in the Sudan, functions analogous to those which they undertake in relation to the Colonial territories."

The Council's composition is: Chairman: Sir Alexander Carr-Saunders, M.A., LL D, D.Litt., Litt.D., D. en Droit, F.B.A. Vice-Chairman: Sir Raymond Priestley, M.C., M A., D.Sc, LL.D., D.Litt.

Representative Members: *Aberdeen*: Sir Thomas Taylor, C.B.E., Q.C., M.A., LL.D., D.D., *Belfast*: Prof. F H. Newark, M.A., B.C.L.; *Birmingham*: Prof. A. P. Thomson, M.C, M.D., F.R.C.P.; *Bristol*: Sir Philip Morris, C.B.E., M.A., LL.D.; *Cambridge*: Sir Henry Thirkill, C.B.E., M.C., M.A.; *Durham*: Sir James Duff, M.A., M.Ed., LL.D., D.C.L.; *Edinburgh*: Prof. M. Grant, O B.E., M.A.; *Glasgow*: Prof. L. J. Davis, M.D., F.R.C.P. Lond. and Ed, F.R F.P.S. Glas.; *Hong Kong*: Col. L. T. Ride, C.B E., M.A., D.M., B.Ch., LL.D.; *Hull*: .....; *Leeds*: Sir Charles Morris, M.A., LL.D.; *Liverpool*: Prof. J. G. Wright, D.Sc., M.V.Sc, F.R.C.V.S.; *London*: Sir Alexander Carr-Saunders, M.A., LL D., D.Litt., Litt.D., D en Droit, F.B.A., and Prof. R. V. Christie, D.Sc., M.D., F.R.C.P.; *Malaya*: Sir Sydney Caine, K.C.M.G., B.Sc.; *Malta*: J. A. Manché, B.Sc., M.D.; *Manchester*: Prof. C. W. Wardlaw, Ph.D., D.Sc.; *Nottingham*: B. L. Hallward, M.A.; *Oxford*: Sir Douglas Veale, C.B.E., M A., LL.D.; *Reading*: Prof. H. G. Sanders, M.A., Ph.D.; *St. Andrews*: Very Rev. G. S Duncan, O.B.E., M.A., D.D., LL.D., D.Theol.; *Sheffield*: Prof. L. E. S. Eastham, M.A., M.Sc.; *Southampton*: D. G. James, M.A.; *Wales*: A. Steel, O.B.E., M.A.; *Exeter*: .....; *Leicester*: .....; *North Staffordshire*: .....

Co-opted Members: Prof. T. H. Davey, O B.E., M.D., D.P.H.; Sir Ivor Jennings, Q.C., M.A., Litt D., LL.D.; Sir Keith Murray, B.Sc., Ph.D., M.A., B.Litt.; Prof. Sir David Hughes Parry, M.A., D.C.L., LL.D.; Dame Lillian Penson, D.B.E., LL.D., D.Lit., D.Litt., Ph.D.; Margery Perham, C.B.E., M A., LL.D.; Sir Raymond Priestley, M.C., M.A., D.Sc., LL.D., D.Litt.

Ex-officio Member: Sir Christopher Cox, K.C.M.G., Educational Adviser to the Secretary of State for the Colonies.

Secretary: Walter Adams, C M.G., O B.E , B.A., LL.D.

Asst. Secretary: I. C. M. Maxwell, M.A.

Library Adviser: R. Offor, B.A., Ph.D.

Among the duties of the Council is the organization of periodical visits by its members or other academic specialists to the Colonial institutions of higher education. The Council has undertaken recruitment of staff for the Universities and Colleges in the Colonies and advised the Colleges on such questions as constitutions, conditions of service for staff, building programmes, academic development, recognition of diplomas, scholarship policy and library services. The Council reviews the academic aspects of applications submitted to the Colonial University Grants Advisory Committee, on which it is represented by two of its members.

THE COLONIAL UNIVERSITY GRANTS ADVISORY COMMITTEE. The Committee was appointed in 1946 by the Secretary of State for the Colonies with the following terms of reference:

" The function of the Committee will be to advise the Secretary of State for the Colonies on all matters which he may refer to it, relating to the expenditure of United Kingdom funds for the development of higher education in the Colonies. It is expected that in advising on these matters, the Committee will take into account the funds available for Colonial higher education from sources other than the United Kingdom Government. On the academic aspects of the proposals which are referred to it, the Committee will be guided by the opinion of the Inter-University Council for Higher Education in the Colonies."

The members are: Sir Hector Hetherington, K.B.E., D.L., M.A., LL.D., D.Litt. (Chairman); H. T. Bourdillon, C.M.G.; Sir Christopher Cox, K.C.M.G.; Sir John Huggins, K.C.M G.; Sir Walter Moberly, G.B.E., K.C.B., D.S.O.; Sir Charles Morris, M.A., LL.D., D.Litt.; Sir Keith Murray, B.Sc., Ph D., M.A., B.Litt.; Dame Lillian Penson, D.B.E., LL.D., D.Lit., D.Litt., Ph.D.; D. J. Sloss, C.B.E., LL.D.; Sir Arthur Trueman, K.B.E., D.Sc., F.R.S; Sir Douglas Veale, C.B.E., M.A., LL.D.; Secretary: Walter Adams, C M.G., O.B.E., B.A., LL.D.; Asst. Secretary: I. C. M. Maxwell, M.A.

[*Information compiled as at* 24/5/51.]

UNIVERSITY OF HONG KONG*

Founded 1911

Telegraphic Address: University, Hong Kong.
Telephone: Hong Kong 37021.

CHANCELLOR—H.E. THE GOVERNOR OF HONG KONG.

VICE-CHANCELLOR—Col. LINDSAY RIDE, C.B.E., M.A., D.M., B.Ch Oxon., LL.D. Tor.

TREASURER—M. W. TURNER, M.A. Oxon.

REGISTRAR—B. MELLOR, M.A. Oxon., Dip.Ed.

BURSAR—A. W. WILSON.

LIBRARIAN—Mrs. DOROTHEA SCOTT.

TEACHING STAFF

Anatomy

..... Prof.
Lee, Marjorie M. C., M D. West China Union Lectr.
Lee, R. H. S., M.B.E., M.B., B.S., D.L.O. Lond. Pt.-time Lectr.
Anderton, Mrs. Esther, M B., B.S. Calc. Pt.-time Lectr.
Chan, Mrs. Shuk-tsz, M.B. National Chung Cheng Med. College Demr.
Wong, W. W., M.B. Lingnan Demr.
2 Pt.-time Demrs.

Architecture

Brown, R. G., M.A. Edin., F.R.I.A.S. Prof.
Silva, J. F. Sr. Lectr.
Bjorck, F. G. I. Sr. Lectr.
Hugo-Brunt, M., M.C.D. Liv., B.Arch. Cape T. Lectr.
Myrenberg, L. E. T. Lectr.

Biology

Barker, D., M.A., D.Phil. Oxon. (Zool.) Prof.
Yung, C. T., B.Sc. Tsinghua, Ph.D. Chic. (Bot.) Sr. Lectr.
Johnston, Mrs. Eiluned, B.Sc. Lond. (Zool.) Lectr.
Chiu, Miss Bek-to, B.Sc. Lond (Bot) Lectr.
Strahan, R., M.Sc. W.Aust. Lectr.
Chen, Miss Spring, B.Sc., Ph.D. Lond. Asst. Lectr.
Ng, C. S., B.Sc. Soochow Demr.
Chou, J., B.Sc. Tsinghua Demr.
Tao, Mabel, B.Sc. Chekiang Demr.

Chemistry

Driver, J. E., M.A. Camb., Ph.D., M.Sc. Lond., F.R.I.C. Prof.
Israel, G. C., M.Sc. N.Z., F.R.I.C., (Phys. C.) Sr. Lectr.
Collins, Mrs. Dorothy A., M.Sc. Liv. Lectr.
Arthur, H. R., B.Sc. Melb., M.Sc. W.Aust. (Org. C.) Lectr.
Leary, R. H., B.Sc. W.Aust. Asst. Lectr.
Hui, Miss Wai-han, B.A. Demr.
Chung, Mrs. Ada, B.A. Demr.
Sousa, J. B., B.Sc. Demr.

* Member of the Association of Universities of the British Commonwealth.

Chinese

Drake, F. S., B.A., B.D. Lond., Dip.Ed., Dip.Geog. Lond. Prof.
Liu, P. M., L.B., B.A Ho Sei, B.A. Nanking Lectr.
Loh, H. L., B.A. Tsinghua Lectr.
Tang, C. I., B.A. National Central Univ. Lectr.
Jao, T. I. Asst. Lectr.

Civil Engineering

Vaughan, R. C., B.Sc. Brist Prof.
Wu, K. C., M.Sc. (Eng.) Lond., B.Sc. (Eng.), D.I.C. (Hydraulics) Lectr.
Chen, L. K., B.Sc. St. John's, B.A. (C.E.), M.S. Ill. (Structures) Lectr.
Tunnell, O., B.Sc. (Eng.) Lond. (Structures) Lectr.
King, S. Y., Ph.D. Lond., B.Sc. (Eng.), D.I.C. (Electr. and Mech.) Lectr.
Hui, C. Y., B.Sc. (Eng.) Asst. Lectr.
Leung, K. W., B.Sc. (Eng.) Demr.
Wong, T. C., B.Sc. (Eng) Demr.

Economics and Political Science

Kirby, E. S., B.Sc. (Econ.), Ph.D. Lond., F.R.E.S. Prof.
Mansfield, Rev. Fr. M., M.A. N.U.I. Lectr.
King, F. H. H., A.M. Stan., B.A. Oxon. Lectr.
Szczepanik, E. F., Com.Sc. Warsaw, M.Sc. (Econ.) Lond. Lectr.
Fu, S. L., B.A. Shanghai, Litt.D. Lectr.
Chien, C. L., B.A., LL.B., Ph.D. Lond. Pt.-time Lectr.
Chang, A. S., B.A. Wash., M.A. Wis., Ph.D. Penn. Pt.-time Lectr.

Education

Priestley, K. E., M.A. Oxon., Dip.Ed. Oxon. Prof.
Clements, Marie, B.Sc., B.A. Lond., Dip.Ed. Lond. Lectr.

English

Blunden, E. C., C.B.E., M.C., M.A. Oxon., F.R.S.L Prof.
Green, A. W. T., M.A. Oxon. (Linguistics) Sr. Lectr.
Hardie, A M. Lectr.
Visick, Mrs. Mary, M.A., B.Litt. Oxon. Lectr.
Jones, B. C., B.A. Camb. Asst. Lectr.
Yu, Margaret, Ph.B. Marquette, B.A , Dip E.S. Edin. Asst. Lectr.

Geography and Geology

Davis, S. G., Ph.D., M.Sc. Lond., F.G.S. Reader.
Ruxton, B.P., B A Camb. Lectr.
Tregear, T. R., B Sc., Ph.D. Lond. (Geog) Lectr.

History

Harrison, B., M.A. Dub. Prof.
Endacott, G. B., M.A., B.Litt. Oxon., B.A. Lond., Dip.Ed. Oxon. Lectr.
Cheng, J C., B.A. St. John's, A.M. Harv. and Tufts, Ph.D. Camb. Asst. Lectr.
Gray, J., M.A. Glas. Asst. Lectr.

Mathematics

Wong, Y. C., B.Sc. Sun Yat-sen, Ph.D., D.Sc. Lond. Prof.
Chen, K. T., B.Sc. South-West Associated, Ph.D. Col. Lectr.
Leung, K. V., Ing.-Doc. Paris. Lectr.
Hui, C. S., S.M. Harv., B.Sc. (Eng.), D.I.C. Tutor.
Tsou, S. T., B.Sc. Sun Yat-sen Tutor.
Kwok, Doris, B.Sc. National Sun Yat-sen, M.Sc. Lond. Asst. Lectr.

Medicine

McFadzean, A. J. S., M.B., Ch B Glas. Prof.
Chang, S., M.D. Peking Union Med. Coll. Sr. Lectr.
Choa, G., M.B., B.S. Lectr.
Choa, G , M.B., B.S , D.T.M & H. Liv Lectr.
Yap, P. M., M.A., M.B., B.Ch. Camb., D.P.M. (Mental Dis.). Pt.-time Lectr.
Hsu, B. F., B.S. Yenching, M.D. Peking Union Med. Coll. Pt.-time Lectr.
Yeoh, G. E , M.B., B S., D.C.H (Infectious Dis.) Pt.-time Lectr.
Moodie, A S., M.B , Ch B , D.P.H Glas Pt -time Lectr.

Modern Languages

Gransden, J H., M A. Camb. Sr. Lectr.
Whinnom, K., M.A. Oxon. Lectr.

Obstetrics and Gynæcology

King, G., O.B.E , F.R.C.S., F.R.C.O.G. Prof.
Chun, Daphne W. C., M.B., B.S., F.R.C.S.Ed. Sr. Lectr.
Wong, Mrs. Ada S. H , M.B., B.S. Lectr.
Cheng, Miss R., M.B., B.S. Asst. Lectr.
Tso, Miss E. H. Y., B.S. Yenching, M.D. Peking Union Med. Coll. Pt.-time Lectr.

Pathology

Hou, P. C., M.D Peking Prof.
Skinsnes, O. K , M.D., M.Sc , Ph.D. Chic. Lectr.
Huang, C. T., M D. Lingnan Lectr.
Teoh, T. B., M.B., B.S. Lectr.
Duck, E. F., M.B., B.S. Lond., D.P.H., D.T.M. & H. (Bacteriol.) Pt.-time Lectr.
Pang, T. C., M.B., B.S. (Med. Jurispr.) Pt.-time Lectr.
Pang, Lillian, M.B., B.S. Shanghai (Gynæcol. Path.) Demr.
Chan, Miss C. H., M.B. Lingnan Demr.
Ng, W. H., M.B., B.S. Demr.
Grimmo, A. E. P. (Bacteriol. & Parasitol.) Pt.-time Demr.

Philosophy

Rose, Rev. Canon A. P., M.A. Oxon. Lectr.
David, T K., B.A. Birm. Lectr.
Cronin, Rev. Fr. F., B.A. N.U.I. Pt.-time Lectr.
Kvan, Rev. E., Cand. Theol. Copenhagen Pt.-time Lectr.

Physics

Parsons, R. W., B E. Adel., D.Phil. Oxon. Prof.
Un Po, B.Sc. Lectr.
Hui, P. M., Ph.D. Lond., B.A. Asst. Lectr.
Lam, C. M., B.Sc. Lingnan Demr.
Yue, S. C., B.Sc. Demr.
Wu, Mrs. King-ching, M.A. Corn. Demr.
Chan, Y. W., B.Sc Lingnan, Ph.D. Leeds Demr.

Physiology

Kilborn, L. G., M.A., Ph.D. M.D., Tor. Prof.
Gould, D. W., B.Sc. Lond., D.T.M. & H. Sr Lectr.
Gray, Doris E., B.A., M.Sc., Ph.D. W. Ont. Lectr.
Bard, S. M., M.B., B.S. Pt.-time Lectr.
Driver, Mrs. Audrey F. M., M.A. Camb. Asst. Lectr.

Demonstrators

Lee, R. M. Y , M.B., B.S. Lingnan.
Huang, Y. Y., B.Sc., M.D. St. John's.
Liang, C. C., B.Sc. Tsinghua.
Hsieh, C. L., B.Sc., M D. St. John's.

Social Medicine

Yeo, K. C., M.D., B.S., D.T.M. & H. Lond. Prof.
She, Louise, B.A. Yenching, M.A. Mich. Lectr.
Linde, P. A. M. van de, M.B., B.S. Lond., D.P.H. Pt.-time Lectr.
Thomson, G. M., M.B., Ch.B, M.D. Edin., D.P.H. Edin. and Glas. Pt.-time Lectr.
Willis, J. S., M D., D.P.H. Tor. Pt.-time Lectr.

Surgery

Stock, F. E., M.B., B.S. Lond., D.T.M. & H. Edin., F.R.C.S., F.A.C.S. Prof.
Hodgson, A. R., M.B., Ch.B., F.R.C.S.Ed. (Orthop. S.) Sr. Lectr.
..... (Anæsthetics) Sr. Lectr.
Hui, K. K. L., M.B., B S., F.A.C.S. Lectr.

Pt.-time Lecturers

Lu, K. C., B.Sc. Yenching, M.D. Peking Union Med. Coll.
Ozorio, H. P. L., M.B., B.S. Pt.-time Lectr.
Singh, M., M.B., B.S., D.O.M.S. Lond. (Ophthalmol.).
Laing, D., M.B., B.S., D.L.O., F.R.C.S.Ed. (Oto-rhino-laryngol.)
Ho, H. C., M.B., B.S., D.M.R.D. (Radiol.).
Fang, H., M.B., B.S. Asst. Lectr.
Poon, Y. K , M B. Sun Yat-sen Demr.

Institute of Oriental Studies

Drake, F. S., B.A., B.D., Dip.Ed., Dip.Geog. Lond. Dir.
Wong, S. L., B.A. Lingnan Dir. of Lang. Sch.

Tutors

Chou, Mrs. Josephine, B.A. Ginling.
Ma, M , B.A. Yenching.
Lou, E. H., B.Sc. Peking, A.M. Col.
Chou, F. C., M.A. Peking.
Chou, H., B.A. Yenching.
Cheng, H., B.A. Yenching
Ko, A., B.A. Chung Shan.
Li, Mrs. Shu-hsiu, B.A. Chung Kuo.
Lee, Jannie, B.A. Sun Yat-sen.
Liu, S. C., B.A. Wis., M.A. Calif.
So, M. Y., LL.B. Chung Shan.
Yang, V. T., B.Comm. Edin.
Ma, Yen, B.A. Nanking .
Barnett, Mrs. Joan, B.A. Chung Shan.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrars: A. C. T. Rowe-Evans, B.A. Lond.; R. Oblitas, M.A. Camb., Cert.Ed. Camb. Asst. Bursar: N. Gillanders. Accountant: M. K. Cheng. Inspr. of Works: M. Antonoff. Controller of Gdns.: C. W. Pan, B.Sc. (Hort.) Nanking. Medical Officer for Student Health: Mrs. Norah Tregear, M.B., B.S. Lond. Secretary, Jt. Publications Bd.: A. C. T. Rowe-Evans, B.A. Lond.

WARDENS OF HALLS OF RESIDENCE. (*Men*): G. B. Endacott, M.A., B.Litt. Oxon., B.A. Lond., Dip.Ed. Oxon. (May Hall); R. H. Leary, B.Sc. W.Aust. (Eliot Hall); R. Oblitas, M.A. Camb., Cert.Ed. Camb. (Lugard Hall); Rev. S. Withers Green, B.A. Lond., B.D. Oxon. (Morrison Hall); Rev. Fr. F. Cronin, B.A. N.U.I. (Ricci Hall); Rev. E. Kvan, Cand. Theol. Copenhagen (St. John's Hall); B. Mellor, M.A. Oxon. (Hornell Hall, non-residential). (*Women*): Mrs. Mary King, M.B., Ch.B. St. And., D.T.M. & H. (Lady Ho Tung Hall); Miss Bek-to Chiu, B.Sc. Lond. (Assistant Warden, Lady Ho Tung Hall); Mrs. Mary B. Rose (Duchess of Kent Hall, non-residential).

FISHERIES RESEARCH UNIT. Head: D. Barker, M.A., D.Phil. Oxon.; Dir.: J. A. Tubb, M.Sc. Melb.; Chief Scientific Officer: J. D. Bromhall,

B.Sc. Oxon. ; Asst. Scientific Officers : T. Chow, B.Sc. Wash. ; B. A. Chinan ; Miss S. M. Lam, B.Sc., Dip.Ed.

GENERAL INFORMATION

In 1887 Sir Patrick Manson, G.C.M.G., started the Hong Kong College of Medicine for the Chinese in the Alice Memorial Hospl. opened the same yr. on a London Missionary Soc. foundation. As students of nationalities other than Chinese began to join the Coll., the words " for the Chinese " were struck out of the title in 1907, and the institution was incorporated as " The Hong Kong College of Medicine."

The College offered to amalgamate in a University, and in March 1911 the Univ. of Hong Kong was incorporated by a local Ordinance, embodying the principle of religious and racial neutrality. In connexion with the foundation H.M. Govt. guaranteed funds for the foundation of " King Edward VII Scholarships," awarded on entrance examn. results. The Univ. was opened in March 1912, in a bldg. donated by Sir Hormusjee Mody, with Facs. of Med. and Engin. A Fac. of Arts was organized in the following yr., a Fac. of Science in 1939 and a Fac. of Archit. in 1951.

CONSTITUTION. The supreme governing body of the Univ. is the Court, with the Governor of Hong Kong as Chancellor and Chairman. The executive body is the Council, composed of the Vice-Chancellor, the Treasurer, certain Govt. officials and Chinese members of the Legislative Council, the Deans of the Facs., 2 representatives of the commercial community and 2 additional members approved by the Chancellor. The Senate, which deals with academic matters, is composed of the Vice-Chancellor, the Dir. of Education and the Profs. and Readers.

INCOME (1951–52). (H.K.$16 = £1.) Interest on Investments, $558,553 ; Fees, $989,140 ; Govt. Grant, $1,500,000 ; Other Sources, $38,865 ; Total, $3,086,558 (Deficit, $59,963).

FACULTIES AND DEANS. *Archit.*, Prof. R. G. Brown ; *Arts*, K. E. Priestley ; *Engin.*, Prof. R. C. Vaughan ; *Med.*, Prof. G. King ; *Science*, Prof. J. E. Driver.

ADMISSION. Qualifications : attainment of age 17 ; medical examn. of fitness ; success in the Univ. of Hong Kong Matricn. Examn. (passes in English, a second Lang., Elementary Maths. and 2 other subjects, at least two of which must be at the Advanced Level, or exemption from it. Students who are not registered Matriculated Students may read in courses other than those offered in the Fac. of Medicine provided they have attained Matricn. Examn. standard in English and in the subject of the course in which they apply to read, but may not take any examns.

DEGREE COURSES. Pass B.A.—3 yrs. ; pass B.Sc., B.Sc. (Eng.)—4 yrs. M.B., B.S.—6 yrs. Hons. B.A.—4 yrs. Hons. B.Sc., pass or Hons. B.Arch.—5 yrs. The minimum attendance at lectures and lab. classes prescribed is 75 per cent. The minimum residence in the Univ. for graduation is 3 yrs., except where individual exemption is given.

Students in Arts courses are selected after the First-yr. Examn. to read for Hons. B.A. ; students in Sci. courses are required to graduate with a pass B.Sc. degree before they may be permitted to read during 1 further yr. for an Hons. B.Sc.

HIGHER DEGREES. M.A., M.Sc., M.Sc. (Eng.)—conferred on graduates of the Univ. or of approved Univs. after advanced work extending over at least

2 yrs. M.D., M.S.—conferred on graduates of the Univ. of 5 yrs.' standing, or in special cases of 3 yrs.' standing. M.Arch.—conferred on Hons. graduates of the Univ. or of approved Univs. after 1 yr.'s advanced work. D.Sc.—conferred on graduates of the Univ. of at least 5 yrs.' standing on evidence of publication of authoritative contributions to learning.

DIPLOMAS. Dipl. in Educn.—1 yr.; Dipl. in Social Study—2 yrs.; Dipl. in Pharmacy—2 yrs.; candidates must be graduates of the Univ. or approved Univs.

CERTIFICATE. Certif. in Social Study —2 yrs.; candidates must be matriculated students of the Univ.

FEES ($16=£1). Matricn., $50; Caution, $100; Composition (including Registration, Tuition, Lab. or Workshop, Examn., and Student Health): B.A. (Pass) (3 yrs.), $3160; B.A. (Hons.) (4 yrs.), $4210; B.Sc. (Pass) (3 yrs.), $3760; B.Sc. (Hons.) (4 yrs.), $5010; M.B., B.S. (6 yrs.), $7510; B.Sc. (Eng.) (4 yrs.), $4610; B.Arch. (5 yrs.), $5710; Higher Degree Examns.: M.A., M.Sc., M.Sc. (Eng.), M.Arch., $400; D.Sc., M.D., M.S., $600. Graduation: B.A., B.Sc., M.B., B.S., B.Sc. (Eng.), B.Arch., $100; M.A., M.Sc., D.Sc., M.D., M.S., M.Sc. (Eng.), M.Arch., $200.

EXTERNAL STUDENTS. There are about 20 external students, mostly attending courses in the Arts subjects, and 28 Lang. Sch. students.

ACADEMIC YEAR. Sept. to June, 3 terms of 12, 9 and 9 wks.

FELLOWSHIPS. 2 Research Fellowships in the Dept. of Medical Research and 6 in Inst. of Oriental Studies.

VACATION COURSES. Refresher Courses are offered from time to time for approved graduates, in professional subjects.

EXTRA-MURAL COURSES. The Univ. conducts Extra-Mural Courses from time to time. These are mainly European lang. courses organized by the Dept. of Mod. Langs.

GRADUATES' ASSOCIATIONS. Hong Kong Univ. Alumni Assocn. of Hong Kong; Hong Kong Univ. Soc. of Shanghai; Hong Kong Univ. Canton Alumni Assocn.; Pan-Malayan Hong Kong Univ. Alumni Assocn. (branch Assocns. of S. Malaya, Central Malaya, Perak and North Malaya); Hong Kong Univ. Alumni Assocn. in the U.K.

LIBRARIES. Univ. Library: 74,000 vols.; subscribes to over 500 journals. Special collections include the Hankow Collection which provides invaluable source material on the relations between China and the West during the Ch'ing dynasty; and the Morrison Collection of 1300 vols. of which about 100 are of considerable antiquarian value in the fields of oriental and biblical lit. Fung Ping Shan Library: a Chinese library of about 72,000 Chinese vols. and some 2300 Japanese sinological vols.

RESEARCH VESSEL. *Alister Hardy*, used by Fisheries Research Unit.

TEACHING HOSPITALS. Queen Mary Hosp. Tsan Yuk Hosp.

INSTITUTE OF ORIENTAL STUDIES. (V. p. 1506.) The reconstituted Br. Inst. of Far Eastern Studies provides facilities for the study of the Mandarin and Cantonese langs. to Colonial Administrative Service officers and lang. officers of the Army and Air Force, and for research in various fields of Far Eastern Study.

HALLS OF RESIDENCE. For Men: in Univ. estate—May Hall (accomm. for 90). Eliot Hall (88), Lugard Hall (75)—fees, $180 a month; Morrison Hall, Hatton Rd. (*Telephone*: 24777) (54), conducted by London Missionary Soc.—fees, $200 a month; Ricci Hall, Pokfulam Rd. (*Telephone*: 22938) (58), conducted by Jesuit Fathers—fees, $200 a month; St. John's Hall, Bonham Rd. (*Telephone*: 22823) (48), conducted by Church Missionary Soc.—fees, $211 a month. For Women: Lady Ho Tung Hall, Pokfulam Rd. (85)—fees, $220 a month. (For Wardens *see* p. 1506.)

STAFF RESIDENCES. The Univ. controls 43 houses and flats for teaching staff situated within the Univ. estate, and five outside it.

STUDENT HEALTH SERVICE. Directed by a cttee. composed of the Prof. of Med. as Chairman, the Deans, the Wardens, the Medical Officer for Student Health, and the Pres. of the Students' Union, the health service provides for initial examn. on admission, required vaccinations and inoculations, and professional services up to specialist level.

STUDENT ATHLETICS. Cricket, football, hockey, swimming, tennis, basketball, badminton, etc.

STUDENTS' UNION. The Union was established in Oct. 1912. Membership is obligatory. It is controlled and directed by a Council, the Pres. and Hon. Sec. of which, and also 4 independent members, are elected by the undergraduates. The Union possesses a Jordan Memorial Library.

PUBLICATIONS. *Calendar*; *Handbook of the Matriculation Examination*; *Annual Report*; *The Journal of Oriental Studies*; *The University Gazette*; *The Union Magazine* (students).

The UNIVERSITY PRESS is managed by a Publications Bd. apptd. jointly by Council and Senate. Chairman of Bd., Prof. J. E. Driver.

THE YEAR 1952–53

PATRONAGE. H.M. Queen Elizabeth II has graciously granted Her Royal Patronage to the Univ.

PRINCIPAL BENEFACTIONS. China Medical Board, U.S.$75,000, for equipment in the projected new Pathol. Bldg.; $37,250 donated by well-wishers for the Chinese Library Fund; Aid Refugee Chinese Intellectuals Inc., six Fellowships at Inst. of Oriental Studies for 1952–53; Harvard-Yenching Institute, U.S.$15,000, to provide Fellowships at Inst. of Oriental Studies for 1953–54 and to assist in publication of res. work.

NEW BUILDINGS. Chem. Bldg., Pathol. Store.

NEW POSTS. Three Sr. Lectureships and Lectureship in Archit.; Lectureship in Chem.; Lectureship in Biol.; Sr. Lectureship in Chinese; Directorship of Inst. of Oriental Studies; tutorships in Inst. of Oriental Studies.

RETIREMENTS. B. G. Birch (Engl.); F. C. Weller (Workshop Instr.).

RESIGNATIONS. Prof. L. T. Tide (Physiol.); C. Young, (Archit.); E. A. Stephens (Geol.); Miss C. M. Mather (Engl.).

DEATHS. Sir Henry Edward Pollock, Life Member of Court; Dr. Ts'o Seen Wan, Life Member of Court; Dr. J. W. K. Liao, Lectr. in Sociol.; Li Tse-Fong, member of Court.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	699	7
Women	265	11
Total	964	18

Research and postgraduate students, 7.
In specialized language courses, 28.
New admissions, 244.
Students from other countries, 392. (Countries from which largest numbers came: China, 169; Federation of Malaya, 158; Indonesia, 8.)

DEGREES (1953). B.A., 39; B.Sc., 10; B.Sc. (Hons.), 1; B.Sc. (Eng.), 14; M.B., B.S., 11 (1952), 33.

[*Information compiled as at* 9/7/54.]

UNIVERSITY OF MALAYA*

Founded 1949

Postal Address: Cluny Road, Singapore 10.
Cables: Univmalaya, Singapore.
Telephone: Singapore 20311.

CHANCELLOR—The Rt. Hon. MALCOLM MACDONALD, M.A., LL.D., D.Litt.

PRO-CHANCELLORS—Sir DONALD MACGILLIVRAY, K.C.M.G.; Sir JOHN F. NICOLL, K.C.M.G.; DATO Sir ONN BIN JA'AFAR, K.B E., LL.D.; Sir HAN HOE LIM, C.B.E., M.B., Ch.B. Edin., LL.D.

VICE-CHANCELLOR—Sir SYDNEY CAINE, K.C.M.G, B.Sc.(Econ.) Lond.

REGISTRAR—MAURICE BROWN, LL B. Melb

BURSAR—WILLIAM G. MCINTOSH.

LIBRARIAN—ERNEST H. CLARK, B.A. Melb.

TEACHING STAFF

Anæsthetics, v. *infra*

Anatomy, v. *infra*

Bacteriology, v. *infra*

Biochemistry, v. *infra*

Botany

..... Prof

Lecturers

Thompson, A., B.Sc. N.U.I.
Carrick, J., B.Sc. Glas.
Enoch, I. C., B.Sc. Wales.

Chemistry

Robinson, R. A., Ph.D. Birm., D.Sc. Birm. and N.Z., F.R.I.C. Prof.
Green, R. W., D.Sc. N.Z. Sr. Lectr.
Kiang, A. K., Ph.D. Camb., B.Sc. Lond., Dip.Sc., F.R.I.C. Lectr.
Huang, R. L., B.Sc. H.K., D.Phil. Oxon. Lectr.
Sullivan, E. P. A., M.Sc. Syd. Lectr.
Svasti, M. C. K., Ing.T.I.C.M. Brussels, M.Sc. Lectr.
Ang, K. P., M.Sc. Asst. Lectr.
Tong, Mrs. H., Dip.Sc. Tutor

Chinese Language and Literature

Ho, K. C., Lic. Sc. Nat. Aurora Sr. Lectr.
Jou Bienming, Dr.Phil. Hamburg Lectr.

Dermatology, v. *infra*

Economics

Silcock, T. H., M.A., D.Phil. Oxon. Prof.
Robertson, Jean M., M.A. Glas., Dip.Soc.Sci. (Soc. Trg.) Sr. Lectr.

Lecturers

Lim, T. B., M.A. Camb., Dip.Arts.
You, P. S., B.Sc. (Econ.), Ph.D. Lond.

* Member of the Association of Universities of the British Commonwealth.

Sherwood, P. W., B.Com. Lond.
Gamba, C., M.A. W.Aust.
Ungku Abdul Aziz, B.A., Dip.Arts.
Wells, A. F., B.Sc. (Econ.) Lond. (Soc. Trg.).
Siew, N. C , B.A. Asst. Lectr.

Education

Mason, F., M.A. Camb. Prof

Lecturers

Stewart, W. D. S., M.A., LL B., Ed.B. Glas.
Williams, D H. d'A , M.A. Camb , B.Litt. Oxon.
Henry, J. B., A.M. Mich. Unesco Fellow

English

Morrell, R. C. R., M.A. Camb. Prof.

Lecturers

Evans, E. C., B.A. Wales and Oxon.
de Chickera, E. B., B.Litt. Oxon.
Barker, Mrs. Mary B., M.A. Lond. and Edin.
Piloto, A. E., M.A. McG.
Painter, A. B., M.A. Camb
Copley, J., M.A., Dip.Ed. Leeds.

Assistant Lecturers

Clark, Mrs. Maria, B.A. Melb
Price, A. W., B.A. Rand
Mottram, E. N. W., B.A. Camb.

Geography

Dobby, E. H. G., B.A., Ph.D. Lond. Prof.

Lecturers

Ho, R., M.A. Lond., Dip.Arts.
Wheatley, P., M.A. Lond.
Dale, W. L., M.B.E., B.Sc. Lond.
Hodder, B. W., B.A. Oxon.
Lim, J. J., B.A Asst. Lectr.

History

Parkinson, C. N., M.A. Camb., Ph.D. Lond. Prof.

Lecturers

Stokes, E. T., M.A., Ph.D. Camb.
Macgregor, I A., M.A. Camb.
Tregonning, K. G., B.A. Adel., B.Litt. Oxon.
Sullivan, D. M., M.A. Camb., B.A. Lond., Ph.D. Harv.
Irwin, G. W., M.A., Ph.D Camb.

Malay Studies

Zainal Abidin b. Ahmad, B A Lond. Sr. Lectr.
de Josselin de Jong, P. E., Ph.D. Ley. Lectr.

Mathematics

Professors

Oppenheim, A., O.B.E , M A., D.Sc. Oxon., Ph.D. Chic. (Maths.)
Cooke, J. C., M A., Dip.Ed Oxon. (Appl. Maths.).

Lecturers

Guy, R. K., M.A. Camb., Dip.E. Birm.
Diananda, P. H., B Sc Lond., B.A , Ph.D. Camb.
Mayer-Kalkschmidt, J. W P., Dr. rer. nat Giessen
Milner, E. C., M.Sc. Lond.
Wicks, M. J., B Sc. Brist Asst. Lectr.

Medicine, v. *infra*

Midwifery and Gynæcology, v. *infra*

Pædiatrics, v. *infra*

Pharmaceutics

Caldwell, A. F., B.Pharm. Lond. Sr. Lectr. and Hd. of Dept.
Elliott, T. H., B.Sc. Rand Lectr.
Robertson, Mrs. Sheila (Temp.) Asst. Lectr.
Wan, S. C., B.Pharm. Nott. Asst. Lectr.
Hanam, J., Dip.Pharm. Tutor.

Philosophy

Hartland-Swann, J. J., B.A., Ph.D. Lond., B.Litt. Oxon. Lectr.

Physics

Webb, C. G., B.Sc. Lond.
Sr. Lectr. and Hd. of Dept.

Lecturers

Hon, Y. S., B.Sc. Lond., M.Sc.
Smith, Dorothy J., B.A. Camb.
Purslow, B. W., B.Sc., Ph.D. Lond., D.I.C.
Ward, G T., B.Sc. Glas , Ph.D Durh.
Ho, P. Y., M.Sc.
Thong, S. P , Ph D. Belf., B.Sc., Dip Sc.
Breitenberger, E., Dr.Phil. Vienna.

Physiology, v *infra*

Psychological Medicine, v *infra*

Radiology, v. *infra*

Social Medicine and Public Health, v. *infra*

Surgery, v. *infra*

Venereal Diseases, v. *infra*

Zoology

Purchon, R. D , B.Sc., Ph.D. Brist. Prof.

Lecturers

Chuang, S. H., M.Sc. Brist.
Johnson, D. S., M.A , Ph.D. Lond.
Hendrickson, J. R., B.S. Arizona, M.A., Ph.D. Calif.
Searle, A. G., B.Sc., Ph.D Lond.

Dentistry

Professors

Tickle, R. J. S., B.D.S. Syd., D.D.S., M.Sc. (Dent.) Tor (Dental Surgery).
Graham, C. H., M.D.S. Syd., D.D.S. Northwestern (Prosthetic Dentistry).

Lecturers

Oehlers, F. A. C., L.D.S., F.D.S.R.C.S. (D. Pathol.).
Jansen, J. A., L.D.S. (Prosthetic D).
Ollivere, J. D. F., B.D.S. N.U.I., H.D.D. Edin.
Goh, S. W., L.D.S.
Lee, E. C., L.D.S.
Eggers-Lura, F. Asst. Lectr.
Tay, M. H E , B.D.S Asst. Lectr.

Medicine

Anæsthetics

Hudson, E. G. Pt.-time Lectr.

Anatomy

Ellis, A. R., M.B., Ch.B. N.Z. Prof.

Lecturers

Thambipillai, V., Dip.Phy.Anth. Oxon., L.M.S.
Chang, K. S. F., M.Sc. Shanghai, Ph.D. Corn.
Mohiuddin, A., M.B., B.S. Osm., Ph.D. Lond.
Chang, Mrs. Kathleen A., M.B., Ch.B. N.Z., D.O.M.S. Lond.
Majeed, Ruby, B.Sc. W.Aust. Asst. Lectr.

Bacteriology

Hale, J. H., M.D., Ch.B. Birm. Prof.
Lim, K. A., B.Sc., M.B., Ch.B. Edin. Lectr.
Sambamurthi, C. M., M.B., B.S. Madr. Asst. Lectr.
Lee, L H., M.B , B.S. Asst. Lectr.

Biochemistry

Lugg, J. W. H., D.Sc. W.Aust., Ph.D. Lond., D.I.C., F.R.I.C. Prof.
Oliveiro, C. J., M.D., L.M.S. Sr. Lectr.
Bowness, J. M., B.Sc., Ph.D. Liv. Lectr.
McEvoy-Bowes, E., M.Sc. Dub. Asst. Lectr.

Dermatology

Menzies, R. D., M.B., Ch.B. Glas. Pt.-time Lectr.

Medical Jurisprudence

da Silva, L. S., Dip.Bact. Manc., L.M.S. Pt.-time Lectr.

Medicine

Ransome, G. A., F.R.C.P. Prof.
Danaraj, T. J., M.D., L.M.S. Lectr. and Chief Asst
Seah, C. S., M.B., B.S. Asst. Lectr.
Yeoh, S. A., M.B., B.S. Asst. Lectr.

Medicine, Clinical

Monteiro, E. S., M.D., L.M.S., D.C.H. Lond., F.R.F.P.S. Glas. Prof.
Khoo, O. T., M.D., L.M.S., F.R.F.P.S. Glas. Lectr.
Ho, G. L., M.B., B.S. Asst. Lectr.

Midwifery and Gynæcology

Sheares, B. H., M.D., L.M.S. Prof.
Goon, S. M., M B., B.S.

Ophthalmology

Williamson, A. D., M.B., Ch.B. Glas., D.O.M.S. Lond., F.R.C.S. Ed. Pt.-time Lectr.

Oto-Rhino-Laryngology

Au, K. H., L.M.S. Pt.-time Lectr.

Paediatrics

Quah, Miss Q. G., L.M.S., D.C.H. Lond. Pt.-time Lectr.

Parasitology

Sandosham, A. A., Ph.D. Lond., L.M.S. Prof.
Hoeppli, R. J. C., M.D. Kiel, D.Sc. Hamburg Visiting Prof.
Colless, D. H., B.Sc. Syd. Lectr.
Laird, M., Ph.D., D.Sc. N.Z. Lectr.

Pathology

Balasingham, T., L.M.S. Sr. Lectr. and Actg. Hd. of Dept.

Physiology

Glaser, E. M., M.D. Bratislava, Ph.D. Camb. Prof.

Lecturers

Lin, R. C. Y., B.Sc. Peking, Ph.D Camb.
Lee, T. S., Ph.D., Dip.Sc.
Toh, C. C., Ph.D. Lond., Dip Sc.
Cordero, N., M.D. Philippines W.H.O. Visiting Lectr.
Whittow, G. C , B.Sc. Lond. Asst. Lectr.

Psychological Medicine

Browne, J., M.B., Ch.B., B.A.O. Belf., D.P.M. Pt.-time Lectr.

Radiology

McPherson, D. R., B.Sc., M.B., Ch.B. Glas., D.M.R.E. Camb. Pt.-time Lectr.

Social Medicine and Public Health

Davies, T. A. L., M.D., B.S. Lond., F.R.C.P. Lond. Prof.
Nicholas, W. A., M.P.H. Johns H., L.M.S. Sr. Lectr.
Millis, Jean, M.Sc. Melb. (Appl. Nutrition) Sr. Lectr.
Danaraj, Mrs. Winifred, M.P.H. Harv., L.M.S., D.C.H. Lectr.
Polunin, I. V., D.M., B.Ch., M.A., B.Sc. Oxon. Lectr.
Mills, Rosemary, M.A. Camb. Lectr.
Kelley, Elizabeth, B.A. Wis., M.A. N.Y., Ed.D. Stan. W.H.O. Visiting Lectr.
Norris, J. T., B.Sc. Melb. W.H.O. Visiting Lectr.
Charles, Mrs. Enid, M.A. Camb., Ph.D. Cape T. W.H.O. Visiting Lectr.

Surgery

Mekie, D. E. C., M.B., Ch.B. Edin., F.R.C.S.Ed. Prof.
Cohen, Y., L.M.S., F.R.C.S. Lectr.
Vellasamy, K., L.M.S. Pt.-time Lectr.
Choo, J. E., M.B., B.S. Asst. Lectr.
Lawley, Mrs. Margery A., M.B., Ch.B. Edin. Res. Assoc.

Surgery, Orthopaedic

Cameron, J. A. P., M.Ch. (Orth.) Liv., F.R.C.S.Ed. Prof.

Karlen, A. G., M.D. Sweden Lectr. and Chief Asst.

Khong, B. T., M.S. Lectr.

Venereal Diseases

Ram, L. M., M.B., B S. Panj:, D.P.H. Lond. Pt.-time Lectr.

Social Research Unit

Kaye, B. L. B., B.Sc. (Econ.), Ph.D. Lond. Res. Fellow.

Burridge, K. O. L., M.A., B.Litt. Oxon., Ph.D. A.N.U. Res. Fellow.

Newell, W. H , M.A., N.Z. Res. Fellow.

ADMINISTRATIVE AND OTHER STAFF

Student Health Physician : H. B. M. Murphy, M.B., Ch.B. Edin., D.P.H. Lond. Asst. Registrars : H. D. Lewis, Dip.Arts ; Y. Y. Foo, Dip.Arts. Asst. Bursar : C. P. Lim. Accountant : E. Pereira, B.Com., B.Sc. (Econ.) Lond. Asst. Librarians : Mrs. Therese Kennard, M.A. Oxon. ; W. J. Plumbe, F.L.A. ; Jean M. Waller, M.A. Syd., F.L.A. Estate Officer : K. S. Cheng, B.Sc. H.K. Supervisor of Hostels : Phoebe E. Isaacson. Chairman, Appts. Bd. : E. H. G. Dobby, B.A., Ph.D. Lond. Vice-Chancellor's Sec. : M. de Souza. Registrar's Sec. : V. R. Grosse. Bursar's Sec. : T. S. Chan.

WARDENS OF HOSTELS. Men : Dunearn Road, N. C. Siew, B.A., C. M. Sambamurthi, M.B., B.S. Madr. ; F.M.S., C. J. Oliveiro, L.M.S. ; Tan Tock Seng, G. C. Whittow, B.Sc. Lond. ; Orange Grove Road, T. Elliott, B.Sc. Rand. Women : Dunearn Road, Mrs. Mary B. Barker, M.A. Lond. and Edin. ; Holne Chase, Ruby Majeed, B.Sc. W. Aust. ; Mount Rosie, Mrs. A. B. Khew, Dip. Arts.

GENERAL INFORMATION

The University was founded on Oct. 8, 1949, by Ordinances of the Governments of the Federation of Malaya and of the Colony of Singapore. It was formed by the fusion of two Colleges of Higher Education then existing in Singapore, The King Edward VII College of Medicine and Raffles College. Full University teaching began in Session 1949–50.

The bldgs. of the two former Colls. are still being used, but there has been considerable development on these sites. Discussions have been going on for some time on the future development of the Univ., both physical and academic, and there is no doubt that more accomm. will be provided soon. In view particularly of the heavy capital costs involved, the original scheme to erect completely new Univ. bldgs. on a site in Johore Bahru will almost certainly be abandoned in favour of dual development on the present sites in Singapore and on a new site in Kuala Lumpur, the capital of the Federation of Malaya. Discussions on this new proposal are still proceeding, but plans are already being considered for new bldgs. on the present sites in Singapore.

The Univ. is thus physically separated into two parts, the former Raffles Coll. site of about 80 acres containing the Admin. Offices and the Facs. of Arts and Sc., including a new Library Bldg. completed in July 1953, and the former Coll. of Medicine site containing the Fac. of Medicine.

INCOME. Total income for the year ending Dec. 31, 1953, £683,839 : Govt. grants, 82 per cent. ; Endowments, 5·1 per cent. ; tuition and examn. fees, 8·6 per cent. ; misc., 4·3 per cent.

FACULTIES AND DEANS. *Arts*, Prof. A. Oppenheim (Maths.); *Sci.*, Prof. J. C. Cooke (Appl. Maths.); *Med.*, Dr. D. W. G. Faris (whole-time Dean).

LIBRARY. The Library is in two parts—the main Libr. to cater for the Facs. of Arts and Sci., and the Med. Libr. situated on the Fac. of Med. site. The main Libr. contains some 40,000 books, apart from the Chinese collection of 80,000, and the Med. Libr. contains approx. 25,000.

LABORATORIES, MUSEUMS. There are departmental labs., a Public Health Museum and the Keith (Pathol.) Museum.

TEACHING HOSPITAL. The main Univ. teaching hosp. providing facilities for undergrad. or postgrad. teaching is the Govt. General Hosp. in Singapore; other hosps. used for teaching purposes are: Kandang Kerbau Hosp. (Mid. & Gyn.), Woodbridge Hosp. (Mental diseases), Middle Road Hosp. (V.D.), and Tan Tock Seng Hosp. (Infectious diseases). Certain Govt. hosps. in the Federation of Malaya are recognized as providing facilities for training prior to registration.

ENTRANCE REQUIREMENTS. The Univ. conducts its Entrance Examn. in March each yr. Applicants must ordinarily possess the Cambridge Sch. Cert. (in specified subjects), or the London Matriculation, or equivalent qualifications, and, in addition, have attended 4 terms of post-school cert. work in sch. Passes in appropriate subjects taken at Principal Level in the Higher Sch. Cert. may grant exemption from the Univ. Entrance and first yr. examns.

Non-graduating courses are provided in the Facs. of Arts and Sci. and admission to these is subject to approval of Senate.

DEGREE COURSES. 3 yrs.: B.A. Pass (4th yr. for Hons.), B.Sc. Pass (4th yr. for Hons.). 6 yrs.: M.B., B.S. 5 yrs.: B.D.S. Honours students must first take a Pass Degree.

HIGHER DEGREES. Open to grads., M.A., M.Sc. (1 yr.'s residence); Ph.D. (2 yrs.' residence); open to grads. of 3 yrs.' standing—M.D., M.S., M.D.S.; open to Masters or Doctors of Philos. of 5 yrs.' standing—D.Sc., D.Litt. Dipl. holders of the Coll. of Med. (L.M.S.) and of Raffles Coll. (Dip.Arts and Dip.Sc.) and grads. of other Univs. may also be admitted to higher degrees of the Univ.

DIPLOMAS. Pharm. (2 yrs.), followed by 2 yrs.' practical work. Educn. (1 yr.), open to grads. Pub. Health (1 yr.), open to med. grads. Soc. Studies (2 yrs.), open to grads. and suitable non-grads.

RESEARCH FACILITIES. There are ample facilities for res. in most depts.

FEES. Tuition, including Students' Union: for B.A. and B.Sc. courses, also Dipl. courses in Educn. and Soc. Studies, approx. £56 : 5s. p.a.; M.B., B.S. and B.D.S., also Dipl. courses in Pharm. and Pub. Health, £66 : 15s. p.a. Higher degrees, res. fees, between £17 : 10s. and £35 p.a. depending on the degree; examn. fees, M.A., M.Sc., M.Ed., £17 : 10s.; Ph.D., £23 : 5s.; D.Litt., D.Sc., M.D., M.S., M.D.S., £35.

ACADEMIC YEAR. The teaching session runs from first wk. in Oct. to first wk. in June, and includes 3 terms of 10 wks. Clinical students have vacation work in addition.

ADULT EDUCATION. An active interest is taken in the Adult Educn. movement in Singapore, members of the Univ. staff assisting in the teaching work.

SCHOLARSHIPS, BURSARIES, ETC. The Univ. offers annually 9 entrance scholps. on the results of the Univ. Entrance Examination. The Govts. of

Singapore and the Federation of Malaya offer bursaries to suitable candidates requiring financial aid. A Shell and a Lee bursary are available for the Social Studies course.

POSTGRADUATE AWARDS. The Govts. of Singapore and the Federation of Malaya offer the Queen's Scholps. and Fellowships (tenable for 2 to 3 yrs.). The Univ. awards the Liew Weng Chee Scholp. for 1 yr. for medical studies and a Shell Fellowship for res. in Fac. of Arts or Sci.

APPOINTMENTS BOARD. Chairman, Prof. E. H. G. Dobby (Geog.). A register of prospective candidates is kept and vacancies are normally communicated by circular.

GRADUATES' ASSOCIATIONS. The Stamford Club (for grads. of the former Raffles Coll. and Arts and Sci. grads. of the Univ.), and the King Edward VII Alumni Association (for grads. of the former Coll. of Med. and Med. grads. of the Univ.).

STUDENT RESIDENCES. For men: Dunearn Road, F.M.S., Orange Grove Road and Tan Tock Seng. For women: Dunearn Road, Mount Rosie and Holme Chase. (For Wardens *see* p. 1515.)

STUDENT HEALTH SERVICE. The Univ. operates a student health service under a full-time medical officer. Med. examn. is compulsory for 1st-yr. students and optional for others. Two dispensaries are available for routine treatment.

STAFF RESIDENCES. There are at present approx. 120 units of housing for academic staff. A block of 18 flats adjacent to the Raffles Coll. site and a block of 12 flats at the Med. Fac. are now being erected.

STUDENTS' UNION. The Students' Union came into existence on Foundation Day in Oct. 1949, with the fusion of the former Student Unions of the Raffles and Medical Colls. The admin. of the Union is vested in the Students' Council consisting of 25 to 30 students elected annually on a constituency basis. The annual elections take place in Nov. The Students' Council appts. an Executive Cttee. and such other standing and special cttees. as are provided for in its constitution.

There are societies to cater for the social, athletic and other activities of students, and these are well supported.

PUBLICATIONS. *Calendar* (Sept.), 7s.; *Annual Report* (Nov.), 2s. 4d.; *Gazette* (one for each of the 3 terms), 7d. (all compiled by the Registrar). The *Report* of the Cttee. of Enquiry on Medical Educn. in Malaya (Dec. 1953), 4s.

UNIVERSITY PRESS. The establishment of a Univ. Press is under consideration.

THE YEAR 1952–53

BENEFACTIONS. Endowment Appeal Fund, £579,000 approx. Contributions have been on a small scale for some time.

NEW BUILDINGS. Work on new Library bldg. on former Raffles Coll. site completed; Library formally opened on Oct. 10, 1953. Future building plans include construcn. of one block of flats on Raffles Coll. site and another on Medical Coll. site. Other new bldgs. to be undertaken by the Univ. and the Singapore Govt. jointly, are extensions to Dental Clinic; new Pathol. block; new bldg. incorporating quarters for med. officers and students as well as teaching accomm. at Kandang Kerbau Maternity Hosp.; and replacement of Tan Tock Seng Hostel.

NEW DEPARTMENTS AND POSTS. Teaching in Soc. Studies and Philos. began at the start of the session. The Hds. of the Depts. of Malay Studies and Chinese Lang. and Lit. took up appt. in April and July 1953, respectively, and teaching in these depts. commenced in Oct. 1953. Headships of new depts. of Engin. and Geol. advertised, and consideration being given to establ. of Depts. of Agric., Law, and Indian Studies. Additional appts. in existing depts. approved.

CHANGES IN REGULATIONS. New Regulns. governing Aegrotat Awards and introducing Philos. and Physiol. into B.Sc. course, the former at Inter. level.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. P. M. S. Blackett, Dr. D. H. Brinton, Sir Alexander Carr-Saunders, Dr. M. Critchley, Dr. D. W. Logan, Lond.; Prof. S. Chapman, Prof. Sir Howard Florey, Oxford; D. G. James, Vice-Chancellor, So'ton.; Prof. L. G. Huxley, Adel.; Sir Ivor Jennings, Vice-Chancellor, Ceyl.; Prof. L. Kuipers, Indonesia; Emer. Prof. W. P. Milne, Leeds; Prof. K. A. N. Sastri, Mys.; Prof. E. Titterton, A.N.U.; Prof. F. R. G. Heaf, Wales; and the Univ.'s External Examiners: Prof. W. Smith, Prof. H. Barcroft, and Prof. E. J. King, Lond.; Prof. S. F. Lumb, Q'ld.; Prof. H. A. Heilbronn, Brist.; Prof. O. R. Frisch, Camb.; and Prof. W. Mercer, Edin.

RESIGNATIONS. Prof. Strahan (Soc. Med.), apptd. to W.H.O.; Dr. P. H. Chee (Bact.); Mr. C. D. Falconer (Surg.); Dr. Mary L. Grove-White (Soc. Med.); R. W. R. Hoisington (Phys.); C. P. Wang (Phys.); L. Wang (Physiol.).

HONORARY DEGREES. *D.Litt.*—Dr. F. C. Benham, Economic Adviser to Commissioner-General for the U.K. *D.Sc.*—Sir John Lionel Simonsen, formerly Dir. of Colonial Products Res. Council, 1942–52. *LL.D.*—Dato E. E. C. Thuraisingham, Member for Education, Federation of Malaya; Prof. W. E. le Gros Clark, Oxford.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	706	..
Women	169	..
Total	875	..

Postgraduate students, 19.
New admissions, 120.
Students from other countries: U.K., 8; U.S.A., 2; India, 1.

DEGREES AWARDED. B.D.S., 4; M.B., B.S., 16; M.D., 1.

DIPLOMAS AWARDED. Dipl. in Educn., 12.

CERTIFICATES AWARDED. Cert. in Educn., 5.

[*Information compiled as at* 9/7/54.]

THE ROYAL UNIVERSITY OF MALTA*

Founded 1769; previously established as the College of the Society of Jesus, 1592

Postal Address: St. Paul Street, Valletta, Malta.
Telephone: Central 4201, Valletta 3217.

PATRON—H.M. THE QUEEN.

CHANCELLOR—H.E. THE GOVERNOR OF MALTA.

VICE-CHANCELLOR AND RECTOR MAGNIFICUS—J. A. MANCHÉ, B.Sc., M.D.

REGISTRAR—L. M. PACE, B.Sc.(Econ.) Lond.

SECRETARY—A. CAMILLERI.

FINANCE OFFICER—G. SOLER

LIBRARIAN—J. CASSAR PULLICINO.

TEACHING STAFF

Anatomy and Histology

Griffiths, V. G., B.Sc., M.D., F.R.C.S. Prof.

Biology

Vella, S. L., B.Sc., M.D., D.L.O., F.L.S. Actg. Lectr.

Chemistry

Farrugia, Ph., B.Sc., M.D. Prof.

Economics and Statistics

Cirillo, Rev. R., M.Sc. (Econ.) Lond., B.Sc. (Pol.) Louvain, B.A., D.D. Lectr.

Engineering and Architecture

Colombo, J., B.Sc., B.E. & A. (Archit.) Prof.

Terreni, Lt.-Col. J., O.B.E., B.E. & A. (Munic. Engin.) Prof.

Galea, V. R., M.A. Oxon., B.Sc., B.E. & A. (Civil Engin.) Prof.

English

Bliss, A. J., B.Litt., M.A. Oxon. Prof.

Greek, Classical

Seaston, Rev. G. J., M.A. Camb. Lectr.

Vella, Rev. Fr. A. P., B.Litt. Oxon., S.Th.L. Lectr.

Latin Literature

Coleiro, Very Rev. Can. E., Ph.D. Lond., B.A., B.L. Can., D.D. Prof.

Law

Gatt, V., LL.D. (Admin. L.) Lectr.

Apap Bologna, F. A., J.C.B. Pontif. Gregorian Vatican, B.Litt., LL.D. (Canon L.) Lectr.

Cremona, F., LL.D. (Comml. L.) Prof.

Busuttil, E., M.A., B.Litt. Oxon., LL.D. (Internat. L.), B.A. Lectr.

Caruana, V., B.Lit., LL.D. (Civil L.) Prof.

Caruana Curran, M., B.A., LL.D. (Course of Legal Procurators) Lectr.

* Member of the Association of Universities of the British Commonwealth.

Cremona, J. J., D.Litt. Rome, B A , LL.D., Ph.D. Lond., B A. (Const. L) Lectr
Mamo, A. J., B.A., LL.D. (Crim. L.) Prof.
Harding, H., B.A., LL.D. (Hist. of Legisln. in England and Malta) Lectr.
Ganado, J. M., B.A., Ph.D. Lond., LL.D. (Roman L.) Lectr.
Xuereb, J. H., LL.D. (Science of Law) Prof.

Maltese and Oriental Languages

Aquilina, J., Ph.D. Lond., B.A., LL.D. Prof.

Mathematics, Pure and Applied

Borg-Costanzi, E. J., M.A Oxon , B.Sc., B.E. & A. Prof.

Medicine and Surgery, v. *infra*

Philosophy

Sapiano, Most Rev. Mgr. J., Ph.D , S.Th.D , H.E.L Pontif. Gregorian Vatican Prof

Physics

Zahra-Neumann, C., B.Sc , M.D., D.C.H. Prof.

Physiology and Biochemistry

Ganado, W., B.Sc. Lond. and Malta, M.D. Prof.

Theology

Zarb, Very Rev. Fr. S. M., O.B.E., S.Th.M., S.Script.D. Pontif Gregorian Vatican (Dogm. T.) Prof.
Bonnici, Most Rev. Can. Mgr. C., B.L. Can., D.D. (Moral and Ascet. T.) Prof.
Saydon, Very Rev. Mgr. P. P., Lic.S.Script. Rome, B.Litt., B.L. Can., D.D. (Holy Script., Biblical Greek and Hebrew) Prof.
Bonnici, Most Rev. Can. Mgr. A., Hist.Ec.L. Rome, B.A., B.L. Can., D.D. (Hist. of the Church and Christian Archæology) Prof.
Lupi, Rev. J., Ph.L., B.L. Can., D.D. (Patrology and Liturgy) Lectr.
Tabone, Very Rev. Fr. P. (Canon Law) Prof.

Dental Surgery

..... Prof.

Operative Dental Surgery

Mangion, J. J., B.Sc., M.D , F.D S.R.C.S. Lectr.

Medicine

(for subjects of first 2 yrs — Anat., etc , v. *supra*)

Anæsthetics

Podestà, C. H., B.Sc., M.D., D.A. Lectr.

Bacteriology and Parasitology

Agius, E., B.Sc., M.D., D.P.H. Liv., D.Bact. Lectr

Diseases of the Ear, Nose and Throat

Vella, S. L., B.Sc., M.D., D.L.O., F.L.S Lectr.

Forensic M. and Toxicology

Galea, J., M.B.E., M.D., D.P.H. Lectr.

Materia Med., Pharmacol. and Therap.

Zammit-Maempel, J. V., M.D. Prof.

Medicine

Debono, J. E., B.Sc., M.D., F.R.C.P. Prof.

Mental Diseases

Vassallo, V., O.B.E., M.D. Naples, D.P.M. Prof.

Midwifery and Gynæcology

Zammit, O., M.Sc. Liv., M D. Prof.

Ophthalmology
Damato, F. J., M.D., D.O. Oxon., D.O.M.S., F.R.C.S. Lectr.

Orthopædics
..... Lectr.

Pathology
Xuereb, G P, D.Phil. Oxon., B Sc., M.D. Prof.

Social and Preventive Medicine
Coleiro, C., B.Sc., M.D., D.P.H., D.T.M. Liv. Prof.

Surgery
Craig, A. J., B.Sc., M.D., F.R.C.S. Prof.

Venereology and Dermatology
Briffa, R., B.Sc., M.D Lectr.

ADMINISTRATIVE AND OTHER STAFF

Acting Officer-in-Charge, Meteorol. Observatory: E. Craig, M.D. Acting Dir. Bot. Gardens: Prof. S. L. Vella, B.Sc., M.D., D.L.O., F.I.S. Asst. Librarian: S. Ellul.

GENERAL INFORMATION

The University began as a Jesuit College instituted in 1592 by Pope Clement VIII, who gave it the power of conferring degrees in Philosophy and in Theology. It is still housed in a building erected by the Jesuit Fathers. Its Medical Faculty originated in a School of Anatomy founded in 1674 by Grandmaster Nicolas Cottoner in the Great Hospital of the Order, which accommodated 745 patients. Fra Emmanuel Pinto de Fonçeca, Grandmaster of the Order of St. John of Jerusalem, with authority from Pope Clement XIV, raised the College to University status in 1769.

By an Ordinance promulgated in 1947, the Univ. is governed by a Council consisting of the Chancellor as President, the Vice-Chancellor and Rector Magnificus as Vice-President, a representative of the Inter-University Council for Higher Education Overseas, six members from the Legislature of Malta, six members elected by the Senate of the Univ., one member from the Guild of Graduates and three members appointed by the Chancellor in consultation with the Vice-Chancellor. A Senate consisting of fourteen members, twelve elected by the Faculties and two appointed by the Chancellor, to deal with questions regarding teaching and discipline, was also instituted by this Ordinance.

The Council is the supreme authority of the University.

LIBRARY. 16,000 vols. A public library close by the Univ. contains over 100,000 vols. and is rich in MSS. and rare editions of great historical interest. MUSEUM: Archæol. OBSERVATORY, full meteorol. equipment and seismograph. BOTANICAL GARDENS. HOSPITALS, available for Clinics: general (650 beds) and several special—Leprosy Hospital (80); Mental Diseases (800); Invalid and Old Age (1000); Pulmonary Tuberculosis (200).

FACULTIES AND DEANS. *Theol.*, Prof. S. M. Zarb; *Laws*, Prof. V. Caruana; *Med. and Surg.*, Prof. J. E. Debono; *Engin. and Archit.*, Prof. J. Terreni; *Arts*, Prof. J. Aquilina; *Sci.*, Prof. Ph. Farrugia.

MATRICULATION examn. requires pass in six subjects, including English (Language and Literature), Maltese, Mathematics and three other subjects which must include a lang., a Sci. subject and another subject at the choice of the candidates. Latin is obligatory for the Faculties of Arts, Laws, and Theology and, for the latter, also Greek, as from 1954. Courses start every three years. The next Inter. Course commences in October 1957.

DEGREES, ETC. B.A. (Hons.), B.A. (Gen.), B.Sc., B.Pharm., B.Arch., B.Eng., B.Ch.D., B.D., M.Arch., M.Eng., Lic.D., M.D., LL.D., D.D.; Dipls. of Notary Public, Legal Procurator, Education.

PUBLICATION. *Calendar* (Oct.).

THE YEAR 1952–53

NEW BUILDINGS. Building of the shell of the new Evans Labs. completed. Reconstruction of Chem. and Hygiene Labs. damaged by enemy action still in progress.

ADULT EDUCATION WORK. Grant of £500 from Colonial Development and Welfare Funds is being utilized to publish books in Maltese on various subjects for adult educn. classes. The first pamphlet was published in the course of the yr.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Dame Lillian Penson, to attend meetings of the Council in connexion with grants from C.D.W. Funds; A. Pifer, in connexion with Fulbright Scheme; Prof. S. Piggott (Edin.) and J. B. W. Perkins (British Sch. at Rome), to attend meeting of Archæol. Survey Cttee.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	282	37
Women	32	..
Total	314	37

DEGREES CONFERRED. B.Pharm., 42; B.Sc., 8; B.A. (Gen.), 9; B.A. (Hons.), 3; B.E. & A., 23; B.Arch., 3; LL.D., 21; M.D., 37; Lic.D., 7.

[*Information compiled as at June* 1954 ;
Staff list revised on 12/1/55.]

UNIVERSITY COLLEGE OF THE GOLD COAST*

Founded 1948

Postal Address : Achimota, Gold Coast, British West Africa.
Cables : Univcoll, Achimota.
Telephone : Achimota Exchange.

(London Office : 29 Tavistock Square, W.C.1. *Cables* : Goldvercol, London. *Telephone* : Euston 2119.)

CHAIRMAN OF COUNCIL—The Hon. Justice Sir K. A. KORSAH, C.B.E., M.A., D.C.L. Durh.

PRINCIPAL—D. M. BALME, C.M.G., D.S.O., D.F.C., M.A. Camb.

VICE-PRINCIPAL—G. I. SMITH, M.Sc. Lond.

REGISTRAR—M. DOWUONA, M.B.E., M.A. Oxon.

BURSAR—W. D. RUSSELL.

LIBRARIAN—A. ELISE WALKER, F.L.A.

DEAN OF CHAPEL—Rev. J. N. DUCKWORTH, M.A. Camb.

TEACHING STAFF

Agriculture

Phillips, J. F. V., D.Sc. Edin. Prof.

Senior Lecturers

Wilson, A. S. B., B.Sc. Edin.
Nye, P. H., M.A., B.Sc. Oxon.
Nyenhuis, E. M., B.Sc. Stell.
Smuts, S. J., M.Sc. Rand.
Corbett, G. G , B.Sc.Tech. Manc.
Twisleton - Wykeham - Fiennes, R. N., M.A. Camb.

Lecturers

Twum-Barina, K., B.A. Camb.
Rose-Innes, R., M.Sc. Rand.
Lansbury, T. J., B.Sc. Lond.
Hughes, R., M.Sc. Wales (Crop Production).
Fry, N. C. V., (Animal Health).
Weir, J., B.Sc. Durh. (Agric. Engin.).
Forbes, T. J., B.Sc. (Agric.) Belf. (Crop Husbandry).
Greenland, D. J., B.A. Oxon. (Soil Chemistry).

Research Fellows

Hagenziecker, F., M.Sc. (Agric.) Wageningen
Peacock, F. C., B.Sc. (Agric.) Durh.
Loxton, R., B.Sc.
Hill, P. R. Farm Manager.

Archæology

Lawrence, A. W., M.A. Camb., F.S.A. Prof.
Davies, O., M.A. Oxon., D.Litt. Dub. Reader.
Collings, H. D., B.A. Camb. Curator.
Nunoo, R. B. Asst. Curator.

Botany

Boughey, A. S., B.Sc. Lond., Ph.D. Edin. Prof.
Baker, H. G., B.Sc., Ph.D. Lond. Sr. Lectr.

* Associate Member of the Association of Universities of the British Commonwealth.

Lecturers
Adams, C. D., B.Sc. Lond.
Lawson, G. W., B.Sc. Lond.
Morton, J. K., B.Sc., Ph.D. Durh.
Holdsworth, M., B.Sc., Ph.D. Lond.
Madelin, M F, B Sc., Ph.D. Lond, A.R C.S.
Harris, B. J, B Sc., Ph.D. Wales.

Chemistry
Graham, J., B Sc., Ph.D. Lond. Prof.
..... Sr. Lectr

Lecturers
Torto, F. G. T. O'B., B.Sc., Ph.D. Lond.
Hulme, R., B.Sc., M.A. Oxon.
Blair, J. A., B.Sc. Glas.
Quartey, J. A. K., B.A., Ph D. Camb.
Bullen, G. J., B.Sc., Ph.D. Lond.

Classics
Kidd, D. A, M.A. Aberd. and Camb. Prof.
Howorth, R. H., M.A. Camb. Reader.
Astley, Sir Francis, B.A. Oxon. Sr. Lectr.

Lecturers
Ofosu-Appiah, L. H., M.A. Oxon.
Kwapong, A. A., B.A. Camb.
.....

Economics
Williams, J. W., M.Com. N.Z., Ph.D. Lond. Prof.
Birmingham, W. B., B.Sc. (Econ.) Lond. Sr. Lectr.

Lecturers
Bevin, H. J., B.Sc. (Econ.) Lond.
Price, J. H., M.A. Oxon.
Davison, R. B., B.Sc. (Econ.) Lond.
Davies, S G., LL.B. Brist.

Research Fellows
Niculescu, B. M., M.A. Camb., B.Sc. (Econ.) Lond. Sr. Res. Fellow.
Rado, E. R., B Sc (Econ.)

English
Walton, G., M.A, M.Litt. Camb Sr. Lectr.

Lecturers
Stock, T. A., B.A Oxon.
Storch, R. F., B.A. Oxon.
Lamb, S. S., B.A McG.
Dunn, T A, M.A, Ph D Edin

French Studies
Lawrenson, T E, M.A, Ph D. Manc. Sr. Lectr.

Lecturers
Winterbottom, J. A, B.A. Lond.
Wardman, H. W., B A., Ph D. Lond.
Purkis, Helen, M.C, M.A. Oxon., D. de l'U. Paris

Geography
Varley, W. J., M.A. Wales, Dr.Phil. Copenhagen Prof.

Lecturers
Hilton, T. E., M.A Manc.
Boateng, E A., M.A, B Litt. Oxon.
Clayton, R. W., B.A. Sheff.
White, H. P., M.A. Lond.

Geology
McCallien, W. J., D.Sc. Glas. Prof.

Lecturers
Anderson, M. M., B.Sc. Wales.
Bruckner, W. D, Dr.Phil. Basle.
Burke, K. C., B.Sc., Ph.D. Lond.
Smit, A. F. J., M.Sc Amst.

History
Fage, J. D., M.A., Ph.D. Camb. Sr. Lectr.

Lecturers
Metcalfe, G. E., M.A. Oxon.
Lander, J. R., M.A., M.Litt. Camb.
Coombs, D. S., B.A., Ph.D. Lond.
Priestley, Margaret A., M.A. Camb., B.Litt. Oxon.
Sprigge, R. G. S., M.A. Camb.

Jones, D. H., M A. Liv. (seconded from the School of Oriental and African Studies).

Mathematics

Blaney, J. H., M.Sc., Ph.D. Lond. Prof.
..... Sr. Lectr.

Lecturers

Campbell, M. O'N., M.A. Camb.
Clarke, L. E., M.A., Ph.D. Camb.
Heymans, P., B.A., Ph D. Lond.
Wilson, D. H , M.Sc. Lond.

Philosophy

Taylor, D., M.A., Melb., M.A. Oxon. Prof.

Lecturers

Tulloch, Doreen M., M.A., Ph D. St. And
Gibbons, P. C., B.A. Syd., B.Phil. Oxon.
Collins, E. F., B.A. Camb.
Wilks, I. G., B.A. Wales.

Phonetics

Lecturers

Strevens, P. D., B.A. Lond.
McCallien, Mrs. Catherine, M.A. Glas.
Spicer, A., B.A. Lond., L. ès L. Poitiers.

Physics

Huntley, H. E., B.Sc. Brist., Ph.D. Rand Prof.

Lecturers

Ward, L., M.Sc. Sheff.
Koster, Rev. J. R., M.S. De Paul.
Burns, D. M., B.Sc., Ph.D. St. And.
Ward, A. H., B.Sc., Ph.D. Birm.
Hutton, V. Rosemary S., M.A. St. And.

Sociology

Busia, K. A., B.A. Lond., M.A., D.Phil. Oxon. Prof.

Lecturers

Tait, D., B.A., Ph.D. Lond.
Jahoda, G., M.Sc. (Econ.), Ph.D. Lond.
Goodland, T M., B.Sc. (Econ.), M.Sc. Lond.
Nketia, J. H., B.A. Lond. Res. Fellow.

Theology

..... Prof

Senior Lecturers

Baeta, Rev. C. G., O.B.E., B.A., B.D. Lond.
Williamson, Rev. S. G., M.A. Birm.
Pyle, Rev. E. H , M.A. Camb. Lectr.

Zoology

Edwards, E. E., M.Sc. Lond., D.Sc. Wales Prof.

Senior Lecturers

Tazelaar, Mary A., M.Sc. Lond.
Gauld, D. T., B.Sc., Ph.D. Edin.

Lecturers

Stride, G. O., B.Sc , Ph.D. Brist.
Belfield, W., M.Sc. Manc.
Booth, A. H., B.A. Camb.
Buchanan, J. B., B.Sc. Aberd.
Thomas, J. D , B.Sc. Wales.
.....

Extra-Mural Studies

Kimble, D., B.A. R'dg. (seconded from Univ. of Oxford, Delegacy of Extra-Mural Studies) Dir.
Jones-Quartey, K. A. B., A.M. Col. Asst. Dir.

Resident Tutors

Austin, D. G., B.A. Lond.
de Graft-Johnson, J C., B.Com., M.A., Ph.D. Edin.
Tordoff, W., B.A. Camb.
.....
.....

Institute of Education

Lewis, L. J., B.Sc. Wales Prof.
Hilliard, F. H., B.D., Ph.D. Lond. Sr. Lectr

Lecturers
Taylor, A., M.A. N.Z.
Oddoye, J. G., M.A. Camb.
Lusty, Margaret M., M.A. N.Z., Ph.D. Lond.
Black, Mrs Megan E. G., M.A. Wales.

ADMINISTRATIVE AND OTHER STAFF

Sr. Med. Officer: J. M. Wilson, M.D. Lond., D.T.M. & H. Med. Officer: A. M. Boyd, B.Sc., M.B., Ch.B. St. And., D.T.M. & H. Sr. Asst. Registrar: ..... Asst. Registrars: A. M. Reeder, M.A. Oxon.; J. H. Tomson, B.A. Wales; E. Hughes, B.A. Wales; D. D. Aldridge, B.A. Oxon. Asst. Bursar: S. Grey. Accountant: F. G. Vanderweele. Sub-Librarian: Olive Carpenter, B.A. Lond., F.S.A.L.A. Asst. Librarians: R. S. Burkett, M.A. Camb.; G. N. Howe, B.A. Camb. Sec. to Inst. of Educn.: Rosemary M. Cave. Manciple: G. A. Deegan.

LONDON OFFICE. W. G. Sewell, M.Sc. Leeds, Asst. Registrar (Lond.).

GENERAL INFORMATION

The College is an independent institution, governed by a Council which was incorporated by the University College of the Gold Coast Ordinance (Gold Coast No. 6 of 1948). The Senate consists of all full-time teaching, research and admin. officers above a certain seniority. The Facs. and Fac. Bds., the Financial Bd., and other bodies, all consist of members of the Senate. The duty of submitting resolutions to the Senate is entrusted to a Council elected by the Senate and advised by a General Bd. of the Facs., the Financial Bd., and a Bd. of Delegates (representing the Halls of Residence).

A site of five sq. miles, near Accra, presented by the Govt., is being developed for the permanent bldgs. of the Coll. The first phase of development provides for a fully residential Coll. of 1000 students. The ultimate development is planned for 5000 students. Meanwhile the Coll. has been housed in bldgs. of the Achimota School and in temporary bldgs. in the same area. Grants totalling £1,897,000 have been made by the Gold Coast Cocoa Marketing Board for the development of Agric. and for general purposes. In addition, the Govt. has made grants for bldg. and equipment totalling £4 million. A grant of £400,000 has been made from Colonial Development and Welfare funds towards a Hall of Residence.

The Coll. was admitted in 1948 to special relationship with the Univ. of London as envisaged in the Asquith Commission's Report on Higher Education in the Colonies, 1945.

INCOME. The College's annually recurrent expenditure is met largely from Govt. grants determined quinquennially. The total recurrent grant for the quinquennium 1953–58 is £3,049,000.

DEGREE COURSES are provided for Honours, Special and General London Degrees in Arts, Sci., Divinity, Econ. and Agric. Graduate students and full-time teaching or research officers of the Coll. may register for the Ph.D. degree of London under the internal regulations.

FACULTIES. Agric. Arts, Biol. Scis., Phys. Scis., Soc. Studies.

The Institute of Education gives courses for the London Postgrad. Cert. in Educn. and for a College Associate Cert. (for experienced non-graduate teachers only).

LIBRARY. Building-up grant of £100,000 has been made for books and periodicals, in addition to grants for equipment and annually recurrent ex-

penses. 70,000 books have been acquired up to date, and 1500 periodicals are taken. Special West Africa collection.

A NATIONAL MUSEUM is being developed in assocn. with the Dept. of Archæol.

ADMISSION. Entry through annual competitive examns. to Inter. or Post-Inter. courses. Candidates must have satisfied the entry requirements of the Univ. of London. Admission is open to men and women of all nationalities and races.

RESIDENCE. All students are required to reside full-time in Coll., undergraduates for at least 3 yrs.

FEES. Inclusive fee for tuition and residence for undergraduates, £100 p.a.; for research students, £150-£200.

LANGUAGE OF INSTRUCTION. English.

TERMS. Ten weeks each. Michaelmas: Oct. to Dec.; Lent: Jan. to March; Trinity: April to June.

PUBLICATIONS. *Principal's Report*, 1948–52, 3s. 6d.; *Annual Report*; *Gold Coast Education* (published by Inst. of Education thrice annually); *Universitas* (thrice annually), 1s.

THE YEAR 1952–53

NEW BUILDINGS. Legon Hall completed and occupied by 190 students and 8 resident Fellows. Work was begun on the second and third Halls of Residence and other bldgs.

AGRICULTURAL RESEARCH STATION. An area of 1000 acres at Nungua was obtained on long lease for the development of agric. res.

EXTRA-MURAL WORK. 131 sessional classes, 5 ten-day residential courses, 18 residential week-end conferences, a number of special lectures and courses, including lunch-hour lectures for civil servants.

VISITS BY MEMBERS OF STAFF OF OTHER UNIVERSITIES. Prof. S. J. Davies, Lond.; Prof. K. Davies, Col.; D. E. Apter, Prin.; Sir James Duff, Durh.; Dr. D. Veale, Oxford; Prof. W. A. Lewis, Manc.; Prof. M. J. Herskovits, Northwestern; Dr. F. M. Snowden, Howard; Prof. C. M. Yonge, Glas.; Prof. M. M. Cooper, Prof. L. J. Andus, Dr. W. E. Duncanson, Prof. G. Williams, and Prof. J. L. d'Silva, Lond.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	454	..
Women	26	..
Total	480	..

Students for the Associate Courses, 27.

DEGREES, ETC. (Special relationship with Univ. of Lond.) B.A. (General), 12; B.A. Hons., 16; B.Sc. (General), 10; B.Sc. Special, 5; Post-grad. Cert. in Educn., 3; London External B.Sc. (Econ.), 7.

CERTIFICATES. Associate Cert. for non-graduate teachers, 24.

UNIVERSITY COLLEGE, IBADAN*

Founded 1948

Postal Address: Ibadan, Nigeria, British West Africa.
Cables: University, Ibadan.
Telephone: Ibadan 210-2.
(London Representative, 1 Gordon Sq., W.C.1. *Telephone*: Langham 2705.)

CHAIRMAN OF COUNCIL—Sir SIDNEY PHILLIPSON, C.M.G., M A. Manc.
PRINCIPAL—J. T. SAUNDERS, M A. Camb., Hon D.C.L. Oxon.
VICE-PRINCIPAL—N. S. ALEXANDER, M.Sc. N.Z., Ph D Camb.
REGISTRAR—S. O. BIOBAKU, M.A. Camb., Ph.D. Lond.
LIBRARIAN—W. J HARRIS, B A. Oxon.

TEACHING STAFF

Agriculture, v. *infra*

Biology

Elgood, J. H, M.A. Camb. Sr. Lectr.

Botany

Sansome, F. W, Ph.D. Edin., F.L.S. Prof.

Lecturers

Njoku, E., B.A. Lond., M.Sc. Manc., F.L.S.
Berrie, G. K., B.Sc. Manc.
Fox, Margaret E., B.Sc. Lond.

Chemistry

Bevan, C. W. L., B.Sc. Wales, Ph.D. Lond. Prof.
England, B. D., M.Sc. N.Z., Ph.D. Lond. Sr Lectr.

Lecturers

Hirst, J., B.Sc., Ph.D. Lond.
Foley, A. J., B.A., B.Sc. N.U.I.
Baker, A. F., M.Sc. N.Z.
Rees, A. H., M.A. Camb.
Fayiga, T. O., B.Sc. Lond. Demr

Classics

..... Sr. Lectr.

Lecturers

McKay, K. L., B.A. Syd. and Camb.
Bowman, A. I., M.A. Glas.
Hands, A. R., B.A. Oxon. (Anc. H.).
Bradshaw, A. T. von S., B.A. Dub.

English

Mahood, Molly M., M.A Lond. and Oxon. Prof.

Lecturers

Green, Joyce M., B.A. Brist., Ph.D. Camb., Dip Ed.
Brosnahan, L. F., M A. N.Z.
Brown, Mrs. Leila, M.A. Lond.
Rodger, A., M.A. Edin.
Uldall, H. J., A.M. Col. (Phonetics) Sr. Lectr.

* Associate Member of the Association of Universities of the British Commonwealth.

Geography

Garnier, B. J., M.A. Camb. Prof.

Lecturers

Pugh, J. C., M.A. Camb.
Prothero, R. M., M.A. Wales
Mitchel, N. C., M.A. Belf.
Morgan, W. B., M.A. Oxon., Ph D Glas.

History

Lecturers

Dike, K. O., B.A. Durh., M A Aberd , Ph.D. Lond.
Anstey, R. T., M.A. Camb.
Saxton, W. E., B.A. Camb.
Bradshaw, Mrs. Jean M., B.A. Lond.

Mathematics

Atkinson, F. V., M.A., D.Phil. Oxon. Prof.

Lecturers

Obi, C., M.Sc. Lond., Ph.D. Camb.
Denniston, R. H. F., M.A. N.Z., M.A., Ph.D. Camb.
Zulauf, A., Dr.rer.nat. Mainz
Tillmann, H. G., Ph D. Mun
Oyelese, J O , B.Sc Birm. Asst. Lectr

Medicine, v. *infra*

Mycology

Sansome, Mrs. Eva R., M.Sc. Durh., D.Sc. Manc. Res. Fellow.

Parasitology

Onabamiro, S. D., B.Sc. Manc., Ph.D. Lond., F.L.S. Lectr

Physics

Alexander, N. S , M.Sc. N.Z., Ph.D. Camb. Prof

Lecturers

Wright, R. W. H., Ph.D. Lond.
Brown, R. A., B.Sc. Lond.
Skinner, N. J., B.Sc. Nott.
Bastin, J. A., B.A. Oxon.
McKeown, H. D. J., B.Sc. Belf.

Religious Studies

Galloway, A. D., M.A., B.D. Glas., Ph.D. Camb., S.T.M. N.Y
Parrinder, Rev. G., M.A., M.Th., Ph.D , D.D. Lond. Sr. Lectr.

Scientific French and German

Cohne, Margaret, L. ès L. Lille Lectr.

Zoology

Webb, J. E., D.Sc., Ph.D. Lond. Prof.
Elgood, J. H., M.A. Camb. Sr. Lectr.

Lecturers

Webb, Mrs. Gwenlilian C., B.Sc. Lond.
Clausen, H. S., M.Sc. Copenhagen
Harris, V. A. P., B.Sc. Lond.
Harley, Margaret B., B.Sc , Ph.D. Lond

Agriculture

..... Prof.
Ebes, K., Dr.Ir. Wageningen (Trop. Agric.) Sr. Lectr.

Lecturers

Hill, D. H., D.V.M. Tor. (Animal Husbandry).
Caswell, J. H., B.Sc. Lond. (Agric. Entomol.).
Jackson, R. M., B.Sc. Lond. (Plant Pathol.).
Oyenuga, V. A., B.Sc., Ph.D. Durh. (Animal Nutrition).
Alexander, Mrs. F. Elizabeth, M.A., Ph.D. Camb. (Soil Sci.).

Medicine

Anæsthetics

Edwards, Phyllis M., B.Sc. W.Aust., M.B., B.S. Lond., F.F.A.R.C.S. Sr. Lectr.

Anatomy

Smith, A. Prof.
Fernand, V. S. van V., Ph.D. Lond., L.M.S. Ceyl. Sr. Lectr.
..... Lectr.

Medicine

Brown, A., M.B., Ch.B. Edin., F.R.C.P.Ed. Prof.
Lauckner, J. R., M.B., Ch.B. Edin., F.R.F.P.S. Glas. Sr. Lectr.
Tompkins, A. B., M.B., B.S. Lond. Lectr.

Obstetrics and Gynæcology

Lawson, J. B., M.A., M.B., B.Chir. Camb. Sr. Lectr.
Lister, Una G., M.B., B.S. Lond Lectr.

Pathology

..... Sr. Lectr.
Edozien, J. C., B.Sc. Lond., M.Sc., M.B., B.Ch., B.A.O. N.U.I. (Clin. Biochem.) Lectr.

Pharmacology

Broadbent, J. L., M.D. Leeds Sr. Lectr.

Physiology

..... Prof.
Nicol, D. S. H., M.A., M.B., B.Chir. Camb. Lectr.
Dosekun, F. O., B.A. Dub., B.Sc. Lond., F.L.S. Lectr.

Preventive and Social Medicine

Ajose, O. A., M.D. Glas., D.P.H. Prof.

Radiology

..... Lectr.

Surgery

Joly, Beatrice M., M.D. Lond., F.R.C.S.Ed. Prof.
Konstam, P. G., M.D. Frankfort, F.R.C.S.Ed. Sr. Lectr.
Thomas, H. O., M.B., Ch.B. Birm., F.R.C.S. Sr. Lectr.

Extra-Mural Studies

Raybould, S. G., B.Sc. (Econ.), Ph.D. Lond. Visiting Dir.
Ogunsheye, A., B.Sc. (Econ.) Lond. Dep. Dir.
Bartram, A. W. Visual Aids Organizer.

Tutors

Beier, H. U., B.A. Lond.
Bradfield, J. E. D., B.Sc. (Econ.) Lond.
Reid, D. I., B.A. Camb.
Ogwuazor, F. J., B.A. Lond.
Okoniya, C., B.A. Lond.
Moore, G. H., B.A. Camb.

W. African Institute of Social and Economic Research

..... Dir.

Research Fellows

Dike, K. O., M.A. Aberd., Ph.D. Lond.
Tanburn, Elizabeth, M.A. Lond.
Lloyd, P. C., B.A., B.Sc. Oxon.
Hawkins, E. K., B.Sc. Lond., B.Phil. Oxon.
Williams, P. M., B.Sc. Lond.
Hair, P. E. H., M.A. Camb.
Warmington, W. A., B.A. Brist.
Ardener, E. W., B.A. Lond.
Baldwin, K. D. S., M.A. Oxon.
Ruel, M. J., B.A. Camb.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar (Academic) : D. W. Andreas, M.A. St. And. Asst. Registrar (Finance) : H. Preston. Financial Asst. : N. C. Bourne, B.Com. Lond. Asst. Registrar (Students) : N. K. Adamolekun, B.A. Lond. Asst. Registrar (London) : K. S. Lambert, F.L.A. Domestic Bursar : M. A. George. Maintenance Officer : ..... Electrical Engineer : F. Vocking. Motor Transport Officer : N. G. Brebner. Setting-out Engineer : V. S. C. Price. Chief Cataloguer : Doris K. Forsythe, B.A. Belf., F.L.A. Reference Librarian : .....

Principal's Sec.: E. M. Rogers, B.A. Camb. Personal Asst. to Registrar: Margaret E. Higgs, B.A. Lond. Chief Clerks: L. A. Ilegbodu; ..... Sec. to West African Inst. of Social and Econ. Research: P. J. C. Dark, A.M., Ph.D. Yale. Farm Manager: M. C. Hattersley.

GENERAL INFORMATION

University College, Ibadan, is an autonomous institution. The financial management is in the hands of a Council, representative of both Nigeria and the United Kingdom. Teaching and Research is the charge of an Academic Board of which the heads of all departments are members. The Board is represented on the Council. The College was opened in Jan. 1948, and in Sept. 1948 the Provisional Council was incorporated by Government Ordinance. A grant has been made under the Colonial Development and Welfare Act towards the cost of the permanent buildings. The Nigerian Government has endowed the College and makes an annual grant. In addition, endowments amounting to £1,175,000 have been received from the Nigerian Cocoa Marketing Board. An Endowment Fund Appeal has been launched.

FACULTIES AND DEANS. *Agric.*, Dr. D. H. Hill; *Arts*, Prof. B. J. Garnier; *Medicine*, Prof. A. Brown; *Sc.*, Prof. C. W. L. Bevan.

LIBRARY. Over 75,000 vols. in Arts, Sciences, Med. and Agric.; subscribes to 1200 current journals. Special collections include W. African Hist. and Ethnol., Trop. Agric. and Trop. Med. The Library is legal depository for all Nigerian publications.

LABORATORIES, FIELD STATIONS, ETC. The Fac. of Agric. has its teaching, research and admin. bldgs. and its own farm on the permanent site of the Coll. On the farm, soil survey, crop and animal production are actively proceeding and a small dairy herd of Zebu stock, as well as poultry, swine, sheep and goats, is maintained. A considerable area is under mechanized cultivation. As part of research into moisture conditions in Nigeria, measurements of evapo-transpiration at ten installations, covering the Niger Delta to the northern frontier, are being made.

A BOTANICAL GARDEN of 80 acres is being developed. Mainly West African plants are being grown, but there is an arrangement of exchange and testing of economic plants with the U.S.D.A., and an index seminum is published annually.

TEACHING HOSPITAL. The construction of a teaching hospl. has commenced. Until it is operating clin. students proceed overseas. In the meantime, clin. routines and res. are carried out in one Govt. and one Native Authority hospl.

The WEST AFRICAN INSTITUTE OF SOCIAL AND ECONOMIC RESEARCH is located in the Coll. The Institute is affiliated to the Univ. Colls. of Ibadan, Nigeria, and the Gold Coast. Negotiations for a wider affiliation are in progress. The staff at present consists of four economists, one historian and four anthropologists.

LANGUAGE OF INSTRUCTION. English.

ADMISSION. Students are required to pass the College Entrance Examn., for which they are ordinarily eligible only if they have passed the Cambridge School Certif. with passes at credit standard, or a G.C.E. with passes at ordinary level in Engl., Elem. Maths. and 3 other subjects.

TERMS. There are three terms in the academic year, which lasts from Oct. until June.

FEES. £95–£130 p.a. These fees cover board and tuition. All students are resident.

SCHOLARSHIPS, ETC. Fees plus £50 p.a. for remainder of course awarded by College on Inter. examn. in any Fac.; Nigerian Govt. awards annually 10 State Scholps. covering fees and with allowance of £50 p.a. for duration of course; fees plus £35 p.a. and vacation allowances (Nigerian Cocoa Marketing Bd.) open to sons and daughters of cocoa farmers. The Federal and Regional govts. award Bursaries similar to those of the N.C.M.B., to selected students in any Fac.

DEGREES. The College has been admitted to a special relationship with the Univ. of London, and courses of instruct. are given in preparation for degrees of this Univ. The Coll. staff co-operate with the Univ. of London in preparing syllabuses and in the examns.

Students are prepared for the B.A., B.Sc. and B.Sc. (Agric.) degrees. Hons. courses (in Arts and Science) require 1 yr.'s further residence. Postgrad. and res. facilities are available in Sci. and Agric. Full-time members of the teaching staff may register as internal students for the Ph.D. degree of the Univ. of London.

VACATION COURSES, involving residence in the Coll., are conducted during the Long Vacation by the Dept. of Extra-Mural Studies.

The APPOINTMENTS BOARD (Sec., N. K. Adamolekun, B.A.) makes arrangements for sending students overseas for supplementary courses.

ADULT EDUCATION. The Dept. of Extra-Mural Studies arranges classes throughout the three regions of Nigeria, the work being financially supported by the Regional Governments.

RESIDENCES. There are 3 Halls of Residence for men and one for women students. Partly furnished staff residences of varying types are provided in the College grounds.

The STUDENT HEALTH SERVICE is under the supervision of the Prof. of Med.

The UNION controls all student athletic and other extra-curricular activities. Student officers are elected annually.

The GUILD OF GRADUATES has been constituted for membership of which all grads. of the Coll. and all grad. members of staff are eligible.

PUBLICATIONS. *Calendar* (annual, 3s. 6d.); *Annual Report*; *Library Record* (monthly); *University Herald* (student; terminal); *News & Views* (Dept. of Extra-Mural Studies).

THE YEAR 1952–53

NEW BUILDINGS. Work on bldgs. on permanent site continued; during long vacation the main move took place of Admin. and Teaching depts. to new bldgs. All students live in Halls on new site and the majority of staff are also resident there. Only the Library and Dept. of Extra-Mural Studies remain on old site.

EXTRA-MURAL WORK. 203 classes throughout Nigeria were held and a total of 5529 students enrolled, which is an increase of over a thousand over

the previous yr. During the long vacation, courses on Local Govt., Teaching Aids, Industr. Relations, Journalism and West African Culture were held in Ibadan. Nine-month training courses for Local Govt. officers are run by the Extra-Mural Dept. on behalf of the Eastern and Western Regional govts.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	370	..
Women	11	..
Total	381	..

1 postgraduate student.
New admissions, 107 men, 5 women.
Students from other countries, 9 (from Gambia, 1; Sierra Leone, 6).

DEGREES AWARDED (Special relationship with Univ. of Lond.). *Arts*: B.A. Gen., 13. *Science*: B.Sc. Gen., 17; B.Sc. Special, 1.

[*Information compiled as at* 10/7/54.]

MAKERERE COLLEGE
THE UNIVERSITY COLLEGE OF EAST AFRICA*

Postal Address: P.O. Box 262, Kampala, Uganda, British East Africa.
Telegraphic Address: Makcol, Kampala.
Telephone: Kampala 2471.

VISITOR—H.E. Sir ANDREW B. COHEN, K.C.M.G., K.C.V.O., O.B.E., M.A. Camb.

CHAIRMAN OF COUNCIL—J. B. HUTCHINSON, C.M.G., Sc.D. Camb., F.R.S.

PRINCIPAL—BERNARD DE BUNSEN, M.A. Oxon.

VICE-PRINCIPAL—Professor F. B. WILSON, M.B.E., M.A. Camb.

ACADEMIC REGISTRAR—P. F. VOWLES, M.A. Oxon.

LIBRARIAN—JULIE E. I. LARTER, B.A. Lond., F.L.A.

TEACHING STAFF

Agriculture

Wilson, F. B., M.B.E., M.A. Camb., Dip.Agric. Camb., A.I.C.T.A. Prof., Dean, Fac. of Agric.
Keay, Margaret A., M.A. Cape T., Ph.D. Camb. Reader.
Joy, F. L., B.Sc. (Econ.) Lond. Lectr.
Wilson, P. N., M.Sc. Lond. Lectr.
Huxley, A., B.Sc. R'dg. Asst. Lectr

Art

Trowell, Mrs. K. Margaret, M.B.E. Sr. Lectr., Hd. of Sch.
Willings, J. W., D.A. Manc Lectr.
Maloba, G. P. Asst. Lectr.

Biology

Beadle, L. C., M.A. Camb. Prof.
Lind, Edna M., B.Sc., Ph.D. Liv. Dean, Fac. of Sci., Reader.
Calder, E. A., B.Sc. Leeds Lectr.
Milburn, T. R., B.Sc. Durh Lectr.
Hartland-Rowe, R. C. B., B.Sc. Lond. Asst. Lectr.
Tallantire, Miss A. C., B.Sc. Durh. Asst. Lectr.
Poole, D. F. G., B.A., Ph.D. Brist. Asst. Lectr.
Wasawo, D., B.A. Oxon. Asst. Lectr.

Chemistry

..... Prof.
Naylor, R. F., B.Sc., Ph.D. Lond., D.I.C., F.R.I.C. Sr. Lectr.
Wilson, J. M., M.Sc. Belf. Sr. Lectr.
Peal, W. J., B.Sc., Ph.D. Lond. Lectr.
Williams, J. F. A., B.Sc., Ph.D. Lond. Asst. Lectr.

* Associate Member of the Association of Universities of the British Commonwealth.

Education

Lucas, E. A., M.A. Camb.
Dean, Fac. of Educn., Prof.
Gale, H. P., B.A. Lond.
Sr. Lectr.

Lecturers

Lule, Y. K., B.Sc. S.A., B.Ed. Edin.
McAdam, Mrs. Hrothgarde L. M., M.A. Camb.
Engholm, Mrs. E., M.A. Camb.
Owen, J. W., B.Sc. Wales.

English

Warner, A. J., M.A. Camb., Ph.D. Rand
Dean, Fac. of Arts, Prof.
Harris, R. G., B.A. Brist. Lectr.
Macpherson, Mrs. Margaret, M.A. Oxon. Lectr.
Wilshere, A. D., B.A. Lond.
Lectr.
Dane, P., B.A. Lond.
Asst. Lectr.
Warner, Mrs. Phyllis, B.A. Liv., M.A. Rand Asst. Lectr.

Geography

Baker, S. J. K., M.A. Liv. Prof.
Carney, Rev. Father G., M.A. Camb. Pt.-time Lectr.
McMaster, D. N., B.A. Oxon.
Lectr.
Langlands, B. W., B.A. Lond.
Asst. Lectr.

History

Ingham, K., M.C., M.A., D.Phil. Oxon. Sr. Lectr.
Beachey, R. W., B.A. Qu., Ph.D. Edin. Lectr.
Low, D. A., M.A. Oxon.
Asst. Lectr.
Bellord, Joan E. M., M.A. Lond.
Asst. Lectr.

Mathematics

Welter, C. P., M.Sc. Rand
Reader.
Hudd, Mrs. Mildred E. M., B.Sc. Wales Sr. Lectr.
Khabaza, I. M., M.A. Nott.
Lectr.
Arscott, F. M., M.Sc. Lond.
Asst. Lectr.

Physics

Andrews, J. P., D.Sc. Lond., F.I.P. Prof.
Beadle, Mrs. Sydney F., B.Sc. Lond. Lectr.
Harrison, L. E., M.A. Camb.
Lectr.
Thomson, D. M., B.A. Camb.
Asst. Lectr.
Rose, C. W., B.Sc., B.Eng. Syd.
Asst. Lectr.

Social Studies

Powesland, P. G., B.A. Brist. (Econ.) Sr. Lectr.
Ehrlich, C., B.Sc. (Econ.) Lond. (Econ.) Lectr.
Goldthorpe, J. E., M.A. Camb., B.Sc. (Econ.) Lond. (Sociol.).
Lectr.
Engholm, G. F., B.Sc. (Econ.) Lond. (Pol. Sci.) Lectr.
Pratt, R. C., B.A., McG., B.Phil. Oxon. (Pol. Sci.) Lectr.

Medicine

Anæsthetics

Hudd, H. R., B.Sc., M.B., B.Ch.
Pt.-time Lectr.*

Anatomy

Galloway, A., M.B.E., M.A., M.B., Ch.B. Aberd., D.Sc. Rand, F.R.S.S.Af.
Prof., Dean, Fac. of Med.
Allbrook, D. B., M.B. Lond., Ph.D.
Sr. Lectr.
Chagula, W. K. Asst. Lectr.
Davies, A. G. M., M.B., Ch.B., D.M.R.D. Brist. and Lond.
Pt.-time Lectr.*

* Govt. Medical Service.

Gynæcology and Obstetrics

Rendle-Short, Coralie, M.B., Ch.M. Brist., F.R.C.O.G. Prof.
Scotland, W. H. D., M.B., Ch.B. Glas. First Asst.
Mansfield, H., M.B., B.S. Lond. Pt.-time Lectr.*

Medicine

Williams, A. W., M.A., M.D. Camb. Prof.
Trowell, H. C., O.B.E., M.D., B.S. Lond., F.R.C.P. Pt.-time Lectr *
Campbell-Young, G. C., D.P.M. Pt.-time Lectr.*
Hutton, P. W., M.D., B.Chir. Camb. Pt.-time Lectr.*

Ophthalmology

Boaze, A. J., O.B.E., D.O.M.S., F.R.C.S. Pt.-time Lectr.*

Pathology

Davies, J. N. P., M.D. Brist. Prof.
Wilson, A. A. M., B.M., B.Ch Oxon. Lectr.

Part-time Lecturers*

Raper, A. B., B Sc., M.D., Ch.B., Leeds.
Elmes, B. G. T., M.D., F.R.C.P. Ed.

Pharmacology

Marshall, P. B., B.Sc., Ph.D. Lond. Lectr.

Physiology

Holmes, E. G., M.A., M.D. Camb. Prof.
Stanier, Margaret W., M.A., D.Phil. Oxon. Sr. Lectr.
Lipton, A., B.Sc. Lond. Asst. Lectr.

Preventive Medicine

..... Prof.
Kemp, P. D. Pt.-time Lectr.*
Ladkin, R. G., M.B.E., M.A., B.M., B.Ch. Oxon. Pt.-time Lectr.*

Surgery

Croot, H. J., M.B., B.S. Lond., F.R.C.S. Prof.

Part-time Lecturers *

McAdam, I. W. J., M.B., Ch.B. Edin., F.R.C.S.Ed. Lectr.
Burkitt, D. P., M.D., Ch.B. B.A.O. Dub., F.R.C.S.Ed. Lectr.

Veterinary Science

(P.O. Kabete, Kenya. *Telephone*: Fort Smith 238)

Polding, J. B., B.Sc., Ph.D. Lond. Prof., Dean of Fac.
Barrett, M. A., B.Sc. R'dg. (Animal Husb.) Reader
Simpson, Mrs. Ruth M., B.V.Sc. Liv. (Clin. Vet. Med.) Reader.

(Makerere College)

Harthoorn, A. M., D.V.Sc. Utrecht (Vet. Physiol.)
Bosa, G. M., Dip.Vet.Sc. (E.A.) (Vet. Anat.) Asst. Lectr.

Extra-Mural Studies

..... Dir.
Harris, W J A, B.A., Wales., M.Sc. (Econ.) Lond. Resident Tutor for Uganda.

East African Institute of Social Research

Richards, Audrey I., C.B.E., M.A. Camb., Ph.D. Lond. Dir.

Senior Research Fellows

Southall, A. W., B.A. Camb., Ph.D. Lond. Anthropologist.
Winter, E. H., A.B., Ph.D. Harv. Anthropologist.
Whiteley, W. H., B.A. Lond. Linguist.
Morris, H. S., B.Sc. Edin., Dip. Anthrop. Lond. Sociologist.
Elkan, W., B.Sc. (Econ.) Lond. Econ. Historian.
Fearn, H., M.A. Sheff. and Camb. Econ. Historian.

* Govt. Medical Service.

Ainsworth, L. H., M.A. Tor., Ph.D. Lond. Psychologist.
Fallero, L. A., A.M., Ph.D. Chic. Anthropologist.

Junior Research Fellows

La Fontaine, Miss J., B.A. Camb. Anthropologist.
Southwold, M., B.A. Camb. Anthropologist.
Wrigley, C., B.A. Oxon. Econ. Historian.
Gutkind, P. C. W., A.M. Chic. Sociologist.

ADMINISTRATIVE AND OTHER STAFF

Bursar: J. E. Burrough. Wardens: Mitchell Hall, Rev. F. B. Welbourn, M.A. Camb.; Northcote Hall, S. J. Colman, B.A. Oxon.; Women's Hall, P. Margaret Graham, M.A., M.Ed. Dep. Librarian: E. J. Belton, B.A. Oxon., F.L.A.; Asst. Librarians: Johanna Bouman, B.A. Stell., Dip.Lib. Cape T., F.S.A.L.A., and D. Kelly, B.A. Manc. and Camb. Chaplains: Rev. Father G. Carney, M.A. Camb. (Catholic), Rev. F. B. Welbourn, M.A. Camb. (other branches of the Church). Asst. Bursar, F. G. Sutton. Asst. Registrar, Miss P. M. King.

GENERAL INFORMATION

Makerere College was founded in 1922 as a Technical Sch. under the Educn. Dept. of Uganda Admin. It rapidly broadened its educational aims and raised its standard of work, for even in quite early yrs. its potentialities as a centre for advanced educn. were not ignored. Following the De la Warr Report in 1937, which pointed to the future of the Coll. as a centre of higher studies in E. Africa, under the inspiration of Sir Philip Mitchell the Coll. was presented with land and an endowment and a nucleus of its bldgs. Work on the present admin. block was inaugurated by H.R.H. the Duke of Gloucester, and the block with its twin chapels was completed in 1941. Support and benefactions from African and European sources have consolidated the inter-territorial status of Makerere. On the recommendation of the Asquith Commission in 1945 it was definitely decided that the Coll. should become the centre of Univ. studies in E. Africa. A Scheme of Special Relationship with the Univ. of London was entered into at the end of 1949, whereupon the Coll. assumed its present title. Courses leading to the General Degrees of the Univ. of London in Arts and Sci. started at the beginning of 1950.

The govt. and admin. of the Coll. follow the provisions of the Makerere College Act, 1949, and so far as these are applicable, the established practices and conventions of English Civic Univs.

The policy of the Coll. is that it shall be open to all students, regardless of race, colour and religion, who have the academic qualificns. nec. for admission. Entries are accepted from any of the E. African Territories, *i.e.* Kenya, Uganda, Tanganyika and Zanzibar. Entries from N. Rhodesia and Nyasaland, as well as from the southern part of the Anglo-Egyptian Sudan, are also considered.

The Coll. is situated on the outskirts of Kampala. The clin. section of the Vet. Sch. is at Kabete, near Nairobi (postal address: P.O., Kabete). A Coll. farm for the Fac. of Agric. is being developed at Kabanyolo, 13 miles from Kampala.

A large building programme, financed mainly by a grant of £1,100,000 under the Colonial Development and Welfare Act and £150,000 from the East Africa Govts., is at present under way, consisting of a new Arts Block, Phys. Lab., Chem. Lab., Med. Sch., Staff Houses and the Halls of Residence men-

tioned below. When completed (it is hoped by 1956) there will be accomm. for 630 students, including 50 women.

INCOME (1953). Total income: £270,995. (Govt. grants, 87·5 per cent.; Endowments and investments, 7 per cent.; Fees, 4 per cent.; Misc., 1·5 per cent.)

FACULTIES AND DEANS. *Agriculture*, Prof. F. B. Wilson; *Arts*, Prof. A. J. Warner; *Education*, Prof. E. A. Lucas; *Medicine*, Prof. A. Galloway; *Science*, Dr. Edna M. Lind; *Veterinary Science*, Prof. J. B. Polding.

LIBRARIES. Main library, approx. 38,000 vols.; sub-library at Med. Sch., approx. 9000 vols.

CHAPELS AND MOSQUE. There are 2 chapels (the Chapel of St. Augustine for Catholics, and the Chapel of St. Francis for members of other branches of the Church) and a mosque.

TEACHING HOSPITAL. The Govt. African Hosp. at Mulago, Kampala, is the teaching hosp. for Med. Students, on the same site as the Med. Sch.

FACILITIES OF SPECIAL INSTITUTIONS. The East African Inst. of Soc. Res. is administered by the Coll.; Dir., Dr. A. I. Richards. Its main function is field res. in Uganda, Kenya, Tanganyika and Zanzibar, covering anthropol. studies in particular tribes, or urban surveys and comparative studies of particular aspects of problems of interest to all E. African Territories in the field of sociol., econ., psychol., public admin. and law, and linguistic res.

The Physiol. and Biochem. Res. Scheme (Dir., Prof. E. G. Holmes) was establd. in 1947 under the auspices of the Colonial Med. Res. Cttee. It gives res. facilities to staff of dept. of Physiol., and to certain visiting res. workers. The res. undertaken deals chiefly with nutrition and kindred subjects.

LANGUAGE OF INSTRUCTION. English.

ENTRANCE REQUIREMENTS. Minimum requirements are a Camb. Overseas or equivalent Sch. Cert. with three credits, one of which must be in English Lang., and for the Fac. of Sci., in Elem. Maths.

For direct admission to the Facs. of Agric. Educn., Med. and Vet. Sci., candidates must have passed the Inter. Examn. of the Univ. of London or an equivalent Higher Sch. Cert. with passes in appropriate subjects.

FIRST DEGREE COURSES. The B.A. (Gen.) and B.Sc. (Gen.) degrees of the Univ. of London may be taken under the scheme of Special Relationship.

DIPLOMAS, CERTIFICATES, ETC. The Coll. awards Dipls. in Agric., Vet. Sci., Educn. and Fine Art, the Art Cert., the General Course Cert. in Arts, and the Licentiateship in Med. and Surg.

LEAVE in the U.K. for members of staff recruited from overseas: 3 months every 2 yrs.

FEES. Residence, £100; Tuition, £30 (Arts, Sci., Educn.) £40 (Med., Vet. Sci.).

ACADEMIC YEAR. March to Dec. 3 terms of 10½ weeks.

RESIDENCE. On admission to the Coll., students reside in one of the Halls of Residence: Mitchell Hall (112 men), Northcote Hall (180 men), New Hall (160 men), Mary Stuart Hall (50 women). At the Med. Sch. there is accomm. for med. students in the clin. yrs. of their course. At Kabete, Kenya, there is accom. for Vet. Sci. students in their clin. yrs.

ADULT EDUCATION. The Dept. of Extra-Mural Studies provides courses at several centres, at present in Uganda only.

APPOINTMENTS BOARD. Secretary, S. T. Coburn, M.A. Oxon.

OLD STUDENTS' ASSOCIATION. Makerere Coll. Union Soc. Further information from Sec. c/o The Principal, Makerere Coll., P.O. Box 262, Kampala.

STUDENTS' UNION. Makerere Coll. Guild.

PUBLICATION. *Calendar.*

THE YEAR 1953

BUILDINGS. The new Arts bldg., Mary Stuart Hall for women, and a temp. biol. lab. were completed.

OTHER DEVELOPMENTS. The three E. African Govts. made a grant of £230,000 for the development of the Fac. of Agric., with part of which a farm was acquired 13 miles from the Coll.

ADULT EDUCATION. A Resident Tutor for Uganda was apptd. at the end of the year.

RETIREMENT. F. L. Gee, Vice-Principal and Reader in Phys.

RESIGNATION. B.D. Greenslade (Engl.), apptd. to Univ. Coll., Lond.; Jean M. Fortt (Sec., Inst. Soc. Res.).

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	354	..
Women	13	..
Total	367	..

New admissions, 142.

DEGREES (special relationship with Univ. of Lond.). B.A. (Gen.) Lond., 11; B.Sc. (Gen.) Lond., 2.

DIPLOMAS. Agric., 3; Med., 5; Vet. Sci., 4; Educn., 27.

CERTIFICATES. General Course (Arts), 5; Art Cert., 4.

[*Information compiled as at* 19/1/55.]

UNIVERSITY COLLEGE OF RHODESIA AND NYASALAND *

Incorporated 1952

Postal Address : 115 Baker Avenue, Salisbury, Southern Rhodesia.
Cables : Unicoll.
Telephone : Salisbury 22610.

CHAIRMAN OF INAUGURAL BOARD—L. M. N. HODSON, O.B.E., Q.C., M.P.

PRINCIPAL—W. ROLLO, M.A., D.Litt. Glas., Litt.D. Ley.

PRINCIPAL-DESIGNATE—WALTER ADAMS, C.M.G., O.B.E., B.A Lond., LL.D. Malta.

SECRETARY-TREASURER—LANGHAM MURRAY, D.C.M , M.A. Oxon.

LIBRARIAN—.....

TEACHING STAFF

In the early months of 1955 appointments are being made to the following chairs :

African Studies	*English*
Agriculture	*Geography*
Botany	*Geology*
Chemistry	*History*
Economics	*Physics*
Education	*Zoology*

Later in the year appointments will be made to other chairs including Classics and Modern Languages.

GENERAL INFORMATION

The College is incorporated under the Southern Rhodesia " University Charter and Inaugural Board (Private) Act, 1952." The Inaugural Board is the governing body in the initial period pending the establishment of the full constitution of the College, which is being provided under a Royal Charter. The Charter establishes a Council and an Academic Board which will be in control of academic policy.

* Associate Member of the Association of Universities of the British Commonwealth.

The main site of 474 acres at Mount Pleasant in Salisbury has been presented by the City authorities. Additional sites in or near Salisbury are reserved for a Medical School and a teaching and experimental farm. Towards the capital costs of building and equipment Her Majesty's Government has promised a grant of £1¼ million. Among the private benefactions received by the College is a gift from the British South Africa Company, Rhodesian Anglo-American, Ltd., and Rhodesian Selection Trust, Ltd., of £150,000 for the building of the Library.

The College will first establish Faculties of Arts, Science and Agriculture. It has applied for admission to special relationship with the University of London. It is hoped to begin teaching in March 1956.

The academic year will be from March to December. The College is a multi-racial institution, open to all students without distinction on racial grounds. It will be mainly residential. The College is intended primarily to serve the higher education needs of the Federation of Rhodesia and Nyasaland but will admit students from other territories.

[*Information compiled as at 2/7/54.*]

UNIVERSITY COLLEGE OF THE WEST INDIES*

Founded 1946; incorporated by Royal Charter 1949

Postal Address: Mona, St. Andrew, Jamaica, British West Indies.
Cable and Telegraph: University Jamaica.
Telephone: P.B.X. 7661.

VISITOR—H.M. THE QUEEN.

CHANCELLOR—H.R.H. THE PRINCESS ALICE, COUNTESS OF ATHLONE, G.C.V.O., G.B.E.

PRINCIPAL—W. W. GRAVE, M.A., Ph.D., LL.D. Camb.

VICE-PRINCIPAL—P. M. SHERLOCK, C.B.E., B.A. Lond.

REGISTRAR—H. W. SPRINGER, O.B.E., M.A. Oxon.

LIBRARIAN—H. HOLDSWORTH, M.A. Leeds, F.L.A.

TEACHING STAFF

Anatomy, v. Medicine, *infra*

Botany

Asprey, G. F., M.Sc., Ph.D. Birm. Prof.
Robertson, Mrs. Edith, B.Sc. Glas. Lectr.
Loveless, A. R., M.A., Ph.D. Camb. Asst. Lectr.
Palmer, J. H., B.Sc. Sheff. Asst. Lectr.

Chemistry

Hassall, C. H., M.Sc. N.Z., Ph.D. Camb., F.R.I.C. Prof.
Martin, S. L., M.Sc. Lond., D.I.C., F.R.I.C. Sr. Lectr.

Lecturers

Sharp, Violet, M.A. Camb., M.Sc. Lond., Ph.D. Birm.
Bartley, W. G., B.Sc., Ph.D. Lond. Lectr.
Sangster, A. W., B.Sc. Belf. Asst. Lectr.
Reyle, K., Ph.D. N.Z. Jr. Res. Fellow.

Education

D'Aeth, H. R. X., A.M. Harv., B.A., Ph.D. Camb. Prof.
Figueroa, J. J., B.A. Holy Cross, M.A. Lond. Sr. Lectr.
Manley, D., B.A. Lond. Lectr.

English

Croston, A. K., M.A. Camb. Dean, Fac. of Arts, and Prof.

Lecturers

Le Page, R. B., B.A. Oxon., Ph.D. Birm.
Rooke, Barbara E., M.A. Qu., Ph.D. Lond.

History

Parry, J. H., M.B.E., Ph.D., M.A. Camb. (on leave) Prof.
McMillan, W. M., M.A. Oxon. Actg. Prof

* Associate Member of the Association of Universities of the British Commonwealth.

Cunningham, A. B., B.A. Durh., M.A. Lond. Lectr.
Goveia, Elsa V., B.A., Ph.D. Lond. Lectr.

Languages, Modern

Sandmann, M., M.A., D.Litt. Glas., Dr.Phil. Bonn Prof.

Lecturers

Coulthard, G. R., B.A. Oxon., Ph.D. Lond.
Mailer, W., M.A. Edin., L. ès L.
Spencer, P. H., Ph.D. Camb. Lectr.
Thompson, R. W., B.A. Dub. Asst. Lectr.
Gagnaire, Madeleine, L. ès L. Asst. Lectr.

Latin

Carrington, A. G., B.A. Lond. (on leave) Lectr.
Dicks, D. R., B.A., Ph.D. Lond. Lectr.
Earp, A. J., M.A. Tor. Lectr.

Mathematics

Robinson, L. R. B., M.A. Lond. Lectr.
Read, R. C., M.A. Camb. Lectr.
Hum, D. M., B.Sc. Lond. Asst. Lectr.
Woodyatt, C. R., B.A., B.D. Lond. (Pt.-time) Lectr.

Medicine, v. *infra*

Obstetrics and Gynæcology, v. Medicine, *infra*

Pathology, v. Medicine, *infra*

Physics

Bowen, F. H., A.M. Col., Ph.D. Lond., D.I.C. Sr. Lectr.

Lecturers

Barton, J. C., B.Sc., Ph.D. Lond.
Cade, R., M.Sc., Ph.D. Lond.
Mykura, H., B.Sc. Lond.
Mugglestone, D., B.Sc. St. And.

Physiology, v. Medicine, *infra*

Surgery, v. Medicine, *infra*

Zoology

Millott, N., M.Sc. Sheff., Ph.D. Camb.
Dean, Fac. of Nat. Scis., and Prof.

Lecturers

Rankin, Jessie J., B.Sc., Ph.D. Edin.
Underwood, G. L., B.Sc. Lond.
Bellinger, P. F., B.A., Ph.D. Yale. Asst. Lectr.

Medicine

Anatomy

Harper, W. F., M.D., B.Sc., Ph.D. St. And. Prof.
Levene, C., M.B., B.Ch. Belf. Lectr.
Flint, H. E., M.B., B.Chir. Camb. Asst. Lectr.

Medicine

Cruickshank, E. K., M.D., M.B., Ch.B. Aberd. Prof.
Hugh-Jones, P., M.A., M.D. Camb. Sr. Lectr.
Forde, H., M.D. Edin. Lectr.
Stuart, K. L., M.D., B.Ch. Belf. Lectr.
Bunje, H. W., M.D., B.S. Lond. Lectr.

Obstetrics and Gynæcology

Stewart, D. B., M.B.E., B.Sc., M.D. Manit. Prof.
Pinkerton, J. H., M.D., B.Ch. Sr. Lectr.
Ford-Smith, Mrs. Joyce K. T., M.D., B.S. Lond. Lectr.

Pathology

Hill, K. R., M.D., B.Sc. Lond. Prof.
Bras, G., M.D. Batavia (Morbid Anat.) Sr. Lectr.
Grant, L., M.B., Ch.B. Edin., M.P.H. Mich. (Bacteriol.). Sr. Lectr.
Stafford, J. L., M.B., Ch.B. Birm. (Clin. Path.) Lectr.
Gordon, C. C., M.Sc. Mich. (Bacteriol.) Demr.

Goodey, J., B.A. Oxon. (Pt.-time). Res. Asst.

Physiology

Mackay, I. F. S., M.Sc., Ph.D. Manc. Prof.

Patrick, S. J., M.A., Ph.D. Tor. (Biochem.) Sr. Lectr.

Feng, P., M.D. Shanghai, M.S. Tennessee (Pharmacol.) Lectr.

Goreau, T., M.Sc. Yale Lectr.

Kean, E. A., B.A. Tor., M.Sc. McG. Asst. Lectr. (Biochem.)

Waterlow, J. C., M.D. Camb. Sr. Res. Fellow.

Surgery

Ovens, G. H. C., O.B.E., M.B., B.S. Lond., F.R.C.S. Dean, Fac. of Med., and Prof.

Gardner, C. C., M.B., Ch.B. Edin., F.R.C.S. Sr. Lectr.

Golding, J. S., M.A., M.B., B.Chir Camb., F.R C.S. (Orthopædics) Sr. Lectr

Miles, R. P. M., M.B., B.S. Lond., F.R.C.S. Lectr.

Extra-Mural Studies

Dir.—P. M. Sherlock, C.B.E., B.A. Lond.

Staff Tutor in Industrial Relations :—D. G. J. Matthews, B.D. Durh., M.A. Calif.

Resident Tutors : — *Leeward Islands*—S. Sharp, M.A., Dip. Ed. *Jamaica*—H. L. Wynter, B.A. Oxon., Dip.Ed. *Windward Islands* — B. H. Easter, C.M.G., C.B.E., B.A. Lond. *Trinidad*—A. Pearse, M.A. Camb., and N. H. Booth, B.Litt. Oxon. *Brit. Honduras*—R. E. G. Farley, B.A., B.Sc. Lond. *Brit. Guiana*—A. A. Thompson, B.A. Lond. *Barbados*—A. E. Douglas-Smith, M.A. Camb.

Institute of Social and Economic Research

Dir.—H. D. Huggins, M.Sc. Corn., A.M., Ph.D. Harv.

Res. Fellows :—L. Braithwaite, B.Sc. Lond. ; G. Cumper, B.A. Camb. ; Nora M. Mailer, B.Sc. Lond.; K. H. Straw, B.A. Manc.; W. F. Maunder, B.Sc. Lond.; M. G. Smith, B.A., Ph.D. Lond.

Associate Lectrs. :—R. W. Cole, M.A., M.B., B.Ch., D.M.R.D. (Radiol.) ; R. O. Cooke, M.D. (Mental Diseases) ; R. A. Cory, M.B., B.S. (Diseases of the Chest) ; D. W. Degazon, M.B., B.S., D.O.M.S., F.R.C.S. (Ophthalmol.) ; F. W. Jacobson, M.D. (Dermatol.) ; H. M. Johnston, M.B., B.S. (Preventive Med.); V. J. Keating, M.B., B.Ch., B.A.O. (Anæsthetics) ; L. D. March, L.D.S. (Dental Surg.); M. Sugar, M.D., F.R.C.S. (E.N.T.) ; E. S. Sutherland, D.P.H. (Venereal Diseases).

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar : Mrs. Jeanne A. Simmons, M.A. Oxon. Bursar : R. A. Swaby, D.P.A. Lond. Steward : Major K. T. Craig. Asst. Librarian, Grade I : K. Ingram, B.A. Lond. Asst. Librarians, Grade II : Mercedes Josephs, B.A. Lond., Elsie Woo-Ming, B.A. Tor., Elaine Henriques, B.Sc. McG. Wardens : Irvine Hall—P. M. Sherlock, C.B.E., B.A. ; Taylor Hall—S. L. Martin, M.Sc., D.I.C.

GENERAL INFORMATION

The Univ. Coll. was incorporated by Royal Charter granted on Jan. 5, 1949. Its establishment was recommended and planned by a Cttee. of the

Commission on Higher Education in the Colonies under the chairmanship of Sir James Irvine,* then Principal and Vice-Chancellor of the Univ. of St. Andrews. Undergraduates were first admitted in Oct. 1948. The Govt. of Jamaica has given on lease for 999 yrs. a site of over 1 sq. ml. about 7 mls. from Kingston. H.M. Queen Elizabeth II is the Visitor of the College and on Nov. 27, 1953, was graciously pleased to open the Senate House and to make a speech in reply to a loyal address read by the Principal.

CONSTITUTION. The Univ. Coll. is an autonomous institution, governed by a Council to which each of the British Caribbean colonies nominates a member and on which the Senate, the Guild of Graduates and the Inter-Univ. Council are represented. The Senate consists of members of the teaching staff with the Principal as chairman.

INCOME. A grant has been made from C.D. & W. funds towards the capital costs, but recurrent expenditure is met from the revenues of the Caribbean Colonies. Income for year 1953–54 : £373,890. (Grants from the West Indian Govts., 97 per cent. ; Fees, 3 per cent.)

LIBRARY. 29,411 books, 4293 pamphlets, 229 maps, 237 microfilms and film strips, 15,180 periodicals, 24,617 govt. publications and 864 calendars. In Jan. 1954 Mr. Ansell Hart donated his valuable collection of West Indiana, comprising some 480 items.

TEACHING HOSPITAL. In 1952 the University College Hospital opened for the admission of patients with 215 general Med. and Surg. beds and in 1953 the Obstet. Block was opened. 49 students are now receiving their clin. trg.

FACULTIES AND DEANS. *Arts*, Prof. A. K. Croston ; *Med.*, Prof. G. H. C. Ovens ; *Nat. Scis.*, Prof. N. Millott.

An INSTITUTE OF SOCIAL AND ECONOMIC RESEARCH is associated with the Univ. Coll. The capital cost and recurrent expenditure for 5 yrs. is covered by a grant from the Colonial Social Science Research Council.

ENTRANCE REQUIREMENTS. Men and women are eligible for admission if they are qualified to satisfy the entrance requirements of the Univ. of London. Candidates for admission are examined by papers set by the Coll. and are interviewed.

TERMS. The academic year is from Oct. to the end of June, with three terms, each of eleven weeks.

CURRICULA. The Univ. College is in a special relationship with the Univ. of London, the degrees awarded being those of London, the schemes of examn. being devised jointly by the Coll. and the Univ. and the examn. conducted by examiners from both bodies. Teaching in the Fac. of Medicine began in Oct. 1948 and in the Fac. of Natural Sciences in Oct. 1949. Teaching in the Fac. of Arts began in Oct. 1950.

FIRST DEGREES AND DEGREE COURSES. 3 yrs. : B.A. Gen. (4th yr. for Hons., in Engl., Hist., Lat., Span., French) ; B.Sc. Gen. (4th yr. for Special). 6 yrs. : M.B., B.S. No degree can be obtained without attendance upon the prescribed courses in the Univ. Coll. extending over at least 3 academic yrs. after matricn. except in approved cases.

HIGHER DEGREES. Graduate students and full-time teaching and res. staff of the Univ. Coll. may register for the Ph.D. degree of the Univ. of Lond.

* *Report of the West Indies Committee of the Commission on Higher Education in the Colonies* (H.M.S.O. 1945, Cmd. 6654).

under the internal regulns. The M.Sc. Degree under Special Relationship may be taken 2 yrs. after graduation.

DIPLOMAS. Educn. (1 yr.), Chem. Technol. (1 yr.), Advanced Study (1 yr.).

STUDY LEAVE. Study leave with passages provided for the appointee, his wife and children up to a max. of not more than 5 persons in all, to the U.K., Western Europe or N. America, is granted in respect of every 3 yrs.' service. Provision of passages to places other than those mentioned is at the discretion of the Council.

FEES. A charge of £135 covers residence, sports subscription and simple medical attention for 33 weeks' residence. Tuition fees are £50 p.a. in medicine, £25 p.a. in science and £20 p.a. in arts.

SCHOLARSHIPS. The Univ. Coll. awards open scholps. by examns. held in the Caribbean Colonies each yr. In addition, several of the Colonies award exhibitions to those educated or born in the Colony. Private benefactions have established the following awards: Cadbury Exhibition, Farquharson Memorial Exhibition, Gilchrist Scholp.; St. Madeleine, St. Kitts, Antigua Exhibition; Princess Alice Scholp.; Shell Scholp.

PRINCIPAL "OPEN" POSTGRADUATE AWARD. T. Geddes Grant Res. Fellowship, awarded for postgrad. work in subjects of Caribbean interest.

GRADUATES' ASSOCIATIONS. Guild of Graduates including not only graduates of the Univ. Coll. of the West Indies but graduates of other univ. institutions, recognized for the purpose by the Coll. Council, who have lived in the West Indies for 3 yrs. or more.

RESIDENCE. The Univ. Coll. is entirely residential. Men: Chancellor Hall, Taylor Hall. Women: Irvine Hall. Address of all three: University College of the West Indies, Mona, St. Andrew, Jamaica, B.W.I.

STUDENTS' UNION. There is a Guild of Undergraduates which among other activities manages a Students' Union.

PUBLICATIONS. *Year Book*; *Caribbean Quarterly*; *Caribbean Affairs* (series of pamphlets); *Social and Economic Studies*; *West Indian Medical Journal.*

THE YEAR 1952–53

BENEFACTIONS. Sugar Manufacturers' Assocn. of Jamaica Ltd., funds to provide 50 per cent. of recurrent annual cost of postgrad. course in Chem. Technol. up to a max. of £2000 p.a. and to provide 50 per cent. of salary of Lectr. in Bot. up to a max. of £500 p.a.; Rockefeller Foundation; $10,000 for training techns. for Medical Sch., $6000 for res. in Chem.; Lederle Lab., $4500 for res. on Yaws; Univ. of Penn., $3650.

NEW BUILDINGS. Students' Union; Registry and Senate House.

NEW DEPARTMENT. Dept. of Chem. Technol. (teaching to begin, Oct. 1954).

EXTRA-MURAL DEPARTMENT. Programme has included class programme covering a wide range of subjects; extension lectures by Univ. Coll. Lectrs. and others, special courses and summer schools for Agric. officers, Civil Servants, Co-operative officers, teachers, nurses, Trade Union officers, political leaders and other workers in Soc. Welfare Organizations. The dept. has been experimenting since 1953 with radio educn. Series of broadcasts varied

from Econ. to Psychol. The dept. has undertaken res. in local soc. studies and industr. relations, and is engaged in publishing Caribbean Plays. Publications include: *Caribbean Quarterly*, *Caribbean Affairs*, *Crisis in the West Indian Family*, and magazines published by Resident Tutors.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Dr. T. C. Hunt (Med.), Lond.; Prof. C. T. Ingold (Bot.), Lond.; Dr. E. J. Irons (Phys.), Lond.

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITY. Prof. A. K. Croston (Engl.) represented the Univ. Coll. at the Inauguration of the Chancellor of the Univ. of Southampton.

DEATH. Sir Thomas Taylor (Principal of the Univ. Coll., 1946–52).

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	175	..
Women	79	..
Total	254	..

New admissions, 81.

DEGREES AWARDED (Special relationship with Univ. of Lond.). B.A. Gen., 20; B.Sc. Gen., 15.

[*Information compiled as at* 8/7/54.]

THE IMPERIAL COLLEGE OF TROPICAL AGRICULTURE*

Founded 1921

Postal Address: St. Augustine, Trinidad, British West Indies.
Cables: Stomata, Port-of-Spain.
Telephone: 94419.

CHAIRMAN OF THE GOVERNING BODY—Professor Sir FRANK L. ENGLEDOW, C.M.G., M.A. Camb., F.R.S.

PRINCIPAL—G. A. C. HERKLOTS, M.Sc. Leeds, Ph.D. Camb., F.L.S.

DEAN AND REGISTRAR—G. G. GIANETTI, M.A., Dip.Agr. (Econ.) Camb.

BURSAR—J. SHIELDS

ASSISTANT BURSAR—H. FRASER.

LIBRARIAN—MABEL E. M. PRICE.

SECRETARY—Mrs. N. H. YOUNG, M.B.E., Rooms 104/5, 40 Norfolk Street, Strand, London, W.C.2. (*Telephone*: Temple Bar 2540.)

TEACHING STAFF

Agriculture

Killick, A. B., C.M.G., B.Sc. Lond., Dip.Agric. Wye — Prof.
Badcock, W. J., Agric.Dip. R'dg., A.I.C.T.A. — Reader.
Jolly, A. L., M.A. Camb., M.Sc. Wales, Ph.D. Lond. (Econ.) — Sr. Lectr.
Campbell, J. S., B.Sc. Hort. R'dg., D.T.A. Trin. — Lectr.
Howes, J. R., B.Sc. Lond., M.Sc. McG. — Lectr.
Rosher, P. H., B.Sc. R'dg., M.Sc. Durh. — Lectr.
Metivier, Capt. H. V. M., O.B.E., B.Sc. Lond. (Vet Sci.) — Lectr.
Jones, P. O. M., Dip. Agric. McG. — Farm Manager.

Botany and Plant Pathology

Baker, R. E. D., M.A. Camb., A.I.C.T.A. — Prof.
Wilson, J., B.Sc. Durh. — Lectr.
Hutchinson, P. B., M.Sc. N.Z. — Lectr.

Chemistry and Soil Science

Hardy, F., C.B.E., M.A., Dip.Agr. Camb. — Prof.
Jones, T. A., M.Sc. Wales, F.R.I.C. — Reader.
Rodrigues, G., F.R.I.C. — Lectr.

Sugar Chemistry and Technology

Wiggins, L. F., D.Sc., Ph.D. Birm., F.R.I.C. — Prof., Dir. of Res.
Yearwood, R. D. E., A.I.C.T.A., D.I.C.T.A. — Sugar Technologist.

* Associate Member of the Association of Universities of the British Commonwealth.

Schmidt, N. O., M.Sc. Copenhagen
Asst. Sugar Technologist.

Entomology

Kirkpatrick, T. W., M.A, Dip. Agr. Camb. Prof.
Breese, M. H., B.Sc. Wales, D.I.C., F.R.E.S. Lectr.

Research Staff

Banana Research

Simmonds, N. W., M.A. Camb., A.I.C.T.A., F.L.S.
Sr. Cytogeneticist.
Shepherd, K., B.Sc. Durh.
Jr. Cytogeneticist.

Cocoa Research

Fennah, R. G., M.A. Camb, A.I.C.T.A. Entomologist.
Cope, F W., M.Sc. Lond, A.R.C.S
Sr. Plant Breeder
Bartley, B. G. D., B.Sc. Agr. Alld., M.Sc., Ph.D. Iowa
Jr. Plant Breeder.
Murray, D. B., B.A. Camb., A.I.C.T.A.
Sr. Plant Physiologist
Holliday, P. C., B A. Camb.
Plant Pathologist.
Havord, G., B.Sc. Lond.
Sr. Soil Chemist.
Maliphant, G K, B.Sc., Ph D. Brist. Jr. Soil Chemist

de Witt, K. W., B.Sc. Brist.
Biochemist.
Ross, R. Manager, River Estate.
White, V. E., D.I.C.T.A.
Asst. Manager, River Estate.

Soils Research

Vernon, K. C, B.Sc. Manc., A.I.C.T.A. Soil Surveyor.
Smith, G. W. R., B.Sc. Lond.
Soil Physicist.
Spector, J., B.Sc. Lond.
Spectrographer.

Junior Soil Surveyors

Watson, J. P., B.A. Agric. Oxon.
Finch, T. F., M.Sc., B.A. Dub.
Price, R. W., M.Sc. Birm., F.G.S.

Sugar Research

Wiggins, L. F. D.Sc., Ph.D. Birm., F.R.I.C. Dir.
Thomson, A. F., B.Sc. Glas.
Chemical Engineer.

Senior Organic Chemists

Williams, J. H., B.Sc. Lond.
Winstanley, J, B.Sc. Manc.

Junior Organic Chemists

Davison, B. K., B.Sc., Ph.D. Durh.
Stevens, R, B.Sc., Ph.D. Durh.
Temple, R. W., B Sc., Ph.D. Durh.
Wise, W. S. D., B.Sc. Brist.
Jr. Phys. Chemist.

ADMINISTRATIVE AND OTHER STAFF

Asst. Librarian: Elizabeth J. Garstang, B.Sc. Natal. Engineer and Technical Asst.: C. T. Watts. Asst. to Engineer and Technical Asst.: I. J. Cook. Med. and Health Officer: Mary Gianetti, M.B., Ch.B. Glas., D.P.H. Manager, Milner Hostel: H. Whitaker.

GENERAL INFORMATION

The Imperial College of Tropical Agriculture was founded as the West Indian Agricultural College, on the recommendation of a Committee appointed by Viscount Milner, Secretary of State for the Colonies, and was formally opened in Oct. 1922. In 1924 its name was changed to "The Imperial College of Tropical Agriculture." Two years later the College was incorporated by Royal Charter.

The Coll. is situated at St. Augustine, eight miles to the east of Port-of-Spain, the capital of Trinidad, and can easily be reached by road or rail. It stands amid pleasant surroundings on a savanna at the foot of the Northern Range. It possesses well-equipped laboratories, lecture rooms and offices and an experimental sugar factory. Three miles to the west, a new farm of more than 300 acres has been developed as a general mixed farm with the emphasis on those crops best suited to local conditions. All classes of tropical livestock are maintained. Good facilities are provided for teaching and demonstration and for students' research and investigation projects. River Estate, the Coll.'s experiment station of 425 acres, of which nearly one-third is under cacao, is 17 miles away to the north-west of Port-of-Spain. This Estate was acquired through the generosity of Cadbury Bros., Ltd.

Instruction is provided at both undergrad. and postgrad. levels in tropical agric. and in the relevant basic sciences. Research is conducted on several of the major crops of the wet tropics, on soils and on many branches of the sciences relating to tropical agric., *e.g.* entomology, mycology and plant physiology. The Coll. is the recognized British centre for postgrad. training in tropical agric. and the agric. sciences for officers destined to serve in the Colonial Agric. Service. The conception of such a centre is primarily due to Viscount Milner and its development has followed the lines recommended in 1927 by the Cttee. of Agric. Research in non-self-governing dependencies, of which he was Chairman. As a result, most of the senior staff of Colonial Depts. of Agric. have received postgrad. training at the Coll.

In 1946–47 the research potential of the Coll. was greatly extended by the establ. of res. schemes for cacao, bananas, soils and sugar chemistry. The soils res. scheme, which is entirely financed from Colonial Development and Welfare (Research) funds, is concerned both with a survey of the soils of the British Caribbean region and with investigations into their properties. The other three schemes are financed in part by industry and in part from C.D. & W. funds. The sugar res. scheme is concerned mainly with studies of the by-products of the sugar industry. Plans are under consideration for combining the first three of these schemes to form the nucleus of a Regional Research Centre to be established at the Coll.

The foundation-stone of the central bldg. which houses the admin. offices and library was laid by Sir Samuel Wilson, Governor of Trinidad and Tobago, in 1924. An Experimental Sugar Factory, towards which British sugar machinery manufacturers contributed plant worth £20,000, was opened in 1925 and has recently been modernized. It is attached to the Dept. of Sugar Chem. and Technol. and is used both for the instruction of students and for technol. investigations. The Milner Hostel and College Dining-Hall were completed in 1927. A Plant Quarantine Station to serve the British West Indies, British Guiana and British Honduras was completed in 1933. In recent years, to meet the expanding needs of the Coll., additional staff and student quarters have been built. A new Biol. bldg. and new Sugar Technol. labs. were completed in 1950–51.

INCOME. The income of the College is derived from contributions by the principal British and West Indian Colonies, the Imperial Government, and various Associations, Companies and individuals.

LIBRARY. 21,000 vols., 78,000 pamphlets and periodicals, on tropical agric. and related sciences.

RESIDENCE. Accomm. is provided for 66 students (Milner Hall) and for staff.

COURSES OF STUDY. (1) A 3-yr. course leading to a *Diploma* of the College (D.I.C.T.A.) either (*a*) in *Agriculture* or (*b*) in *Sugar Technology*. Although these courses are primarily intended for students from the British Caribbean area, others, if suitably qualified, are accepted for admission provided there are vacancies.

(2) A 2-yr. course leading to an *Associateship* of the College (A.I.C.T.A.) in Agriculture, open to students who obtain the Diploma with credit and to postgraduate students. The period of study to cover all requirements is 2 sessions of 3 terms each.

(3) A 1-yr. course leading to an *Associateship* of the College (A.I.C.T.A.) in *Sugar Technology*, open to students possessing the Diploma in Sugar Technology of the College or acceptable graduate qualificns. in Science.

(4) A 1-yr. postgraduate course, leading to a *Diploma* in Tropical Agriculture (D.T.A. Trin.), necessitating not less than 1 yr.'s postgraduate training or experience before entry. This course is open to Colonial Office probationers who have already had a one-year postgraduate course at Cambridge and to students possessing a degree in Agriculture or Natural Science or a Diploma of an approved Agricultural College involving at least a 3-yr. course of study in Agriculture or Horticulture together with at least 1 yr.'s approved postgraduate training, either at Cambridge or elsewhere, or who possess approved equivalent postgraduate experience.

(5) Special courses, particulars of which may be obtained on application to the Registrar.

ACADEMIC YEAR. Oct. 1 to June 30, three terms.

TUITION FEES. *Diploma Courses*: British subjects from contributing colonies, £25 p.a.; other British subjects, £50 p.a.; Foreign subjects, £100 p.a. A limited number of students from contributing colonies on the nomination of the respective Governments are admitted without payment of tuition fees. *Associateship and Postgraduate D.T.A. Courses*: British subjects, £75 p.a.; Foreign subjects, £125 p.a. *Special Courses*: British subjects nominated by Govts. of contributing colonies, £15; other British subjects, £75; foreign subjects, £125.

EXPENSES. The following figures are given as an approximate estimate for students coming from a country to which they cannot return for the Long Vacation: Living, £22: 10s. per mo.; 1st and 2nd yrs. 12 mos. (each £285); 3rd yr. 9 mos. (£217: 10s.). Subscriptions, say, £5 p.a. Books, tours, pocket-money, etc., a minimum of £150 p.a. (1st and 2nd yrs.); £112 p.a. (3rd yr.). To these must be added the fees set out above, and also cost of passage to Trinidad in the first, and from it in the third, year. West Indian students who can return home for the Long Vacation and who are reasonably careful find it possible to cover all essential expenses, exclusive of the cost of passages and tuition fees, for about £350. Postgrad. students require a min. of £40 p.m. to cover board and lodging, pocket-money, laundry, books and subscriptions. In addn. to cost of fees and passages, provision must be made for local travel which costs from £30 to £65 per session; the latter sum is the allowance made to Colonial Office probationers.

STUDENTS FROM FOREIGN AND OTHER COUNTRIES. Applications from foreign subjects will be considered on the production of evidence of having attained a standard equivalent to that prescribed by the regulations and of possessing a good working knowledge of English. Such applications should be made through a British Consul, who should attach his recommendation.

Applications by students from India and Pakistan should be submitted through their High Commissioner in London. Indian students may also

apply through the Commissioner for the Govt. of India, Port of Spain, Trinidad. Prospective students from the British Dominions and Burma should so far as is possible, submit their applications through some similar official organization.

PUBLICATIONS. *Prospectus*; *Principal's Report*; *Tropical Agriculture* (from 1954, published in London); *Memoirs and Reports*.

THE YEAR 1952–53

STUDENTS. Full-time, 80; graduates and special course students, 46; preparing for diploma, 34. Included in the above total were 51 first-year admissions.

DIPLOMAS. D.I.C.T.A., 5; D.T.A. Trin., 35.

ASSOCIATESHIPS. 3.

[*Information compiled as at June* 1954.]

COLLEGE OF AGRICULTURE

MAURITIUS

Founded 1923

Postal Address: Réduit, Mauritius.
Telegraphic Address: Réduit, Mauritius.
Telephone: Rose-Hill 390.

CHAIRMAN OF ADVISORY BOARD—W. ALLAN, O.B.E., B.Sc. Glas.
VICE-CHAIRMAN AND PRINCIPAL—J. R. LAGESSE, B.Sc. Lond.

LECTURERS

Agricultural Botany—Antoine, R., B.Sc. Lond, Dip.Ag. Camb., Guérandel, P.

Agricultural Meteorology—de Sornay, A., B.Sc. Lond.

Agronomy—Coombes, Capt. A. N., B.Sc. R'dg.; Julien, J. H.

Animal Husbandry and Vet. Science—Darné, A.

Biology and Entomology—Williams, J. R., B.Sc. Brist., D.I.C., F.R.E.S

Botany—Vaughan, R. E., B.Sc. Lond., Ph.D., A.R.C.S., F.L.S., Guérandel, P

Chemistry—Lagesse, J. R., B.Sc. Lond.; Burrenchobay, R., B.Sc. Edin.

Electrical Engineering—Desmarais, R, B.Sc. (Electr.).

Mathematics—Latulipe, R., B.Sc. Lond.

Physics—Latulipe, R., B.Sc. Lond.

Sugar Technology and Agric. Engineering—de St. Antoine, J. D. de R., B.S.

Surveying—Mulnier, K.

GENERAL INFORMATION

The College is administered as an integral part of the Department of Agriculture of the Colony. The cost of the building (opened Jan. 1925) and equipment was £14,000. Experimental fields and farms cover 60 acres. Laboratories provide accommodation for research in Chemistry, Entomology, Botany, Mycology, Physics and Sugar Technology. Athletic grounds are attached to the College.

A 3-yrs.' course leads to the Diploma of the College. Short courses in the inter-crop period are provided for estate employees and special courses for agricultural and sugar-house chemists. The examns. of the City and Guilds of London Institute in sugar technology are held at the College.

The College year begins in May.

Minimum age for admission, 18. Entrance examn. in English, French,

Chemistry and Maths. Holders of Matric. certificate of any British University are excused those subjects which appear on their matric. certificate.

Tuition fee, £22 p.a.

THE YEAR 1952–53

STUDENTS. Full-time: 54. Part-time: 24. 3 women students.

DIPLOMAS in Agric., 9.

CONDOMINIUM

ANGLO-EGYPTIAN SUDAN

UNIVERSITY COLLEGE OF KHARTOUM

Founded 1951

Incorporating Gordon Memorial College (founded 1902)
and The Kitchener School of Medicine (founded 1924)

Postal Address: P.O. Box 321, Khartoum, Anglo-Egyptian Sudan.
Telegraphic Address: Kulliya, Khartoum.
Telephone: 2601, 3111 (P.B.Ex.), Khartoum.

PRESIDENT—H.E. THE GOVERNOR-GENERAL OF THE SUDAN.

CHAIRMAN OF COUNCIL—IBRAHIM AHMED IBRAHIM, M.B.E.

PRINCIPAL—L. C. WILCHER, C.B.E., B.A. Adel., M.A., B.Litt. Oxon.

VICE-PRINCIPAL—A. B. THEOBALD, B.A., Dip.Ed. Lond.

REGISTRAR—G. C. WOOD, M.A. Oxon.

DEPUTY REGISTRAR—J. DONAGHY, M.A., Ed.B. Glas.

DEANS—*Administration and Law*—J. P. S. DANIELL, M.A. Oxon.; *Agriculture*—B. M. BOYNS, B.Sc., Ph.D. Durh.; *Arts*—A. B. THEOBALD, B.A., Dip.Ed. Lond.; *Engineering*—A. W. HENDRY, B.Sc.Eng., Ph.D., D.Sc. Aberd.; *Medicine*—A. SMITH, O.B.E., M.A., M.D., B.Chir. Camb., D.T.M. & H.; *Science*—H. SANDON, M.A. Camb., Ph.D. Rutgers; *Veterinary Science*—J. S. GARSIDE, Ph.D. Edin., D.V.S.M. Manc.

LIBRARIAN—M. JOLLIFFE, B.A. Lond., F.L.A.

DEPUTY LIBRARIAN—A. J. E. DEAN, B.A. Oxon.

STUDENTS' WARDEN—J. M. AHMED, B.Litt. Oxon.

TEACHING STAFF

Administration

Daniell, J. P. S., M.A. Oxon. Dean and Sr. Lectr.

Agricultural Biology

Cobley, L. S., B.Sc. Manc. Sr. Lectr.

Abdulla Nur, M., B.Sc. Lond. Lectr.

Pollard, D. G., B.Sc. Lond. Lectr.

Agricultural Chemistry

Boyns, B. M., B.Sc., Ph.D. Durh. Dean and Prof.

Worrall, G. A., B.A., B.Sc. Lond. Sr. Lectr.

Cleasby, T. G., B.Sc., Ph.D. Leeds Asst. Lectr.

Agriculture

Read, J. L., B.Sc. Agric. Durh. Sr. Lectr.

Low, F. K. A., M.A. Oxon. Lectr.

Assistant Lecturers

Manson, J. L., M.Sc. Durh.
Brain, R., B.Sc. Brist.
Agabawi, K., B.Sc. Lond.

Arabic

Al Nuwaihi, M. M., B.A. Fuad I, Ph.D. Lond. Prof.
Abdin, A. M., M.A. Fuad I. Sr. Lectr
Abbas, I. R., B.A., Ph.D. Fuad I. Lectr.
El Tayeb, A., Ph.D. Lond. Lectr

Botany

MacLeay, K. N. G., B.Sc., Ph.D. St. And., F.L.S Sr. Lectr.
Prowse, G. A., B.Sc., Ph.D. Lond Lectr.
el Kassas, M. A. F., M.Sc. Fuad I, Ph.D. Camb. Lectr.
Talling, J. F., B.Sc. Leeds Asst Lectr.

Chemistry

Henry, A. J., B.Sc., Ph.D. Lond., D.Sc. R'dg. Prof.
Hallam, H. E., M.Sc. Wales, Ph.D. Lond. Lectr.
Ali el-Sharawy, H., B.Sc. Cairo, Ph.D. Lond. Lectr.
Dolieb, D. M., B.Sc. St. And. (on leave) Lectr.
Stansfield, F., B.Sc., Ph.D. Manc. Lectr.
Hassan Ishaq, M., B.Sc. St. And. Asst. Lectr.
Mortimer, C. T., M.Sc., Ph.D. Manc. Asst. Lectr.

Economics

Fawzi, S. E. D., M.A. St. And., B.A. Oxon. (on leave) Sr. Lectr.

Lecturers

Condie, R. H. B., M.A. Glas.
Kubinski, Z. M., M.A. Leeds

Engineering, Civil

Hendry, A. W., B.Sc.Eng., Ph.D., D.Sc. Aberd. Dean and Prof
Saad, S., B.Sc. Cairo, M.Sc. Lond. Sr. Lectr.
Jaeger, L. G., M.A. Camb. Lectr.
Ibrahim Mohamed Ibrahim, Dip Eng. Asst. Lectr.

Engineering, Electrical

Mitry, W., M.Eng. Liv. Sr. Lectr.

Engineering, Mechanical

Wootton, K. J., B.Sc (Eng.), Ph.D. Lond. Sr. Lectr.

Lecturers

Lamond, S. R., B.Sc.(Eng.) Lond.
Penzias, W., B.Sc. Lond.
Henderson, A., B.Sc. Glas

English

Hart, E. F., M.A., Dip.Ed. Lond. Sr. Lectr.
Donaghy, J., M.A., Ed B. Glas. Sr. Lectr.

Lecturers

Colmer, J. A., M.A. Oxon.
Ewen, D. R., M.A. Aberd.
Ruttley, E., B.A. Wales, M.A. Oxon.
Ingledew, J. E., M.A. R'dg., Dip.Ed. Leicester Lectr

Geography

Lebon, J. H., B.Sc., Ph.D. Lond. Prof.
Barbour, K. M., M.A., B.Litt. Oxon. Lectr.
Ibrahim, H., M.A. Birm. Lectr.
Osman, A. el S., M.A. St. And. Asst. Lectr.

History

Theobald, A. B., B.A., Dip.Ed. Lond. Dean and Reader.
Shebeika, M. E. T., B.A. Beirut, Ph.D. Lond. Reader.
Sanderson, G. N., M.A. Oxon. Sr. Lectr.
Adawi, I. A. el, B.A. Cairo, Ph.D. Liv. Lectr.

Wilcher, L. C., B.A. Adel., M.A., B.Litt. Oxon. Pt.-time Lectr.

Law

..... (Civil Law) Prof.
Hasaballa, A. (Islamic Law) Prof.
Tennenbaum, E., B.C.L. Oxon. Sr. Lectr.
El Ghandour, A. A. W. (Sharia) Lectr.
Davies, W. E. D., LL.B. Wales Asst. Lectr.
Guttmann, E., LL.M. Lond. Asst. Lectr.
el Darir, Sh. S. M. el A. (Sharia) Asst. Lectr.

Mathematics

Pedoe, D., B.Sc. Lond., M.A., Ph.D. Camb. Prof.
Higgins, A., B.Sc. Lond. Sr. Lectr.
Varnavides, P. L., Ph.D. Lond. Sr. Lectr.
Sidrak, S., B Sc. Fuad I, Ph.D. Dub. Sr. Lectr.
Pike, F. K. C., B.Sc. Lond. Asst. Lectr.
Bedawi, M. A., B Sc. Lond (on leave) Demr.

Physics

Astbury, N. F., M A., Sc.D. Camb. Prof.
Ridler, P. F., B.E. N.Z. Lectr.
Hamouda, I. F., B.Sc Fuad I, Dr.Sc.Nat. Zür. Lectr
Wood, G. C., M.A. Oxon. Pt.-time Lectr.
Saville, D. P., M.Sc. Lond. Asst. Lectr.
Higazi, K. A , B.Sc. Lond. (on leave) Demr.

Zoology

Sandon, H., M.A. Camb., Ph.D. Rutgers Dean and Prof.
Rzoska, J., Ph.D. Poznan Reader.
Girgis, S., B.Sc. Fuad I, M.Sc. Farouk I Sr. Lectr.
Thornton, I. W. B., B.Sc., Ph.D. Leeds Lectr.

Veterinary Science

Anatomy

Lecturers
Mills, H. D.
van Lennep, E. W., Biol. Doct. Utrecht.

Animal Health

Earnshaw, D. G., B Sc. Edin. Lectr.
MacKenzie, P. Z , M.B.E. Lectr.
Gharib, H. M., B.V.Sc. Fuad I, Ph.D Lond. Lectr.

Veterinary Pathology

Garside, J. S., Ph.D. Edin., D.V S.M. Manc. Dean and Prof.
Abdel Malik, E. T., B.Sc. Fuad I, Ph.D. Mich. Lectr.

Kitchener School of Medicine

Anæsthetics

Helmi, M. H., M.B., Ch.B., Dip. Surg., Dip Anæsth. Fuad I Sr. Lectr.

Anatomy

Harris, H A., D.Sc., M.D., B.S. Lond., M.A. Camb., Hon. D.Sc. Wales Prof.
Watson-Baker, R , M.B., B.S. Lond Temp. Lectr.

Medicine

Morgan, H. V., M.A., M.B., B.Chir. Camb. Prof.
..... Sr. Lectr.

Obstetrics and Gynæcology

Daly, G. L., M.A., M.D., B.Ch., B.A.O. Dub. Prof.
Sandys, Olive C., B.A., B.M., B.Ch Oxon Sr. Lectr.

Pathology

Kirk, R., O.B.E., B.Sc., M.D., Ch.B. Glas., D.P.H. Edin., F.R.C.P., F.R.F.P.S. Glas. Prof.

Wrigley, Miss J. M., M.B., B.S. Lond. Lectr.

Physiology

Smith, A., O.B.E., M.A., M.D., B.Chir. Camb., D.T.M. & H. Prof. and Dean.

Adam, K. R., B.Sc., Ph.D. Edin. Lectr.

Public Health

Wheaton, F. L., M.B., B.S., D.P.H. Lond., D.T.M. & H. Prof.

Surgery

Hickey, B. B., M.A., D.M., M.Ch. Oxon., F.R.C.S. Prof.

Mynors, J. M., M.B., Ch.B. Birm., F.R.C.S. Sr. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Athletics Tutor: J. A. Jeffery. Resident Engineer: R. W. Fleming. Adviser to Women Students: ..... Staff Clerk: M. A. Khogali. Hd. Accountant: A. Mahmoud. Hostel Wardens: J. Donaghy, S. E. D. Fawzi, S. Girgis, A. Higgins, M. A. Nur, M. H. Ishag. Principal's Sec.: Miss A. Buchanan-Riddell.

GENERAL INFORMATION

This is a non-Govt. institution incorporating the Gordon Memorial College and the Kitchener School of Medicine, endowed partly by Sudan Govt. and partly by public subscription, with the balance of its expenditure supplied by an annual grant-in-aid from the Sudan Govt. It is managed by Executive Cttees. (one for each of the two units comprising the Univ. Coll.) in London and by a Council in the Sudan, and advised by an Academic Bd. composed of hds. of Depts. and other members of Academic Staff with the Principal as Chairman. Gordon Memorial College was opened by Lord Kitchener as a primary school in 1902, became a secondary school in 1909, and in 1945 a number of Higher Schools in Admin., Agric., Arts, Engin., Sci. and Vet. Sci., which had been formed independently of each other during the years 1938–45, were consolidated into the Coll. In 1947 a School of Design was added, but in 1950 this was transferred to the Khartoum Technical Inst. The Kitchener School of Medicine was opened in 1924 as a memorial to Lord Kitchener. In 1951 the two institutions were brought together under the title of University College of Khartoum.

ADMISSION. The qualificn. for admission is the Cambridge Overseas Sch. Certif. or equivalent. The minimum requirement is a Sch. Certif., with 4 or 5 credits, one of them being in English or Arabic. There are, in addition, certain minimum Fac. requirements.

COURSES. The Coll. has been admitted to a special relationship with the Univ. of London. Students who are matriculated proceed first to the inter. and then to the final examn., for an external B.A., B.Sc., B.Sc.(Agric.), LL.B. or B.Sc.(Eng.) degree of the Univ. Those who do not qualify for the degree courses may take a course leading to a Coll. dipl. The Med. and Vet. Schools have not yet instituted degree courses. Courses are: *Arts*—4 yrs. leading to London ext. Gen. B.A. or to Coll. Dipl. *Sci.*—4 yrs. leading to London ext. Gen. B.Sc. or to Coll. Dipl. *Agric.*—3 yrs. after Sci. inter. (5 yrs. in all) leading to London ext. B.Sc. (Agric.) or to Coll. Dipl. *Engin.*—4 yrs. after Sci. inter. (6 yrs. in all) leading to Coll. Dipl. or London ext. B.Sc. (Eng.). *Vet. Sci.*—4 yrs. after prelim. Sci. yr. (5 yrs. in all) leading to Coll. Dipl. *Admin. and Law*—(*a*) 1-yr. postgraduate course for students taking admin.; (*b*) 4 yrs. for students taking law leading to London ext. LL.B. or to Coll. Dipl. *Med.*—

5 yrs. after prelim. sci. yr. (6 yrs. in all) leading to Dipl. of Kitchener Sch. of Med.

TERMS. 3 terms of 9 weeks each: July 24–Sept. 30; Oct. 9–Dec. 9; Jan. 8–March 10.

INCOME (1954–55). Govt. Grant-in-Aid, £314,000; Govt. Bursaries, £52,000; Income from Endowments, £36,000; Fees, House rents and miscellaneous, £13,000; Total, £415,000.

LIBRARY. Newbold Library: at present 36,000 vols. including important Sudan Collection.

FEES. Full fees are £75 p.a. for residents in the Sudan; £125 p.a. for those coming from elsewhere. There are many bursaries for Sudanese students.

RESIDENCE. There is hostel accomm. for all students and residence is normally obligatory.

The LANGUAGE OF INSTRUCTION is English, although the official lang. of the Students' Union is Arabic.

VACATION COURSES. Annual study camp at Erkowit (Red Sea Hills), in April; Annual Winter School at Coll. in Dec.

PUBLICATION. *Calendar* (March, biennial).

THE YEAR 1953

NEW BUILDINGS. Completion of students' Dining-Room, Common Room Block for Fac. of Agric. and Vet. Sci. Two new hostels, lab. block for Anat. and Physiol., new block for Fac. of Arts, new block for Agric. Bot. under construcn. Large staff-house building programme in progress. Development of new 650-acre farm contd.

NEW POSTS. Chair in Geog. Lectureships added in Depts. of Agric., Agric. Chem., Anat., Animal Health, Bot., Civil Law, Chem., English, Geog., Maths., Mech. Engin., Physiol., Vet. Pathol., Zool. Athletics Tutor, and Resident Engineer (for new works and maintenance), apptd.

NEW COURSES. Special courses in Dept. of Pub. Admin. instituted arising out of Anglo-Egyptian Agreement of 1953 and need for Sudanese administrative officials to replace expatriates in Govt. service.

EXTRA-MURAL WORK. The subject of study at Erkowit Camp attended by 40 members was "Economic Problems of the Middle East." Winter School of public lectures held from Dec. 18–28. Six lectrs. (4 in Arabic, 2 in English) given by members of Coll. staff.

OTHER DEVELOPMENTS. Fiftieth anniversary celebrations. LL.B. degree awarded for the first time. Hydrobiological Res. Unit launch completed and commissioned.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. P. L. Capper, Lond.; Prof. M. Grant, Edin.; Dr. I. L. Gowan, Nott.; Prof. M. Stone, Chic.; C. A. Paterson, Oxon.; Dame Lillian Penson, Lond.; Miss M. Perham, Oxon.; Dr. D. F. Roberts, Oxon.; Prof. C. Rendle-Short, Makerere; Prof. H. G. Sanders, R'dg.; J. Taylor, Lond.; Prof. J. W. Tibble, Leicester; Sir D. Veale, Oxon.

DEATH. Prof. M. M. Mustafa (Islamic Law).

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	600	..
Women	14	..
Total	614	..

Postgraduate students, nil.
New admissions, 183.
Students from other countries, 3.

DEGREES (Special relationship with Univ. of Lond.). B.Sc. (Agric.), 1 ; LL.B., 3. No B.A. or B.Sc. degree owing to change in academic year.

DIPLOMAS. Agric., 7 ; Arts, 1 ; Engin., 6 ; Med., 6 No Science dipls. owing to change in academic year.

APPENDICES

I. QUALIFICATIONS FOR ADMISSION TO A FIRST DEGREE COURSE IN COMMONWEALTH UNIVERSITIES: (A) UNITED KINGDOM, (B) CANADA, (C) AUSTRALIA, (D) SOUTH AFRICA (p. 1563)

II. POSTGRADUATE AWARDS (FELLOWSHIPS, SCHOLARSHIPS, GRANTS, ETC.) TENABLE IN THE UNITED KINGDOM (p. 1651)

III. POSTGRADUATE AWARDS (FELLOWSHIPS, SCHOLARSHIPS, GRANTS, ETC.) TENABLE OVERSEAS (p. 1743)

IV. STUDENTS FROM OTHER COUNTRIES IN UNITED KINGDOM UNIVERSITIES AND UNIVERSITY COLLEGES (p. 1765)

V. COMMONWEALTH STUDIES IN UNITED KINGDOM UNIVERSITIES (p. 1768)

VI. UNIVERSITIES OF THE REPUBLIC OF IRELAND (p. 1770)

VII. ANGLO-AMERICAN ACADEMIC RELATIONS (p. 1799)

VIII. INTERNATIONAL UNIVERSITY ORGANIZATIONS (p. 1803)

IX. SHORT BIBLIOGRAPHY (p. 1808)

APPENDIX I

QUALIFICATIONS FOR ADMISSION TO A FIRST DEGREE COURSE IN COMMONWEALTH UNIVERSITIES: (A) UNITED KINGDOM, (B) CANADA, (C) AUSTRALIA, (D) SOUTH AFRICA

(A) *United Kingdom* . . p. 1563
(B) *Canada* . . . . p. 1629
(C) *Australia* . . . . p. 1635
(D) *South Africa* . . . p. 1648

(A) UNITED KINGDOM

[This statement relates only to the admission of students proposing to take full courses for a first degree. For conditions relating to recognition of study at other Universities and admission for higher degrees, v. pp. 13-25 and under the several Universities. Students desiring to study in a University without intending to graduate are generally admitted if they satisfy the Univ. authorities that they are qualified to profit by the course of study they propose to take, and if accommodation is available for them.]

GENERAL OUTLINE

A comparison of the University regulations regarding admission discloses a general agreement in principle, with certain divergences in application. Before inserting a student's name *in matricula*, all the Univs. require evidence that the applicant's intellectual equipment fits him to undertake a course of study for a degree. This is tested either by an entrance examn. held by the Univ. concerned, or by the candidate's performance in an alternative exempting examn. In many cases there are additional Faculty or Departmental requirements to be satisfied before a matriculated student may pursue a specific degree course. Most of the Oxford and Cambridge Colleges require candidates to pass a College entrance examn. in addition to satisfying the Univ. entrance requirements.

Early application is advisable for admission to a University, and frequently there are last dates for receipt of applications for entrance to the different Faculties of a University.

The introduction in England and Wales of the General Certificate of Education and the consequent cessation of the School and Higher School Certificate examns. (except for the Univ. of Cambridge Local Examns. Syndicate's Oversea Certificates) have affected not only the list of equivalent examns. accepted by Univs., but, in some cases, the holding of special entrance examns. by individual Univs. London no longer

holds a Matricn. Examn. or a special Univ. entrance examn. (private candidates are, however, accepted for the General Certificate examns. held by the Univ.). The Univ. of Wales has also ceased to hold its Matricn. Examn. On the other hand, the Univ. of Durham retains an entrance examn., and the Univ. of Nottingham a special entrance examn., to which in each case certain classes of candidates may enter by permission. At Oxford, regulations for Responsions (and exemption therefrom), and at Cambridge regulations for the Previous Examn. (and exemption therefrom), have been revised.

SCHOOL EXAMINATIONS—ENGLAND AND WALES. The Ministry of Education in Circular 168 (April 1948) announced the acceptance of the main recommendations of the 1947 Report of the Secondary School Examinations Council. In principle the course of action which the Council unanimously recommended in their Report can be simply expressed. It recognized that the schools alone were in a position to decide what courses were best for their pupils, and that they needed the utmost freedom and flexibility to give effect to their judgements. At the same time it recognized the practical necessity of a system of external examns. to provide selective tests for those who wished to compete for scholarships at Univs. or other institutions, and a test of a qualifying nature for those who, having followed courses substantially beyond the statutory minimum leaving age, wished to establish competence in certain subjects, *e.g.* for entrance to a Univ. or profession. Apart from such necessary external tests, the testing of achievements in the schools would become a matter for the schools themselves.

Accordingly, in 1951 the examn. for the General Certificate of Education superseded the School and Higher School Certificate examns. Papers are provided at two levels: Ordinary and Advanced, with Scholarship papers available to serve a selective purpose. The standard of pass at the Ordinary level is approximately that of Credit in the School Certificate: a pass at the Advanced level approximates to a Higher School Certificate Principal pass. All subjects are optional and there are no minimum or group requirements. The examn. is open to all candidates, whether attending school or not, who are 16 by Sept. 1 in the year of examn., and a General Certificate of Education is issued to every candidate who reaches the pass standard in any subject at the Ordinary or Advanced level.

In April 1952, the Secondary School Examns. Council presented their second and unanimous Report to the Minister at the conclusion of a review of the new examn. in the light of the principles underlying their 1947 Report, and of experience of the examns. held in 1951. In this Report the Council reaffirmed the view that the standard of the Ordinary level pass should represent approximately that of the School Certificate Credit, and other views expressed in their 1947 Report. But, while they saw no reason to change the main structure of the examn., they were impressed by certain difficulties associated with the age limit. They were also aware of a demand for some mark of grading on the certificates, which they believed to be both possible and desirable at the Advanced level. In Circular 251 (April 1952) the

Minister gave effect to both of the Council's recommendations. As a result, from 1953 onwards:

(i) the age limit will be retained, but the head of a school will have full discretion to enter pupils who are not 16 by Sept. 1, if he certifies that it is educationally desirable for them to take the examn. in the particular subjects offered at the time proposed, and that they have pursued a course of study with such a degree of competence as to make it very probable that they will pass in those subjects;

(ii) a Distinction endorsement to a pass at Advanced level can be awarded to candidates whose performance merits it.

The examns. are conducted by the approved Examining Bodies,* over whom the Minister of Education exercises a co-ordinating authority with the help of the Secondary School Examns. Council, composed of representatives of Univs., local education authorities and teachers' associations, and members nominated by the Minister of Education, with a Chairman appointed by the Minister.

The new examn. for the General Certificate of Education has been accepted, subject to various qualifications, by all United Kingdom Univs. and a number of professional bodies for the purpose of exempting candidates from entrance and other examns., in the same way as were the School Certificate and Higher School Certificate examns. Transitional provision is generally made for the acceptance of a School Certificate Credit or Higher School Certificate pass in a subsidiary subject as equivalent to a pass at the Ordinary level in the General Certificate of Education, and of a Higher School Certificate pass at Principal level as equivalent to a pass at the Advanced level in the new examn.

A substantial degree of inter-availability of minimum entrance requirements to Univs. has been achieved consequent upon the individual Univs. deciding to frame their requirements in the light of the following resolution passed at a meeting of Univ. representatives convened in Nov. 1948 by the Committee of Vice-Chancellors and Principals:

> "That in order to secure the maximum inter-availability in entrance requirements and in order to meet as far as possible the wishes of the schools, this meeting of representatives of Universities strongly recommends for the serious consideration of all Universities the adoption, for a period of five years, of the following scheme: (i) in order to satisfy minimum University entrance requirements, a candidate must pass in English Language and in either *four* or *five*

* *I.e.* Oxford and Cambridge Schools Examn. Board, Oxford Local Examns. Delegacy, Univ. of Cambridge Local Examns. Syndicate, Univ. of Bristol, Univ. of Durham, Univ. of London, Northern Univs. Joint Matriculation Board, Welsh Joint Education Committee (formerly Central Welsh Board). An additional examining body, the Associated Examining Board for the General Certificate of Education, has been provisionally approved and will conduct its first examination in 1955.

other subjects; (ii) the subjects must include (*a*) a language other than English and (*b*) either mathematics or an approved science; (iii) at least *two* of the subjects must be passed at the advanced level; (iv) candidates who offer only *four* subjects in addition to English Language must pass at one and the same sitting in two subjects at the advanced level and in one other subject not related to the subjects offered at the advanced level."

Oxford and Cambridge have decided not to require the passing of two subjects at Advanced level from candidates who seek exemption from Responsions and the Previous Examn. respectively by way of the General Certificate of Education. Oxford has retained the requirement of a pass in two languages other than English, one of which must be either Latin or Greek, but at Cambridge, while Latin or Greek is still required, two other approved subjects may be offered in place of the second language other than English. Hull, which has attained University status since the arrangement referred to above, does not prescribe the subjects, other than English Language, in which the necessary number of passes at the Ordinary and Advanced levels must be obtained in the General Certificate of Education.

There are also certain other minor differences of interpretation, according to local circumstances, concerning the subjects which the several Univs. recognize as approved subjects for the purpose of matriculation, approved science subjects and subjects related or unrelated to other subjects. Some Univs., however, have decided to regard as eligible for matriculation candidates who possess a General Certificate of Education which is certified by the appropriate official as satisfying the matriculation requirements of another Univ. in Great Britain or Northern Ireland under that Univ.'s conditions for recognizing the General Certificate of Education.

In order to give more time for a general review of entrance requirements in the light of the experience gained since the introduction of the General Certificate of Education in 1951, the existing arrangements regarding matriculation requirements and their interavailability have been extended, by agreement of the various matriculating bodies, for a further year, *i.e.* to cover the entry of students into Universities for the session 1956–57.

SCOTLAND. Under Ordinance No. LXX of the Courts of St. Andrews, Glasgow, Aberdeen and Edinburgh Univs., the Scottish Univs. Entrance Board was constituted to determine the requirements qualifying applicants to enter upon a course of study leading to a degree of a Scottish Univ. and to issue certificates attesting the educational fitness of applicants who have fulfilled these requirements.

Applicants should note, however, that the Board's certificate may not qualify them to study for a particular degree if they have not a sufficient knowledge of a subject or subjects required in one or other of the prescribed curricula for that degree. They are therefore advised to ascertain from the Univ. which they propose to enter whether they need to obtain passes in additional subjects or at higher standards. *See also* pp. 1618-1620.

The Board's Regulations are contained in a leaflet published in Feb. every year. These prescribe for the recognition, on certain conditions, of Certificates awarded by the Scottish Education Department, English School and Higher School Certificates, the English General Certificate of Education, certain certificates awarded by overseas Univs. and State Education Departments and, for those who do not qualify completely, or at all, by these certificates, provide a Preliminary Examn. twice annually, in March and Aug.

NORTHERN IRELAND. The Senior Certificate of the Ministry of Education of Northern Ireland is accepted, subject for subject, by the Queen's Univ. of Belfast in lieu of its Matriculation examn. subject to the following provisos: (*a*) that the whole examn. has been passed, and (*b*) that a minimum of three *Credits* has been obtained. For applicants from other parts of the United Kingdom and overseas countries Belfast accepts, subject for subject, certain other certificates. In all cases subjects are accepted only if recognized for the particular Faculty to which admission is desired. *See also* pp. 1626-1628.

ADMISSION OF OVERSEAS STUDENTS. As regards a student educated in another country the regulations are drafted on the understanding that the application of the ordinary entrance tests might be inappropriate owing to these tests having been framed with reference to secondary education curricula different from those which obtain in his own country, or to the student having reached a stage in his education at which the passing of ordinary entrance tests would involve a wasteful repetition of preparatory studies. They accordingly provide for the submission by such a student of other evidence of academic qualificns.: ordinarily, certifs. (relating to, for example, Dominion Matricn., or Baccalauréat, examns.), which would entitle to admission to an approved Univ. in the student's own country, together with such further evidence as may be necessary to ensure that no student shall be admitted to a course of study for a degree without a reasonable prospect of his being able to pursue it to graduation (in particular, if the student be one whose mother tongue is not English, evidence that he has a sufficient mastery of this language to enable him to follow courses of instruction conducted in English). When certificates are in a foreign language they should ordinarily be accompanied by a certified English translation. Unless the certificate shows on its face that it would admit the holder to a Univ. in his own country it should be accompanied by a letter to this effect from the Registrar of such a Univ. or by an authenticated declaration by a Government official or the local British Council Representative or by an official of an Embassy, Legation or Consulate of the country to which the applicant belongs, testifying that the certificate would entitle the holder to enter on a regular course of study in a Univ. in that country. Intending students should apply for information to the Registrar of the Univ. in which they desire to be matriculated. The regulations are summarized below under each Univ. or group of Univs. *See* index on p. 1569.

It does not follow that any student, although having the minimum educational qualifications for admission in accordance with the pre-

ceding paragraphs, will in fact be admitted to a Univ. in a particular year. Most Univs. have, under present conditions, long waiting-lists from which selections are made for the offer of actual places as new students. It is therefore desirable that any prospective entrant from overseas should make application as early as possible and should submit particulars of any further educational distinctions which he may possess. In general, in the absence of exceptional circumstances (such as the lack of appropriate facilities for study in the applicant's own country *) the United Kingdom Univs. are at present unable to offer places for undergraduate study to students from overseas in preference to those from this country, but this does not apply to the same extent to applications at the postgraduate level.

* Students from Colonial territories for whom on this ground a special quota of places is often set aside should apply through their local education service.

SPECIFIC CONDITIONS

For details of the requirements for admission to individual Universities, reference should be made to the pages listed below :

Aberdeen (pp. 1618, 1620)
Belfast (p. 1626)
Birmingham (pp. 1570, 1574)
Bristol (p. 1583)
Cambridge (p. 1586)
Durham (p. 1589)
Edinburgh (pp. 1618, 1621)
Glasgow (pp. 1618, 1623)
Hull (p. 1591)
Leeds (pp. 1570, 1576)
Liverpool (pp. 1570, 1578)
London (p. 1594)
Manchester (pp. 1570, 1581)
North Staffordshire (Univ. Coll.) (p. 1616)
Nottingham (p. 1598)
Oxford (p. 1602)
Reading (p. 1605)
St. Andrews (pp. 1618, 1626)
Sheffield (pp. 1570, 1582)
Southampton (p. 1609)
Wales (p. 1613).

Candidates for admission to a Univ. in the United Kingdom must have passed the appropriate entrance examn. for that Univ. or an alternative exempting examn. The principal examns. (indicated by a number in this Appendix for the purpose of reference) are as follows :

1. Oxford Responsions.
2. Cambridge Previous Examn.

General Certificate of Education Examns. held by the following Examining Bodies :

3. Oxford and Cambridge Schools Examn. Board.
4. Univ. of Cambridge Local Examns. Syndicate.
5. Oxford Local Examns. Delegacy.
6. Univ. of Bristol.
7. Univ. of Durham.
8. Univ. of London.
9. Joint Matriculation Board of Manchester, Liverpool, Leeds, Sheffield and Birmingham.
10. Welsh Joint Education Committee.
11. Preliminary Examn. of the Scottish Univs. Entrance Board.
12. Senior Leaving Certificate Examn. of the Scottish Education Department.
13. Senior Certificate Examn. of the Ministry of Education, Northern Ireland.
14. Belfast Matriculation Examn.
15. Univ. of Cambridge Local Examns. Syndicate's Oversea Certificate Examns. : (*a*) School, (*b*) Higher School.
16. Army Special Certificate of Education Examn.

The Univs. also include certain examns. other than those enumerated above as qualifying for admission. These examns. and the conditions affecting them are referred to in the text below under each Univ. or group of Univs.

JOINT MATRICULATION BOARD OF THE UNIVERSITIES OF MANCHESTER, LIVERPOOL, LEEDS, SHEFFIELD AND BIRMINGHAM

1. Before admission to a degree course in one of the five Univs. which constitute the Joint Matriculation Board a student must satisfy (*a*) the requirements of the Board which are concerned with general education and (*b*) any special Faculty or Departmental requirements of the individual Univ. concerned (v. *infra*, pp. 1574-1583). Completion of the requirements under (*a*) and (*b*) does not automatically give right of entry to a Univ. To be accepted by a Univ. a student must apply direct to the Registrar of that Univ. Full information regarding admission to the constituent Univs. may be obtained from the Secretary, 315 Oxford Rd., Manchester, 13.

2. As from May 1, 1951, up to and including Oct. 31, 1956, the Univ. entrance requirements of the Joint Matriculation Board will be satisfied by any one of the following qualifications: I. A General Certificate of Education which fulfils the prescribed conditions (v. pp. 1570-1572). II. A pass in the Board's examn. for candidates of mature years (p. 1572). III. A pass in the Board's examn. for candidates who have been engaged in industry or commerce (v. p. 1573). IV. One of the qualifications listed under section IV (v. pp. 1573-1574). V. Any qualification which satisfied the Board's requirements in force at the date the qualification was obtained.

I. *General Certificate of Education*

3. The Board's Univ. entrance requirements will be satisfied by a G.C.E. issued by the Board (or by one of the examining bodies referred to in para. 4) which shows: **Either** (*a*) A pass in six subjects which include (i) English Lang., (ii) a language other than English, (iii) *either* Maths. (para. 6) *or* an approved Science (para. 7), (iv) at least two subjects at the Advanced level; *Provided that* (1) The requirements under (*a*) may be fulfilled at more than one sitting. (2) The required subjects must be selected from the list given in para. 5, except that one, but only one, of certain " technical " subjects may be included as a subject at Ordinary level, whether passed at Ordinary or Advanced level. Details from the Secretary. (3) No subject may be counted both at the Ordinary and at the Advanced level. **Or** (*b*) A pass in five subjects which include (i) English Lang., (ii) a language other than English, (iii) *either* Maths. (para. 6) *or* an approved Science (para. 7), (iv) at least two subjects at the Advanced level passed at one and the same sitting together with at least one other of the five required subjects; *Provided that* (1) The required subjects must be selected from the list given in para. 5. (2) Of the minimum of three subjects required under (iv) to be passed at one and the same sitting one subject must not be " related to " the other two (para. 8). (3) No subject may be counted both at the Ordinary and at the Advanced level.

4. The General Certificate of Education of the following examining bodies will be accepted under the same conditions as the Board's General Certificate: Nos. 3-8, and 10 (v. *supra*, p. 1569). The require-

ments under para. 3 (*a*) and para. 3 (*b*) above may be fulfilled by a combination of certificates issued by more than one examining body.

5. The following subjects of the Board's General Certificate Examn. and the corresponding subjects in the examns. of any of the bodies referred to in para. 4, will be accepted for the purposes of para. 3 : 1. General Paper ; 2. English Lang. ; 3. English Lit. ; 4. History ; 5. Ancient History and Lit. (may not be counted with History) ; 6. Geog. ; 7. Economics ; 8. Scripture Knowledge ; 9. Art ; 10. History and Appreciation of Art (may not be counted with Art) ; 11. Music ; 12. Greek and Roman Lit. in Translation (may not be counted with Greek and/or Latin) ; 13. Greek ; 14. Latin ; 15. French ; 16. German ; 17. Spanish ; 18. Italian ; 19. Russian ; 20. Welsh ; 21. Specially approved langs. ; 22. Maths. ; 23. Maths. and Theoretical Mechanics (counts as two Advanced subjects but may not be counted with Maths.) ; 24. Physics ; 25. Chem. ; 26. Physics-with-Chem. (may not be counted with any of the following : Physics, Chem., General Science) ; 27. Bot. ; 28. Zool. ; 29. Biol. (may not be counted with Bot. and/or Zool.) ; 30. Geol. ; 31. General Science I ; 32. General Science II (General Science I and/or II may not be counted with any of the following : Physics, Chem., Physics-with-Chem., Bot., Zool., Biol.) ; 33. Elementary Physiol. (may not be counted with Zool. or Biol.).

6. Either 22. Maths. or 23. Maths. and Theoretical Mechanics will satisfy the requirement of Maths. under para. 3 (*a*) (iii) and para. 3 (*b*) (iii).

7. Of the subjects listed in para. 5, Nos. 24 to 33 (both inclusive) are " approved Sciences " for the purposes of para. 3 (*a*) (iii) and para. 3 (*b*) (iii).

8. The condition that of the minimum of three subjects required under para. 3 (*b*) (iv) one must not be " related to " the other two subjects will be interpreted as follows, provided that certain combinations as indicated in para. 5 will not be counted : (*a*) the General Paper will not be regarded as related to any other subject in the list under para. 5 ; (*b*) subjects 2 to 12 will not be regarded as related to subjects 13 to 33 ; (*c*) subjects 13 to 21 will not be regarded as related to subjects 2 to 12 and 22 to 33 ; (*d*) subjects 22 to 33 will not be regarded as related to subjects 2 to 21.

9. The Board's Univ. entrance requirements will also be satisfied by a General Certificate of Education which satisfies the three following conditions : (*a*) it is awarded by one (or more) of the bodies referred to in para. 4 ; (*b*) it satisfies the general conditions of para. 3 ; (*c*) it is certified by the appropriate official as satisfying the Matriculation requirements of a Univ. in Gt. Britain or N. Ireland under that Univ.'s conditions for recognizing the General Certificate of Education.

10. The Board is prepared to consider the exercise of its discretionary powers as regards the acceptability or otherwise of any of its own General Certificates of Education which may not satisfy paras. 5, 6, 7 and 8 but may satisfy para. 9 (*b*) and (*c*).

11. Transitional Provisions. The institution in 1951 of the examn. for the General Certificate of Education and the consequent withdrawal of the School Certificate and Higher School Certificate Examns. will prevent some candidates who hold School Certificates

and/or Higher School Certificates (or Letters of Success) from completing the Board's requirements as set out in the 1949–50 *Yearbook*, pp. 1192-1193. The following provisions are therefore made: (*a*) A *pass with Credit* in a subject of an approved School Certificate examn. or a *pass* in a Subsidiary subject (including " Subsidiary Standard ") of an approved Higher School Certificate examn. will be accepted in lieu of a *pass* in the corresponding subject at the Ordinary level in the General Certificate Examn. (*b*) A *pass* in a Principal subject of an approved Higher School Certificate examn. (or a *pass* in a subject of a London Univ. External Intermediate Examn.) will be accepted in lieu of a *pass* in the corresponding subject at the Advanced level in the General Certificate Examn. (*c*) A *pass* in a subject of any of the following examns. before May 1, 1951 (but *see* (x) and (xi) *below*), will be accepted in lieu of a *pass* in the corresponding subject at the Ordinary level in the General Certificate Examn.: (i) Nos. 1, 2 and 14.* (ii) The Matriculation Examn. of the Univ. of London (a pass at a Lower Alternative standard is not acceptable). (iii) The Entrance Examn. of the Univ. of Durham. (iv) The Matriculation Examn. of the Univ. of Wales. (v) No. 11* (a pass at the Lower standard is not acceptable). (vi) The Matriculation Examn. of the Univ. of Dublin, Trinity College. (vii) The Matriculation Examn. of the National Univ. of Ireland. (viii) No. 13* (a pass in a subject at the Subsidiary standard is not acceptable). (ix) The Intermediate Certificate Examn., Department of Education, Republic of Ireland (only subjects passed at the Honours standard are acceptable). (x) The Forces Preliminary Examn. up to Nov. 1953 inclusive. (xi) The Passing-out Examn. of the Royal Naval College, Dartmouth, up to Oct. 31, 1955. (*d*) The Board's requirements will be satisfied in full if a candidate (1) holds a School Certificate showing (i) passes in each of Groups I, II, III as defined in *Regulations for the Award of School Certificates*, (ii) the *Credit* standard in at least one subject from those named in para. 5 and subsequently (2) passes in three Advanced subjects at one and the same sitting of the Examn. for the General Certificate of Education. If one of the Groups I, II or III is not represented on the School Certificate, a subject of the missing group must be passed at the *Credit* standard in the School Certificate Examn., or at the Subsidiary standard in the Higher School Certificate Examn., or at the Ordinary or at the Advanced standard in the Examn. for the G.C.E.

II. *Examination for Candidates of Mature Years*

12. This examn. is for exceptional candidates who have been unable to qualify at the normal time but show promise of obtaining more than ordinary success in a Univ. course. The examn. may be taken only by candidates who desire to proceed to an approved course in one of the constituent Univs. Candidates must be not less than 23 years of age on May 1 of the year of examn. Only in exceptional circumstances will a candidate who fails in this examn. be permitted to make a second attempt. Details from the Secretary.

* V. *supra*, p. 1569.

III. *Examination for Candidates who have been engaged in Industry or Commerce*

13. Permission to enter for this examination is granted only to candidates who are not less than 19 years of age on March 31 of the year of examn. and desire to proceed to a degree course in one of the constituent Univs., having been engaged in full-time industrial, technical or commercial employment for a period of at least three years; candidates must also have attended systematic courses of instruction satisfactory to the Board for a period of at least three years and have gained at the end of the course a certif. or diploma deemed satisfactory by the Board. Details from the Secretary.

IV. *Other Qualifications accepted by the Board*

14. A candidate will be regarded as satisfying the Board's requirements if he holds any one of the following: (*a*) A degree conferred by an approved Univ. after examn. (*b*) A certif. showing that the holder has attended for at least two years full-time courses approved by the Board and has passed the final examn. of a training college accepted by the Board for this purpose. (*c*) A certif. showing that the holder is a Barrister called to the English Bar or a Solicitor admitted on the Rolls after passing the Final Examn. of the Law Society (*Fac. of Law only*). (*d*) **Either** (i) No. 11,*† or No. 12,*† provided that the candidate passed at one sitting of one of these examns. in five subjects at the Higher Grade (a pass in either Physical Science or Natural Science will be regarded as equivalent to a pass in two sci. subjects), **or** (ii) by a pass at not more than two sittings of No. 11† or No. 12† (or a pass at one sitting of No. 11† together with a pass at one sitting of No. 12†) in four approved Higher Grade subjects and two approved Lower Grade subjects, and provided that the six subjects include passes in English Language, in a language other than English, and in Maths. (or an approved Science). (*e*) *Either* (i) No. 13,† provided that at one sitting before 1952 the candidate reached the *Credit* standard in English and in four other subjects, including at least one subject of each of Groups I, II and III of the Board's School Certificate Examn., *or* (ii) No. 13,† provided that at one sitting after 1951 the candidate passes in English Lang., English Lit., an approved lang. other than English, Maths. (or an approved Sci.) and two other approved subjects, at least two of the six required subjects being passed at the Advanced level. (Passes *with Credit* in subjects offered at the Subsidiary standard are not acceptable.) (*f*) The Leaving Certificate of the Department of Education, Republic of Ireland,‡ provided that the candidate passed with Hons. at one and the same examn. in five subjects approved by the Board. Alternatively:

* Certificates gained after Dec. 1, 1947, must show a pass at one and the same examn. in five subjects at the Higher standard including at least one subject of each of Groups I, II and III of the Board's School Certificate Examination.

† V. *supra*, p. 1569.

‡ Certificates gained after Dec. 1, 1947, must show a pass with Honours at one and the same examn. in five subjects approved by the Board. These must include at least one subject of each of Groups I, II and III of the Board's School Certificate Examn.

by a pass at one and the same sitting of one of the General Certificate Examns. Nos. 3-10 * in four approved subjects at the Ordinary level, together with a pass at Honours standard in two approved subjects at one and the same sitting of the Leaving Certificate Examn. of the Dept. of Education, Republic of Ireland, provided that the six required subjects show passes in English lang., an approved lang. other than English, and Maths. (or an approved Sci.). (*g*) No. 16.* (*h*) The Matriculation Certificate of an approved British Univ. overseas (under certain conditions). (*j*) A certificate of having passed at one and the same examn. the Intermediate Examn. in Arts, Science or Medicine of an approved Univ. in India or Pakistan. (Candidates from Pakistan are required to apply to the Board through the High Commissioner for Pakistan, 35 Lowndes Square, London, S.W.1.) (*k*) *Either* the Matriculation Certificate of the Palestine Board of Higher Studies † *or*, under certain conditions, the Israeli Secondary School Leaving Certificate. (*l*) The Secondary Education Certificate, Part II, of the Egyptian Ministry of Education. On Certificates issued in and after June 1938 a pass in the Special Part must be shown. (*m*) The Baccalaureate Certificate of Iraq,‡ provided that the candidate is recommended by the Iraqi Ministry of Education. (*n*) A foreign examn. certificate which entitles the candidate to enter upon a degree course in all Faculties of a recognized Univ. of the country in which the certificate was issued if that country is not specified above.

15. The Board will exercise its discretionary power of accepting certificates of having passed other examns. of a standard at least equal to those mentioned above.

BIRMINGHAM

Before admission to a degree course in the Univ. a student must satisfy (*a*) the requirements of the Northern Universities Joint Matriculation Board (v. *supra*, p. 1570) and (*b*) any relevant Faculty and Departmental requirements (v. *infra*).

Minimum age for entrance to all Facs. of the Univ. is 17 yrs.

Faculty and Departmental Requirements

SCIENCE. *Pure Science.* Candidates for direct admission to an Hons. course in any of the following subjects of Pure Science must have passed at Advanced level, at one and the same G.C.E. examn., in the subjects indicated :

Mathematics. 3 subjects, 2 of which must be Maths. and Phys. Alternative to Phys. may be considered, but early application essential with full account of circumstances.

Physics. 3 subjects, 2 of which must be Phys. and Maths.

* V. *supra*, p. 1569.

† Certificates gained after Dec. 1, 1947, must show that at one sitting the candidate reached the *credit* standard in English, Syllabus A, and in four other subjects, including at least one subject of each of Groups I, II and III of the Board's School Certificate Examn.

‡ A certificate showing the passing of the Commerce section is not acceptable if gained after Dec. 1, 1947.

Chemistry. Chem. and 2 other subjects, normally Phys. and Maths. Applicants with biological qualifications will, however, be considered.

Zoology. 3 subjects, 1 of which must be either Biol. or Zool. If Chem. not passed at Advanced level, alternative evidence of adequate knowledge of this subject will be required.

Botany. 3 subjects, 2 of which must be (*a*) Bot. or Biol. and (*b*) Chem.

Genetics. Normally students are admitted to Hons. School of Genetics at commencement of final yr. only, transfer being possible from Hon. Schools of Zool. and Bot. and such other Schools as Prof. of Genetics may determine in consultation with Prof. of the other Hons. School concerned. In exceptional cases admittance may be obtained prior to final yr., in which case 3 subjects, 1 of which must be Zool., Bot. or Biol., must have been passed at Advanced level at one and same G.C.E. examn.

Bacteriology. Chem., Phys. and Biol. (or Bot. and Zool. in lieu of Biol.).

Geology 3 Science subjects, which may include Geog.

Geography. Geog. and 2 other Science subjects.

Anatomical Studies, Medical Biochemical Studies, Physiological Studies. Chem., Phys. and Biol. at Advanced level in the G.C.E. examn. or the Univ. 1st yr. Examn. in those subjects.

Applied Science. Students who have fulfilled the requirements of the Fac of Science by passing at the G.C.E. examn., at the necessary level, certain Science subjects as outlined in the syllabus of the Fac., are exempted from such subjects in the 1st Examns in Applied Science (Engin , Mining and Metall.) and are admitted to the 2nd yr. of the course, subject to their compliance with additional conditions laid down by the Fac. All such students are, however, required to complete at least 3 yrs of approved study before they are admitted to the Bachelor's degree. Further details of these exemptions should be obtained from the Registrar of the Univ.

School of Applied Biochemistry. Students who have passed in 3 Science subjects, normally Chem., Phys. and Biol. (or Bot.) at Advanced level, at one and same G.C.E. examn., are exempted from the 1st yr. of the course and may be admitted to the 2nd yr.

ARTS. Candidates for direct admission to a degree course, who wish to qualify by means of the General Certificate of Education, must have passed in at least 3 subjects at Advanced level at one and the same examn., in compliance with the following Departmental requirements:

(1) General Degree : at least 2 of the 3 subjects must be Arts subjects. If Latin, French or German is to be offered in degree course the lang. concerned must have been passed at Advanced level. Latin qualification not required unless the subject is to be offered for the degree.

(2) Special Schools : (*a*) *Mental and Moral Philosophy, Social and Political Philosophy, Theology and Archæology* : any 3 subjects.

(*b*) *Italian* : 3 Arts* subjects. Latin must have been passed at Ordinary level at least.

* For the purpose of these regns. the following will be considered as Arts subjects: all classical and mod. foreign langs.; English Lang., English Lit.; Anc., Med. and Mod. Hist.; Maths., Art, Music, Geog., Scripture Knowledge and Econ

(*c*) *Russian* : 3 Arts* subjects.

(*d*) *History, French and Spanish* : 3 Arts* subjects, one of which should be the subject to be studied for degree course. Latin must have been passed at Ordinary level at least.

(*e*) *English* : 2 of the 3 subjects must be Arts* subjects, one preferably a lang. other than English. Latin or Greek must have been passed at Ordinary level at least. In and after 1957 all candidates will be required to have passed in a lang. other than English at Advanced level.

(*f*) *German* : 2 of the 3 subjects must be Arts* subjects, one of which must be German. No Latin requirements for admission.

(*g*) *Classics* : 2 of the 3 subjects should be Latin and Greek.

(*h*) *Geography* : any 3 subjects. No Latin requirements for admission.

(*i*) *Music* : any 3 subjects, of which Music should normally be one. No Latin requirements for admission. Certain conditions have to be fulfilled to the satisfaction of the Prof. of Music as to adequate power of performance on some musical instrument, etc.

(*j*) *Mathematics* : one of the 3 subjects must be Maths. Some knowledge of Phys. very desirable.

MEDICINE. Candidates for admission to the 2nd yr. of Med. or Dent. must have passed in Phys., Chem. and Biol. (or Bot. and Zool.) at Advanced level at the same examn.

COMMERCE. Candidates must normally have passed in 3 subjects at Advanced level. Maths. must have been passed at least at Ordinary level.

LAW. Candidates should normally have passed in 3 subjects at Advanced level.

Note : Higher and School Certificate qualifications equivalent to the qualifications based on the General Certificate of Education will still be accepted by all Facs.

Overseas Students

Applications from overseas students to enter the Univ. must be received by the Registrar before April 1, and must be accompanied by testimonials regarding character, educational qualifications and financial standing. Overseas students are required to submit their applications through the appropriate Government authority (*e.g.* the High Commissioner for India or Pakistan, Egyptian Education Office) or through the British Council or the Colonial Office.

LEEDS

Before admission to a degree course in the Univ. a student must satisfy (*a*) the requirements of the Northern Universities Joint Matriculation Board (v. *supra*, p. 1570) and (*b*) any relevant Faculty and Departmental requirements (v. *infra*).

Minimum age for admission is 17 yrs.

* For the purpose of these regns. the following will be considered as Arts subjects: all classical and mod. foreign langs.; English Lang., English Lit.; Anc., Med. and Mod. Hist.; Maths., Art, Music, Geog., Scripture Knowledge and Econ.

Faculty and Departmental Requirements

ARTS. B.A. in Special Studies in French, Spanish or Italian or in the Modern Langs. combination when one or more of these subjects form part of the combination—a qualificn. in Latin equivalent to the Credit standard in the School Certif. Examn. of the Jt. Matricn. Bd. (This will usually be a pass at the Ordinary level in the G.C.E. examn.)

SCIENCE AND TECHNOLOGY. Information concerning specified subjects in which qualificns. are required for entry to particular courses is obtainable from the Registrar of the Univ.

MEDICINE. M.B., Ch.B.—Chem. at the Ordinary level in the G.C.E. examn., or at the subsidiary standard in the Higher School Certif. examn., and Maths. at the Ordinary level (alternative or ordinary syllabus) in the G.C.E. examn., or at the Pass standard in the School Certif. examn.

DENTISTRY. B.Ch.D.—Maths., Chem. and Phys. at least at Ordinary level in the G.C.E. examn.

Exemptions

In certain circumstances, applicants for admission to courses leading to the degrees of B.A. and B.Sc. in Special or General Studies may be exempted by the Boards of the Faculties concerned from one-year courses and corresponding examns. if they possess qualifications obtained in the G.C.E. examn. or other equivalent examn. of a sufficiently high standard. Exemptions will not be automatic and, in the case of B.A. applicants, will be granted only in exceptional cases. Subject to a minimum attendance in this Univ. of two years and to the approval of the Senate, members of other Univs. which require residence as a condition of graduation may be permitted to count their studies and examns. (other than the Final Examn.) therein towards graduation in Leeds.

Last Date for Receipt of Applications

Applications from persons whose home is in the British Isles may be received on the appropriate forms up to June 30. Applications from persons resident outside the British Isles must be received before May 31.

Overseas Students

Applicants of foreign nationality, whether resident overseas or in the British Isles, should make application through the Embassy or Education Bureau of their Government or through the British Council. Applicants from British Colonial territories must apply through the Education Department of the Colonial Office.

Applicants whose native lang. is not English must, if they wish to read for a first degree, have obtained at least the pass mark in each of the following parts of the Examn. for the Certif. of Proficiency in English of the Univ. of Cambridge: *Oral*—Dictation, Reading and Conversation; *Written*—(i) Use of English, (ii) English Lang. (Composition and a passage of English with lang. questions). Applications will, however, be considered from overseas students with equivalent qualifcns. in English, *e.g.* a pass in English in the Overseas School Certif. of the Univ. of Cambridge or a pass at the Ordinary level in English in the G.C.E. examn. of the Univ. of London.

LIVERPOOL

Before admission to a degree course in the Univ. a student must satisfy (*a*) the requirements of the Northern Universities Joint Matriculation Board (v. *supra*, p. 1570) and (*b*) any relevant Faculty and Departmental requirements (v. *infra*).

No person may register as a student who will not have attained the age of 17 yrs. on or before Dec. 31 in the yr. for which entry is sought

Faculty and Departmental Requirements

ARTS. Applicants for admission to the Fac. of Arts must have passed in Greek or Latin or Maths at the Ordinary or Advanced level in the G.C.E. examn. (for Architecture and Commerce, however, v. *infra*).

Candidates who have qualified in Maths. but not in Greek or Latin, will be required: (*a*) For the degree of B.A. in General Studies, to take not less than 5 courses of the 9 required from the following subjects: Geog., Econ., Economic Hist., Sociol., Political Sci. and Psychol. (*b*) For the degree of B.A. in Special Studies, to present themselves in any one of the following four schools: Geog., Econ , Social Sci., Psychol.

ARCHITECTURE AND COMMERCE. For admission to courses leading to B.Arch. and B.Com. there are no requirements additional to those of the Jt. Matriculation Board (v. *supra*, p. 1570).

SCIENCE. Particulars of the amount of knowledge (in terms of the syllabuses given in the Joint Matriculation Board publication: *Examination for the General Certificate of Education*, 1951) assumed as a basis for introductory courses, may be had on application to the Registrar of the Univ.

Exemption. Exemption from the first session of a course of study in subjects which are to be presented at the Subsidiary, Normal or Higher Standards, may be granted by the Fac. to candidates who have passed in the G.C.E. examn. in 3 subjects at the Advanced level and have attained a standard deemed to be satisfactory in the subjects concerned. These 3 Advanced level subjects need not necessarily be all scientific subjects. A standard higher than pass will be demanded in the 2 subjects for which exemption is claimed. The syllabuses in terms of Advanced level subjects which are desired for entry into the 2nd yr. of study are as follows:

Pure Mathematics. Maths., or Maths. and Theoretical Mechanics.

Mathematics (*Pure and Applied*). Maths. plus Phys., or Maths. and Theoretical Mechanics.

Physics. Maths. plus Phys., or Maths. and Theoretical Mechanics plus Phys.

Chemistry. For students taking Higher Chem.—Chem. plus Phys.; also Maths., or Maths. and Theoretical Mechanics, or Bot. or Zool., or Biol. or Geol. Chem. for students taking Normal or Subsidiary Chem.

Botany. Bot.

Zoology. Zool. (Biol. may be considered).

Geology. 2 of Maths., Phys., Chem. (other combinations may be considered).

Oceanography. Maths. plus Phys.; or Maths. and Theoretical Mechanics.

MEDICINE. There are no special additional requirements for entry to the Fac. of Med. It is not necessary for candidates to have taken Science subjects at Advanced level in the G.C.E. examn., but it is advisable that Phys. and Chem. should have been studied up to Ordinary level, since the 1st M.B. courses are designed on the assumption that students have an elementary knowledge of these subjects. Passes at Advanced level in Phys., Chem. and/or Biol. (or Bot. and Zool.) may entitle a candidate to exemption from the corresponding courses and examn. of the 1st M.B. Every endeavour is made to admit all eligible candidates direct to the 2nd yr. of studies, but sometimes the number of eligible candidates exceeds the number of vacancies. Those who cannot secure admission to the 2nd yr., even though they are eligible for complete exemption from the 1st M.B, and those with partial exemption, are offered opportunities of attending courses of instruction in other Facs. in order to broaden their general educn. Students with exemption in Phys. and Chem. who complete 1st M.B. Biol. by March are admitted to Anat. classes during the Summer Term.

Dental Surgery. The entrance requirements for the B.D.S. and for the L.D.S. are the same. Although there are no special additional requirements for entry to the Sch. of Dent. Surg., it is desirable that Phys. and Chem. should have been studied up to Ordinary level in the G.C.E. examn., as the 1st yr. courses for the B.D.S. and L.D.S. are designed on the assumption that students have an elementary knowledge of these subjects. Candidates who have passed at Advanced level in Phys., Chem. or Biol. (or Bot. and Zool.) are eligible for exemption from the corresponding courses and examns. for the 1st B.D.S. or L.D.S. If a candidate has passed in all these subjects at Advanced level, he is eligible to commence 2nd yr. studies.

LAW. The Fac. will not regard with favour any applicant who intends to become a Solicitor or a Barrister and who, at the date of entry into the Fac., does not possess the qualificn. for exemption from the Preliminary Examn. of the Law Society or for admission as a student into one of the Inns of Court, as the case may be.

ENGINEERING. Courses in the Fac. of Engineering are designed on the assumption that students have some previous knowledge of Maths., Phys. and Chem. Candidates are recommended to present in the G.C.E. examn. (*a*) Maths. at the Ordinary level (Syllabus II); and (*b*) either Phys. or Chem. (or, preferably, Phys. and Chem.) at the Ordinary level. In view of the small number of places in the 1st yr. of study, candidates are recommended to obtain qualificns. which will exempt them from 1st yr. courses and from the Inter. B.Eng. Examn.

Exemption. Exemption from the 1st yr. of study and Inter B.Eng. Examn. may be granted, under certain circumstances, to candidates

who have passed the G.C.E. Examn. of the Joint Matriculation Bd.* and whose performance in one of the following combination of subjects is satisfactory : (*a*) Maths. and Theoretical Mechanics (A)†, Phys. (A), Chem. (A) ; (*b*) Maths. and Theoretical Mechanics (A), Phys. (A), Chem. (O)† ; (*c*) Maths. and Theoretical Mechanics (A), Phys. (O), Chem. (A) ; (*d*) Maths. and Theoretical Mechanics (A), Phys. (A), one other subject (A or O) ; (*e*) Maths. (A), Phys. (A), Chem. (A), (*f*) Maths. (A), Phys. (A), one other subject (A).

For entrance to courses in all Depts. of Engineering except Metallurgy, the list above gives the descending order of preference. For entrance to courses in the Dept. of Metallurgy, alternative (*a*) or (*e*) is strongly recommended. In any case, candidates proposing to enter the Dept. of Metallurgy must present Chem. at the Advanced level.

The Fac. will be prepared to consider for exemption from the 1st yr. of study and the Inter. examn. other combination of subjects, provided that Maths. and Phys. have been passed at the Advanced level.

Candidates who have passed the G.C.E. examn. but have not reached a sufficiently high standard for exemption from the 1st yr. of study and Inter. B.Eng. Examn. may be considered for such exemption, provided that they satisfy the examiners in Pure Maths. and Applied Maths. separately in the Inter. Examn. before entering the Univ.

VETERINARY SCIENCE. The Fac. does not insist on any particular additional qualification. It recommends, however, that the subjects of Phys. and Chem. should have been studied up to the Ordinary level of the General Certificate of Education.

Exemptions are not granted in 1st-yr. subjects passed at Principal standard by holders of a Higher School Certificate or at the Advanced level in the G.C.E. examn.

Overseas Students

The Senate, after report from the Fac. concerned, determines before registration whether the applications of foreign, Indian and Pakistan students shall be accepted. Students from Pakistan are required to apply for admission through the High Commissioner for Pakistan and are not admitted without his recommendation. Applications for registration from overseas students must be received before Jan. 1 in each year, and must be accompanied by detailed references certifying as to character and educational qualifications. All such students before admission to courses of study in the Univ. shall satisfy the Fac. concerned that they have a knowledge of English sufficient for the purpose of their work. Except by special permission of the Senate, no student who is not normally resident in Gt. Britain will be admitted to classes or courses of study in the Univ. unless he is assured of adequate financial support.

* Or who hold a Cert. of the appropriate standard of any of the following bodies : (1) Oxford Local Examns. Delegacy. (2) Univ. of Cambridge Local Examns. Syndicate. (3) Oxford and Cambridge Schools Examn. Board. (4) Welsh Joint Educn. Cttee. (5) Univ. of Durham. (6) Univ. of London.

† A = Advanced level, O = Ordinary level.

MANCHESTER

Before admission to a degree course in the Univ. a student must satisfy (*a*) the requirements of the Northern Universities Joint Matriculation Board (v. *supra*, p. 1570) and (*b*) any relevant Faculty and Departmental requirements (v. *infra*).

Minimum age for admission to the Univ. is 16 yrs. for men, 17 yrs. for women.

Faculty and Departmental Requirements

Students entering for the following degree courses must have reached the Ordinary or a higher level in a G.C.E. examn. in the subjects named or give evidence of having attained an equivalent standard :

1. Hons. Schools in *Arts* (except Archit., Town and Country Planning, Pol. and Mod. Hist., Mod. Hist. with Econ. and Pol., Philos., Psychology, Geog. and Oriental Studies)—Latin (*or* Greek in case of Hons. Schools of English or German, *or* Maths. in case of Hons. School of Maths.), unless prepared to devote 4 yrs. to the course. Students entering Hons. course in Combined Subjects must satisfy this regln. if it applies to the Hons. course in either of the two subjects combined. The requirement of Latin may be waived for students entering by means of Mature Matriculation.

2. *Law*—Latin.

3. *Technology*—Maths. (*Note* : Where Maths. is specified as a Faculty requirement a pass at the Advanced level in " Maths. and Theoretical Mechanics " will be accepted.) The attainment of at least School Certificate Credit standard in the relevant subject will continue to be accepted until further notice.

Exemption

The 1st yr. of a degree course is an integral part of the course ; in special cases, however, students may be admitted to the 2nd or subsequent yr. if they have satisfactorily attended relevant courses at another approved Univ.

ARTS. Students entering a degree course may be exempted from attendance and examn. in one course of Inter. grade, if they have passed sufficiently well in the relevant subject at the Advanced level in the G.C.E. examn. A standard considerably above the pass mark is required.

MEDICINE AND DENTISTRY. Candidates may be exempted from attendance and examn. in Chem. and/or Phys. of the 1st M.B., Ch.B. or 1st B.D.S. examn., if they have passed sufficiently well in the relevant subject at the Advanced level in the G.C.E. examn. ; a standard considerably above the pass mark is required. The exemption is only operative under certain conditions, particulars of which may be obtained from the Registrar of the Univ.

Subject to certain conditions, a candidate may *sit* the whole or any part of the 1st M.B., Ch.B. or 1st B.D.S. examn. without having attended courses in the Univ.

Candidates entering the course for the L.D.S. who have passed in both Chem. and Phys., or in Zool., or in Bot., or in Biol., at the Advanced level in the G.C.E. examn. may be exempted from attendance and examn. in such subjects of the 1st L.D.S. examn.

OVERSEAS STUDENTS. There are no special regulns. for applicns. from overseas candidates.

SHEFFIELD

Before admission to a degree course in the Univ. a student must satisfy (*a*) the requirements of the Northern Universities Joint Matriculation Board (v. *supra*, p. 1570) and (*b*) any relevant Faculty and Departmental requirements (v. *infra*).

No student under the age of 17 may be admitted to a degree or diploma course except with the special permission of the Senate.

Faculty and Departmental Requirements

ARTS. Students must have passed in at least 2 subjects at Advanced level in the G.C.E. examn. With the exception of foreign students, who may be allowed to substitute a course in English, every candidate for the degree of B.A. must include a lang. other than English in the 1st yr. of the course. Candidates who have passed in either Latin or French at the Ordinary level in the G.C.E. examn. may be admitted to the Inter. course in Spanish without any previous knowledge of that lang. A course for beginners in Greek is also recognized as a full Inter. course under certain conditions A knowledge of Latin is not compulsory for students who wish to read for a General degree, but a qualifcn. in Latin is required for entry to Hons. Schools of Greek, English, French, Spanish, Hist. A candidate who wishes to include Music in his degree course must satisfy the Head of that Dept. as to his proficiency in the subject.

LAW. Students who intend to read for the degree of LL.B. must have passed in Latin at the Ordinary level in the G.C E. examn. or in some examn. of equal or higher standard.

PURE SCIENCE. Intending students should have passed in at least 2 science subjects at the Advanced level of the General Certificate of Education. For the General degree of B.Sc., exemption from the Inter. examn. is not granted in respect of passes in a G.C.E. A student desiring to enter a Special Hons. school may be admitted to the first (post-Inter.) yr. of the Hons. course if he has passed at an approved standard in the Advanced papers of the G.C.E. in 2 or 3 science subjects according to the requirements of the Special Hons. School concerned.

ENGINEERING. For admission to the 3-yr. degree courses in Civil, Mechanical, Electrical Engineering, Mining, and Fuel Technology, applicants should have passed at a satisfactory standard the Advanced papers of the G.C.E. in Maths., Phys. and Chem. Candidates who have complied with the requirements of the Jt. Matriculation Bd. (v. *supra*, p. 1570), but who have not attained a standard in these subjects high enough to satisfy the special requirements of the Fac., may be allowed to take an entrance examn. in the Univ. or they may be admitted to a preliminary course of one session's duration. Applicants for admission to a degree course in Glass Technology who have reached a standard satisfactory to the Fac. in Maths., Phys. and Chem., all at the Advanced level, may be exempted from the Inter. courses and examns. in those subjects.

METALLURGY. Applicants for admission to degree course should have passed in Maths., Phys. and Chem. in the G.C.E. examn. It is desirable, but not essential, that all these subjects should have been passed at Advanced level. A candidate who has passed the Advanced level papers in these 3 subjects at a standard approved by the Fac. may be deemed to have passed the Inter. examn. and be admitted to the 1st yr. of the course for the degree with Hons.

MEDICINE. Applicants should normally have reached at least the Ordinary level in the G.C.E. examn. in the subjects of Chem. and Phys., and preferably also Biol. Provided that a sufficient number of places is available, exemption from the 1st M.B., Ch.B., or 1st B.D.S. may be gained if an applicant has reached a standard accepted by the Fac. at Advanced level in the G.C.E. papers, or passed the Inter. B.Sc. examn. of an approved Univ. in Chem., Phys., Zool., and Bot. (or Chem., Phys. and Biol.), or has passed the 1st M.B. or B.D.S. examn. of an approved Univ.

Note : Higher and School Certif. qualifcns. equivalent to the qualfcns. based on the G.C.E. will still be accepted by all Facs.

Last Date for Receipt of Applications

Applications should be made on the prescribed form preferably before 1st January for entry the following October.

Overseas Students

Students from India or Pakistan are required to apply through the High Commissioner for India or Pakistan, and are not admitted without his recommendation. Egyptian students must apply through the Egyptian Minister of Education and are not admitted without his recommendation. Students whose mother-tongue is not English may be required to pass a test in English before admission, and a student whose knowledge of English proves inadequate at any stage in his course may be asked to withdraw.

BRISTOL

Minimum age for admission to the Univ. is 17 yrs.

Matriculation

The Univ. holds no Matriculation or Entrance Examn., but recognizes the examns. set forth below as qualifying for matriculation.

QUALIFYING EXAMINATIONS. (*a*) General Certificate of Education examinations held by Nos. 3, 4, 5, 6, 7, 8, 9 and 10* provided (v. *supra*, p. 1565, final para.) that the Certificate shows *either* Scheme A (Six subjects)—A pass in (*a*) English Lang., (*b*) a language other than English, (*c*) either Maths. or an approved Science subject, and three other subjects chosen from the approved list of subjects ; and provided two of the six subjects are passed at the Advanced level ; *or* Scheme B (Five subjects)—A pass in (*a*) English Lang., (*b*) a language other than English, (*c*) either Maths. or an approved Science subject and two other subjects chosen from the approved list of subjects, provided that three of these subjects, including two at the Advanced level, are passed at

* V. *supra*, p. 1569.

one and the same sitting. These three subjects must not all be taken from the same group.

Subjects approved for Matriculation. Group I: 1. English Lang. 2. English Lit. 3. Ancient History or Ancient Civilization or Greek Civilization. 4. Mediæval and Modern History. 5. Geog. 6. Economics. 7. Music. 8. Art. 9. Religious Knowledge. 10. Greek. 11. Latin. 12. French. 13. German. 14. Any other approved language. Group II: 15. Maths. or Pure Maths. or Pure and Applied Maths. 16. Applied Maths. (May not be taken with Pure and Applied Maths.) 17. Physics. 18. Chem. 19. Physics-with-Chem. (May not be taken with either Physics or Chem.) 20. General Science or Additional General Science. 21. Bot. 22. Zool. 23. Biol. (May not be taken with either Bot. or Zool.) 24. Geol. 25. Geog.

No subject may count at both Ordinary and Advanced levels.

Either Maths. or Pure Maths. or Applied Maths. or Pure and Applied Maths. will satisfy the requirements of Maths. under regulations for Schemes A and B.

Subjects 17 to 25 inclusive are approved Science subjects for the purposes of Matriculation under Schemes A and B.

A pass in English Lit. at Ordinary or Advanced level does not meet the requirement of an Ordinary level pass in English Lang.

(*b*) Nos. 1 and 2.*

(*c*) The Attestation of Fitness of the Scottish Universities Entrance Bd. granted on passes in Nos. 11 or 12.*

(*d*) Nos. 13 and 14,* under certain conditions.

(*e*) No. 16.*

(*f*) Graduation in a Univ. in the U.K. or in some other approved Univ.

(*g*) First and/or Higher School Certificates provided they fulfil the regulations in force before the inception of the General Certificate of Education.

(*h*) Trained certificated teachers' qualifications, under certain conditions.

(*i*) Passing-out Examn. of the Royal Naval College, Dartmouth.

(*j*) Forces Preliminary Examn., subject to interview.

(*k*) Sufficient qualifications for original research in case of candidate for a research degree.

(*l*) In exceptional circumstances sufficient education and attainments in the case of candidates over 23 years of age.

(*m*) Barristers-at-Law and Solicitors of the Supreme Court.

(*n*) Examns. qualifying for matriculation in any Univ. of the U.K. or in a British Overseas Univ. (including India and Pakistan).

(*o*) General Certificate of Education examination in 4 subjects at Ordinary level (including English lang. and an industrial or commercial subject) in the case of candidates who have been engaged in industry or commerce and who have previously appeared before an interviewing cttee. of the Univ.

* V. *supra*, p. 1569.

TRANSITIONAL PROVISIONS. (*a*) A pass at Credit standard in a First School Certificate examn. or a pass at Subsidiary standard in a Higher School Certificate examn. will be accepted as equivalent to a pass at Ordinary level in the G.C.E. examn.

(*b*) A pass in a principal subject in a Higher School Certificate examn. will be accepted as equivalent to a pass at Advanced level in the G.C.E. examn. Candidates who hold a First School Certificate and would have fulfilled the Univ.'s requirements for matriculation by securing a Higher School Certificate under old Regulations, will be declared qualified for matriculation if they pass in 3 subjects at Advanced level in the General Certificate of Education examn. and comply with Faculty requirements.

OVERSEAS STUDENTS. A candidate educated elsewhere than in the U.K. may submit to Senate evidence of having passed examns. equivalent to any of those qualifying for matriculation at Bristol, and, if necessary, evidence of ability to follow instruction given in English.

Faculty Requirements

ARTS. All candidates for admission must be 17 yrs. and 9 mos. of age. In addition they must hold the following examn. qualifications:

For B.A. (General or Special). A pass at Ordinary or Advanced level in Latin or Classical Greek. Candidates who are natives of Arabic-speaking countries and who have not reached the requisite standard in Latin or Greek, but have reached a recognized equivalent standard in Classical Arabic, may, on the recommendation of the Board of the Fac. of Arts, be accepted for admission to the Fac. Such candidates will be admitted only if they are qualified to read in certain Special Schools as determined by the Bd of the Fac.

For B.A. Special Economics. A pass at or above Ordinary level in either Maths. or a Classical lang.

For B.A. (Econ.): Passes at or above Ordinary level in French or German and in Maths. or a Classical lang.

LAW. Candidates are required to have passed in Latin at the Ordinary or Advanced level, or to give evidence of such proficiency in Latin as may be satisfactory to the Bd. of the Fac. of Law.

Exemption from First-Year Courses and Examinations, and Entry to Certain Special Courses

ARTS AND LAW. There is no Inter. course or examn. in these Facs., and no exemptions are granted.

SCIENCE. Candidates seeking exemption from the Inter. B.Sc. examn. must be 17 yrs. and 9 mos. of age and must have passed in the G.C.E. examn. in 3 mathematical or scientific subjects, of which 2 must have been taken at the Advanced level. Only those subjects listed in Group II of the *subjects approved for matriculation* (v. *supra*, p. 1584) are accepted for this purpose. Candidates seeking exemption from the Inter. examn. for B.Sc. (Domestic Science) must have obtained Advanced level passes in Chem. and in either Bot. or Zool. or Biol. They should also have a knowledge of Phys. to at least the Ordinary level.

The normal requirements for entry into the various Special Schools ar Advanced level passes as follows :

Anatomy. Biol. and either Chem. or Phys.

Botany. Any 2 science subjects.

Chemistry and Biological Chemistry. Chem., Phys. and either Maths. or Biol.

Geography. Geog. and any other science subject.

Geology. Any 2 science subjects, excluding Geol. ; Geol., if offered, will count as a 3rd non-compulsory subject.

Mathematics. Pure and Applied Maths. as separate subjects and a 3rd subject, preferably Phys.

Physics. Maths. and Phys. and in addition a background knowledge of Chem.

Physiology Chem. and either Zool. or Biol.

Zoology. Any 2 science subjects.

MEDICINE (including Dental Surgery and Veterinary Science). Candidates seeking exemption from the 1st M.B., Ch.B. examn., the 1st B.D.S. or L.D.S. examn. or the 1st B.V Sc examn , must be 17 yrs. and 9 mos. of age and must have passed in Phys., Chem. and either Biol. or Bot. and Zool. at Advanced level.

ENGINEERING. Candidates seeking exemption from the Inter. examn. must be 17 yrs. and 9 mos. of age and must have passed *either* at Advanced level in Pure Maths and in Applied Maths. and at Ordinary level in Phys. ; *or* at Advanced level in Maths. (Pure or Applied or Pure-and-Applied) and in Phys. Candidates should also have studied Chem. to at least the Ordinary level.

CAMBRIDGE

To become an undergraduate member of the University a person must first be admitted as a member either of a College or of Fitzwilliam House (Non-Collegiate). No person, except Research Students (*see* p. 114) and certain others, may be matriculated who has not passed or been exempted from the Previous Examn. There is no minimum age limit for admission to the University.

For admission, application should be made on prescribed forms, to be obtained from the Tutor of the Coll., except at Clare and Selwyn Colls. at which they should be obtained from the Master, and at Girton and Newnham Colls., at which they should be obtained from the Secretary. It is advisable to apply more than one year beforehand. Candidates from overseas may be assisted by the Adviser to Overseas Candidates for Admission, 1A Rose Crescent, Cambridge.

The Previous Examn. comprises : I (*a*) Latin, (*b*) Greek, (*c*) French, (*d*) German, (*e*) Italian, (*f*) Spanish, (*g*) Russian ; II (*a*) General Science, (*b*) Maths., (*c*) Biol., (*d*) Physics and Chem. ; III (*a*) English Lang., (*b*) History, (*c*) Geog., (*d*) a combined paper on Religious Knowledge, English Lit. and Art and Music.

Candidates must pass in I (*a*) or (*b*) and a second language (or a combination of papers from two other languages) ; one subject of II ;

III (*a*) and either (*b*) or (*c*) or (*d*). The three parts may be taken separately.

Natives of Asia or Africa, not being of European descent, may offer English Literature in lieu of one of the languages other than (*a*) or (*b*) in Part I, and Arabic, Chinese, Sanskrit, Persian or Pali, in lieu of I (*a*) or (*b*).

Examns. exempting from the Previous Examn.

Approved Certificates. Exemption is given for passes at the prescribed standard in examns. for approved certificates as follows: complete exemption for passes in Latin or Greek, an approved scientific or mathematical subject, English Lang., and *either* a second language other than English and one other approved subject *or* three other approved subjects; exemption from all but Latin or Greek for passes as above but without Latin or Greek; from Part I for passes in Latin or Greek and a second language other than English; from Part II for a pass in an approved mathematical or scientific subject; from Part III for passes in English Language and one other approved subject.

Prescribed standards and approved certificates are: pass in Nos. 1, 14*; pass at Ordinary or Advanced level in 1951–56 in G.C.E. examns. held by Nos. 3-10*; pass at lower standard in Nos. 11, 12*; pass at Ordinary level, provided that two approved subjects passed with credit at Ordinary level or passed at Advanced level in No. 13*; pass with Credit or "Very Good" in No. 15 (*a*)*; pass as subsid. or principal subject in No. 15 (*b*).* Also pass in Matric. examns. of Trinity Coll., Dublin, and National Univ. of Ireland, pass with honours in Leaving Certificate of Dept. of Education, Dublin, pass with Credit in Ceylon Senior School Certificate or Ceylon General Certificate of Education (English medium).

Other Exemption. Exemption is also given to Commissioned Officers of H.M. Forces who are resident in Cambridge under the orders of the Naval, Military or Air Force Authorities; and may be given to foreign officers under similar conditions. For the purpose of this regulation a Midshipman in the Royal Navy is treated as a Commissioned Officer.

The Navy, Army and Air Force Entrance Examn. and the Dartmouth Passing-out Examn. are also accepted, under certain conditions, for complete or partial exemption.

Exemption is granted to adult students who are recommended by the Board of Extra-Mural Studies as fit to undertake a course leading to an Hons. degree.

Exemption is granted to a graduate of any Univ. approved for the purpose by the Council of the Senate.

Dominions (except India and Pakistan) and Europe. A certificate qualifying for admission to an approved Univ. in a British Dominion (except India or Pakistan) or a European country may be accepted for complete or partial exemption.

India and Pakistan. A candidate who has attained the 1st class in the Inter. Examn. in Arts or Science, or the 1st or 2nd class in the examn. for the B.A. or B.Sc. in an approved Univ. of India or Pakistan is exempted from the Previous Examn., provided that in some examn.

* V. *supra*, p. 1569.

leading up to the B.A. or B.Sc. in that Univ. he has passed in an Oriental lang.

A candidate who has attained the 1st Class in the Inter. Examn. held by the Board of High School and Inter. Education of the State of Uttar Pradesh, or by the Central Board of Secondary Education, Ajmer, or in the Inter. Examn. of the Board of Inter. or Secondary Education, Dacca, is exempted if either in this examn. or the High School Examn. which leads up to it he has passed in a classical or an Oriental lang., Maths., English, and Hist. or Geog.

U.S.A. A candidate educated in the U.S.A. will be exempt if he has taken the following tests of the Coll. Entrance Examn. Board and has attained therein at one sitting a standard approved by the Council of the Senate: the Scholastic Aptitude Test (Verbal and Mathematical Sections); Achievement Tests in English Composition, in Latin Reading or Greek Reading, and in one of—Latin Reading or Greek Reading (if not already offered), French Reading, German Reading, Italian Reading, Spanish Reading, Biol., Chem., Physics, Intermediate Maths., Advanced Maths.

Egypt. Holders of the Egyptian Government Secondary Education Certif. who are not of European descent are exempt from the whole Previous Examn.

General. The Council of the Senate have discretionary power to grant exemption on other qualifications.

Admission to Advanced Standing

Any person who before matric. in the Univ. of Cambridge has received or become qualified to receive a degree from another institution for the education of adult students is entitled, on or after matric., to be approved as an Affiliated Student provided that (*a*) when he became qualified for the degree he had been a member of one or more such institutions for not less than 3 academic yrs.; (*b*) the degree has been approved for the purpose by the Council of the Senate. In particular cases the Council of the Senate may approve as an Affiliated Student a member or former member of an institution for the education of adult students who does not fulfil these requirements. Certain adult students recommended by the Bd. of Extra-mural Studies may also be approved as Affiliated Students.

An Affiliated Student is entitled to (1) be exempt from the Previous Examn.; (2) reckon the first term kept by residence as the 2nd, 3rd or 4th term for the purposes of certain provisions respecting the standing of candidates for (*a*) Tripos examns., and (*b*) degrees other than the Ordinary B.A. degree or degrees of M.Sc., M.Litt. and Ph.D.; (3) proceed to the B.A. degree, in certain circumstances, on obtaining Hons. in one part or section of a divided Tripos.

The status of Master of Arts may be granted to a member of the Univ. over 27 yrs. of age who is engaged in teaching or research, and carries M.A. privileges with regard to the Univ. Library, etc., academical dress and lodgings.

Incorporation. Admission by incorporation of graduates of Oxford and Dublin. *See* p. 111.

DURHAM

There is no minimum age for admission prescribed by Univ. regn., but in neither Division of the Univ. are degree students normally admitted under the age of 18 yrs. Students admitted to a coll. or recognized society in the Durham Division or to the Newcastle Division, or to an affiliated coll., may matriculate if they (*a*) possess a general qualification for matriculation and (*b*) comply with any special requirements for the course they propose to follow.

General Qualification for Matriculation

GENERAL CERTIFICATE OF EDUCATION. The General Certificate of Education awarded by Nos. 3, 4, 5, 6, 7, 8, 9 and 10* will constitute a general qualification provided that: (*a*) The student passed in English Lang. and *either* four *or* five other subjects. (*b*) The subjects include: (i) a language other than English; (ii) *either* Maths. *or* one of the following —Chem., Phys., Chem -with-Phys, Bot., Zool., Biol., Geol., General Science; (iii) at least two subjects at Advanced level.

If the candidate passed in English Lang. and *four* other subjects, he must have passed at one and the same sitting in three subjects other than English Lang., drawn from at least two of the following groups, two of these three subjects being at Advanced level. Group A: Arts subjects excluding languages. Group B: Languages other than English. Group C: Maths. and Sciences. Details should be checked from the regulations or with the Registrar.

Note: Credits in a School Certificate obtained before 1951 may be counted as Ordinary level passes. Higher School Certificate passes, Principal or Subsidiary, obtained before 1951 may be counted as Advanced level passes. Credits in the Cambridge Oversea School Certificate or Subsidiary passes in the Cambridge Oversea Higher School Certificate will be accepted as Ordinary level passes. Principal passes in the Cambridge Oversea Higher School Certificate will be accepted as Advanced level passes. The University will accept as a general qualification to matriculate a General Certificate of Education which does not comply with certain rules on the selection of subjects, provided that the Certificates would qualify to matriculate in a Univ. in England.

QUALIFICATIONS OTHER THAN GENERAL CERTIFICATE OF EDUCATION. (1) A candidate may be permitted by the Matriculation Board to matriculate by satisfying special tests or by recognition of certain examns. Such permission may be granted if the candidate satisfies the Matriculation Board that he has been at work for not less than two years after leaving school or that the circumstances of his education have not afforded a proper opportunity of taking the G.C.E. The Matriculation Board may require such a candidate to attain a required standard in the Entrance Examn. conducted by the Univ. in any subjects which the Matriculation Board may direct.

(2) The Attestation of Fitness of the Scottish Universities Entrance Board, granted on passes in No. 11 * or No. 12,* will qualify to

* V. *supra*, p. 1569.

matriculate if it includes any special qualification required for particular courses.

(3) No. 13 * will qualify under the same condition.

(4) The Honours Leaving Certificate of the Dept. of Education of the Republic of Ireland will qualify to matriculate provided that it includes (*a*) English, (*b*) a language other than English, (*c*) either Maths. or an approved Science subject; and provided that it includes at Hons. standard any subjects required for entry to a particular course.

(5) The following will qualify to matriculate, if they include any subjects required for entry on a particular course and if the candidate presents sufficient evidence of proficiency in English: a degree of any Univ. in the British Isles or of any other approved Univ.; a certificate awarded by any public examining body in Canada, Australia, S. Africa, New Zealand, the U.S.A., or any country in the Council of Europe, provided that the certificate qualifies for admission to an approved Univ. in the country in which it was awarded; the certificate of the Jr. Associated grade of the Council of Higher Education in Newfoundland; the Intermediate Examn. of an approved Univ. in India or Pakistan.

(6) The following certificates will qualify to matriculate if the candidate submits sufficient evidence of proficiency in English, and any subjects required for entry on a particular course are included, except that Arabic (including Classical Arabic) and Hebrew (including Classical Hebrew) may be substituted for Latin or Classical Greek for the B.A. in General Studies or (by permission) for the B.A. with Hons.: Palestine Matriculation Certificate; Egyptian Secondary School Certificate, Part II; Iraqi Baccalaureate; Israel Secondary School Leaving Certificate.

Special Qualifications for Particular Courses

(1) Students entering upon courses for degrees named below and submitting a G.C.E. must not only satisfy the general requirements for matriculation but must also satisfy the following special requirements:

ARTS. B.A. in General Studies, B.A. with Honours (except B.A. with Hons. in Town and Country Planning): Latin or Classical Greek at Advanced or Ordinary level. B.A. with Hons. in Town and Country Planning: Maths. at Advanced or Ordinary level. (Candidates entering certain Hons. Schools or offering certain langs. must comply with further requirements in regard to langs.).

APPLIED SCIENCE. B.Sc. in Applied Science (excluding Metallurgy): either Additional Maths. at Ordinary level, or Pure and Applied Maths. at Advanced level, either as a joint or as two separate subjects, and Phys. and Chem. at either Advanced or Ordinary level. (Elementary Maths. at Ordinary level in the G.C.E. may be supplemented by Additional Maths. in the Entrance Examn.).

B.Sc. in Metallurgy: Maths., Phys. and Chem., of which one shall be at Advanced level.

* V. *supra*, p. 1569.

LAW. LL.B. : Latin at either Advanced or Ordinary level.

(2) Candidates for the B.A. in Fine Art may matriculate *either* (*a*) if they hold a general qualification to matriculate, and pass the Entrance Examn. of the Dept. of Fine Art or otherwise satisfy the Hd. of the Dept. that they are qualified to take the course ; *or* (*b*) if they hold a G.C.E. with English and two subjects other than Fine Art passed at one and the same occasion, and pass the Entrance Examn. of the Dept. of Fine Art.

(3) Candidates for the L.D.S. may matriculate on a general qualification to matriculate or by passing an approved examn. in the subjects required for a general qualification to matriculate.

(4) Candidates for the (external) degree of B.Mus. do not matriculate, but must pass or be exempt from an Entrance Examn. conducted by the Univ.

If a candidate holds a G.C.E. or a certificate referred to in paras. (2)-(6) above (pp. 1589-1590), and that certificate constitutes a general qualification to matriculate but does not satisfy the special requirements for a particular course, the candidate may be permitted by the Matriculation Board to complete his qualification by attaining the required standard in specified subjects in the Entrance Examn.

HULL

Matriculation (minimum age 17) is open to the following, provided they satisfy the appropriate entry requirements for the course they propose to take :

(i) Graduates of Univs. of the United Kingdom or of such other Univs. as may from time to time be recognized by the Senate for this purpose.

(ii) Holders of a General Certificate of Education, approved as such by the Ministry of Education (v. p. 1569), which shows *either* (*a*) passes in *six* subjects (not necessarily on the same occasion) of which English Lang. is one, and of which at least *two* are at Advanced level, *or* (*b*) passes in *five* subjects of which English Lang. is one, provided that at least *three* have been taken on one and the same occasion and that at least *two* of these three are at Advanced level.

(iii) Holders of a School Certificate in which Credit standard was reached at one and the same sitting in *five* subjects including (*a*) English or English Lang. (*b*) Elem. Maths., (*c*) a foreign lang.

(iv) Holders of a School Certificate with a Credit in at least one subject and a Pass in each of the following groups: (*a*) English Lang. ; (*b*) English Lit., Hist., Geog., Scripture ; (*c*) Languages other than English ; (*d*) Maths. and Science subjects, provided that such Certificate is combined with either a full Higher School Certificate or a Certificate showing passes in four subsidiary subjects in a Higher School Certificate Examn.

(v) Qualified teachers provided that they have passed with distinction in at least one of the general subjects prescribed in a recognized Certificate Examn.

(vi) Holders of a Certificate of Attestation of Fitness issued by the Scottish Universities Entrance Board.
(vii) Persons matriculated in any other Univ. of the United Kingdom.

The Senate may also declare eligible for matriculation :

(i) A candidate who holds a full practising professional qualification obtained by examn.
(ii) In special cases, candidates over the age of 23 yrs. on their submitting to the Senate such evidence as it may deem sufficient of previous study and of the capacity and attainments requisite to enable them to pursue the course proposed.

Candidates for matriculation who are over the age of 23 yrs. and who do not hold any of the qualifications required by Regns. (i) and (ii) above may at the discretion of the Senate take an Entrance Examn. conducted by the Univ.

Requirements for Entry to Particular Courses

The following requirements are set out in terms of passes at Advanced or Ordinary level of the General Certificate of Education examn.

B.A. Special Degree

Classics. Latin (A)* and Greek (O)*. Some previous study of Anc. Hist. desirable but not essential.

English Language and Literature. Normally English (A) plus either French (O) or Latin (O) ; Latin (A) desirable. Equivalent of these in some cognate subjects may be accepted in certain cases. In special circumstances qualificns. less than these may be accepted.

French Language and Literature. French (A) and Latin (O).

Geography. Normally Geog. (A), although consideration of applicants who have not obtained this qualificn. is not precluded.

German. Normally German (A) although consideration will be given to those who have passed only at (O) level.

History. Normally Hist. (A) plus either French (A) or German (A). Latin (A) highly desirable. Equivalent of these in cognate subjects will be considered.

Latin. Latin (A). Some previous study of Anc. Hist. desirable but not essential. Some knowledge of Greek, if only to an elementary stage, desirable ; but in approved cases provision will be made for the teaching of Greek to beginners.

Mathematics. Pure Maths. (A) and Appl. Maths. (A) or similar qualificn.

Music. Normally Music (A) or some equivalent qualificn. ; a mod. lang. (O). English (A) or Hist. (A) desirable.

Philosophy. No special requirements. Good standard in Greek or Latin, or in French or German, or in Maths. or a Natural Science an advantage.

Psychology and Social Studies. No special requirements.

Theology. No special requirements, but an anc. or mod. foreign lang. (A) or at least Latin (O) desirable. Previous knowledge of Hebrew

* A = Advanced level; O = Ordinary level.

not necessary ; course in elementary Hebrew for beginners forms part of syllabus. Previous knowledge of Greek, though desirable, not essential.

B.A. Joint Degree

English. Normally English (A) plus either French (O) or Latin (O). Equivalent of these in some cognate subjects may be accepted in certain cases. In special circumstances, qualificns. less than these may be accepted.

Finnish. No special requirements.

French. French (A) and Latin (O).

Geography. Normally Geog. (A), although consideration of applicants who have not obtained this qualificn. is not precluded.

German. Normally German, preferably at (A) level, although full consideration will also be given to those who have passed only at (O) level.

Government. No special requirements

Greek. Greek (A).

History. Normally Hist. (A) plus either French (A) or German (A). Latin (A) highly desirable. Equivalent of these in cognate subjects considered.

Latin. Latin (A).

Law. No special requirements. Hist. (O) and Latin (O) desirable.

Mathematics, Applied. Appl. Maths. (A) or similar qualificn.

Mathematics, Pure. Pure Maths. (A) or similar qualificn.

Music. Normally Music (A) or some equivalent qualificn.

Philosophy. No special requirements. Good standard in Latin or Maths. an advantage.

Psychology, Social Studies, Sociology and Swedish. No special requirements.

Theology. No special requirements, but an anc. or mod. foreign lang. (A), or at least Latin (O) desirable. Previous knowledge of Greek, though desirable, not essential.

B.Sc. Special Degree

Botany. No special requirements but applicants who have not passed in Bot. (A) will normally be required to spend 4 yrs. on their course, taking Pt. I of final examn. at end of their 3rd yr.

Chemistry. Normally Chem. (A) plus 2 other subjects at (A) level. 1 of which will preferably be Maths.

Geography. Normally Geog. (A), although consideration of applicants who have not obtained this qualificn. is not precluded.

Geology. No special requirements.

Mathematics. Pure Maths. (A) and Appl. Maths. (A) or similar qualificn.

Philosophy. No special requirements. Good standard in Greek or Latin, or in French or German, or in Maths. or a Natural Science an advantage.

Physics. Phys. (A) plus either Pure and Appl. Maths. (A) or Pure Maths. (A) or Appl. Maths. (A) ; and normally either French (O) or German (O).

Psychology. No special requirements.

Zoology. Zool. (A), Chem. (A) and Bot. (A). In exceptional cases some variation of these requirements might be accepted.

B.Sc. Joint Degree

Botany. Normally Bot. (A) or Biol. (A).

Chemistry. Chem. (A).

Geography. Normally Geog. (A), although consideration of applicants who have not obtained this qualificn. is not precluded.

Geology. No special requirements.

Mathematics, Pure. Pure Maths. (A) or similar qualificn.

Mathematics, Applied. Appl. Maths (A) or similar qualificn.

Philosophy. No special requirements. Good standard in Latin or Maths. an advantage.

Physics. Phys. (A) and either Pure and Appl Maths. (A) or Pure Maths. (A) or Appl Maths. (A). In special circumstances, Maths. (O) may be accepted.

Psychology. No special requirements.

Zoology. Biol. (A) or Zool. (A).

Bachelor of Laws

No requirements additional to those for matric. but desirable that applicants have Hist. (O) and Latin (O).

Bachelor of Economic Science

Normally one of subjects at (A) level should be: Econ., English, Geog., Hist., a mod. foreign lang. or Pure Maths. (or equivalent qualificn. in Maths.). Candidates taking Geog. as Special Subject will normally be required to have this subject at (A) level. In exceptional circumstances, candidates with lower qualificns. may be admitted but they would normally be required to take 4 yrs. for their degree, including a yr. studying for a prelim. examn. Mature students or students with degrees of other Univs. may be admitted directly to the 3 yr. Hons. course provided they satisfy the Hd. of the Dept. that they have qualificns. equivalent to normal requirements for entry.

LONDON

Until further notice, the normal method of satisfying minimum entrance requirements will be through the General Certificate of Education awarded by one or more of the approved Examining Bodies.* The Certificate must comply with one or other of the two Schemes A and B.

Scheme A. The candidate must have obtained passes (not necessarily on the same occasion) in (*a*) English Lang., (*b*) a lang. other than English, (*c*) either Maths. or an approved science subject, and three other subjects, provided that: (i) at least two of the subjects are passed at the Advanced level; (ii) the subjects are chosen from the approved list.

Scheme B. The candidate must have obtained passes in (*a*) English Lang., (*b*) a lang. other than English, (*c*) either Maths. or an approved science subject, and two other subjects, provided that: (i) at least

* V. *supra*, p. 1569.

three subjects are passed on the same occasion, of which at least two must be at the Advanced level; (ii) the subjects are chosen from the approved list.

The approved list of subjects is as follows: 1. English Lang. (O) *; 2. English Lit. (O, A); 3. Geog. (O, A); 4. History (O, A); 5. Ancient History (O, A); 6. English Economic History (O, A); 7. British Constitution (O, A); 8. Economics (O, A); 9. Logic (O); 10. Religious Knowledge (O, A); 11. Greek Lit. in Translation (O); 12. Latin (O, A); 13. Greek (O, A); 14. Classical Hebrew (O, A); 15. Modern Hebrew (O); 16. French (O, A); 17. German (O, A); 18. Spanish (O, A); 19. Italian (O, A); 20. Russian (O, A); 21. Any other approved language (O, A); 22. Pure Maths. (O, A); 23. Applied Maths. (O, A); 24. Maths. (Pure & Applied) (A); 25. Physics (O, A); 26. Chem. (O, A); 27. Physics-with-Chem. (O); 28. Geol. (O, A); 29. Geometrical & Mechanical Drawing (O); 30. Engineering Drawing (A); 31. Elementary Surveying (O); 32. General Science (O); 33. Additional General Science (O); 34. Bot. (O, A); 35. Zool. (A); 36. Biol. (O, A); 37. Rural Biol. (O); 38. Music (O, A); 39 Art (O, A); 40. Handicraft (O, A); 41. Domestic Subjects (O, A); 42. Human Anat., Hygiene and Physiol. (O).

The approved science subjects for Scheme A and Scheme B will be as follows: Physics, Chem., Physics-with-Chem., Geol., General Science, Additional General Science, Bot., Zool., Biol., Rural Biol.

The selection of subjects under Scheme A or Scheme B will be subject to certain limitations.

No subject shall be counted at both Ordinary and Advanced levels. Not more than one of the subjects 39, 40 and 41 shall be counted at Advanced level.

Under Section (i) of Scheme B the three subjects passed at one and the same examn. must not all be chosen from any one of the following groups: subjects 4-7, subjects 11-21, subjects 22-32, subjects 35-38, subjects 39-41.

A General Certificate (or Certificates) of Education will be accepted for the purpose of satisfying min. entrance requirements if it fulfils the above conditions and provided that the Univ. is satisfied that there is a subject for subject equivalence with the subjects listed above.

The General Certificates of Education awarded by Durham, Joint Matriculation Board, Welsh Joint Education Committee, and Bristol, and accepted by the corresponding Univ. authorities as satisfying their minimum entrance requirements, will also be accepted by London.

In addition, certain Faculty requirements may have to be satisfied before registration as an Internal or an External Student can be effected. At present these are as follows:

Arts. Applicants for admission must have passed in two langs. other than English at Ordinary or Advanced level; one, at least, of the two langs. must be a Classical lang.

Laws. No specific Faculty requirements are laid down, but candidates for the LL.B. degree are advised to offer English History as one of their subjects.

* O = Ordinary level; A = Advanced level.

Music. Applicants for admission must have passed at Ordinary or Advanced level in a modern foreign lang.

Medicine. Candidates proceeding to degree of M.B., B.S., B.D.S., B.Pharm. or B.Vet.Med. must have passed in Chemistry and Physics at Ordinary or Advanced level.

Science and Engineering. Applicants for admission must have passed in Maths. at Ordinary or Advanced level.

Theology and Economics. No additional Faculty requirements are laid down.

It should be noted that it is not possible for a student to matriculate unless, and until, he registers as an Internal Student or as an External Student. A matriculant must be over 17 yrs. of age. The procedure is that the holder of a General Certificate of Education submits it to the Univ. for decision as to whether or not it satisfies minimum entrance requirements. If it does, he is so informed and at the same time is told that he may apply for registration as an Internal or an External Student. It is only on the completion of such registration that he will be matriculated. The registration fee of three guineas (Internal) and five guineas (External) will be exacted at the time of registration as an Internal or External Student.

Special Provisions

(1) Credits obtained in 1949 or 1950 at a School Certificate examn., or Main Subject passes at a Higher School Certificate examn., will be accepted as passes at Ordinary level and Advanced level, respectively; Higher School Certificate Subsidiary subject passes will count as Ordinary level passes, even if the candidate did not qualify for the award of a School or Higher School Certificate.

(2) Candidates who gained a School Certificate issued by one of the approved examining bodies, in or before 1950, and pass in three Advanced level subjects at one and the same examn. not later than 1954, will be deemed to have satisfied minimum entrance requirements.

(3) Candidates who hold a School Certificate and a Higher School Certificate awarded by an approved examining body, gained before April 30, 1951, will be deemed to have satisfied minimum entrance requirements.

(4) A candidate who was awarded a School Certificate or Higher School Certificate by one of the approved examining bodies may count Credits as Ordinary level passes, Subsidiary passes as Ordinary level passes, and Principal passes as Advanced level passes.

(5) A pass in a subject entered on a Certificate gained in one of the following examns. will be regarded as equivalent to a pass at Ordinary level in the corresponding subject at the General Certificate of Education Examn.:

Nos. 1, 2, 11, 12, 13* and 14 (v. *supra*, p. 1569); *Passing-out Examn. of the Royal Naval College, Dartmouth; Matric. Examn. of the Univ. of Wales; Matric. Examn. of the National Univ. of Ireland;

* In examinations marked with an asterisk the standard acceptable for matriculation is subject to special conditions.

*Leaving Cert. of the Dept. of Education, Republic of Ireland ; Adelaide Leaving Cert. ; Melbourne School Leaving Cert. ; Melbourne Univ. Matric. Examn. ; New South Wales Leaving Cert. ; Queensland Sr. Public Examn. ; Matric. Examn. of the Univ. of Sydney ; Tasmania Public Leaving Cert. ; Western Australia School Leaving Cert. ; Univ. of New Zealand Entrance Examn. ; New Zealand Dept. of Education School Cert. ; *Matric. Examn. of the South African Joint Matric. Board ; National Sr. Cert. (Matric. Equivalent) of the Union of South Africa ; *Secondary School Sr. Cert. of the Dept. of Public Education, Cape of Good Hope ; *Transvaal Secondary School Cert. ; *Orange Free State School Leaving Cert. ; Natal Sr. Certificate ; Ontario Upper School Cert. ; British Columbia Sr. Matric. Examn. ; Sr. Matric. Examn. of other Canadian Univs. and Depts. of Education ; *Ceylon Government Senior School Cert. (English) and General Cert. of Education (English medium) ; Matric. Examn. of the Univ. of Hong Kong ; *Cyprus Cert. Examn.

Candidates holding any of the above certificates may satisfy minimum entrance requirements by passing at the G.C.E. examn. in additional subjects at Advanced level, together with such Ordinary level subjects as may be required to satisfy the conditions of the various Schemes.

(6) A candidate may satisfy minimum entrance requirements if he has attained the age of 20 and has passed in 5 subjects at the G.C.E. examn., of which at least 3 must be at the Advanced level and must be passed on the same occasion, and one of the 5 subjects must be English Lang. The 3 subjects at Advanced level must be passed simultaneously after attaining the age of 20.

(7) A candidate who has attained the age of 25 and thereafter passes in 3 subjects at Advanced level at the G.C.E. examn. may be interviewed by a Board for the purpose of assessing his qualifications in general education and in regard to the degree or diploma for which he proposes to study. The Board may recommend that the candidate be considered to have satisfied minimum entrance requirements or may require him to present himself for examn. in additional subjects if thought desirable.

(8) A candidate whose native language is not English, and who is not a native of Great Britain, N. Ireland or the Republic of Ireland, may satisfy minimum entrance requirements (i) by presenting an acceptable Matriculation Certificate of a Commonwealth, or Foreign, Univ., and (ii) by passing in English at the Univ. Entrance Examn. and two subjects at Advanced level at the General Certificate of Education Examn.

Particulars of the Univ. Entrance Examn. in English and a copy of the syllabus may be obtained from the Secretary to the University Entrance and School Examinations Council, University of London, Senate House, London, W.C.1.

(9) A person who holds a full practising professional qualification obtained by examn. may apply to the Secretary to the University Entrance and School Examinations Council (address as above) for his

qualification to be considered as satisfying minimum entrance requirements.

(10) Students who have passed all the examns. for a degree of Univs. approved by the Senate will be considered to have satisfied minimum entrance requirements. The following overseas Univs.* have been approved for this purpose: In Canada—Acad., Alta., Bishop's Coll, Br. Col., Car., Dal., King's, Laval, McG., McM., Manit., Montr., Mt. All., New Br., N.S.T.C., Nfld., Ott., Qu., St. F.X., Sask., Sir G. Wms., Tor, Vic. (Tor.), W. Ont.; Australasia—Adel, Melb, N.S.W.U.T., Q'ld., Syd., Tas., W.Aust., N.Z.; S Africa—Cape T., Natal, O.F.S., Potchef., Pret., Rhodes, S.A., Stell, Rand.; India—Agra, Alig., Alld., And, Annam., Ban., Bda., Bom., Calc, Delhi, Gauh., Gujar., J. & K., Karn., Luck., Madr., Mys., Nag., Osm., Panj (I.), Patna, Poona, Raj., Saug., Trav., Utkal, VB.; Pakistan—Dacca, Panj., Karachi, Pesh., Sind; Ceylon; Hong Kong; Malaya; Malta; certain Univs. in countries outside the British Commonwealth.

Intermediate Exemption

It should be noted that in the Facs. of Arts, Medicine, Science and Engineering, complete or partial exemption from the Inter. or equivalent course and examn. can be gained by passing in appropriate subjects at the G.C.E. Examn., Advanced level. For complete exemption three, or sometimes four, passes are needed. In Arts, Sci. and Engin. there are at present very few vacancies for students who have not gained complete exemption; so that it is important that intending students should choose their Advanced level subjects in accordance with the requirements of their proposed course. Full information may be obtained from the Academic Registrar. For entry to the Internal B.Sc. (Econ.) degree course, students must have passed in three Advanced level subjects; for entry to the external course they must have passed the Prel. Examn. in Econ

NOTTINGHAM

A candidate shall be eligible to matriculate if he is at least 17 yrs. of age on Oct. 1 in yr. of candidature, and possesses one of the following: (*a*) a General Certificate of Education † awarded by Nos. 3-10 ‡ satisfying the requirements set out in final para. of p. 1565 above.

* For expansion of abbreviations v. pp. xxxvi-xxxix.

† Candidates will continue to be eligible to matriculate in the Univ. if, before March 1, 1951, they have satisfied the Univ.'s entrance requirements based on School Leaving Certificate and Higher Certificate Examns. in force up to that date. For candidates who wish to claim partial exemption from the new matriculation requirements: 1. A pass with Credit in a subject of an approved School Certificate Examn. or a pass at Subsidiary standard or in a Subsidiary subject of an approved Higher School Certificate Examn. will be accepted in lieu of a pass in the corresponding subject at the Ordinary level in the General Certificate of Education. 2. A pass in a Principal subject of an approved Higher School Certificate Examn. will be accepted in lieu of a pass in a corresponding subject at Advanced level in the General Certificate of Education.

‡ V. *supra*, p. 1569.

(*b*) A degree conferred by an approved Univ. after examn. (*c*) A certificate showing that the holder has attended a two-year full-time Teachers' Training Course and has passed a final examn. of an Area Training Organization approved by Senate for this purpose. (*d*) A Certificate showing that the holder is a Barrister called to the English Bar, or a Solicitor admitted to the Roll after passing the final examn. of the Law Society. (Dept. of Law only.) (*e*) No. 12,* provided that the holder passed at one and the same examn. in five subjects at the Higher Standard and provided that Certificates gained after Dec. 1, 1947, show a pass in English Lang. together with a pass in at least one subject from each of Sections II, III and IV of Appendix A, *infra*. (A pass in either Physical Science or Natural Science will be regarded as equivalent to a pass in two sci. subjects.) (*f*) No. 13,* provided that it entitles the holder to enter upon a degree course in a Faculty of the Queen's Univ. of Belfast. (*g*) The Leaving Certificate of the Dept. of Education, Republic of Ireland, provided that the holder passed with Hons. at one and the same examn. five subjects approved by the Univ., and that certificates gained after Dec. 1, 1947, include passes in at least one subject from each of Sections II, III and IV of Appendix A. (*h*) No. 16.* (*i*) The Matriculation Certif. of an approved British overseas Univ. (*j*) A Certificate of having passed at one and the same examn. the Intermediate Examn. in Arts, Science or Medicine of an approved Univ. in India or Pakistan. (*k*) The Matriculation Examn. of the Palestine Board of Higher Studies, provided that Certificates gained after Dec. 1, 1947, show that at one and the same examn. the holder reached credit standard in English Syllabus A, and in four other subjects, including at least one subject from each of Sections II, III and IV of Appendix A. (*l*) The Secondary Education Certificate, Part II, of the Egyptian Ministry of Education. On Certificates issued on and after June 1938, a pass in Special Part must be shown. (*m*) The Baccalaureate Certificate of Iraq provided that the holder is recommended by the Iraqi Ministry of Education. A Certificate showing the passing of the Commerce Section is not acceptable if gained after Dec. 1, 1947. (*n*) An examn. certificate awarded in countries not mentioned in the above provisions, which entitles the holder to enter upon a degree course in a Faculty of a recognized Univ. of the country in which the certificate was issued.

The Senate will consider individually, for the purposes of matriculation, certificates obtained in other examns. of a standard at least equal to those mentioned above.

The Univ. requires from applicants whose native lang. is not English a properly attested certif. of proficiency in spoken English, and may require the applicant to pass an examn. held by the Univ. before admission.

APPENDIX A

Section I

1. General Paper.

* V. *supra*, p. 1569.

Section II

2. English Lang. (O * only). 3. English Lit. 4. Greek History *or* Roman History *or* Ancient History *or* English History *or* British Economic and Social History *or* European History *or* the History of the British Empire *or* American History *or* History with Foreign Texts (counting as two Advanced subjects). 5. Geog. *or* Physical Geog. and Elem. Geol. (O only ; may not be counted with Geol.). 6. Economics *or* Economics and Political Science. 7. Religious Knowledge. 8. Greek and Roman Lit. in Translation (may not be taken with Latin and/or Greek) (O only). 9. The History and Appreciation of Art.

Section III

10. Latin. 11. Classical Greek *or* New Testament Greek *or* Modern Greek. 12. French. 13. German. 14. Spanish. 15. Italian. 16. Russian. 17. Welsh *or* Irish *or* Gaelic *or* Celtic. 18. Dutch. 19. Danish. 20. Any other approved lang.

Section IV

21. Maths. (may not be counted with Pure Maths. or Applied Maths. or Maths. and Theoretical Mechanics). 22. Pure Maths. (may not be counted with Maths.). 23. Applied Maths. (may not be counted with Maths.). 24. Maths. and Theoretical Mechanics (counts as two Advanced subjects and may not count with Mechanics or Maths. or Pure Maths. or Applied Maths.) (Advanced standard only). 25. Physics. 26. Chem. 27. Physics-with-Chem. (may not be counted with Physics or Chem. or General Science I and II) (O only). 28. Bot. 29. Zool. 30. Mechanics. 31. Biol. (may not be counted with Bot. and/or Zool., General Science I and/or II). 32. General Science I (O only). 33. General Science II (O only). (Nos. 32 and 33 may not be counted with any of the following : Physics, Bot., Zool., Chem., Physics-with-Chem., Biol., Hist. of Science.) 34. Geol. 35. Elementary Physiol. (O only). 36. Hist of Science (O only ; may not be counted with any of the following : Physics, Chem., Bot., Zool., Physics-with-Chem., Biol., General Science I and II).

Section V

Note : Not more than one subject may be offered from this section if only five subjects are offered ; not more than two if six subjects are offered.

37. Domestic Subjects (O only). 38. Handicraft (O only). 39. Geometrical and Machine Drawing (O only). 40. Music. 41. Art.

Special Entrance Examn. for Mature Candidates

Candidates unable to qualify for matriculation in the normal way but showing promise of being able to profit from a Univ. course may at the discretion of the Hd. of the Dept. concerned be admitted to a special examn. held at the Univ. in March or Sept. The examn. is open to candidates who are over 21 yrs. of age and consists of papers in (i) English, (ii) Maths., Logic, or an approved Science subject, (iii) 2 subjects chosen according to the proposed degree course.

* O = Ordinary standard.

Faculty Admission Requirements

Candidates must not only satisfy the general requirements of matriculation set out above, but for admission to certain courses must satisfy also the following special requirements. These are set out in terms of the General Certificate of Education but the Univ. will recognize qualifications of equivalent standard obtained as a result of passing other recognized examns.

Candidates for admission to courses for which no specific requirements are laid down will normally be expected to have a preliminary knowledge (to Ordinary standard in the General Certificate of Education or its equivalent) of the subject or subjects of the degree course they propose to follow, except for such subjects as Theol., Law, Economics, Philosophy, Psychol. or Sociol. which are not usually taught in schools.

Faculty of Arts

Degree of B.A. Candidates (other than those for entry to the School of Maths. and the School of Philosophy, Economics and Social Science) will be required to have passed at Advanced standard in two subjects within the purview of the Faculty. In addition, candidates for Honours in Classics, English, French, German and Spanish Studies will be required to have passed in Latin at least at Ordinary standard, and candidates for Honours in Mediæval and Modern History will be required to have passed in Latin or French or German at least at Ordinary standard. Candidates for admission to the School of Maths. will be required to have passed at Advanced standard in Maths. counting as two subjects. Candidates for the School of Philosophy, Economics and Social Science will be required to have passed at Advanced standard in any two subjects, except that these two subjects must include Maths. if the degree course includes Maths.

Degree of LL.B. Exemption from the qualifying Examn. may be granted to students who have passed a comparable examn. approved by Senate in subjects relevant to the degree of LL.B., but the degree will not normally be awarded until the student has completed three years of study in the Univ.

Degree of B.Mus. Candidates for admission will be required to have a reasonable knowledge of the theory of music, and proficiency in performance of an instrument approved by the Hd. of the Dept. of Music.

Direct admission to the Final Course may be permitted for those students who have passed the London Univ. Intermediate Examn. in subjects relevant to the degree of B.Mus., but the degree will not normally be awarded until the student has completed three years of study in the Univ.

Faculty of Pure Science

Degree of B.Sc. Candidates may be exempted from the Intermediate Course and Examn. if they furnish evidence of having passed at Advanced standard in certain specified subjects in the General Certificate of Education (normally the subjects of the first-year final course). Further details from the Registrar.

Degree of B.Pharm. Candidates may be exempted from the Intermediate Course and Examn. and accepted for direct entry to the Final B.Pharm. Course if they have passed at Advanced standard in Chem., Physics, and *either* Botany *or* Zoology *or* Biology.

Faculty of Agriculture and Horticulture

Degree of B.Sc. Candidates may be exempted from the Intermediate Course and Examn. if they furnish evidence of having passed at Advanced standard *either* (i) in Chem., Bot., and *either* Zoology *or* Phys. *or* an approved Science subject, *or* (ii) in Chem., Biol. and one other approved Science subject, which shall not be Bot. or Zool., *or* (iii) with the approval of the Bd. of the Faculty, in *two* of the subjects named in (i) above.

Faculty of Applied Science

Degree of B.Sc. Candidates (except for Metallurgy) may be exempted from the Intermediate Course and Examn. and accepted for direct entry into the Final Degree Courses if they have passed at Advanced standard in Pure Maths., Applied Maths. (or Pure-and-Applied Maths.) and Physics, except that candidates for Civil or Mechanical Engineering or Mining will be required to take a special course and examn. in Chem. at the end of their first yr , unless they have passed in Chem. also at Advanced standard.

Candidates for Metallurgy may be exempted if they have passed at Advanced standard in Maths., Physics and Chem. ; candidates who have passed only in Physics and Chem. at Advanced standard may be exempted from the Intermediate Examn. in those subjects and from attendance for the Intermediate yr., but they will be required to take the course and examn. in Intermediate Pure Maths. during their first yr.

OXFORD

Admission to the Univ. (" Matriculation ") is without respect of sex, age, nationality or creed, and follows upon admission to a Society, *i.e.* a College or Hall or Society. No one can become a member of the Univ. unless he first becomes a member of one of these Societies. An application for admission must therefore be addressed, not to any officer of the Univ., but to the proper officer of the Society to which admission is desired, *i.e.* Balliol, Queen's and Magdalen—The Senior Tutor ; Brasenose, New College, Jesus and University—The Tutor for Admissions ; St. Catherine's Society—The Censor ; in other cases —The Hd. of the Society. (*See* Colleges, etc., under Oxford Univ., pp. 457-475.) It should be made, if possible, more than one year before residence is contemplated.

Applicants for admission normally have to pass or be qualified for exemption from (*a*) Univ. entrance examn., (*b*) College entrance examn. The Univ. entrance examn. is *Responsions.* The Colleges and Halls and Societies require certain qualifications of character and intellectual attainment in which the passing of Responsions or some equivalent examn. is necessarily included.

Responsions comprises : I English Lang. ; II (*a*) Latin, (*b*) Greek ;

III (*a*) Holy Scripture, (*b*) English Lit., (*c*) English History, (*d*) French, (*e*) German, (*f*) Italian, (*g*) Spanish ; IV (*a*) Maths., (*b*) Natural Science. In order to pass Responsions, candidates are required to satisfy the Masters of the Schools in Group I, English Lang., and *either* in at least one subject from each of the Groups II, III and IV and in five subjects in all (including English Lang.), *or* in both subjects from Group II and in both subjects from Group IV. All candidates must satisfy the Masters of the Schools in two langs. other than English (of which Latin or Greek must be one), and must satisfy them *either* in all five subjects at one examn., *or* in four subjects at one examn. and in the fifth subject at a subsequent examn., *or* in three subjects at one examn. and in two subjects offered together at a subsequent examn.

Candidates must offer four or five subjects, or, if they have previously satisfied the Masters of the Schools in three or four subjects, they must offer the two subjects or single subject required to complete the examn.

Examinations Exempting from Responsions

Great Britain and Ireland, etc. A. Exemption from Responsions may be obtained by holders of the status of Bachelor of Arts or by persons accepted for admission as Service Students or Senior Students, or as candidates for the degree of B.C.L. under certain conditions, or as Advanced Students, or as candidates for the Degree of B.Litt. or of B.Phil. or of B.Sc., or who hold a degree at another Univ., such degree and such Univ. having been approved by the Hebdomadal Council, or as Students of Mature Years recommended by the Delegates for Extra-Mural Studies under certain conditions. Exemption may also be claimed by anyone who has pursued a course of study extending over 2 yrs. at a Univ. approved for Senior Status, provided that the applicant has passed all examns. incidental to his course at that Univ. and has submitted a certif. of satisfactory progress signed by a competent authority of that Univ. ; and provided further that the required course of study at an Asiatic Univ. has included the study of English and has been pursued subsequently to the Intermed. Examn. or to the corresponding stage at a Univ. which does not hold an Intermed. Examn.

B. Exemption may be granted to any person who has *either* : (i) obtained a General Certificate of Education awarded by Nos. 3, 4, 5, 6, 7, 8, 9 and 10 (v. *supra*, p. 1569) subject to passing at the Ordinary or Advanced level in English Lang., two of the langs., Latin, Greek, French, German, Italian, Spanish, Russian, Welsh, Afrikaans, of which Latin or Greek must be one, and two other approved subjects, one of which must be a mathematical or a scientific subject. Three subjects, other than English Lang., must be passed at one and the same examn. ; *or* (ii) gained a class in the Senior Freshman Examn. of Dublin or a Certificate of Fitness granted by the Scottish Universities Entrance Board, or passed in the Intermediate Arts or higher examn. of Birmingham, Bristol, Durham, Leeds, Liverpool, London, Manchester, Sheffield or one of the examns. numbered 2, 12, 13, 14, 15 (*a* & *b*), 16 * (v. *supra*, p. 1569), provided that he has passed *inter alia* in two of

* Latin or Greek must be added to this certificate at Responsions.

the above-mentioned languages, of which Latin or Greek must be one.

Dominions and Colonies. Exemption may be granted to any person who has obtained (1) a certificate of having passed *either* (*a*) the Matriculation Examn. of the Joint Board of the South African Univs., or (*b*) the Secondary School Certificate Examn. of the Education Dept. of the Transvaal or Secondary School Senior Certif. Examn. of the Dept. of Education of the Cape Province, or (*c*) the School Leaving Certif. Examn. of the Orange Free State if the holder is thereby qualified for exemption from the Matricn. Examn. of the Joint Matricn. Board of the South African Univs.; provided that it shows that he has passed in two languages, other than English, of which Latin or Greek must be one; *or*

(2) A certificate or certificates of having passed one of the following, provided he has satisfied the examiners in two of the said languages, of which Latin or Greek must be one: An examn. or examns. conducted by a Univ. or other public Educational Authority in Canada or New Zealand or Australia which satisfy the requirements for entrance to a Univ. in that country, such Univ. having been approved by the Hebdomadal Council for the purposes of Senior Status; Leaving Examn. of the Public Examns. Bd. of the Univ. of Adelaide; Leaving Certificate Examn. of the Bd. of Secondary School Studies of the New South Wales Dept. of Education; Matric. Examn. of the Univ. of Sydney; Leaving Certif. Examn. of the Public Examns. Bd. of the Univ. of W. Australia; Sr. Public Examn. of the Bd. of Post-Primary Studies and Examns. of the Univ. of Queensland; School Leaving Examn. of Univ. of Melbourne (Class B); Schools Bd. of Tasmania Certificate Examn.; Univ. of Malta Matriculation Examn.; Univ. of Hong Kong Matriculation Examn.; *or*

(3) A Ceylon Sr. School Certificate (English) with credits in *inter alia* two of the above-mentioned languages, of which Latin or Greek must be one.

[India and Pakistan—*See* A above, p. 1603.]

Foreign Students. Exemption may be granted to any person who has obtained a certificate or certificates qualifying him for admission to a Univ. in Austria, Belgium, Czechoslovakia, Denmark, Finland, France, Germany, Holland, Hungary, Italy, Norway, Poland, Sweden, Switzerland or Yugoslavia, or a Certificate of Part I of the Baccalauréat de l'Enseignement Secondaire in France, provided it shows that he has satisfied the examiners in either Latin or Greek.

Natives of Asia and Africa, not being of European or American parentage, can apply for permission to offer a substitute for Latin or Greek in Responsions or in certain certificates exempting from Responsions.

Admission to Privileged Standing: "Senior Status"

The following may be admitted to the status and privileges of a Senior Student:

(1) Any person who has obtained a degree at another Univ., such degree and such Univ. having been approved by the Hebdomadal

Council,* provided that he shall have pursued a course of study extending over 3 yrs. at the least at a Univ. or Univs. so approved, or, should the Hebdomadal Council in his case approve, partly at a Univ. so approved and partly at another or other Univs.

(2) Any person who, having been a student at a Univ. in a European country, where there is no degree in any way equivalent to that of Bachelor of Arts but where there are State or Univ. examns. at approximately the same stage as the examns. for the degree of Bachelor of Arts, has passed such State or Univ. examn., such examn. and such Univ. having been approved by the Hebdomadal Council, provided that he shall have pursued a course of study extending over 3 yrs. at the least at a Univ. or Univs. so approved.

(3) Any person who has obtained a degree at another Univ. and has also been selected to come to Oxford by some Body approved, for the purposes of this section, by the Hebdomadal Council.

(4) Any person who, though not eligible under sub-clause (1) or (2) or (3), has satisfied the Hebdomadal Council that he is particularly well qualified to be admitted as a Senior Student.

(5) Any medical student of a Univ. in the British Dominions, except India, Pakistan and Ceylon, or Colonies or in Gt. Britain and Northern Ireland may be admitted to the status and privileges of a Senior Student; provided that the Univ. shall have been approved by the Hebdomadal Council and that he shall have pursued at that Univ., or, should the Hebdomadal Council in his case so approve, at more than one Univ., for at least 3 yrs., a course of study leading to a degree in Medicine and shall have passed all examns. incidental to that portion of the course.

A Senior Student: (*a*) may reckon his 1st term as his 4th; (*b*) is not required to pass Responsions or any part of the 1st Public Examn.; (*c*) is entitled to supplicate for the degree of B.A. after having kept statutable residence for 6 terms, and having (i) obtained a place in the Class List of an Honour School of the 2nd Public Examn., or been allowed "aegrotat," or, if disqualified by standing from obtaining Honours, shown such merit as would otherwise have entitled him to a place in the Class List; or (ii) satisfied the Examiners in the 2nd Public Examn. in the Final Honour School of Nat. Sci. in Chem., Pt. I.

No Senior Student will be entitled to supplicate for the degree of B.A. except as above.

Incorporation. Admission of members of the Univs. of Cambridge and Dublin to incorporation. *See* p. 478.

READING

The University holds no Matriculation Examination.

Matriculation, minimum age 17, is open to:

1. Graduates of Univs. in the United Kingdom or other approved Univs.

* The Hebdomadal Council will not approve any degree of an Indian Univ. under this clause unless the course of study leading to it has extended to 3 yrs. subsequently to the Intermed. Examn. In most cases a First Class is required either in B.A. Honours or B.Sc. Honours or M.A. or M.Sc.

2. Until further notice —

(*a*) Persons who have passed or are exempt from the Matriculation Examination of the Univ. of London.

(*b*) Persons who have qualified for the Certificate issued on the result of an approved First Examn. for Secondary Schools and who at one and the same Examn.* have obtained passes with credit in five subjects as follows: (i) English. (ii) Maths. *or* Latin *or* Greek. (iii) Three subjects not already offered under (i) and (ii) above, chosen from the following: (1) History, (2) Geog., (3) Art or Music, (4) Greek, (5) Latin, (6) French, (7) German, (8) one other modern foreign lang. approved by the Univ., (9) Maths., (10) Mechanics, (11) Physics, (12) Chem., (13) Physics-with-Chem., (14) Bot., (15) Zool., (16) Biol., (17) General Science, (18) Religious Knowledge, provided that (*a*) persons offering Maths. under (ii) include one of the subjects (4) to (8); (*b*) persons offering (13) may not offer (11) or (12); (*c*) persons offering (16) may not offer (14) or (15); (*d*) persons offering (17) may not offer (11), (12), (13), (14), (15) or (16).

Persons desiring to qualify for matriculation in virtue of subjects not included under (iii) should apply to the Registrar.

(*c*) Persons who have qualified for the two Certificates issued on the results of approved First and Second Examns. for Secondary Schools.

(*d*) Persons who have qualified for the Certificate issued on the result of an approved First Examn. for Secondary Schools and whose attainments as shown by the result of an approved Second Examn. for Secondary Schools satisfy the Senate.

(*e*) Persons whose attainments as shown by the results of other approved examns. satisfy the Senate.

(*f*) Persons who, being at least 23 years of age, have passed a special examn. for matriculation held by the Univ. for approved candidates of mature years. (Details from the Registrar.)

In exceptional circumstances, the Senate may exempt from examn., as a condition of matriculation, persons who are able to produce such evidence of previous education and attainments as the Senate shall deem sufficient.

Requirements for Particular Courses. A candidate qualified for matriculation on the basis of results obtained in a School Leaving Certificate or Higher School Certificate Examn. will not be admitted to the course of study for the degree of B.A. unless he has passed in Latin or Greek in a First Examn. approved for Secondary Schools by the Ministry of Education or in some other examn. approved for the purpose of this Regulation by the Senate. But this requirement shall not apply in the case of candidates for the degree of B.A. with Honours in Philosophy, Psychol., Political Economy, Geog., Maths., Fine Art, Economics and Social Psychol., Economics and Social Philosophy, Philosophy and German, or Music, provided that, except with the express permission

* Until further notice, four passes with credit at one examn. and one pass with credit obtained at another examn. may be accepted.

of the Board of the Faculty, a modern foreign lang. is included in the First Univ. Examn.

A candidate who proposes to offer Latin as a subject in the First Univ. Examn. must, before entry upon the course of study for the First Univ. Examn., have passed in Latin in the Matriculation Examn. of the Univ. of London or have passed with credit in Latin in a First Examn. approved for Secondary Schools by the Ministry of Education or have passed in Latin as a Principal or Subsidiary Subject in a Second Examn. approved for Secondary Schools by the Ministry of Education or have passed in Latin in some other examn. approved for the purpose of this Regulation by the Senate.

3. *In 1951 and for six years thereafter,* persons who have obtained passes in the General Certificate of Education (v. *supra,* p. 1569) in English Lang. and in either four or five other approved subjects provided that (*a*) the subjects include a lang. other than English and either Maths. or an approved Sci. subject; (*b*) at least two of the subjects have been passed at Advanced standard; (*c*) candidates offering four subjects only in addition to English Lang. have passed at one and the same sitting in two subjects at the Advanced standard and in one other subject not related to the subjects offered at the Advanced standard.

The following subjects have been approved for the purpose of this Regulation by the Senate:

1. English Lang. (O *); 2. English Lit. (O, A); 3. History (O, A); 4. Ancient History (O, A); 5. Geog. (O, A); 6. Economics (O, A); 7. Logic (O); 8. Scripture Knowledge (O); 9. Art (O, A); 10. History and Appreciation of Art (O, A) (may not be counted with Art); 11. Music (O, A); 12. Greek (O, A); 13. Latin (O, A); 14. French (O, A); 15. German (O, A); 16. Spanish (O, A); 17. Italian (O, A); 18. Russian (O, A); 19. Other specially approved languages (O, A); 20. History with Foreign Texts (A only; counts as two subjects at A standard); 21. Maths. (O, A); 22. Applied Maths. (O, A) (may not be counted at Advanced standard unless Maths. has been taken at Ordinary or Advanced standard); 23. Physics (O, A); 24. Chem. (O, A); 25. Physics-with-Chem. (O, A) (may not be counted with Physics, Chem., or General Science); 26. Bot. (O, A); 27. Zool. (O, A); 28. Biol. (O, A) (may not be counted with Bot. or Zool.); 29. Geol. (O, A); 30. General Science (O) (may not be counted with Physics, Chem., Bot., Zool., Geol. or Biol.); 31. Physiol. (O) (may not be counted with Zool. or Biol.); 32. History of Science (O).

The following subjects have been approved by the Senate as alternative options to Maths. (*see* Clause (*a*) above): Physics, Chem., Physics-with-Chem., Bot., Zool., Biol., Geol., General Science, History of Science.

No subject may be counted at both the Ordinary and the Advanced standard.

For the purpose of Clause (*c*) above candidates who offer two subjects at Advanced standard chosen from subjects Nos. 2-20 must offer one

* O = Ordinary standard; A = Advanced standard.

subject chosen from Nos. 21-32 ; candidates who offer two subjects at Advanced standard chosen from Nos. 21-32 must offer one subject chosen from Nos. 2-20.

REQUIREMENTS FOR PARTICULAR COURSES. *Letters* : A candidate qualified for Matriculation on the General Certificate of Education will not ordinarily be admitted to the course of study for the degree of B.A. with Honours in Classics, Latin, Greek, English, French, Modern History, Latin and English Lit., Greek and English Lit., unless he has passed in Latin at Advanced standard in the General Certificate of Education (or in an examn. of equivalent standard approved for the purpose of this Regulation by the Senate), save that candidates who have passed in History with Foreign Texts at Advanced standard may be admitted to the course of study for the degree of B.A. with Honours in Modern History. Candidates who are required to offer Latin in the First Univ. Examn. in Arts must have reached Advanced level in a G.C.E. examn. in that subject before entry.

Science. No special requirements.

Agriculture and Horticulture. A candidate intending to follow either the Pass or Hons. course in Agriculture or Dairying or Horticulture is normally required to have gained, before entering the Univ., one yr.'s practical experience of a type suitable to the particular course he proposes to follow. In the case of Dairying, it is preferable that 6 mos. of the period should be spent on a dairy farm and 6 mos. in a dairy factory.

4. (*a*) A candidate who has obtained either three or four credits in a School Certificate examn. shall be deemed to be qualified by examn. for Matriculation, provided that he obtains in the General Certificate of Education *either* passes at Advanced standard in two subjects *or* a pass at Advanced standard in one subject together with passes at Ordinary standard in two subjects, if the range of subjects in the two examns. conforms with the range of subjects in paragraph 2 (*b*) above.

(*b*) A candidate who has obtained five or more credits in a School Certificate examn. but whose range of subjects does not conform with the requirements in paragraph 2 (*b*) above, shall be deemed to be qualified by examn. for Matriculation, provided that in the General Certificate of Education he obtains passes at Ordinary or Advanced standard in the subject or subjects necessary to complete the required range of subjects.

5. Persons who hold a General Certificate of Education (v. *supra*, p. 1569) which is acceptable to any Matriculating Body in England or Wales.

Exemption from First-Year Courses and Examinations

Letters. No exemption from the First Univ. Examn. in Arts is permissible, except for graduates of approved Univs.

Science. A student may be totally exempted from the Inter. Examn. if he has obtained passes at Advanced level in a G.C.E. examn. or Examns. (or the equivalent in a London Inter. or a Higher School Certificate Examn.) in the 3 subjects which he proposes to offer in the General Course and Final Examn. A student wishing to offer Microbiol. in the General Course must have obtained Advanced level passes in

Chem. and in 2 of the subjects, Phys., Bot., Zool. ; if he wishes to offer Psychol. in the General Course he must have obtained Advanced level passes in 3 of the subjects, including Phys. or Zool., that may be offered in the course Exemptions from one subject of the Inter. Examn. may be given if a student has obtained a pass at Advanced level in a G.C.E. examn. in that subject. If given such exemption in a subject which he proposes to offer in the General Course, he may nevertheless be required to attend a course in that subject.

Agriculture and Horticulture. First Univ. Examn. in Agriculture : The Course and Examn. are in two sections ; Section A consists of Phys., Chem., Bot., Zool. and Geol. (the syllabuses for which are the same as those for the Inter. Examn. in the Fac. of Science), and Section B of Econ. and the Hist. of Agric. A student may be exempted from any subject or subjects of Section A in which he has passed at Advanced level in a G.C.E. examn. (or the equivalent in the London Inter. or a Higher School Certificate examn. or other approved examn.) on the following conditions :—

(*a*) In the Examn. he must offer at least one and not more than three of the subjects of Section A. A student who would need to offer more than three of those subjects would be required to spend two yrs. on the course.

(*b*) A student intending to follow the Hons. course in Agric. Bot. or Hortic. Bot. must normally offer Bot. in the Examn. whether or not he is eligible for exemption in that subject. Similarly, a student intending to follow the Hons. course in Agric. Chem. or Hortic. Chem. or Dairy Sci. must normally offer Chem.

(*c*) A student intending to follow the Pass or Hons. course in Dairying must normally offer Phys. whether or not he is eligible for exemption in that subject ; he is not, however, required to offer Geol.

(*d*) A student who has obtained a pass in Biol. at Advanced level in a G.C.E. examn. (or its equivalent) will normally be exempted from Zool. in the Examn.

SOUTHAMPTON

Matriculation (minimum age 17) is open to persons having one of the following qualifications :

1. A degree of a United Kingdom University or other approved University.
2. A certificate qualifying for matriculation in any other Univ. of the United Kingdom.
3. The General Certificate of Education of an approved examining body (v. *supra*, p. 1569) showing passes in English Language and either four or five approved subjects, provided that the subjects include—
   (i) A lang. other than English.
   (ii) Maths. or one of the following subjects—Phys., Chem., Phys.-with-Chem., Bot., Zool., Biol., Geol., General Science.
   (iii) At least two subjects at Advanced level.

(iv) Candidates offering *four* subjects only in addition to English Lang. must have passed at one and the same sitting in three subjects drawn from at least two of the following groups, two of the three being at Advanced level: Group I—Humanistic subjects; Group II—Sciences.

4. In exceptional circumstances only, Senate may declare eligible for matriculation candidates who do not satisfy the above requirements but who can produce evidence of qualificn. in (i) English Lang., (ii) a humanistic subject and (iii) Maths. or an approved sci. subject.

Note: The Ordinary National Certificate and Joint Section A examn. of Institutions of Civil, Mechanical and Electrical Engineers, and the 4th-yr. Upper Sch. examns. of the Royal Dockyard Schools, carry exemption from certain requirements of matriculation. (Details from the Academic Registrar.)

5. A Trained Teacher's Certificate showing distinction in at least one of the subjects prescribed in a recognized Certificate examn.
6. An attestation of fitness of the Scottish Universities Entrance Board.
7. Barristers-at-Law and Solicitors of the Supreme Court.
8. Students in the Univ. who have obtained the Cert. in Social Studies after not less than 2 yrs.' residence in the Univ. may, by special permission of the Senate, be considered to have matriculated in the Univ. at the beginning of their final yr. of study for the Cert.
9. In special cases evidence of sufficient education, capacity and attainments where the candidate is over 23 years of age.
10. OVERSEAS STUDENTS. Candidates educated outside the United Kingdom who can produce such evidence as Senate may consider sufficient of examns. passed equal to any of the above-named and of ability to follow instruction in English.

Entrance Examination

Candidates for Matriculation who do not come under the foregoing categories may, at the discretion of the Heads of Depts. concerned, take an Entrance Examn. conducted by the Univ. consisting of five subjects including English, a foreign lang., Maths. or an approved Science. All subjects must be passed at one and the same examn., special proficiency in at least two of the subjects being required.

Faculty and Departmental Entrance Requirements

In addition to matric. requirements, candidates for degrees must satisfy the following special requirements of both the particular Fac. and Dept. to which entry is sought.

ARTS. Candidates for admission to any course leading to the B.A. must have 2 langs. other than English at Ordinary or Advanced level in the G.C.E. or equivalent examn.; one at least must be Latin or

Greek * except in the case of the following B.A. General courses, when neither of the 2 langs. need be classical: † Econ.; Geog.; German; Hist.; Maths.; Music; Philos.; Theological Studies. French or Spanish with (*a*) Econ. and/or Geog. as 3-yr. subjects or (*b*) as a one-yr. course. French or Spanish otherwise requires an Ordinary level pass in a classical language.

Candidates for *B.A. Honours* must normally satisfy the Fac. lang. requirement and also the following Departmental requirements of G.C.E. Advanced level passes or equivalent examn. in the subjects shown:

Hons. in English. English, a classical lang. and one other subject. In exceptional circumstances applicants who have obtained passes in Engl. and two other Advanced level subjects, but who have not taken Latin or Greek at Advanced level, may be admitted to the course on condition that they take Latin or Greek as an ancillary subject in the 1st yr. and pass the examn. in this subject.

Combined Hons. in Classics and English. English, Latin (or Greek) and one other subject.

Hons. in French. French, a classical lang. and one other subject. Applicants who have passed in Latin at Ordinary level only may be admitted to the Hons. course but they will normally be required to take Latin as a 1st-yr. course.

Hons. in Geography.‡ Geog. and 2 other subjects and an Ordinary level pass in French.

Hons. in German. Ordinary level pass in Latin or Greek. In exceptional circumstances, exemption will be granted from this requirement on condition that a course in Greek (or Latin, if available) is taken during the 1st yr.

Hons. in History. Ordinary level pass in Latin. In special cases exemption will be granted from this requirement on condition that an appropriate qualificn. in Latin is obtained before graduation.

Hons. in Maths.‡ Pure Maths.; Appl. Maths.

Hons. in Philosophy.‡

Combined Hons. in Philosophy and Pure Maths.‡ Pure Maths.

SCIENCE. Candidates for admission to any course leading to the B.Sc. must have passed the G.C.E. examn. or equivalent examn. in Maths. and in 2 science subjects. A pass at Advanced level is required in either the 2 science subjects or in Maths. and 1 science subject. Candidates for admission to a course leading to the B.Sc. Special Honours must also

* (i) In the case of non-European candidates other langs., such as Classical Arabic, would be considered on special application.

(ii) In exceptional circumstances candidates qualified in only one lang., other than English may be considered for admission to the Fac.

† Candidates who are granted Matric. under the Mature Age Regulns. and who do not fulfil these requirements must apply to the Fac. Bd. stating their qualificns. for the course that they wish to pursue. Their admission to such course is subject to the permission of the Bd.

‡ In these Hons. Schools neither of the two langs. other than English, normally required by Fac. regns., need be classical.

comply with the Departmental entrance requirements of *three* G.C.E. Advanced level passes, or equivalent qualifcn. including the Special subject (and 2 others) as follows :

Botany. Bot. (or Biol.), Chem. and 1 other science subject.

Chemistry. Chem., Phys., 1 other science subject. In special circumstances Appl. Maths. or other science subject may be accepted in place of Phys.

Geography. Geog. and any 2 science subjects, with normally a pass at Ordinary level in French.

Geology. Any 3 science subjects. No previous knowledge of Geol. is required.

Mathematics. Pure Maths. ; Appl. Maths.

Physics. Phys., Maths. and 1 other science subject.

Zoology. Zoology (or Biol.), Chem. and 1 other science subject.

In special circumstances, with the approval of the Dean and the Hd. of the relevant Dept., candidates who have passed at Advanced level in only 2 science subjects, or in 2 science subjects and 1 Arts subject, may be admitted to a course for which the regns. require 3 passes in science subjects at Advanced level.

ENGINEERING. Advanced level Phys., Pure and Applied Maths. (or Pure Maths. and Applied Maths.), Ordinary level Chem. in the G.C.E. or equivalent examn.

The Ordinary National Certificate and a pass in the Upper School Examn. of any of the Royal Dockyard Schools are accepted on the same terms as for Matric., but a candidate seeking to qualify in Maths. by virtue of the Ordinary National Certificate must have passed in that subject with distinction or have satisfied the examiners in the Maths. papers of the Industrial Scholps. Examn. of the Univ.

ECONOMICS. There are no Fac. requirements, other than Matric., for entry to the first yr. of a degree course, at the end of which there is a qualifying examn. Exemption from the qualifying examn. and direct entry to the three-yr. final course may be obtained by a candidate in any subject in which he has passed the G.C.E. Advanced level, the Higher School Certificate Main standard, the Preliminary Economics Examn., or the Intermediate Examn. in Economics, Commerce, Arts or Science, of the Univ. of London.

LAW. No special requirements other than Matric.

Transitional Provisions

Candidates may claim partial exemption from the matric. requirements for the G.C.E. by virtue of performance in the School Cert. or Higher School Cert. Examn. as follows :

(*a*) A pass with Credit in a School Cert. Examn., or a pass at Subsidiary standard in a Higher School Cert. Examn., taken before March 1, 1951, will be accepted in lieu of a pass in the corresponding subject at the Ordinary level in the G.C.E.

(*b*) A pass at Principal standard in a Higher School Cert. Examn. taken before March 1, 1951, or a pass in a London Univ. Inter. Examn.,

will be accepted in lieu of a pass in the corresponding subject at Advanced level in the G.C.E.

Candidates will continue to be regarded as eligible to matriculate in the Univ. if they hold *either* :

(i) A School Cert. in which Credit standard was reached at one and the same sitting in five subjects including (*a*) English Lang., (*b*) Elementary Maths., (*c*) a foreign lang. ; *or*

(ii) A School Cert. with a Credit in at least one subject and a pass in each of the following groups : (*a*) English Lang., (*b*) English Lit., Hist., Geog., Scripture, (*c*) Langs. other than English, (*d*) Maths. and Science Subjects ; provided that such Cert. is combined with either a full Higher School Cert. or a Cert. showing passes in four Subsidiary subjects in a Higher School Cert. Examn.

WALES

The Univ. of Wales no longer holds a Matriculation Examn. and admission is now mainly determined on candidates' performance at the examns. of the Welsh Joint Education Committee for the General Certificate of Education.

For candidates seeking exemption through the examns. of the Welsh Joint Education Committee for the General Certificate of Education, the approved subjects * are : 1. English Lang. (O †) ; 2. English (O, A) ; 3. Welsh Lang. (O) ; 4. Welsh (O, A) ; 5. Scripture (O, A) ; 6. History (O, A) ; 7. Greek and Roman History (O, A) ; 8. Greek (O, A) ; 9. Latin (O, A) ; 10. French (O, A) ; 11. German (O, A) ; 12. Any other lang. approved by the Univ. (O, A) ; 13. Economics (O, A) ; 14. Maths. (O) ; 15. Pure Maths. (A) ; 16. Applied Maths. (A) ; 17. Pure and Applied Maths. (A) ; 18. Mechanics (O) ; 19. Physics (O, A) ; 20. Chem. (O, A) ; 21. Bot. (O, A) ; 22. Zool. (A) ; 23. Biol. (O, A) ; 24. Geol. (O, A) ; 25. Practical Plane and Solid Geom. (O) ; 26. Geometrical and Machine Drawing (O) ; 27. General Science (O) ; 28. Agricultural Science (O) ; 29. Geog. (O, A) ; 30. Music (O, A) ; 31. Art (O, A) ; 32. Domestic Subjects (O).

Candidates may not count more than one of the subjects in each of the following groups : 1 and 3 ; 14, 15 and 17 ; 14, 16, 17 ; 18, 19 ; 21, 23 ; 22, 23 ; 25, 26 ; 27, 28. No candidate who counts 27 or 28 may count one of 18–24, and no candidate may count at Advanced level both 30 and 31. The same subject may not be counted at both Ordinary and Advanced levels.

In order to satisfy minimum entrance requirements, a candidate must pass in (i) English Lang. *or* Welsh Lang., and *either* four *or* five other subjects, at least two of which must be passed at the Advanced level; (ii) an additional language other than that selected under (i); (iii) Maths. *or* an approved Science subject. Candidates who have passed in only four subjects in addition to English Lang. or Welsh Lang. must have passed on one and the same occasion in three subjects, one of

* Subject Nos. 18–29 are approved Science subjects.
† O = Ordinary level ; A = Advanced level.

which is not related to the other two and two of which are at Advanced level. " Related " subjects are : (i) 8-12 ; (ii) 14-28.

The minimum age for matriculation is 17 years.

Note: The certificates of candidates desiring exemption must in general comply either with the conditions of exemption in force at the time of the award of the certificates or with the present examn. requirements.

For the purposes of a transitional period, a credit in a subject at an approved School Certificate examn., or a pass in a subject at Subsidiary subject level in an approved Higher School Certificate examn. will be regarded as equivalent to a pass in that subject at Ordinary level in an examn. for a General Certificate of Education, and a pass in any subject at the Principal subject level of an approved Higher School Certificate examn. will be regarded as equivalent to a pass in that subject at Advanced level in an examn. for a General Certificate of Education.

Exempting Examinations

A graduate of an approved Univ. or Coll., or a Barrister-at-Law, or a Solicitor of the Supreme Court of Judicature in England and Wales, or an Advocate or other legal practitioner in Scotland, or a medical practitioner registered in the United Kingdom may qualify for matriculation.

United Kingdom. General Certificates of Education awarded by Nos. 3–9* provided that the candidates are certified to have qualified for matriculation in one of the Univs. : Birmingham, Bristol, Durham, Leeds, Liverpool, London, Manchester, Nottingham, Reading, Sheffield, under that Univ.'s provisions for recognizing the General Certificate of Education ; and Nos. 12 (Higher standard), 13 (Credit standard), 14 and 15.*

Other Parts of the Commonwealth and Foreign Countries. The matriculation examn. of a Univ. in Canada, Australia, New Zealand or South Africa which is listed in the *Commonwealth Universities Yearbook*.

The matriculation examn. of an approved Univ. in Belgium or Holland, the Intermediate examn. in Arts or Science of an approved Univ. of India or Pakistan, or of the Univs. of Malta, Hong Kong or Ceylon, or the examns. for the French Baccalauréat, or the Iraqi Baccalaureate, together with a certificate of fitness from the Iraqi Ministry of Education, if certified in each case by a constituent Coll of the Univ. of Wales to possess a sufficient knowledge of English.

The matriculation examns. of the Swiss Univs., the Royal Norwegian Ministry of Church and Education, the Palestine Board of Higher Studies, the Entrance examns. of the Univ. of Iceland ; the Secondary Education Certificate examn., Part II, of the Egyptian Ministry of Education (with pass in Special Part) ; provided in each case that the candidate passes in the subjects required.

A pass with credit in a subject in the Ceylon Sr. School Certificate (English) examn. is recognized as equivalent to a pass at the Ordinary

* V. *supra*, p. 1569.

level in that subject at the General Certificate of Education examns., provided that the passes at the Ordinary level comply with the grouping requirements and are supplemented by two passes at the Advanced level in an examn. conducted by the Univ. of London (or any other approved examining body).

Special Exemptions

Candidates of 23 or more years of age, if specially recommended by one of the constituent Colls. as having reached a satisfactory standard of educn.

Candidates of 20 or more years of age, who have been either full-time pupils for at least two years at an approved Adult School or have been candidates for a Univ. diploma and for at least one year full-time students at a constituent Coll. or an Associated Theological Coll., are not required to satisfy the condition of passing in two subjects at the Advanced level, and may have passed in only four subjects in addition to English Lang. or Welsh Lang., of which one must be a lang. and one Maths. or an approved science subject, provided in each case that they are specially recommended by a constituent Coll. for admission.

Candidates who have passed the appropriate Ordinary National Certificate at a recognized teaching centre, after three years at least in industry, have passed in English Lang. at the General Certificate of Education examn., and are recommended for an approved degree course by a constituent Coll., and such recommendation has been approved by the Academic Board, may qualify for Matriculation.

Faculty and Departmental Requirements

Aberystwyth U.C. For Hons. in Hist. candidates must have at least a translation knowledge of Latin and French. For schemes of study containing Chem. a sufficient knowledge of Phys. is required, and for Admission to Final courses in Zool. an adequate knowledge of Chem. is required. For certain courses in Rural Science it is advisable to have a period of practical farm experience.

Bangor U.C. For Hons. in Greek, Latin, English, French, Hebrew or Hist. a pass at Ordinary level at least is required in Greek or Latin. For Hons. in Hist. a reading knowledge of Latin is required. Hons. in For. is restricted to those who have Maths., Chem., Phys., at Ordinary level, and passes at Advanced level in 2 or more of the following: Chem., Phys., Bot., Zool.

Cardiff U.C. For Latin, French or Maths. a pass at Advanced level or equivalent is required. For Hons. in Welsh a knowledge of Latin is required. For Hons. in Hist. usually a translation knowledge of Latin and French is required.

Swansea U.C. For Hons. in Hist. candidates must have an adequate reading knowledge of Latin, or French, or German, or Welsh. For Hons. in Phys. candidates should have Advanced level passes in Phys. and Maths. For Hons. in Chem. candidates should have Advanced level passes in Phys. and Chem. For degree courses in Engin. candidates should have advanced level passes in Maths. and Phys., and preferably

also in Chem. For degree courses in Metallurgy candidates should preferably have Advanced level passes in Maths., Phys. and Chem.

Welsh National Sch. of Med. It is not a condition of entry that a student should pass in any particular subject.

Exemptions from Intermediate Courses, etc.

The B.A. Hons. course is one of 3 yrs., but students may be required to spend 2 yrs. instead of 1 yr. over the 1st part of the course, especially if the subjects passed at Advanced level make pursuance of the course in 1 yr. inadvisable. Normally 3 passes at Advanced level, and sometimes 2, ensure entry to a course requiring only 1 yr.'s pursuance. For entry to depts the subjects of which are not normally taught in schools, recognition is sometimes given to passes at Advanced level in subjects which are allied or considered to be suitable equivalents.

The B.Sc. Hons course is one of 4 yrs., but students may be exempted from the Inter. course in subjects passed at Advanced level ; this makes possible the completion of an Hons. course in 3 yrs. Admission to the 2nd-yr. course of subjects, which cannot usually be taken at school, may be granted by virtue of Advanced level passes in subjects regarded as allied or ancillary, *e g.* admission is possible to 2nd-yr courses in Metallurgy and in Engin. for those with Advanced level passes in Maths., Phys. and/or Chem.

UNIVERSITY COLLEGE OF NORTH STAFFORDSHIRE

Candidates for admission must normally be not less than 17 yrs. of age on Oct. 1 of the yr. in which they desire to be admitted.

The following are eligible for admission : 1. Graduates of Univs. of the United Kingdom, or of such other Univs. as may be approved by the Senate.

2. Holders of approved Higher School Certifs., provided they also hold approved First School Certifs. under the arrangements which maintained until the introduction of the General Certificate of Education.

3. In exceptional cases, holders of approved School Certifs., provided that the certif. shows a pass with credits in five subjects taken at one and the same examn. Of these five, one must be English Lang., and the other four must be separate subjects. The meaning of " separate subject " is that the subject must not either wholly or in part be included in any other subject, *e.g.* General Science will not be allowed with Physics or Chem. In such cases, sp. importance will be attached to the interview and an addtnl. examn. may be required.

4. Students who satisfy the transitional requirements for 1951–55 as set out by Univ. Examining Bds., such as the Northern Universities Jt. Matriculation Bd.

5. Holders of academic certificates, or such other proof of academic attainment as may be accepted by the Senate as equivalent to 3 and 4.

6. Candidates who have been engaged in some Trade or Profession, provided that they (*a*) have been so engaged for a period of not less than 3 yrs. and during that time have attended systematic courses of study, *e.g.* Univ. tutorial classes. Sp. importance will be attached to

the interview. Approved candidates will be allowed to take a sp. entrance examn. designed to test their capacity to benefit by the courses of study in the Coll.; (*b*) submit an applicn. to the Registrar not later than March 31 of the yr. in which they desire to be admitted; (*c*) have attained the age of 19 on Oct. 1 of the yr. in which they desire to be admitted, and if required, pay an examn. fee of £2.

7. Holders of a General Certificate of Education (v. *supra*, p. 1569) approved as such by the Ministry of Education, according to the scheme approved by other Univs. and Univ. Colls., namely, the certif. must show EITHER:

Scheme A. (Six subjects.) A pass in (*a*) English Lang., (*b*) a lang. other than English, (*c*) *either* Maths. *or* an approved Science subject and three other subjects chosen from the approved list of subjects; and provided two of the six subjects are passed at the Advanced level; OR

Scheme B. (Five subjects.) A pass in (*a*) English Lang., (*b*) a lang. other than English, (*c*) *either* Maths. *or* an approved Science subject and two other subjects chosen from the approved list of subjects; provided that three of these subjects, including two at the Advanced level, are passed at one and the same sitting. These three subjects must *not* all be taken from the same group.

Subjects Approved for Matriculation

Group I. 1. English Lang. 2. English Lit. 3. Anc. Hist. *or* Anc. Civilization *or* Greek Civilization *or* Mediæval and Mod Hist. *or* Biblical Hist. and Lit. 4. Geog. 5. Econ. 6. Music *or* Art *or* Religious Knowledge *or* Domestic Science. 7. Greek. 8. Latin. 9. French. 10. German. 11. Any other approved Lang. 12. General paper.

Group II. *13. Maths. *or* Pure Maths. *or* Pure and Applied Maths. *14. Applied Maths. (May not be taken with Pure and Applied Maths.) 15. Physics. 16. Chemistry. 17. Physics-with-Chem. 18 (*a*), General Science I, and 18 (*b*), General Science II. General Science I *and/or* II may *not* be counted with any of the following: Physics, Chem., Physics-with-Chem., Bot., Zool., Biol. 19. Bot. 20. Zool. 21. Biol. (May *not* be taken with either Bot. or Zool.) 22. Geol.

8. Candidates who have passed No 16 †

9. Trained Certificated Teachers, provided they have passed with distinction in at least one of the general subjects prescribed in a recognized Certif. Examn.

10. In exceptional cases, holders of such qualificns. as shall satisfy

* Candidates submitting Northern Universities Jt. Matriculation Bd. certifs. in which maths. subjects are designated as follows: "Maths." and "Maths. and Theoretical Mechanics," may offer 13. Maths., 14. Maths. and Theoretical Mechanics (counts as two Advanced subjects but may not be counted with Maths.).

No subject may count at both Ordinary and Advanced levels. *Either* Maths. *or* Pure Maths. *or* Applied Maths. *or* Pure and Applied Maths. will satisfy the requirements of Maths. under regulations for Schemes A and B. Subjects 15 to 22 inclusive are approved Science subjects for the purposes of Matricn. under Schemes A and B.

† V. *supra* p. 1569.

the Senate of the high quality of the candidate, provided that these qualificns. show him to be acceptable for the courses offered at the Coll.

11. Candidates who have satisfied the examiners in the Passing-out Examn. of the Royal Naval Coll., Dartmouth.

12. Candidates who have passed the Forces Prelim. Examn.

SCOTTISH UNIVERSITIES

Summary of Qualifications for Admission to Degree Courses in Scottish Universities

No applicant for admission to a degree course in any Scottish Univ. may be accepted unless he holds the Certificate of Attestation, which is issued by the Scottish Univs. Entrance Board to those who have proved their educational fitness in one or other of the following ways :

(1) Applicants who have been admitted to an approved Degree (other than Honorary) of a British or recognized overseas Univ.

(2) Applicants who have obtained passes in the Scottish Leaving Certif. and/or in the Entrance Board's Prelim. Examn. in not more than two sessions of examn. in subjects taken from the following groups : I. English, Hist. and Geog. ; II. Maths., Addnl. Maths. (*i e.* any two of Dynamics, Geom., Elem. Analysis), Sci. (*i.e.* any two of the following branches of Sci., viz. : Physics, Chem., Bot., Zool., Geol.) ; III. Latin, Greek, French, German, Italian, Spanish, Gaelic, Hebrew, Russian, Arabic, Hindustani (Urdu or Hindi), Irish, Norwegian, Persian, Sanskrit, Swedish, Turkish, Welsh ; IV. Music and (Scottish Leaving Certif. only) Applied Sci., Afrikaans, Amharic, Armenian, Bengali, Burmese, Chinese, Czech, Danish, Dutch, Efik, Ewe, Fanti, Ga, Ganda (or Luganda), Modern Greek, Gujarati, Hausa, Hungarian, Ibo (or Igbo), Icelandic, Japanese, Kanarese, Malay, Malayalam, Marathi, Oriya, Pali, Polish, Portuguese, Punjabi, Roumanian, Serbian, Siamese, Sindhi, Sinhalese, Southern Sotho, Swahili, Tamil, Telugu, Twi, Yoruba. The Board requires four passes to be obtained on the Higher standard, or three on the Higher and two on the Lower standard. There must always be a pass on the Higher standard in English and in two subjects selected from Group II and Group III ; and there must be passes in at least one subject from Group II and one from Group III.

(3) Applicants who present General Certificates of Education issued by any of the Examining Bodies, 3-10,* showing that passes have been obtained in subjects recognized by the Board that must include the following : (i) English Lang. ; (ii) either Maths. or a recognized Science ; and (iii) a language other than English. The subjects are : Group I, English Lang., English Lit. ; Geog. ; Ancient Hist., Modern Hist. Group II, Maths. (Pure) ; Applied Maths. ; Physics ; Chem. ; Bot. ; Zool. ; Geol. Group III, Latin ; Greek ; French ; German ; Spanish ; Italian ; Gaelic ; Welsh ; Irish, etc. Group IV, Art and Music.

There must be passes *either* in six such subjects, at least two of them having been awarded at Advanced level, of which one must be a Group II or Group III subject ; *or*, if there are passes in only five such subjects,

* V. *supra*, p. 1569.

there must be three passes at Advanced level, one at least from Group II or Group III and the three from not fewer than two of the Groups. (Three passes, including at least two at Advanced level, must have been gained at one sitting.)

Note 1. Passes at Ordinary standard in the London Matricn. Examn., credits in English School Certificates taken at home or overseas centres, or passes on the Subsidiary standard in Higher School Certificates, will be treated as if they were passes at the Ordinary level, and passes at Main or Principal standard in such certificates and passes in the Inter. Arts or Inter. Science Examns. of the Univ. of London, as if they were passes at the Advanced level in the General Certificate of Education, if collectively they satisfy this rule.

Note 2. A Sr. Cert. of the Ministry of Education, N. Ireland—(*a*) issued in 1951 or earlier—will be accepted up to Jan. 31, 1956, if it contains five subjects recognized by the Board, including the three compulsory subjects of the above rule; and, if all the subjects have been taken at Main standard, if there are credits in three of them, including English and at least one from Group II or Group III; or, if the foreign lang. has been taken on the subsidiary standard, if there are credits in four subjects including a Group II subject and English. (*b*) Issued in 1952 or later—will be accepted if it contains passes in at least six subjects recognized by the Board, including English Lang.; English Lit.; a language other than English and a Mathematical or Scientific subject, on condition that three of the passes are at the Advanced level, one of them being either in a lang. other than English or in a Mathematical or Scientific subject, and that all six passes have been gained at not more than two separate sessions of examn.

(4) Passes at 50 per cent., or better, shown in a Certif. qualifying the applicant for entry on a degree course in Arts, Pure Sci. or Med. at a recognized Univ. of the Republic of Ireland, Canada, Australasia or of the Union of South Africa, if they are in subjects recognized by the Board, will count (1) as passes at Ordinary level if the holder completes his qualifications by means of the General Certif. of Educn. examn. (Clause 3 above), or (2) as passes on the Lower standard if he completes by the Entrance Board's Prelim. Examn. (Clause 2 above). Alternatively a certif. signed by the Registrar of a recognized Univ. in these countries stating that the applicant has completed satisfactorily the first two yrs. of a course leading to a Degree in Arts, Pure Sci. or Med., and has duly passed in all the subjects of his course up to that point, will qualify for the Certificate of Attestation.

(5) Evidence of the satisfactory completion of the second yr. of a course leading to a degree in Arts or Pure Sci. or of the pre-medical course, of a Univ. or Coll. in the U.S.A. (other than a Jr. Coll.) appearing in the current list published by the American National Cttee. of Regional Accrediting Agencies, will qualify for the Board's Certificate of Attestation if the applicant's academic record shows Grades averaging not below B. in such of the following subjects as have been included in the first two yrs. of his academic course: English, Foreign Langs., Maths. (Pure and Applied), Sci., Hist., Geog., Art and Music.

(6) A School Leaving, Matricn. or Univ. Entrance Certif. awarded in any one of the following countries and qualifying unconditionally for entrance on a course leading to a Degree in Arts, Pure Science or Med. in a recognized Univ. of that country, is acceptable : (*a*) if it contains passes of " Satisfactory " (or higher) grade in six of the subjects detailed in para. 3 above, and these include (1) the language of the country issuing the Certificate ; (2) a second recognized language ; and (3) either Maths. or a recognized Science ; and (*b*) if at least two of these passes (which must include English or a subject of Group II or Group III [taken in the written examn.]) are graded as " Very Satisfactory " ; *and* (*c*) on condition that it is supplemented by (1) a London Univ., or Cambridge Senior, Certificate of Proficiency in English ; or (2) a pass in Special English in the Entrance Board's Preliminary Examination ; provided that exemption from this condition will be granted if the Grade " Very Satisfactory " has been awarded in English (written and oral). A Certif. that fails to satisfy clauses (*a*) and (*b*) of this Rule for want of a sixth subject, or in respect of the grade of pass required in one subject only, may be made good by a pass of the requisite standard in an appropriate subject obtained either (1) in a subsequent session of the original examn., or (2) in the Entrance Board's Preliminary Examn., in which the pass must be on the Higher standard ; or (3) in the English General Certif. of Educn. Examn., in which the pass must be on the Advanced level.

The countries are : Norway, Sweden, Denmark, Iceland, Holland, Belgium, France, Luxembourg, Switzerland, Western Germany and Italy, and probably Spain, Portugal and Finland.

Full information as to the regulations for examns. and for exemptions can be obtained from the Secretary, Scottish Univs. Entrance Board, Westerlea, Kennedy Gardens, St. Andrews, Scotland.

ABERDEEN

Before admission to a degree course in the Univ. a student must satisfy (*a*) the requirements of the Scottish Universities Entrance Board (v. *supra* p. 1618) and (*b*) any relevant regulations for entrance to particular classes (v. *infra*).

There is no minimum age limit for admission to the Univ.

Regulations for Entrance to Particular Classes

It is desirable that students intending to read for the Ordinary M.A. should possess some knowledge of Latin before entering the Univ. In the case of Greek, Hebrew, Arabic, Syriac, Mathematics and Music, a student will be admitted to attendance on the classes qualifying for graduation if he has the subject of the class as one of the subjects either of his Group Leaving Certificate or of the Univ. Prelim. Examn. Where a student desires to attend a course qualifying for graduation and does not satisfy the above condition, he must inform the Secretary to the University of Aberdeen not later than one week before the commencement of the class, and a written examination or other test will be provided to determine his fitness to attend the class. In the case of Roman Law (for the degrees of M.A., LL.B., or

B.L.) a student must have passed in Latin in his Group Leaving Certificate or in the Univ. Prelim. Examn., or satisfied the Prof. of Jurisprudence that he has an adequate knowledge of the subject.

EDINBURGH

Before admission to a degree course in the Univ. a student must satisfy (*a*) the requirements of the Scottish Universities Entrance Board (v. *supra*, p. 1618) and (*b*) any relevant regulations for entrance to particular classes (v. *infra*).

There is no minimum age limit for admission to the Univ.

Regulations for Entrance to Particular Classes

The following preliminary passes are required for entrance to certain classes and for entering or following the curricula for certain Honours groups. If a student intends to take a curriculum containing a class which requires a special qualification, it is desirable that he should have included this qualification in his Leaving Certif. (or its equivalent), but failing this he may take the subject in the Univ. Preliminary Examn.

ARTS AND COMMERCE. *Ordinary Classes in Latin, Greek, French, German, Italian, Spanish, Celtic, Russian.* A pass in the lang. on the Higher standard in the Leaving Certif., or some equivalent evidence of proficiency.

Second Ordinary, Intermediate Honours, and Honours Classes in English, and Inter. and Hons. Classes in French, Italian, Spanish. A pass in Latin on at least the Lower standard in the Leaving Certif. (on the Higher for Hons. English), or some equivalent evidence of proficiency.

Honours in English. A reading knowledge of German (for those specializing in Language); or of French (for those specializing in Literature or Mediæval Studies).

Honours in Spanish. A reading knowledge of French.

Sanskrit. A knowledge of Sanskrit grammar (as in Macdonell's *Sanskrit Grammar for Students*) and ability to read simple texts.

Hebrew. A knowledge of Hebrew grammar (as in Davidson's *Introductory Hebrew Grammar*), and ability to read simple prose, such as the Book of Ruth or the narratives of Genesis.

Arabic, Persian, Turkish. A knowledge of grammar of the lang., and ability to read a simple text.

Music. A pass in Music in the Leaving Certif., or some equivalent evidence of proficiency. A pass in a qualifying examn. held in June and Sept. consisting of one written paper and an oral and practical test.

Honours in Psychology and Social Anthropology. A pass in Maths. on the Lower standard in the Leaving Certif., or some equivalent evidence of proficiency.

Maths., 1st Ordinary, and Natural Philos., 1st Ordinary. For students not proposing to go beyond 1st Ordinary classes a pass in Lower Maths. in the Leaving Certificate, or some equivalent evidence of proficiency.

Maths., Second Course; Hons. Maths. and Natural Philos.; Technical Maths.; Mathematical Physics and Natural Philos. For students proceeding beyond the 1st Ordinary classes a pass in Higher Maths. in

the Scottish Leaving Certificate, or some equivalent evidence of proficiency.

Meteorology. An elementary knowledge of Mechanics, General Physics and Heat.

Astronomy. A knowledge of Maths. as represented by the 1st Preliminary Examn.

Chemistry. A pass in an Admission Examn., unless the student has a pass on the Higher standard in Sci. (incl. Chem.) in the Leaving Certif., or other evidence of proficiency accepted as equivalent.

Honours in Geography. Ability to read French or German.

Ordinary Classes in Ancient (Gk. and Roman) Hist., Ecclesiastical Hist. and Roman Law, and Hons. Classes in British Hist. and Scottish Hist. A pass in Latin on at least the Lower standard of the Leaving Certif., or some equivalent evidence of proficiency.

Honours in *History.* A reading knowledge of French.

Honours in Fine Art. A reading knowledge of at least one modern foreign European lang. and a pass in an entrance test prescribed by the Edinburgh College of Art.

Honours in Architecture A pass in an entrance test prescribed by the Edinburgh College of Art

Accounting and Business Method. A pass in an Admission Examn. in Book-keeping or evidence of a sufficient practical training in an office or otherwise.

SCIENCE. For admission to degree courses in Pure Science or in Applied Science (except Vet. Science)—passes in Maths., Physics and Chem. on the Higher standard in the Leaving Certif., or some equivalent evidence of proficiency. In certain cases for admission to degree courses in Pure Science the requirement of Higher Physics and Chem. may be relaxed. Besides these general requirements, entrance qualifications as for Arts are required for Maths., Technical Maths., Physics (Nat. Philos.), Chem., Astronomy, Meteorology.

AGRICULTURE. In addition to the above general requirements—evidence of a complete twelve months' experience, covering the four seasons, on an approved farm.

LAW. *Civil Law.* A pass in Lower Latin in the Leaving Certif. or some evidence of a sufficient knowledge of the language.

MEDICINE AND DENTAL SURGERY. A student, before commencing the curriculum for graduation, must have the Certif. of Attestation of Fitness.* Prospective students are advised to include elementary Physics and Chem. in their School or Pre-University studies.†

Recognition of Institutions Outside the United Kingdom

ARTS. Undergraduates who have attended courses in another Univ. may apply for exemption from one (not the Final) yr. of the course for

* Any student holding a certif. admitting him to an English, Irish or Welsh Univ. will be exempted by the Entrance Bd. from Examn.

† Applications for exemption should be addressed to the Dean of the Faculty of Medicine.

M.A. or for B.Com., and from attendance on classes in two subjects. Graduates of another Univ. may apply for exemption from examination as well as attendance. Each application will be considered on its merits.

SCIENCE. Certain courses (first year only) may be taken in other Univs. or institutions approved by the University Court. The Higher School Certif. is not regarded as qualifying for exemption.

LAW. The Arts degree of certain approved Colonial, Indian and American Univs. is recognized for admission to the LL.B. course. Two of the three yrs.' study for LL.B. may be taken at one of the following recognized institutions: the Univs. of Oxford, Cambridge and Dublin; the Inns of Court; the Madras Law School; the Maharaja's Law Coll., Trivandrum; Ripon Coll, Calcutta; Univ. of Rangoon; McGill Univ.; King's Coll, London School of Economics, and University Coll (Univ. of London); the Colls. and Univs. approved by the Association of American Universities. The exemption granted is only in respect of attendances at classes, not of examination.

MEDICINE AND DENTAL SURGERY. Recognition may be given to courses taken in the first two yrs. of the curriculum at any Univ. of the United Kingdom or at such Indian, Colonial or foreign Univ. or Coll., or under such teachers as may be recognized by the University Court.

Exemption from First-Year Classes

If the applicant is a graduate in the equivalent Fac. of another recognized Univ. he may be exempted from 1st-yr. classes.

GLASGOW

Before admission to a degree course in the Univ. a student must satisfy (*a*) the requirements of the Scottish Universities Entrance Board (v. *supra*, p. 1618) and (*b*) any relevant regulations for entrance to particular classes (v. *infra*).

There is no minimum age limit for admission to the Univ.

Regulations for Entrance to Particular Classes

ARTS.

(*a*) Ordinary Classes of Humanity, Greek, French, German, Italian, Spanish, Russian, Gaelic, Welsh, Arabic, Norwegian; Senior Class of Hebrew.

(*b*) Ordinary Classes of Maths., Natural Philos. and Astron.

Attendance on any of these classes shall not, except as hereinafter provided, qualify for graduation unless before admission to the class the student has produced evidence that he has passed in the subject of the class (for (*b*) in Maths.) on the Higher standard (where different grades exist) in the Leaving Certificate or the Prelim. Examn. or on the corresponding standard in another examn. recognized as equivalent: but a student not so qualified, if for special reasons he has been admitted to any of these classes by the Hd. of the Dept. concerned and has passed in the subject of the class (for (*b*) in Maths.) on the Higher standard in the Spring Prelim. Examn. of the same academic yr., may make applica-

tion to the Senatus for the recognition of such pass, and, if such recognition is granted, his attendance and class record will be allowed to qualify for graduation.

(*c*) Intermediate Classes of Humanity, Greek; Higher Classes of English, French, German, Italian, Spanish, Arabic, Russian, Gaelic, Hebrew, Logic, Moral Philos., Political Econ., Hist., Scottish Hist., Constitutional Hist., Maths., Natural Philos., Astron., Geog., Music; Classes of Greek Hist, English Lang., Social Econ. and Statistics.

Attendance on any of these classes shall not qualify for graduation on the Higher standard unless, before admission to the class, the student has obtained a pass on the Ordinary standard in the subject in which he is taking a Double Course.

(*d*) Higher Classes of English, French, German, Italian, Spanish, Hebrew, Hist., Constitutional Hist.; Hons. Classes of English, French, German, Italian, Spanish, Hist., Scottish Hist. and Lit.

Attendance on any of these classes shall not normally qualify for graduation unless, before admission to the class, the student has produced evidence that he has passed in Latin or Greek on the Higher or the Lower standard in the Leaving Certificate or the Prelim. Examn. or in another examn. recognized as equivalent: but the Fac. of Arts shall have the power to accept in lieu of such a pass such other evidence of proficiency in the subject concerned as it may deem equivalent.

(*e*) Hons. Class of Hebrew.

Attendance on this class shall not normally qualify for graduation in Arts unless, before admission to the class, the student has produced evidence that he has passed in Greek on the Higher or on the Lower standard in the Leaving Certificate or the Prelim. Examn. or in another examn. recognized as equivalent, or that he has diligently attended a non-qualifying class in Greek; but the Hd. of the Dept. shall have power to accept such other evidence of proficiency in Greek as he may deem equivalent. Each case in which this power has been exercised shall be reported to the Fac. of Arts, and the admission of a student under this provision shall be subject to confirmation by that Fac.

(*f*) Ordinary Class of Music.

Attendance on this class shall not normally qualify for graduation unless, before admission to the class, the student has either (*a*) produced evidence that he has passed in Music on the Higher standard in the Leaving Certificate Examn., or (*b*) attended the Elem. Class and satisfactorily performed the class work; but the Hd. of the Dept. shall have power to accept such other evidence of proficiency in Music as he may deem equivalent. Each case in which this power has been exercised shall be reported to the Fac. of Arts, and the admission of a student under this provision shall be subject to confirmation by that Fac.

(*g*) Honours Classes of Humanity and Greek.

Attendance on either of these classes will not qualify for graduation unless, before admission to the class, the student has passed the degree examn. in the other of the two langs. on at least the Ordinary standard.

(*h*) Hons. Class of Gaelic.

Attendance on this class will not qualify for graduation unless,

before admission to the class, the student has passed in the degree examn. in Latin on at least the Ordinary standard.

(*i*) Degree of Ed.B.

Except by special permission of the Senatus, a candidate who holds his previous degree from a Univ. outside the British Isles may not complete the work of the diploma stage of the degree in less than two yrs.

(*j*) Bachelor of Music.

Attendance on a course in Music will not qualify for the degree of B.Mus. unless, before admission, the student has satisfied the Prof. of Music that he is able profitably to pursue the work of the qualifying course and has passed a special examination in specified subjects.

SCIENCE.

(1) Ordinary Classes of Maths., Natural Philos. and Astron.

Attendance on any of these classes shall not, except as hereinafter provided, qualify for graduation unless, before admission to the class, the student has produced evidence that he has passed in Maths. on the Higher standard in the Leaving Certificate or the Prelim. Examn. or on the corresponding standard in another examn. recognized as equivalent: but a student not so qualified, if for special reasons he has been admitted to any of these classes by the Hd. of the Dept. concerned and has passed in Maths. on the Higher standard in the Spring Prelim. Examn. of the same academic year, may make application to the Senatus for the recognition of such pass, and, if such recognition is granted, his attendance and class record will be allowed to qualify for graduation.

(2) Classes in Double-course subjects.

Attendance on any of these classes shall not qualify for graduation on the Higher (Double-course) standard unless, before admission to the class, the student has passed on the Ordinary (Single-course) standard in the same subject.

(3) Before presenting themselves for examination in a Double-course subject candidates must have attended at least two qualifying courses in that subject. One of these courses must be a higher course, and all courses in any subject except Maths. must include practical or laboratory work.

(4) A qualifying course in any subject shall normally extend over three terms, but the Senatus, with the approval of the Univ. Court, may sanction partial courses of not less than one term's duration, and two or three such partial courses shall be held to be equivalent to a full normal course in such cases as the Senatus, with the approval of the Univ. Court, may determine and under such rules as may from time to time be made for that purpose.

ENGINEERING.

(1) Maths. (1st Course) and Maths. (2nd Course).

These classes may not be taken in the same academic yr. except by express permission of the Fac. of Engin.

(2) Maths. (1st Course) and Natural Philos. (Ordinary).

Attendance on these classes shall not normally qualify for graduation

in Engin. unless, before admission to the class, the student has produced evidence that in the Leaving Certificate or the Prelim. Examn., or in another examn. recognized as equivalent, he has passed in Maths. on the Higher standard, or that he has diligently attended a non-qualifying course in Maths. : but the Hd. of each of the Depts. concerned shall have power to accept such other evidence of proficiency in Maths. as he may deem equivalent.

Exemption from Courses

Most Ordinances for degrees provide for the recognition of attendance at other Univs. Each case is considered on its merits.

ST. ANDREWS

Before admission to a degree course in the Univ. a student must satisfy (*a*) the requirements of the Scottish Universities Entrance Board (v. *supra*, p. 1618) and (*b*) any relevant regulations for entrance to particular classes (v. *infra*).

There is no minimum age limit for admission to the Univ.

Regulations for Entrance to Particular Classes

ARTS. Applicants should possess a Higher Pass in the Scottish Leaving Certificate or Scottish Universities Entrance Board's Prelim. Examn., or an Advanced level pass in the General Certificate of Education, or equivalent qualification, in (*a*) Latin or Greek ; *or* (*b*) Maths and a lang. other than English ; *or* (*c*) two mod. foreign langs., including German.

The study of Spanish, Hebrew and Arabic may be begun at the Univ. ; entry to the classes in other foreign langs. and in Maths. is subject to the conditions set out above. For particulars of the requirements of entry to the classes of Chem. and Natural Philos. see Science below.

SCIENCE. (*a*) *Pure Science.* Students must take either Natural Philos. (Phys.) or Chem. as one of their four First Science Subjects. For entrance to either the Natural Philos. or Maths. Classes a pass in Maths. on the Higher standard in the Scottish Leaving Certificate or equivalent is normally required, and for entrance to the Chem. Class, a pass in Science (including Chem) on the Higher standard in the Scottish Leaving Certificate is normally required.

(*b*) *Engineering.* Applicants should possess a pass in Maths. on the Higher standard in the Scottish Leaving Certificate or some equivalent qualificn.

MEDICINE and DENTISTRY. No special Faculty requirements.

BELFAST

Students must be at least 17 yrs. of age by Oct. 15 of the yr. in which entry is sought.

The Matriculation Examn. comprises English, Mathematics and 3 of the following : (*a*) Greek, (*b*) Latin, (*c*) French, (*d*) German,

(*e*) Italian, (*f*) Spanish, (*g*) Modern History, (*h*) Physics or Mechanics, (*j*) Geog., (*k*) Chem., (*l*) Bot., (*m*) for Faculties of Arts, Economics, Applied Science and Technology—Celtic, (*n*) for Science, Medicine, Agriculture or Applied Science and Technology—Mechanical Drawing; for Economics—(*o*) Elementary Economics, and (*p*) Accounting; for Faculty of Arts—(*q*) Music. For Arts or Medicine or Economics one language other than English must be taken; for Science and Agriculture—French or German; for Applied Science and Technology—one of the languages (*a*)-(*f*). Candidates for Faculty of Arts may, under certain conditions, take Latin or Greek instead of Maths. For the Faculty of Law, English, Latin and History are compulsory. For the Faculty of Applied Science, Physics is compulsory; for students of Chemical Technology and of Pharmaceutics, Chemistry is compulsory; for the Faculties of Science and of Agriculture, both Physics and Chem. are compulsory.

A candidate who has passed in at least three subjects, but failed to pass the examn. as a whole, is allowed to complete his matricn. at the next subsequent examn.

Exempting Examinations

Candidates who have passed any of the following examns. are admitted as matriculated students, provided that if they have not passed in all the subjects required by the Univ. for matriculation in the respective Faculties they shall be required to pass in the additional subjects at one and the same Matricn. Examn.

Great Britain and Ireland—A. Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 (v. *supra*, p. 1569), provided that in the cases of Nos. 3 to 10 inclusive passes have been obtained in (i) English Lang., (ii) a lang. other than English, (iii) Maths. or an approved science and (iv) *three* other subjects, two of the six to be passed at Advanced level *or* (v) *two* other subjects, three of the five being passed on the same occasion and *two* of these three at Advanced level *or* the certificate has been certified by an appropriate officer of a Univ. of England or Wales as satisfying its requirements for matriculation. No. 12 is subject to certain conditions.

B. Graduation examn of an Irish, English, Welsh, or Scottish Univ.

C. Commonwealth and foreign students receive special consideration, provided full details of education and relative certificates are submitted.

Transitional Provisions

Transitional provisions, relating to School and Higher School Certificates, are under consideration.

Special Exemptions

Students of mature age (not less than 23) may be admitted without passing the ordinary Matricn. Examn. Applications are dealt with by a special committee of the Academic Council, who may submit candidates to such tests of their fitness to profit by the courses of the Univ. as they may consider necessary in each case. Applications must be submitted on or before June 1 in each year.

Special Regulations for Entrance to Faculties and Courses

ARTS. Candidates for the Faculty of Arts who intend to enter an Honours School must pass in Greek or Latin at Matricn. Before entering a graduating course in a lang., in Maths., and in Music, a candidate must have passed in the subject at a recognized examn. Special introductory courses are available in Spanish and Greek preliminary to the graduating course.

MEDICINE. Candidates must have passed an examn. in Latin of at least Junior Certificate (Northern Ireland) standard, and a pre-entry examination in Physics and in Chem.

SCIENCE AND AGRICULTURE. Candidates must have passed an examn. in French or German, and a pre-entry examn. in Physics and in Chem.

In addition, candidates for entry into the Faculty of Agriculture must satisfy the Faculty that they possess a sound knowledge of the practice ot Agriculture, and have been engaged for at least one year in farm practice.

CIVIL ENGINEERING. Candidates may qualify *either* according to the regulations for the Faculty of Science *or* for the Faculty of Applied Science.

LAW. English, Latin and History passed at Ordinary or Advanced level at a recognized examn. are compulsory.

Exemption from First-Year Courses

In general, exemption from 1st-yr. courses is not granted except in the Fac. of Science and in the School of Engineering, where passes at Advanced level in Maths., Appl. Maths., Phys., and Chem. may be accepted as exempting from the appropriate first-yr. course.

(B) CANADA *

[Contributed by Professor Léon Lortie, University of Montreal.]

The educational qualifications for admission to a first degree course in Canadian Univs. vary from one province to another and, in certain cases, from one Univ. to another within the same province. There are also differences in the subjects required for different courses in the same Univ. But if allowance is made for individual variations owing to differences in local conditions, language or orientation, there is a general pattern that applies to regulations governing the admission of students to a first degree course across Canada. Except in a very few cases, there is actually little difference in the amount of knowledge that is required for that purpose even if, at first sight, there should be some question as to how much can be learned in three or four years of secondary school. It may also appear that French-speaking institutions, mainly in the Province of Quebec but also in the Maritime Provinces and in Ontario, deviate widely from the general pattern but, so far as qualifications for a first degree are concerned, the present practice in the *collèges classiques* of Quebec makes it easier to bring them into line with other Canadian institutions. There is practically no difference when Science courses, both Pure and Applied, are considered, between Laval and Montreal Univs. on the one hand and any other Univ. in Canada.

In most Canadian Univs. a candidate for admission to the first yr. of a course leading to a first degree is required to have completed, usually at a High School, a course of secondary education and obtained a diploma or certificate, issued by the Dept. of Education of the province in which the Univ. is located. Since the Univs. in many provinces are state-controlled or state-supported, there is a normal articulation between the secondary school leaving examn. and the admission requirements of the Univs. Otherwise the candidate is required to write the Matriculation or Entrance examn. conducted by the Univ.; this is a standard practice of the French-speaking institutions, where the *immatriculation classique* is required for admission to the Arts course. From one province to another certificates of High School leaving examns. may be accepted in so far as they meet the admission requirements of each individual University.

The problem of admitting students from foreign countries, more especially the United States, is not an easy one. McGill Univ., which receives numerous applications of that kind, has recently joined the College Entrance Examinations Board, a U.S. organization set up to facilitate the work of evaluating the academic knowledge and aptitude of candidates. As a rule, Canadian Univs. accept no secondary school certificate from any province or country at its face value, because they know that such certificates may vary widely from one to another both in the nature and in the breadth of the subjects covered and also because

* *See also* the Admissions paragraphs in the entries for the Canadian Universities above, *e.g.* for Acadia, *see* p. 685.

their own Faculties have different requirements. In dealing with such certificates, there is a standard practice among Canadian Univs. which is well set out in the following extract from the 1952–53 Calendar of the University of British Columbia :

"A candidate who wishes to enter by certificate other than a Matriculation or University Entrance certificate issued in British Columbia should submit the original certificates to the Registrar. He should in no circumstances come to the University without having first obtained from the Registrar a statement of the value of the certificates he holds, as these may lack one or more essential subjects, or the work done in a subject may not be adequate, or, again, the percentage gained may not be sufficiently high. Moreover, it must be remembered that a certificate may admit to one Faculty and not to another. When an applicant's diploma or certificate does not show the marks obtained in the several subjects of the examination, he must arrange to have a statement of his marks sent to the Registrar by the Education department or University issuing such diploma or certificate."

This statement applies, *mutatis mutandis*, to all Canadian Univs. even if, like the following, they accept *pro tanto* certain certificates issued in Great Britain. McGill states that the General Certificate of Education, with passes at the Ordinary level in five subjects, will be the normal minimum standard of admission for candidates from England and Wales. At Queen's, a G C.E. with passes in at least five subjects, of which two must be at the Advanced level, is recognized as equivalent to the Ontario Grade XIII certificate in the subjects in which at least 50 per cent has been attained in each paper. At Western Ontario, a G.C.E. is accepted in lieu of Grade XIII work provided it shows standing in either five or six subjects, with at least two of these subjects at the Advanced level (English Lit., a lang. other than Engl., and either Maths. or an approved Sci. subject must be included).

Secondary education is not completed in the same number of yrs. in each Canadian province but, with a few exceptions, the contents of the secondary courses do not differ widely from one province to another. The main exceptions are the *colléges classiques* where the courses of the first four years prepare only for the *immatriculation classique* requiring Latin. One must also note that graduation from a High School does not necessarily entitle a candidate to be admitted to a first degree course, unless a definite number of prescribed subjects have been taken by him in the secondary school examns. The number of such subjects is usually from five to seven (many including two papers) and the nature of these subjects varies from one course to another. English is always required (or French, in those institutions where that language is the medium of instruction), with usually another language (ancient or modern), History, Latin or Maths., a Science and one or more options from a rather generous list in most Univs.

It would be quite impossible to list all the various qualifications required for admission by each Canadian Univ. and it would surely be misleading to summarize them. As an example, it may be noted that the M.D. is a first degree at some Univs. while at others a B.A. or B.Sc. is required before an applicant can be admitted to the medical course.

The following table (v. pp. 1632-1634) attempts to present the general pattern that exists in each province, but it should only be considered as a bird's-eye view of the present situation

Such variations as may be apparent in this list may give the idea that there is a degree of confusion, but Canada is well known for her effort to achieve unity in diversity, and the apparent lack of uniformity in entrance requirements does not hinder the quality of the academic work of Canadian Univs. Each of them is adapted to the needs of the local population from which it draws the great majority of its students, and manages to bring the latter from apparently different levels of previous schooling to a degree of higher learning that is practically comparable across the country.

Notes on Terms used in the Table

Grade XI. Canadian children are usually about 6 yrs. old when they first go to school. The term " Grade XI " in the table indicates that the student has been attending school for eleven yrs. Similarly " Grade XII " indicates twelve yrs.' school attendance. The average age of students entering University is 17 or 18 yrs. but exceptional students and a few of those who have attended special preparatory schools may be a yr. younger.

Junior Matriculation. The educational minimum acceptable for admission to most Canadian Universities is Junior Matriculation, which is also called Pass Matriculation, Middle School or Secondary School Graduation, and usually corresponds to the termination of Grade XI (except in Ontario and British Columbia where Grade XII is required for a similar certificate). Saskatchewan and Alberta have no Junior Matriculation.

Senior Matriculation. In each province, a twelfth (or thirteenth in Ontario and British Columbia) yr. is available which leads to the level of Senior Matriculation. Except in Ontario, where Toronto, Queen's and Western Ontario demand this higher certificate for entrance to all or to certain Faculties, this extra yr. practically corresponds to the first yr. of a Canadian Univ. course and, wherever accepted, reduces by one yr. the duration of the University course, save in British Columbia where partial credit only is granted.

(*For table see overleaf.*)

TABLE

Province	*Institution*	*Grade*	*Diploma or Certificate*
Newfoundland	Memorial Univ.	XI	Matric. certif. of Council of Higher Education. Average of not less than 55% in 6 subjects.
Prince Edward Island	Prince of Wales Coll.	XII	
	St. Dunstan's Coll.	XI	
Nova Scotia	Acadia Univ.	XI	Jr. Matric. of Nova Scotia, pattern varying slightly according to proposed curriculum.
	Dalhousie Univ. and Univ. of King's Coll.	XI	Jr. Matric. of N.S. 7 subjects.
	St. Francis Xavier Univ.		Univ. Matric. based on Grade XI, Nova Scotia or Common Examining Bd. of Maritime Provinces and Newfoundland.
	Ste. Anne Coll.	XI	Common Examining Bd. of Maritime Provinces and Newfoundland admits to preliminary year.
	Saint Mary's Univ.	XI	
New Brunswick	Univ. of New Brunswick	XI	Jr. Matric. of New Brunswick.
	Mount Allison Univ.	XI	Jr. Matric. of New Brunswick.
	St. Joseph's Univ.	XI	Jr. Matric. of New Brunswick.
Quebec	Univ. of Bishop's Coll.	XI	Bishop's Matric. examn. in 6 subjects.
	Laval Univ. Collèges classiques		Immatriculation classique, at end of class of Versification (corresponding to Grade XI) in 6 subjects: French, English, Latin (2), Greek, Maths.
	Science and Engin.	XII	Certificat d'Études primaires supérieures du Conseil de l'Instruction publique and Entrance Examn.
	McGill Univ.	XI	McGill Jr. Matric. in 7 subjects.

Province	*Institution*	*Grade*	*Diploma or Certificate*
Quebec (*contd.*)	McGill Univ.	XII	McGill Sr. Matric. in appropriate subjects admits to 1st yr. Engin. or 2nd yr. Arts, Science, Commerce or Fine Arts.
	Sir George Williams Coll.	XI	Graduation from High School with at least 60% in not fewer than 10 papers.
	Univ. of Montreal Collèges classiques		Immatriculation classique as at Laval, except that Maths. may be substituted for Greek and that Grade XII students may write the Immatriculation examn. and proceed to B.A.
	Science and Engin.	XII	Same as at Laval.
Ontario	Assumption Coll.	XII	Ontario Secondary School Graduation Dipl. (general course) in 3 academic options. Grade XIII admits to 2nd yr.
	Carleton Coll.	XII	Ontario Secondary School Graduation Dipl. in 4 options (Jr. Matric.). Credits given for Grade XIII.
	McMaster Univ.	XIII	Ontario Secondary School Honours Graduation Dipl. (Sr. Matric.). Grade XII admits to Prelim. yr.
	Ontario Agricultural Coll.		Practically identical with Toronto.
	Ottawa Univ.	XII	Ontario Middle School Examn. in 6 subjects; course is bilingual.
	Queen's Univ.	XIII	Ontario Secondary School Graduation Dipl. in 4 options *and* Grade XIII in English, Latin or Maths. and 2 or 3 other subjects, varying according to student's ultimate objective.

Province	*Institution*	*Grade*	*Diploma or Certificate*
Ontario (*contd.*)	Univ. of Toronto	XIII	Grade XII, Ontario Secondary School Graduation Dipl. without definitely prescribed subjects in 4 options *and* Grade XIII, with 5 prescribed subjects according to course chosen by student.
	Univ. of Western Ontario	XII	Admits to 1st yr. of affiliated Cons. and Nursing, Home Economics, Music and Theol.
		XIII	Ontario Secondary School Graduation Dipl. in 4 options and Ontario Secondary School Honours Graduation Diploma in 4 subjects.
Manitoba	Univ. of Manitoba	XI	Jr. Matric. in 7 subjects, admits to 1st yr. Arts or Commerce.
		XII	Sr. Matric. admits to 1st yr. Science or Engin. or 2nd yr. Arts or Commerce.
Saskatchewan	Univ. of Saskatchewan	XII	Certif. of Province of Saskatchewan's Dept. of Education or Univ. of Sask. Matric. in 6 subjects.
Alberta	Univ. of Alberta	XII	Sr. Matric. of the High Schools of Alberta, which should include English, Social Studies, Algebra, Geom., Trigonometry, Physics, Chem. and a foreign language, but other credits may be substituted to meet the demands of specific Schools or Facs.
British Columbia	Univ. of British Columbia	XII	B.C. Univ. Entrance Examn. (Jr. Matric.) or the equivalent admits to 1st yr.
		XIII	Sr. Matric. allows for credits in 1st yr. only.

(C) AUSTRALIA

[The statement which follows relates only to the admission of students proposing to take full courses leading to a first degree. For information regarding admission to courses leading to higher degrees, *see* the entries for the several Universities.]

GENERAL NOTE

The primary and secondary educational systems of the Australian States are the responsibility of the various state govts. Consequently they differ in many respects. However, they are all alike in that they prepare students to the standard necessary for matric. at the Univ. or Univs. established in their home state. In all cases there is some liaison between the state educational system and the Univs. in that state to ensure that candidates coming forward to the Univs. will be able to comply with the matric. requirements.

There is no provision for jt. matric. in Australia, each Univ. controlling its own admission requirements. Thus the Univs. of Adelaide, Melbourne, Queensland, Sydney, Tasmania and Western Australia and the New South Wales University of Technology have individual matric. requirements which are specified below.

The University of New England has, for the time being, adopted the matric. requirements of the Univ. of Sydney.

The Canberra Univ. Coll. by arrangement with the Univ. of Melbourne conducts courses leading to degrees in that Univ. and consequently its admission requirements are those of the Univ. of Melbourne.

The Australian National Univ. was established primarily for post-grad. research and study and does not conduct courses leading to a first degree. The minimum academic requirement for admission to the Univ. is a Master's Degree (or its equivalent) from an Australian or other recognized Univ.

The admission requirements of the Australian Univs. have the same purpose, being designed to ascertain whether candidates are educationally fitted to undertake courses leading to a first degree. This may be done either at an examn. conducted by the Univ. or alternatively at an examn. conducted by the State Educn. Dept. In some cases passes are required in special subjects for entrance to the different Facs., in addition to the requirements for matric.

Although the requirements for entrance to the various Univs. are not uniform, all possible reciprocity is exercised in the interchange of students, whether from Australian or British Univs. In general the Univs. will admit to matric. *ad eundem statum* a student who has matriculated or qualified to matriculate at another Univ. of recognized standing, but in some cases passes in particular subjects at matric. standard, or in compulsory " prerequisite " subjects for particular courses, may be required.

Special facilities are offered for matric. in some Univs. to persons

of mature age who have not had the opportunity of qualifying in the ordinary way and who pass certain special entrance tests.

Public Examinations in Australia

The following is a list of the public examns. in each state recognized by the Univs. for matric. purposes, except as indicated by an asterisk. The examns. are fully recognized only by the Univ. conducting them, though, as mentioned above, qualification by a student for matric. at the Univ. of his home state is generally recognized, in so far as standard is concerned, by the other Australian Univs.

State	*Examination*	*Secondary School Year in which Examination normally taken*	*Conducting Body*
New South Wales and Australian Capital Territory	*Inter. Certif. E.	3rd yr.	N.S.W. Dept of Ed.
	Leaving Certif. E.	5th yr.	N.S.W. Dept of Ed.
	Matric. E.	5th yr.	Univ. of Syd.
	Qualifying E.		N.S.W. Dept. of Tech. Ed.
	Qualifying (Deferred) E.		N.S.W. Dept. of Tech. Ed.
Queensland	*Jr. Public E.	2nd yr.	Univ. of Q'ld.
	Sr. Public E.	4th yr.	Univ. of Q'ld.
	Matric. E.		Univ. of Q'ld.
South Australia	*Inter. E.	3rd yr.	Univ. of Adel.
	Leaving E.	4th yr.	Univ. of Adel.
	*Leaving Hons. E.	5th yr.	Univ. of Adel.
Tasmania	Schools Bd. Certif. E.	4th yr.	Schools Bd. of Tas.
	Matric. E.	5th yr.	Univ. of Tas.
Victoria	*Inter. E.	4th yr.	Univ. of Melb.
	School Leaving E.	5th yr.	Univ. of Melb.
	Matric. E.	6th yr.	Univ. of Melb.
Western Australia	Jr. E.	3rd yr.	Univ. of W. Aust.
	Leaving Certif. E.	5th yr.	Univ. of W. Aust.
	Matric. Certif. E.	5th yr.	Univ. of W. Aust.

In each state the average age of entrance upon Univ. study is 17 plus.

Examns. are also conducted in Music in each state under the general auspices of the Australian Music Examns. Bd. Passes in appropriate grades at these examns. are accepted as passes at Leaving Certif. standard and, consequently, for matric. purposes, in most states. In Victoria, however, the examns. are recognized for purposes of Inter. and Leaving Certif. examns. but the Univ. of Melbourne conducts its own examns. in matric. Music.

SPECIFIC CONDITIONS

ADELAIDE

The minimum age for matric. is 16 yrs.

South Australian Candidates

In general the requirements for matric. in the Univ. of Adelaide are 5 subjects at the Leaving Examn. held annually in Nov.-Dec. with certain subjects specified for the various Facs. as follows:

Arts. 5 subjects, including Engl. and either Latin or Greek, at the Leaving Examn.; and if Maths. I is not also included, Maths. (2 subjects) must have been passed at the Inter. Examn.

Economics. 5 subjects, including Engl. and either a lang. other than English or Maths. I or Maths. II, at the Leaving Examn.; provided that (*a*) if a lang. other than Engl. be not included in the Leaving subjects such a lang. must have been passed at the Inter. Examn.; and (*b*) if Maths. I or Maths. II be not included in the Leaving subjects, Maths. (2 subjects) must have been passed at the Inter. Examn.

Science and Agricultural Science. 5 subjects, including Maths. I at the Leaving Examn.; and if Engl. and 1 other lang. are not also included, these subjects must have been passed at the Inter. Examn. Further, a candidate who intends to include Pure Maths. I in his course for the degree of B.Sc. must pass in Maths. II and in a special examn. in Maths.

Engineering. 5 subjects, including Engl. and Maths. Parts I and II, at the Leaving Examn.; and if a lang. other than Engl. be not included in the Leaving subjects, such a lang. must have been passed at the Inter. Examn. Further, every candidate must pass in a special examn. in Maths.

Law. 5 subjects, including Engl. and Latin, at the Leaving Examn.

Medicine. 5 subjects, including Engl. and a lang. other than Engl., at the Leaving Examn.; if Maths. I be not passed at the Leaving Examn., Maths. (2 subjects) must have been passed at the Inter. Examn.; and if Phys. be not passed at the Leaving Examn. it must have been passed at the Inter. Examn.

Dentistry. 5 subjects at the Leaving Examn., including Phys. and a lang. other than Engl.; if Engl. be not included in the Leaving subjects it must have been passed at the Inter. Examn.; and if Maths. I be not included in the Leaving subjects, Maths. (2 subjects) must have been passed at the Inter. Examn.

Music. A candidate is required (*a*) to hold the Leaving Certif., or to have passed in 4 subjects at the Leaving Examn., including Engl., a lang. other than Engl., and either Ancient Hist. or Mod. Hist.; and (*b*) either to have passed in the Theory of Music at the 7th Grade of the Public Examns. in Music, or to satisfy the Dean of the Fac. of Music in a special Entrance Examn. in the Theory of Music of equivalent standard.

Candidates from Other Australian States

Matric. in any other Australian Univ. is accepted provided that the subjects prescribed for S. Australian students are included. A candidate

whose qualifications for matric. in the Univ. of his own state do not include one or more of the subjects specified by Adel. is required to pass in only the outstanding subject or subjects.

Overseas Candidates

(*a*) *United Kingdom, Canada, Ceylon, New Zealand and South Africa.* Qualifications which entitle the holder to matric. in the corresponding Fac. in any recognized Univ. of any of the Commonwealth countries listed above are accepted, provided that the subjects prescribed for S. Australian candidates are included. The English G.C.E. is accepted on a basis similar to that required by English Univs., provided that certain subjects (other than English) specified at Leaving standard by Adel. have been passed at the Advanced level.

(*b*) *Other Parts of the British Commonwealth.* The requirements for candidates from other parts of the British Commonwealth, especially from Southern and Eastern Asian countries, in general conform to those of U.K. Univs., so far as standard is concerned, and include the specially prescribed subjects required by Adel. of its local candidates.

Candidates from India and Pakistan are required to have passed at a good standard in their own Univ.'s Inter. Examn. in Arts or Sci. and to have included in that examn. Engl. and such other prerequisite subject or subjects as may be specified in the Adel. requirements.

(*c*) *Other Overseas Students.* A candidate may be admitted to matric. who (i) holds a certif. which qualifies him for matric. in a recognized European or American Univ., provided that the subjects specified in the Adel. requirements are included and provided also that the certif. contains at least one modern lang. and lit.; (ii) in the case of a candidate whose native lang. is not English, has passed in a Standard English test; and (iii) has passed in the prescribed Fac. prerequisites as follows:

Science and Engineering (and for admission to the class in Pure Maths. I). Either Maths. I and II and Sp. Maths. at the S. Australian Leaving Examn. or (in approved cases only) a special examn. in Maths. of equivalent standard.

Law. Latin at the S. Australian Leaving Examn.

Arts. Either Latin or Greek at the S. Australian Leaving Examn.

A candidate who is unable to present acceptable evidence of matric. work done elsewhere must pass in appropriate subjects at the S. Australian Leaving Examn.

Mature Age

No provision on account of age is made for modification of the normal requirements for matric.

Special Cases

The Matric. Bd. may consider applications from candidates who have qualifications in secondary educn. but have not satisfied the normal requirements for matric. The Bd. usually does not exempt such a candidate from the specified entrance requirements, but it may admit him for 1 yr. under conditions which it specifies and which must be fulfilled within 1 yr.

CANBERRA UNIVERSITY COLLEGE

Admission requirements are those of the Univ. of Melb. (*See* Melb. Univ. (*below*) and General Note, p. 1635.)

MELBOURNE

General Requirements

In order to become qualified to matriculate, candidates must (*a*) obtain the Melbourne Sch. Leaving Certif. and be credited therein with 5 subjects including: (i) Engl.; (ii) a branch of Maths. or Sci.; (iii) 1 other subject chosen from the langs. other than Engl., Greek and Roman Hist., Mod. Hist., British Hist., Econ., Soc. Studies; (*b*) pass the Matric. Examn. by passing or obtaining hons. in 4 subjects, including Engl. Expression; (*c*) attain the age of 17 yrs. by March 31 in the yr. concerned.

Special Faculty Requirements

In addition to qualifying to matriculate, for the following Facs. the prerequisites set out below must have been passed at a standard equivalent to that of the Melb. Matric. Examn.:

Arts. A lang. other than Engl.

Engineering. Either Chem. or Phys. and either Calculus and Appl. Maths. or Pure Maths.

Science. No prerequisites.

Medicine. For admission to the Med. Course, it is necessary to have qualified to matric. in a recognized Univ., to have completed a preliminary course conducted by or approved by the Univ. of Melb. in Chem., Phys. and Biol., to have passed the Preliminary Examn. in these subjects and, on the basis of this examn., to be selected in the quota fixed for the 1st yr. of the Degree Course in Med. Only a limited number of overseas students, selected on the basis of academic merit, will be admitted to the preliminary course.

Agricultural Science. Either Phys. or Chem.

Dental Science. Chem. and either Phys. or a branch of Maths.

Music. Music (Theoretical) and Music (Practical).

Overseas Students

The matric. qualifications of the following insts. are accepted as grounds for admitting overseas students to matric. status without further requirements (although they may have to make up the Fac. prerequisites at the Melb. Matric. Examn.):

Canada. Senior Matric.

Ceylon. Matric. of the Univ. of Ceylon.

Egypt. Secondary Educ. Certif. Part II (Sp. Course) of the Egyptian Ministry of Educ.

Continent of Europe. Certif. of Maturity or equivalent certif. qualifying student to enter a continental Univ.

Republic of Ireland. Matric. of Trinity Coll., Dub., or N.U.I.

United Kingdom. Matric. of any English or Scottish Univ., or Univ. of Wales, or Queen's Univ., Belf.

Greece. Matric. of Univ. of Athens.

Holland. (i) Leaving Certif. from " Gymnasium " after 6-yr. course. (ii) Dipl. of H.B.S. " B " (except for Law). (iii) Certif. of completion of 6-yr. course at " Lyceum " (except for Law).

Hong Kong. Matric. of Univ. of Hong Kong.

India. Passing in the 1st Division of Inter. Sci. or Arts Examn.—prerequisites, if involved, to be at Inter. standard.

Israel. Qualification to enter either Hebrew Univ., Jerusalem or Hebrew Tech. Inst., Haifa.

Malaya. Univ. of Malaya Matric.

Pakistan. Passing in the 1st Division of Inter. Examn. in Sci. or Arts—prerequisites, if involved, to be at Inter. standard.

South Africa. Matric. of Jt. Matric. Bd. of Univs. of S.A.

Syria. Matric. of American Univ. of Beirut.

Thailand. Matric. of Univ. of Chulalongkorn.

U.S.A. Qualification to enter a Univ. accredited with the Assoc. of American Univs.

Other Australian Institutions

Persons qualified to matriculate in another Australian Univ. will be admitted to matric. status, but will be required to satisfy special Fac. requirements either at the Melb. Matric. Examn. or at an equivalent standard.

Provision is made for the recognition of qualifications gained at certain Australian Service establishments, and at certain Victorian Tech. Colls.

Adult Matriculation

Special provision is made for persons who are at least 20 yrs. of age and have left school 4 full yrs. These provisions apply to local students only.

UNIVERSITY OF NEW ENGLAND

The Univ. has for the time being adopted the admission requirements of the Univ. of Sydney (*see below*).

THE NEW SOUTH WALES UNIVERSITY OF TECHNOLOGY

General

(*a*) No minimum age limit for admission to the Univ. Applicants for entry to undergrad. courses leading to a degree may satisfy entrance requirements by passing the N.S.W. Leaving Certif., or the Qualifying or Qualifying (Deferred) examns. of the N.S.W. Dept. of Technical Education, or equivalent, examn. in at least 5 subjects, of which one must be Engl. and one other must be Maths. I, or Maths. II, or General Maths , 3 other subjects being chosen from the following groups, at least 1 of the 3 being from Group A.

Group A. Latin, French, Greek, German, Italian, Hebrew, Chinese, Japanese, Russian, Dutch, Geol., Geog., Agric., Econ., Mod. Hist., Anc. Hist., Combined Phys. and Chem., Phys., Chem., Physiol., Biol., Bot. or Zool.

Group B. Appl. Maths., Theory and Practice of Music, General Maths., Maths. I or Maths. II.

(*b*) General Requirements. The following general provisions apply : candidates must meet the requirements set out in section (*a*) above at one examn., provided that

(i) neither Phys. nor Chem. be taken along with the combined subject Phys. and Chem. ;

(ii) neither Bot. nor Zool. be taken with Biol. ;

(iii) neither Bot. nor Zool. nor Biol. be taken with Physiol. ;

(iv) neither Maths. I nor Maths. II be taken with General Maths. ;

(v) a candidate who offers Maths. and elects to take General Maths. may not sit for Maths. I or Maths. II ; a candidate who offers Maths. and does not elect to take General Maths. must take both Maths. I and Maths. II ; a pass in either Maths. I or Maths. II will count as a pass in 1 subject ; a pass in both papers will count as passes in 2 subjects ;

(vi) Theory and Practice of Music is accepted only from March 1946 ;

(vii) Anc. Hist. and Agric. are accepted only where the pass was obtained at an examn. held in 1945 or in a subsequent yr. ;

(viii) Econ. is accepted only in cases where the pass was obtained at an examn. held in 1947 or in a subsequent yr.

(*c*) Notwithstanding the foregoing, candidates may be accepted under the following conditions :

(i) Any person who has satisfied the examn. requirements for entrance to the dipl. courses of the Dept. of Tech. Educn., N.S.W., since and including the qualifying examns. of the Dept. of Tech. Educn. held at the end of 1940, may be admitted as a " registered student " of the Univ. of Technol., but this provision shall not apply to examns. held later than March 1957.

(ii) (*a*) A grad. of any approved Univ.

(*b*) An applicant who presents a certif. from any Univ. showing that he is qualified for entrance to that Univ., provided that, in the opinion of the Professorial Bd., there is an acceptable correspondence between the qualifying conditions relied upon by the applicant and the conditions laid down for ordinary entrance to the nominated Fac. of the N.S.W.U.T.

Adult Matriculation

Special provision is made for persons who are at least 25 yrs. of age and who have satisfactorily completed a systematic course of study extending over at least 3 yrs. from the Inter. Certif. level.

QUEENSLAND

General Requirements

The minimum age for admission of matriculated or non-matriculated students is 16 yrs. In the Fac. of Medicine a candidate may not pursue the 2nd yr. of study in any subject unless he attains the age of 18 yrs. on or before Jan. 1 of that yr. For the Dipl. in Physiotherapy course, a candidate must have attained the age of 17 yrs. on or before June 30 of the year in which he enters the course.

A candidate for matric. in any Fac. must pass examns. in the subjects

specified for that Fac., at the Jr. Public Examn. or the Sr. Public Examn., as prescribed. The subjects may be passed at the Sr. or Jr. Public Examns. held annually in Nov.-Dec. or at the Matric. Examn. held annually in Feb. At the Matric. Examn., subjects may be taken at Sr. or at Jr. standard. Passes in required subjects obtained at other examns., held within or outside Queensland, will be accepted if, in the opinion of the Dean of the Fac. concerned, they are equivalent to passes at the required standard.

The subjects prescribed for any Fac. may be passed at more than one sitting, provided that at least 4 subjects listed hereunder, whether or not prescribed for that Fac., are passed at one sitting. A sitting in Nov. and a sitting in the following Feb. will be classed as 2 sittings.

A person who has matriculated in a Fac. at a United Kingdom Univ. and has completed 1 yr. of a degree course in that Fac. is not required to pass any further examns. for a corresponding matric. in this Univ. In any other case where a candidate for matric. has pursued a course at this or any other Univ., the Fac. concerned may exempt him from such of the examn. requirements for matric. in that Fac. as it thinks fit.

The following subjects are available for matric. purposes: Latin, Greek, Engl., French, German, Music or Art, Maths. I, Maths. II, Inter. Maths., Chem., Phys., Bot., Zool., Italian, Mod. Hist., Anc. Hist., Logic, Econ., Geol., Physiol., Geog., Home Sci. A, Book-keeping and Accounts, Geometrical Drawing and Perspective.

Special Faculty Requirements

Arts. A candidate is required to pass at Sr. standard in at least 4 subjects covering 4 of the following groups of subjects: (*a*) Engl.; (*b*) French, German, Greek, Latin; (*c*) Maths. I, Maths. II; (*d*) Bot., Chem., Geol., Phys., Physiol., Zool.; (*e*) Mod. Hist., Ancient Hist., Geog. The 4 subjects must include Engl. and a subject from Group (*b*), the other 2 subjects being selected from any 2 of Groups (*c*), (*d*) and (*e*). If Latin is not one of the 4 subjects, a pass in Latin at Jr. or higher standard is also required.

Note: The above requirements are minimum requirements, and a student intending to pursue an Arts course would benefit by taking more than 4 subjects, either to lead up to subjects he intends to take at the Univ., or to give him the advantage of a wider background of general knowledge.

Science. A candidate is required to pass at Sr. standard in 4 subjects including Engl., Maths. I and a Sci. subject, and in so far as Chem., Phys. and a lang. other than Engl. are not included in the 4 subjects, must pass or have passed them at not less than Jr. standard.

A person desiring to pursue the course in Indus. Chem. must pass at Sr. standard in both Chem. and Phys. and otherwise fulfil the requirements set out above.

Engineering. A candidate must pass at Sr. standard in Engl., Maths. I, Maths. II, Phys. and Chem.

A lang. other than Engl. must be passed at not less than Jr. standard.

Note: The matric. examn. for the Fac. of Engin. is recognized by the Engin. Jt. Examn. Bd., Lond., as qualifying in lieu of their Prelim. Examn.

Surveying. A candidate must pass at Sr. standard in Engl., Maths. I, Phys. and 2 other subjects.

Commerce and Economics. A candidate is required to pass at Sr. standard in 4 subjects, including Engl. and either Maths. I or a lang. other than Engl.: provided that if a lang. other than Engl. is not passed at Sr. standard it must be passed as a 5th subject at Jr. standard, and if Maths. I is not passed at Sr. standard, a pass must be obtained in Inter. Maths. as a 5th subject.

A person may not enrol as a candidate for the Degree of Bachelor of Economics unless he has passed in Maths. I at Sr. standard.

A person who has qualified for the Dipl. in Comm. and who has passed in Maths. I at Sr. standard, or in Inter. Maths., or in Stats., may matriculate in the Fac. of Comm.

Agriculture. A candidate is required to pass in 4 Sr. subjects, including Engl., Maths. I and a Sci. subject.

If Chem., Phys. and a lang. other than Engl. be not passed at Sr. standard, these subjects must be passed or have been passed at Jr. standard in addition to 4 Sr. subjects.

A student of the Queensland Agriculture High Sch. and Coll., Lawes, may matriculate if he has (1) been awarded the Pass Dipl. of the Coll.; and (2) passed in Phys. and Chem. in the Jr. Public Examn.; and (3) attained at least 2nd class hons. standard at the Coll. in (*a*) Engl., (*b*) Chem. and (*c*) Agric. Bot. or Microbiol.; and (4) passed in Special Maths. for Coll. students or the special course in Maths. up to Inter. standard.

Students who have matriculated in the Fac. of Agric. are regarded as having also satisfied the requirements for matric. in Forestry.

Law. Matric. in the Fac. of Arts will also give matric. in the Fac. of Law.

Dentistry. The matric. requirements are the same as for Pure Sci. in the Fac. of Sci.

Veterinary Science. The matric. requirements are the same as those for the Fac. of Agric.

For students of the Queensland Agriculture High Sch. and Coll., Lawes, conditions for enrolment in the Fac. of Vet. Sci. are the same as those for the Fac. of Agric.

Medicine. A candidate is required to pass in 5 Sr. subjects including Engl., Maths. I, Chem. and Phys.

German, French or Latin must be passed or have been passed at not less than Jr. standard.

Architecture. A candidate is required to pass in 5 subjects at Sr. standard including Engl., Maths. I, Phys. and one of the following:

(i) Art (both papers);

(ii) Chemistry.

Should Chem. not be taken to Sr. standard a pass in this subject must have been obtained at Jr. standard. Should the full subject Art not be taken, a pass in the 2nd paper of the subject must be obtained.

Adult Matriculation

A candidate who has attained the age of 23 yrs. may be admitted to matric. in the several Facs. on passing a special examn. The candidate may, if he so chooses, matriculate under the ordinary regulations. There is no provision for adult matric. in the Fac. of Med.

SYDNEY

There is no minimum age limit for admission to the Univ., except that candidates for admission to the Fac. of Law must be 17 yrs. of age.

Matriculation

Candidates for any of the degrees granted by the Univ. of Sydney shall be required to matriculate before entering upon the prescribed course for the degree. Before being admitted to matric., candidates shall have passed one of the examns. required by the by-laws for admission to the prescribed courses in the different Facs., or shall have been admitted *ad eundem statum*.

Matriculation Examination

The examn. shall be in the following subjects

Group A. Engl.
Group B. Mod. Hist., Ancient Hist., Econ.
Group C. Latin, Greek, French, German, Italian, Hebrew, Chinese, Japanese, Russian, Dutch.
Group D. Maths. I., Maths. II, General Maths., Appl. Maths., Theory and Practice of Music.
Group E. Phys., Chem., Geol., Geog., Phys.-and-Chem., Bot., Zool., Biol., Physiol., Agric.

In order to qualify for matric., candidates must pass at one examn. in at least 5 subjects, of which one must be English, and the other 4 subjects must be chosen from at least 2 of Groups B. C. D. and E., provided that :

(*a*) neither Phys. nor Chem. may be taken along with the combined subject Phys.-and-Chem. ;
(*b*) neither Bot. nor Zool. may be taken with Biol. ;
(*c*) neither Zool. nor Biol. may be taken with Physiol. ;
(*d*) neither Maths. I nor Maths. II may be taken with General Maths. ;
(*e*) a candidate who offers Maths. and elects to take General Maths. may not sit for Maths. I or Maths. II ; a candidate who offers Maths. and does not elect to take General Maths. must take both Maths. I and Maths. II ; a pass in either Maths. I or Maths. II will count as a pass in one subject ; passes in both papers will count as passes in 2 subjects ;
(*f*) Theory and Practice of Music is accepted for matric. only in cases where the pass was obtained at an examn. held in 1943 or subsequent yrs., provided further that a pass in the subject of Music II at the Leaving Certif. Examns. held in 1943 and 1944 is accepted as equivalent to a pass in the subject of Theory and Practice of Music.
(*g*) Anc. Hist. is accepted for matric. only in cases where the pass

was obtained at an examn. held in 1945 or in a subsequent yr. ; further, Anc. Hist. may be taken with Mod. Hist. passed at the Leaving Certif. Examn. in and after 1951 ;

(*h*) Agric. is accepted for matric. only in cases where the pass was obtained at an examn. held in 1945 or in a subsequent yr. ;

(*i*) Econ. is accepted for matric. only in cases where the pass was obtained at an examn. held in 1947 or in a subsequent yr.

There are no special requirements for matric. in any Fac.

These requirements shall not affect the right which any person would have had, because of a qualification obtained before March 1, 1945, to matriculate or to matriculate into any particular Fac.

Leaving Certificate Examination

A candidate who has passed at the Leaving Certif. Examn. of the Dept. of Educn., N.S.W., in the subjects and at the standards (an Hons., an " A " or a " B " pass) required for matric., may be admitted to matric. without further examn.

A candidate for matric. who has presented himself for the Leaving Certif. Examn. held in 1947 and subsequent yrs. in 5 or 6 subjects selected in accordance with the above requirements, and who has passed in Engl. and 3 other of these subjects, shall be granted matric. status provided that he has been awarded " A " passes or passes with Hons. in at least 3 of these 4 subjects.

General

Any person who produces evidence that he has completed (*a*) the 1st yr. of the course at the Royal Military Coll. of Australia, or (*b*) the full 4-yr. course at the Royal Australian Naval Coll., or (*c*) the 1st yr. of the course at the Royal Australian Air Force Coll. may be admitted to matric. without further examn.

Holders of the Dipl. with Hons. of an approved Agric. Coll. in Australia or holders of a Dipl. with Hons. or Credit of an approved Technical Coll. in Australia may be admitted to matric.

Persons of foreign nationality and educn. may be admitted to matric. by a special examn. if they give evidence that satisfies a three-fourths majority of the Fac. of Arts and of the Professorial Bd. that they are of good fame and character, and personally and educationally qualified for entrance to the Univ.

Provisional Matriculation

Provisional matric. may be granted to any person of not less than 25 yrs. of age who produces satisfactory evidence that he is of distinct educational merit and who passes such examns. as may be prescribed. Provisional matric. granted to a person under these conditions shall be confirmed when he has fulfilled such requirements as the Senate shall determine.

Admission ad eundem statum

The Professorial Bd. may admit as a matriculated student in any Fac., with such status as the Bd. thinks proper in the circumstances, a person :

(*a*) who is a grad. of any other Univ., or

(*b*) who presents a certif. from an approved Univ. showing that he is qualified for matric. and entrance to that Univ. and setting out the grounds of that qualification, provided that, in the opinion of the Bd., there is a reasonable correspondence between the qualifying conditions relied on by the applicant and the conditions laid down for ordinary entrance to the Univ. of Syd.

An applicant shall not be admitted unless he gives evidence of his degree or status and of good conduct.

Before being admitted to matric., foreign students are required to show that they have an adequate knowledge of the Engl. lang.

TASMANIA

General Requirements

Examns. at which qualifications for matric. are obtained are (*a*) the Matric. Examn. conducted by the Univ.; (*b*) the Schools Bd. Certif. Examn. conducted by the Schools Bd. of Tasmania. The latter is the sch. leaving examn. and is normally taken 1 yr. before matric., *i.e.* at the age of 15 or 16 yrs.

Students are required to pass 6 subjects, including (*a*) Engl. Expression; (*b*) one of Engl. Lit., Mod. Hist., Ancient Hist. and Soc. Studies; (*c*) one of French, German, Latin and Greek; (*d*) Maths. The remaining subjects may be chosen from the above groups and from Appl. Maths., Phys., Chem., Biol., Geol., Geog., Econ., Music and Art.

Engl. Expression and 2 other subjects may be passed at the Schools Bd. Examn. or at the lower pass standard of the Matric. Examn. The remaining 3 subjects must be passed at the higher pass standard of the Matric. Examn. Students may be exempted from the requirement of having to pass in subjects of both groups (*c*) and (*d*), provided that a subject of one of the groups is passed and that a certain subsidiary standard is reached in a subject of the other group. Engl. Expression, one lower pass and the 3 higher passes must be gained in 2 sittings, examns. held in Dec. and the following Feb. counting as one sitting for this purpose. The remaining lower pass may be gained at any sitting. Schools Bd. subjects and corresponding Matric. subjects may not both be counted, *e.g.* Schools Bd. Maths. II may not be counted if Matric. Maths. A has been passed.

The normal minimum age for admission to Matric. is 17 yrs. but students under this age may be admitted if considered by the Professorial Bd. to be of exceptional ability. Persons over the age of 23 yrs. may be admitted to Matric. without having complied in full with the ordinary requirements.

Prerequisites

There are no Fac. prerequisites as such, but the following prerequisites for specific subjects are required:

Foreign Languages. A higher pass in the corresponding Matric. subject.

Mathematics. A higher pass in Matric. Maths. A.
Physics. A pass in Schools Bd. Maths. II.

Exempting Examinations

The Univ. will admit to Matric. students who are qualified for admission to other Australian Univs., to Univs. in the United Kingdom or New Zealand, and (subject to proficiency in Engl.) to other Univs. of standing throughout the world. Students who gain partial qualifications elsewhere may be awarded Matric. on passing such subjects of the Matric. Examn. as may be prescribed by the Professorial Bd.

WESTERN AUSTRALIA

General Qualifications for Matriculation

The minimum age for matric. is 17 yrs. The normal method of satisfying minimum entrance requirements is by means of a qualifying examn. in which candidates must pass in Engl. and any 4 of the following subjects: Latin, Greek, French, German, Italian, Spanish, Hebrew, Russian, Hist., Indust. Hist. and Econ., Geog., Maths. A, Maths. B, Appl. Maths., Phys., Chem., Biol., Geol., Agric. Sci., Physiol. and Hyg., Music, Drawing.

The qualifying examns. include the W. Aust. Leaving Certif. Examn. held annually in Nov. and the Matric. Examn. conducted by the Univ. of W. Aust. in Feb. each yr. The prescribed subjects must be passed at not more than 2 examns., the Leaving Certif. Examn. and the Matric. Examn. being regarded as separate examns. Admission to the Matric. Examn. is restricted to persons who seek to complete matric. requirements and to be admitted to the Univ. in the same yr. There are no special requirements for entrance to any Fac.

Special Exemptions

Students of mature age may be admitted without passing the normal matric. examn. The age varies according to the Fac. concerned and in some cases a special mature age examn. is held, while in others students are required to provide satisfactory evidence that they possess educational qualifications sufficient to enable them to take the proposed course.

Exempting Qualifications

(i) Matric. in the corresponding Fac. in any other Univ. in Australia, N.Z., the U.K. or other approved Univ., Coll. or Inst.

(ii) Graduation in a Univ. in Australia, N.Z., the U.K. or other approved Univ.

(iii) Certifs. from other countries will receive separate consideration. Candidates from overseas must submit satisfactory evidence that they are qualified for the courses they propose to enter, including evidence of sufficient knowledge of the Engl. lang.

(D) SOUTH AFRICA

GENERAL. The qualificn. for entrance to a course of study for a first degree of any Univ. in South Africa is the Matric. Certif. of the Joint Matriculation Board for the nine Univs. in South Africa, or a Certif. of Exemption issued by that Bd. The Bd. was established by Act of Parliament passed in 1916 and has conducted the Matric. Examn. since 1918. Before that the Matric. Examn. was conducted by the now defunct Univ. of the Cape of Good Hope. For all practical purposes, therefore, the only recognized qualificn. for admission to a course of study for a first degree is the Matric. Certif., or the Exemption Certif. of the Bd. A successful candidate at the Matric. Examn. may be awarded *either* a School Leaving Certif. *or* a Matric. Certif., depending upon the subjects passed and the standards attained in specific subjects. The School Leaving Certif. is not an entrance qualificn. for a course leading to a degree, although it may be accepted by the Univs. for admission to courses of study leading to certain dipls. and certifs.

APPROVED SUBJECTS FOR THE MATRICULATION EXAMINATION. The list of approved subjects is as follows :

Section A. 1. Afrikaans (H. or L.)* ; 2. English (H. or L) ; 3. Nederlands (H. or L.) ; 4. German (H. or L.) ; 5. Bantu Languages (H.) ; 6. Latin ; 7. Greek ; 8. French ; 9. Hebrew ; 10. Portuguese ; 11. Maths. ; 12. Physical Sci. (not to be taken with 13 or 14) ; 13. Phys. ; 14. Chem. ; 15. Biol. (not to be taken with 16 or 17) ; 16. Bot. ; 17. Zool. ; 18. Geol. ; 19. Geog. ; 20. Hist.

Section B. 21. Bantu Langs. (L.) ; 22. Agric. ; 23. Housecraft and Hygiene ; 24. Book-keeping and Commercial Arithmetic ; 25. Geometrical Drawing ; 26. Comm. ; 27. Shorthand and Typewriting ; 28. Additional Maths. (may not be taken without Maths.) ; 29. Mechanics (may not be taken with Phys. or without Maths.) ; 30. Art ; 31. Music.

No lang. may be taken on both the Higher and the Lower Grade.

Candidates are required to take, at one and the same examn., not fewer than six or more than seven subjects, and to pass in not fewer than five subjects with not less than 33⅓ per cent. in each of the five, and obtain a fixed minimum aggregate. Candidates so passing obtain EITHER *School Leaving Certificates*, if the subjects passed include (i) an official lang. (*i.e.* English or Afrikaans)† on the Higher Grade and (ii) another lang. ; OR *Matriculation Certificates*, if the subjects passed include four subjects in each of which the candidate has obtained the Matric. standard of 40 per cent., viz. (I) an official lang. (*i.e.* English or Afrikaans) on the Higher Grade ; (II) the other official lang., on the Higher or Lower Grade, or an approved Bantu lang. or Latin or Greek or French

* H. = Higher Grade ; L. = Lower Grade.

† The medium of instruction in the teaching Universities is predominantly either English or Afrikaans, viz. English at the Universities of Cape Town, Natal, Rhodes and the Witwatersrand, Johannesburg, and Afrikaans at the Universities of the Orange Free State, Potchefstroom, Pretoria and Stellenbosch. The University of South Africa conducts examinations in both media for external students and it has a division of External Studies.

or German ; (III) Maths. or a Sci. ; (IV) Maths. if not taken under (III) or another lang. from (II) or Hist. or Geog. or Portuguese or Hebrew or other lang. in which the Bd. decides to conduct an examn. Candidates who are awarded a Matric. Certif. must have *either* (i) included in their four subjects Maths. or an approved lang. other than English or Afrikaans or Nederlands, *or* (ii) taken Maths. or an approved lang. other than English or Afrikaans or Nederlands, as a fifth subject, and obtained not less than 33⅓ per cent. of the total marks.

The four Provincial Depts. of Education in the Union (Cape, Natal, Orange Free State and the Transvaal), and the Union Dept. of Education, Arts and Science, conduct examns. for a sr. certif. on syllabuses approved by the Bd. These examns. are recognized by the Bd. for exemption from its own Matric. Examn. subject to conditions prescribed by the Bd.

FACULTY AND DEPARTMENTAL REQUIREMENTS. Although the Bd.'s Matric. Certif. or Certif. of Exemption is the normal requirement for admission to a Univ., certain subjects are prescribed by the Univs. as prerequisites for enrolment in some Depts. or Facs. A student is advised to have a broad general educn. and to take for the Matric. Certif. at least two of the subjects, Maths., Latin, Greek, French, German, in addition to both official langs., *i.e.* Afrikaans and English. Maths. is essential for Agric., Archit., Forestry, Med. and Quantity Surveying, and highly desirable for courses in Accountancy, Engin., Land Surveying and Sci. A knowledge of Latin of matric. standard is necessary for Law. Further particulars of Fac. and Departmental requirements should be obtained direct from the Registrars of the individual Univs., *not* from the Joint Matriculation Board.

OVERSEAS EXAMINATIONS. The Bd. recognizes for purposes of exemption School Certifs. issued by a number of overseas bodies if the Certifs. entitle the holder to unconditional admission to an approved Univ. in the country of origin and the subjects passed and the standard attained are in accordance with the Bd.'s regulns. for its own Matric. Certif. As examples, a Credit in a subject for the Cambridge Oversea School Certif. is accepted as equivalent to a " 40% pass," and a pass in a subject for the Higher Certif. of the Oxford and Cambridge Schools Examn. Board and a pass at Ordinary level for the General Certificate of Education are similarly accepted. Exemption is given subject for subject (English Lang. is recognized as fulfilling the requirement for exemption from English, but not English Lit.). The Board may issue either a Certif. of full exemption or a Certif. of conditional exemption which may be converted into a Certif. of full exemption if the holder fulfils specified conditions within a prescribed time.

Overseas qualificns. recognized by the Bd. include : the School Certifs. awarded by each of the eight Examining Bodies in England and Wales recognized by the Ministry of Education for England and Wales (v. *supra*, p. 1569) ; the General Certifs. of Educn. awarded, in and after 1951, by the same eight Examining Bodies ; the Higher School Certifs. of five of these Examining Bodies (*i.e.* Oxford and Cambridge Schools Examn. Bd. ; Northern Jt. Matric. Bd. ; London Univ. ; Oxford Local

Examns. Delegacy ; Univ. of Cambridge Local Examns. Syndicate ; Central Welsh Bd.) ; Inter. Examn., First Class, of Indian Univs. ; Matric. or other entrance certif. of other approved Univs. ; Leaving Certif. of Education Depts. or Secondary Schools entitling holder to admission to an approved Univ. ; Leaving Certifs. of Education Depts. of Scotland and Eire ; Sr. Certif. of Education Dept., N. Ireland ; Hoofdakte (Holland).

SPECIAL EXEMPTION. Non-matriculated candidates over the age of 25 who desire to proceed to a degree and are not eligible for exemption under the ordinary regulns. may, under certain conditions, be specially exempted from Matric. on the recommendation of a Univ. Such candidates cannot be admitted to a degree unless they have not only completed the curriculum for the degree but have also fulfilled any other conditions for exemption from the Matric. Examn.

A full and official statement of the Matriculation requirements of the South African Universities is contained in the annual Matriculation Examination Handbook *published by the Joint Matriculation Board, P.O. Box 392, Pretoria, South Africa. Full details of each University's Faculty and Departmental prerequisites, which are additional to the Joint Matriculation Board's requirements, should be obtained direct from the Registrar of the University,* not *from the Joint Matriculation Board.*

APPENDIX II

POSTGRADUATE AWARDS (FELLOWSHIPS, SCHOLARSHIPS, GRANTS, ETC.) FOR ADVANCED STUDY AND RESEARCH TENABLE IN THE UNITED KINGDOM

The scope of this Appendix is limited to awards tenable at Universities or institutions of equivalent status in the United Kingdom.

To facilitate prompt reference by prospective applicants, the principal classification on the score of eligibility into which each award falls has been indicated as follows:

* open to graduates of United Kingdom Univs.;
† open to graduates of British Univs. overseas;
‡ open to graduates of Univs. outside the British Commonwealth.

These symbols are not intended to indicate that in all cases the award is limited to *graduates*. The field of eligibility is more precisely defined in the paragraph of information following each title. An award which is only open to the graduates of the Univ. announcing it, is not included in this Appendix.

Cross-references throughout the text relate to the bracketed numbers opposite each award or group of awards and not to page numerals.

Reference may also be made to the following publications: *Study Abroad*, an annual international Handbook of Fellowships, Scholarships, and Educational Exchange (UNESCO); *Inter-Commonwealth Postgraduate Scholarships in Science* (H.M.S.O. for British Commonwealth of Nations Scientific Liaison Offices, London, 1951); and *The B.M.A. Book of Medical Scholarships* (British Medical Association, London, 1951). Canadian graduates should consult *D.B.S. Reference Paper No. 21* (Dominion Bureau of Statistics, Ottawa, 1954), which lists postgraduate scholarships and fellowships open to Canadian students.

Prospective applicants should note that Ministry of Education State Scholarships (*see* [40]) are available in respect of *certain* postgraduate awards at Universities and University Colleges in England and Wales. Candidates must have begun a degree course not before Oct. 1946 and must normally be resident in England or Wales.

The list of awards in this Appendix is arranged in order of subject as follows:

1. General (the subject being optional or there being a large field of choice) [1]-[57].
2. Agriculture, Veterinary Science, etc. [58]-[69].
3. Applied Science and Technology [70]-[85].
4. Arts (General) [86]-[98].
5. Arts (Special Subjects) [99]-[139].

Anthropology [99]-[102].
Architecture, Art and Archæology [103], [104].
Classics [105]-[109].
English [110], [111].
Geography.

History [112]-[117].
International Relations [117A], [118].
Law [119]-[124].
Librarianship [125].
Mathematics [126], [127].
Modern Languages [128], [129].
Music.
Oriental and African Studies [130]-[137].
Philosophy and Psychology [138], [139].

6. Dentistry [140]-[142].
7. Economics and Sociology [143]-[158].
8. Education [159]-[161].
9. Engineering (General) [162]-[168].
10. Engineering (Special Subjects) [169]-[184].
    Aeronautics [169]-[171].
    Agricultural Engineering [172].
    Chemical Engineering, v. 16.
    Civil Engineering [173]-[175].
    Electrical Engineering [176]-[179].
    Mechanical Engineering [180]-[182].
    Mining and Mining Engineering [183].
    Naval Architecture and Marine Engineering [184].
11. Fisheries [185]-[187].
12. Medicine and Surgery (General) [188]-[211].
13. Medicine and Surgery (Special Subjects) [212]-[252].
    Anatomy [212].
    Bacteriology [213], [214].
    Biochemistry, v. 16.
    Cancer [215]-[221].
    Cardiology.
    Diseases of Children [222], [223].
    Neurology and Psychiatry [224]-[229].
    Obstetrics and Gynæcology [231]-[233].
    Ophthalmology [234], [235]
    Orthopædic Surgery [236], [237].
    Oto - Rhino - Laryngology [238].
    Pathology [239]-[243].
    Physiology [244]-[246].
    Preventive Medicine [247]-[249].
    Tropical Medicine and Hygiene [250].
    Tuberculosis [251].
    Urology [252].
14. Psychical Research [253].
15. Science (General) [254]-[281A].
16. Science (Special Subjects) [282]-[329].
    Astronomy [282].
    Biochemistry [283]-[286].
    Biology [287]-[289].
    Botany [290], [291].
    Chemical Engineering [292]-[297].
    Chemistry [298]-[308].
    Colloid Science [309].
    Ecology [310].
    Electrotechnics.
    Fuel Technology [311].
    Geology and Geophysics [312]-[314].
    Mathematics, v. 5.
    Metallurgy [315]-[318].
    Meteorological Science.
    Nutrition [318A], [319].
    Pharmacy [320]-[323].
    Physics [324]-[328].
    Zoology [329].
17. Theology [330]-[332].
18. Prizes [333]-[352].

1. GENERAL

[1] * † ‡ BELFAST, THE QUEEN'S UNIV. *Senior Studentships*, £275 p.a. for 2 yrs., open to graduates of at least 1 yr.'s standing of Belfast or any other approved Univ., tenable normally at Belfast. Applicants should have had previous research experience and have proved their aptitude for it, and should briefly describe the piece of research or other original work upon which they propose to embark. Applications to the Secretary of the Academic Council by June 1.

[2] * † ‡ BRISTOL UNIV. A limited number of *Graduate Scholarships* open to graduates of Univs. in the U.K. and, in exceptional cases, to graduates of overseas Univs., for research in the various Faculties of the Univ.; tenable for one session but renewable for a 2nd and, in exceptional circumstances, a 3rd session. Value: course fee and maintenance grant of £220 p.a. (£170 for graduates living at home.) Applications to the Registrar before June 1.

[3] BRITISH COUNCIL, 65 Davies Street, London, W.1. * † ‡ (i) *Scholarships* are awarded each year to graduates of overseas Univs. and those holding equivalent qualifications. These are tenable at British Univs. and cover passage, fees, and full maintenance for at least one academic year. Arrangements for the preliminary selection of scholars are in the hands of the Council Representatives abroad or H.M. Missions in the countries concerned.

* † ‡ (ii) The Council also awards a number of *Travel Grants* under the provisions of the Commonwealth University Interchange Scheme, tenable by Univ. teachers on study leave and, in certain circumstances, by postgraduate research workers. Grants are intended to assist visits either way (*a*) between the United Kingdom and overseas Commonwealth countries; (*b*) between the United Kingdom and the following Colonial countries—Gold Coast, Hong Kong, Jamaica, Malaya, Malta, Nigeria and Uganda; (*c*) between overseas Commonwealth countries and the above Colonial countries; and (*d*) between any of the above Colonial countries. Grants normally cover tourist sea passage only. Particulars from Registrars of Universities, Council Representatives in the countries concerned, or from the Secretary, Committee for Commonwealth University Interchange, c/o The British Council, 65 Davies Street, London, W.1.

[4] * BRITISH FEDERATION OF UNIVERSITY WOMEN, LTD., 17A King's Road, London, S.W.3. *Ida Smedley MacLean Junior British Scholarship*, £100, offered annually to a British woman graduate under 26 yrs. Subject and place of study optional.

A number of other awards are made from time to time.

Further details from the Secretary at above address.

[5] * † ‡ CAMBRIDGE UNIV. *Bartle Frere Exhibitions*, for study or research in any branch of knowledge relating to any part of the Commonwealth except the U.K., India and Pakistan. Tenable normally in Cambridge for 1 yr. but may be prolonged for a 2nd yr. Competition open to all. Applications to the Secretary of the General Board, The Old Schools, Cambridge, by Feb. 13.

[6] * † ‡ CAMBRIDGE UNIV.: CHRIST'S COLL. *Research Studentship.* Annual value not more than £300, normally tenable for 2 yrs. Open to graduates of any Univ. other than Cambridge. Successful candidate must read for Cambridge Ph.D. Further particulars from the Master.

[7] * † ‡ CAMBRIDGE UNIV.: DOWNING COLL. One *Alan Buchanan Studentship* awarded annually for research in any Faculty of the Univ. of Cambridge. Available to a person who is a registered research student of the Univ. of Cambridge or will be accepted as such. Such person if not already a member of Downing Coll. will be required to become a member on his election.

The award may be held for 3 yrs. and its titular value is £50, but it is eligible for supplementation by the Ministry of Education. Further information from Senior Tutor.

[8] CAMBRIDGE UNIV.: GIRTON COLL. * † ‡ (i) *Carlisle Research Scholarships,* value £15-£60 each, tenable for 1 yr. at Girton. Usually open to women graduates of any Univ. One or more offered annually. Closing date usually May 20.

* † ‡ (ii) *M. M. Dunlop Scholarship. See under* Arts (Classics) [106]. Further particulars from College Secretary.

[9] * † ‡ CAMBRIDGE UNIV.: GONVILLE AND CAIUS COLL. A *Rhondda Research Studentship* of value (dependent upon the student's pecuniary circumstances) not exceeding £375 p.a. with certain additional allowances tenable during preparation for the Ph.D. degree in the Univ. of Cambridge, is awarded from time to time, usually annually. Open to men under 26 yrs. of age on Oct. 1 of the year of application, who have graduated at any Univ. other than Cambridge or who are otherwise qualified to undertake research, provided that they have not begun residence in the Univ. of Cambridge. Tenure is conditional on acceptance by the Univ. for admission as a Research Student, and upon diligence in the approved course of research, and is normally for 2 yrs. but with possibility of renewal for a 3rd yr. A candidate must be nominated by the Hd. of his Univ. through whom the application must be submitted. Applications, with certificates of birth, graduation, and good character, record of education, statement of the research or kind of research the candidate is prepared to undertake, and evidence of aptitude for research (including testimonials or original work, or both), should reach the Master not later than March 1.

[10] † CAMBRIDGE UNIV.: KING'S COLL. The Coll. will award in alternate yrs. a *Studentship* of the value of £300 for 1 yr., renewable for a 2nd yr, to a graduate or prospective graduate from each of the Dominions of New Zealand, Australia, Canada and S. Africa. The student should normally affiliate and read for an Hons. B.A. degree, but in exceptional circumstances he may be permitted to do research instead. The subject may be any in the curriculum of Cambridge Univ. The award will be assigned primarily to a particular Univ. for purposes of nomination. The *Orford Studentship* for a New Zealand graduate and the *Grainger Studentship* for a graduate of Toronto will be offered for Oct. 1955. Further information from Sr. Tutor.

[11] CAMBRIDGE UNIV.: NEWNHAM COLL. * † (i) *Mary Bateson Fellowship*, £250 p.a. for 3 yrs., tenable at Newnham Coll., for research in any subject, preference being given to a student of Hist. Awarded on a dissertation or other written work. Open to women graduates of any Univ. in Great Britain or in another part of the Commonwealth, preference being given, other things being equal, to a past or present student of the Coll. Awarded from time to time as funds permit.

* † (ii) *Associates' Fellowships*. Value and conditions as for (iii).

* † (iii) *Old Students' Fellowship*. £250 p.a. for 3 yrs., tenable at Newnham Coll., for research in any subject. Awarded on a dissertation or other written work. Open to women graduates of any Univ. in Great Britain or in another part of the Commonwealth, preference being given, other things being equal, to a past or present student of the Coll. Awarded from time to time as funds permit.

* ‡ (iv) *Gamble Studentship* for research in a subject other than Natural Sciences, offered annually, tenable at Newnham Coll. Open to women graduates of Bristol Univ., and of Trinity Coll., Dublin, as well as to graduates of Newnham. Further information from the Principal.

[12] * † CAMBRIDGE UNIV.: ST. CATHARINE'S COLL. One or more *Postgraduate Awards*, the value of which will be determined in accordance with the needs of the applicants. Open to graduates of Univs. in Great Britain and Ireland and of British Univs. overseas.

Further information may be obtained from the Master.

[13] * † CAMBRIDGE UNIV.: ST. JOHN'S COLL. The Coll. will offer from time to time (at present annually) to a scholar from one of the British Dominions a *Fellowship*, tenable at the Coll. for 1 yr., to enable him to pursue his own study and research and make contacts with scholars in Cambridge. The Fellowship entitles the holder to a stipend of £300 for the year of his tenure, to rooms in Coll., and to the other rights and privileges of a Fellow of the Coll. Persons interested, who may include Teachers and Research Workers on leave of absence from their own Universities, may obtain further information from the Master.

[14] * † ‡ CAMBRIDGE UNIV.: TRINITY COLL. A *Research Studentship* of value (dependent on the student's pecuniary circumstances) not exceeding £425 p.a., tenable during preparation for the Ph.D. degree in the Univ. of Cambridge, is awarded annually. Open to men under 26 yrs. of age who have graduated at any Univ. other than Cambridge or are otherwise qualified, provided that they have not commenced residence in the Univ. of Cambridge and have not been engaged for more than 2 yrs. in advanced study or research. Tenure is conditional on entry as research student and diligence in the approved course. Applications, with certificates of birth, graduation and character, record of education, any evidence of aptitude for research, and full account of pecuniary circumstances, must be submitted through the head of the candidate's Univ. and should reach the Sr. Tutor not later than April 1.

[15] CANADIAN FEDERATION OF UNIVERSITY WOMEN. † (i) *Travelling Fellowship*. Value, $1500. Preference to those who have com-

pleted at least 1 yr. of graduate study and have a definite course of study or research in view. Normally awarded alternately to those engaged in scientific research and to those engaged in literary, historical, economic or philosophical studies.

† (ii) *Professional Fellowship.* Value, $1000. Preference to those who have completed at least 1 yr. of professional work and who desire to spend 1 yr. at an accredited Library School, School of Social Work, College of Education, or similar professional school.

† 1955; * † ‡ 1956 (iii) *Margaret McWilliams Fellowship.* Value, $1200. Awarded in alternate years to a Canadian graduate to study abroad and to a non-Canadian to do advanced work in Canada.

† (iv) *Junior Fellowship.* Value, $1200. Preference to those who have studied in only one Univ. and who desire to continue their studies in another.

Each award is based on evidence of character, intellectual achievement and promise, and is open to any woman holding a degree from a Canadian Univ. whose domicile is in Canada (including Newfoundland). Candidates for (i), (ii) and (iii) must be not more than 35 yrs. of age at time of award and for (iv) not more than 25. Applications before Feb. 1 to the Convener of the Fellowship Committee, Miss Virginia Cameron, Assistant Registrar, McGill University, Montreal, Quebec.

[16] * CARNEGIE TRUST FOR THE UNIVS. OF SCOTLAND. The following *Fellowships* and *Scholarships* for research in History, Economics, Modern Languages and Literature, Science and Medicine are open to graduates of Scottish Univs. normally resident in Scotland or to members of the staffs of the Univs. or Colls. in Scotland receiving grants from the Trust, and are tenable at any Univ. or other institution approved by the Trustees:

(i) A limited number of Fellowships, £800 p.a.
(ii) Senior Scholarships, £350 p.a. plus £100 for expenses.
(iii) Scholarships, £300 p.a.
(iv) Special awards, dependent upon the nature of the research, for special research projects.
(v) Grants in aid of research.

Application forms supplied by the Secretary, 22 Hanover Street, Edinburgh. Closing date for applications: March 15 in each academic yr. All awards are made for 1 yr. in the first instance.

(The following instn. does not grant scholarships but makes loans.)

[17] * † CENTRAL BUREAU LOAN FUND (constituted under the Charity Commission) makes loans free of interest to educated women and girls of British birth for training in any profession. Details from Secretary, Mrs. J. M. Auckland, 72 Peckham Hill Street, London, S.E.15.

* ‡ CHURCHILL ENDOWMENT FUND. *Fellowships, see* Appendix III [358A].

[18] * † COLLEGE HALL, Malet St., London, W.C.1. *Pfeiffer Fellowship*, value not less than £90 for one session. Awarded every 3rd yr. Candidates must be graduates of a British Univ. who are

engaged in study at the University of London for a higher degree, or in original work approved by the Council. The holder is required to reside in College Hall. Applications to the Principal.

[19] COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Old Mill Rd., New Delhi, India. † (i) *Burmah-Shell Scholarships.* Value, £382 ($1500 in Canada) p.a. plus certain allowances. Open only to citizens of India. Tenable, in approved Commonwealth countries outside India, for 2 yrs., in the following subjects: Agricultural Engineering, Termites and their eradication, Agricultural pests and their control, Dam design and construction, Highway Engineering. Candidates must possess 1st class hons. degree (or equivalent) in Physics, Chem., Agric., Entomol., Civil or Mechanical Engin.

† (ii) *Assam Oil Co. Scholarships.* Value, £382 ($1500 in Canada) p.a. plus certain allowances. Open only to citizens of India. Tenable in approved Commonwealth countries outside India, in a long list of specified subjects. Candidates must possess 1st class hons. degree (or equivalent) in Physics, Chem., Geol., Bot., Med., Civil or Electr. or Chem. Engineering, or Mining.

For both Scholarships, persons with higher academic qualificns. than hons. degrees or with research or professional experience will be preferred. Applicants should be aged from 20 to 30 yrs. Further particulars and application forms from Secretary, C.S.I.R. at address above.

[20] DURHAM UNIV.: KING'S COLL., Newcastle upon Tyne. * † (i) *College Postgraduate Studentships* (10), £200 p.a., normally tenable for 2 yrs. at King's Coll. Eligible for supplementation by Ministry of Education. Preference to graduates of Univ. of Durham. Applications to Registrar not later than May 31 in each yr.

* † (ii) *Additional College Postgraduate Studentships* (7), £80 p.a., normally tenable for 2 yrs. at King's Coll. Eligible for supplementation by Ministry of Education. Applications to Registrar not later than May 31 in each yr.

* † ‡ (iii) *Sir James Knott Fellowships* (2), £500 p.a., normally tenable for 2 yrs. at King's Coll. Open to any person who appears likely to make a noteworthy contribution to knowledge. Applications to Registrar not later than Jan. 31 in each yr.

[21] EDINBURGH UNIV. * † ‡ (i) *Richard Brown Scholarship* for research, £64 for 1 yr. Awarded annually by the Faculties of Divinity, Law, Medicine, Arts, Science and Music, in rotation. Open to grads. of any Univ. of not more than 5 yrs.' standing, and to undergrad. students of any Univ. who are proceeding to a degree in the yr. of award. A grad. of a Univ. other than Edinburgh must prosecute his research at Edinburgh Univ. Applns. by May 15 to Secretary of Univ.

* (ii) *Shaw Macfie Lang Fellowship*, £220 p.a. approx., tenable for 2 yrs. at an approved institution in a subject decided from time to time by the Senate of the Univ. Open to honours graduates of Scottish Univs.

* † ‡ (iii) *Postgraduate Studentships, Research Grants* and *Fellowships* (financed from general Univ. funds). *Studentships*, up to £250 p.a. for 1 yr., with possibility of extension. Open to graduates of a recognized Univ. of Class I or II Hons. standing who propose to take Hons. in a

second subject or undertake equivalent advanced study in the Univ. of Edinburgh. *Research Grants*, available to graduates of any Univ. carrying out research under the direction of the Hd. of a Dept. of the Univ. of Edinburgh. *Fellowships*, £450 or £650 p.a. for original research, normally at the Univ. of Edinburgh. Open to graduates of any Univ. Further particulars from the Matriculation Office or from the Offices of the Deans of the Facs. of Medicine and Science. (The awards are not normally made to graduates of other Univs. who are not already in attendance at the Univ. of Edinburgh.)

[21A] † FULBRIGHT. *Scholarships* for research and study in Britain are available to graduate students from the U.S.A. *Awards* are also made to U.S. professors and lecturers and advanced research students. Further particulars from Fulbright adviser in candidate's own Univ. or Coll.

[22] GOVERNMENT OF INDIA. † (i) *Modified Overseas Scholarships*. Value, in U.K., £382-£420 p.a. ; tenable for up to 3 yrs. Open to Indian nationals who are teachers at Indian Univs. or other institutions of higher education.

† (ii) *Central State Scholarships*. Value, if held in U.K., £30-£33 per month ; tenable for up to 3 yrs. Open to Indian nationals from " Part C " States who must be under 30 yrs. of age and have a degree from an Indian Univ.

Further particulars from the Secretary to the Govt. of India, Ministry of Education, New Delhi.

[23] † GOWRIE SCHOLARSHIP TRUST FUND. 2 postgraduate *Research Travelling Scholarships* awarded by trustees annually to graduates of Australian Univs. Value, £500 stg. p.a. Tenable for 2 yrs. at Univs. abroad. Scholarships are awarded to members of the Australian Commonwealth Forces who have served on active service or their children. Applications to be lodged with own Registrar before Nov. 30 each yr. Enquiries to Secretary, Gowrie Scholarship Trust Fund, Box 2069, G.P.O., Sydney, Australia.

[24] * † ‡ HULL UNIV. *Research Studentships* in Arts (including Economics) and Science, £300 p.a. for 1 yr. in first instance, renewable for a 2nd yr. Open to graduates of any Univ. who hold a good Hons. degree. Further particulars from the Registrar.

[25] † IMPERIAL OIL LTD. *Fellowships*. Value $1250 p.a. ; tenable for maximum of 3 yrs. Awarded annually to graduates of Canadian Univs. who intend to work for a Doctor's degree in the field of Chem., Phys. and/or Engin., Geol., Econ. or Industr. Relations or Business Admin. Applications, by June 1, must be made through candidate's own Univ.

[26] † IMPERIAL ORDER DAUGHTERS OF THE EMPIRE. *Postgraduate Scholarships (Overseas)* : 9 offered annually from First War Memorial to enable students to carry out studies in History, Economics, Constitutional Govt., or any subject vital to the interests of the Commonwealth. Tenable at any United Kingdom Univ. for 1 yr., renewable for 2nd yr. 3 offered annually from Second War Memorial to enable students to carry out studies in Philosophy, History, English and French Literature.

Tenable anywhere in the British Commonwealth. Value of each Scholarship, $2000 p.a. Holders of scholps. expected to return to Canada after completion of their work. Open to men and women who must be (i) unmarried, (ii) more than 19 yrs. and less than 27 (ex-Service personnel : less than 34), (iii) British-born or naturalized allies or naturalized neutrals, with at least 5 yrs.' residence in Canada, and (iv) must hold a degree from a recognized Univ. or degree-granting Coll. in Canada, and (v) must have done or be doing postgraduate work. Applications normally to I.O.D.E. Educational Secretary in Province in which candidate graduated. Further information from Registrar of candidate's Univ.

[27] * † IMPERIAL RELATIONS TRUST. *Travel Grants* to enable Vice-Chancellors, Heads of Univ. Colls., and other persons responsible for policy and administration in Univs. in the U.K. to visit Univs. in one of the major self-governing countries of the Commonwealth and similar persons from these Univs. to come to the U.K. Value and duration variable. Awarded in a different Commonwealth country each year. Further particulars from the Secretary, Association of Universities of the British Commonwealth, 36 Gordon Square, London, W.C.1

[28] * † ‡ INTERNATIONAL FEDERATION OF UNIVERSITY WOMEN, 1 Sedding Street, Sloane Square, London, S.W.1, awards *International Research Fellowships* to its members, who are women graduates of some 30 countries. Available for a year's research work in some country other than that of the holder. A number of these research fellowships, varying in value from £355 to £600, are awarded annually.

Further particulars from the Secretary.

* † ‡ JOHN GOODENAY TRUST. *Travelling Research Fellowships, see* Appendix III [365].

[29] * † LEEDS UNIV. *Frank Gott Scholarship*, £80 p.a., open to Hons. graduates of any Univ. in Gt. Britain or British Colonies or Dominions for advanced study and research in the Univ. of Leeds. Tenable for 2 yrs. Evidence of British and Christian parentage required. Applicns. to trustees of Gott Bequest through Registrar. Awarded in June.

[30] * † LEICESTER UNIV. COLL. *Research Scholarships.* Value, up to £250 p.a. In Arts, Science, and Economics, tenable in any dept. of the College for 1 yr. in first instance, renewable for 2nd yr., preferably with a view to reading for a higher degree. Open to graduates of Univs. in British Commonwealth. Further particulars from the Registrar.

[31] * † LEVERHULME RESEARCH AWARDS. *Fellowships* and *Grants-in-aid* are awarded to sr. workers of established position who are prevented by routine duties or pressure of work from carrying out research. They are limited to British-born subjects normally resident in the U.K. In exceptional circumstances, the Trustees may waive the condition as to residence. The duration of the awards does not extend over more than 2 yrs. or less than 3 mos. and the amount depends on the nature of the research and the circumstances of the candidate. Closing date Dec. 31. Further particulars and forms of application from the

Secretary, Leverhulme Research Awards, St. Bridget's House, Bridewell Place, London, E.C.4.

[32] LONDON UNIV.: BEDFORD COLL. FOR WOMEN. * † ‡ (i) *Marie Souvestre Scholarship*, £75 p.a. for 2 yrs., or £150 for 1 yr., tenable at Bedford College. Awarded biennially. Next award 1955. Open to Frenchwomen only.

* † ‡ (ii) *Clay Scholarships*. £40 for 1 yr. 2 or 3 scholps. awarded each yr., one being reserved for graduates of the Univ. of London.

* † ‡ (iii) *Postgraduate Fellowships* (Junior Fellowships, £350-£400; Senior Fellowships, £500-£600). Awarded annually; tenable at Bedford College for 1 yr.

Further particulars from the Registrar.

[33] * † ‡ LONDON UNIV.: KING'S COLL., Strand, London, W.C.2. *Tutorial Studentships* of £375 p.a. are offered in several Departments, and are renewable annually to a maximum of 4 yrs. Open to graduates of any Univ. who are reading for a higher degree. The holders will be required to assist in their Departments for 6 (in some cases 9) hours per week. Vacancies do not normally recur annually but are advertised in the Public Appointments column of *The Times* about May.

[34] LONDON UNIV.: QUEEN MARY COLL. * (i) *College Research Studentships*. Ten offered annually, 5 at titular value of £50 and 5 at titular value of £40, all tenable for 1 yr. in first instance. May be held in any dept. and are eligible for supplementation by Ministry of Education.

* (ii) *Special Drapers' Company Research Studentships*. Value, £300 or £350 p.a. for 3 yrs. Not less than 3 are offered annually and they may be held in any dept.

[35] LONDON UNIV.: ROYAL HOLLOWAY COLL. * † ‡ (i) *Jubilee Research Fellowship*, tenable for 2 yrs. Intended to promote research work, preferably in those subjects in which Univ. courses are provided at the Coll. Open to women of any nationality who have already shown ability for research. The Fellowship includes all the privileges of a resident member of the staff, including board and residence in Coll. for about 45 weeks a yr. and a stipend of £250 p.a. paid terminally in advance. Last award 1949. Next award probably 1955.

* † ‡ (ii) *Postgraduate Studentships*. 5 of £60 p.a., 10 of £40 p.a.; normally tenable for 2 sessions. Eligible for supplementation by the Ministry of Education. Awarded annually. £60 Studentships open to women only; holders must be resident. £40 Studentships open to both men and women; holders may, if women, be resident. Both open to graduates of any Univ. qualified to undertake research work, and to any present students of the Coll. who wish to take up research or advanced study and who are completing their degree course in the year in which they apply. Further particulars from the Registrar.

[36] LONDON UNIV.: WESTFIELD COLL. * † ‡ (i) Four resident *Research Studentships* open to women graduates of any Univ. in Arts, and in the case of Mathematics, in either Arts or Science. Value £250,

from which is deducted £145 for 3 terms' residence. M.A. or Ph.D. fees are payable as listed in the prospectus.

* † ‡ (ii) *Postgraduate Studentships* (up to 6), value £40 p.a. and eligible for supplementation by the Ministry of Education. Subject to the same conditions as are given above and open to women of any Univ. who have recently graduated or who are in their final undergraduate year.

Applications (15 sets) for the ensuing academic year should be made to the Registrar in Feb. and should be accompanied by a scheme of work, copies of not more than 3 testimonials and names of 2 referees.

[37] MANCHESTER UNIV. * † ‡ (i) A limited number of *Hon. Research Fellowships* are offered to candidates who can satisfy the Faculty concerned that they are qualified for some special study or investigation. Fellows work under the direction of the relevant Prof., and Fellows in Experimental Science are allowed to use approved appliances in the laboratory. They must themselves provide special apparatus and materials. Tenable, normally at the above, for 1 yr., renewable for 2nd and possibly 3rd yr. Further particulars from the Registrar.

* † ‡ (ii) *Ashburne Hall Research Studentship* of the value of board and lodging in Ashburne Hall throughout three Univ. terms. Open to women graduates of approved Univs. Permission may be given to hold the Studentship concurrently with other awards made by the Univ. or outside bodies. Last date for application, July 1.

* † ‡ (iii) *Old Ashburnian Scholarship* of the value of £100 for 1 yr. Open to women graduates of approved Univs. Scholar required to reside in Ashburne Hall during tenure. Preference to candidates who will read for a higher degree of Manchester or engage in research in the Univ. Last date for application, July 1. Next offer: 1956.

[38] ‡ MARSHALL SCHOLARSHIPS (for U.S. graduates). Particulars from H.M. Consulates-General in New York, New Orleans, Chicago and San Francisco.

[39] † MELBOURNE UNIV. *Sir Arthur Sims Travelling Scholarship.* Value, £A500 p.a.; tenable for 2 yrs. with provision for re-award for 3rd yr. on recommendation of Selection Committee; awarded for study or research in Ancient or Modern Languages, History, Philosophy, Physics, Chemistry, Maths. and Medicine, or in any other subject which the Committee may from time to time select. Purpose is to give the scholar an opportunity of further study or of research work at an approved institution in the United Kingdom. Open to graduates of any Australian Univ. Further particulars from Research Secretary, Univ. of Melbourne.

[40] * MINISTRY OF EDUCATION, Curzon Street, London, W.1. *State Scholarships* are available in respect of certain postgraduate awards at Univs. and Univ. Colls. in England and Wales. Candidates must have begun a degree course not before Oct. 1946, and must normally be resident in England or Wales. Ministry pays approved fees and a sum, subject to financial circumstances of student and parents, to bring

resources up to approved standard figure of maintenance for the Univ. concerned. Particulars from Registrars of Univs. and Univ. Colls.

[41] * † ‡ NORTH STAFFORDSHIRE UNIV. COLL. Limited number (not exceeding 9) of *Research Studentships* available. Value £250 p.a.; tenable for 1 yr. with possible extension for 2nd yr. Available to graduates of any Univ., for res. work in Arts, Social Studies and Experimental Sciences Depts. Applications to Registrar not later than June 15 for following academic yr.

[42] NOTTINGHAM UNIV. * † ‡ (i) A limited number of *Postgraduate Studentships* (approx. 7 new awards annually) in the Faculties of Arts (including Economics, Law and Social Studies), Education, Pure Science, Applied Science, Agriculture and Horticulture; tenable for 1 yr. but renewable for a 2nd and 3rd yr., usually at the University, but permission may be granted for some period to be spent elsewhere. Value £300 p.a. with remission of appropriate fees. Applications to Registrar not later than July 1.

* † ‡ (ii) A limited number (approx. 3 new awards annually) of *Revis Postgraduate Studentships*, tenable for 1 yr. but renewable for a 2nd and 3rd yr. at the Univ. in any of the above Faculties. Value £50 p.a. Approved for award of State Scholp. Candidates must be ordinarily resident or the children of parents ordinarily resident in the counties of Derby, Leicester, Lincoln, Northampton, Nottingham, Rutland or the Soke of Peterborough. Applications to Registrar not later than July 1.

* † ‡ (iii) A limited number (normally 1 new award annually) of *Research Fellowships*. £600 p.a. for 3 yrs. Holders eligible for family allowances and admission to F.S.S.U. Open to candidates considered likely to make a significant contribution to the advancement of learning in a subject or group of subjects which will be prescribed by the Univ. for each award. Dates of application given in announcement that award is available.

Further particulars from the Registrar.

[43] † NUFFIELD FOUNDATION, Nuffield Lodge, Regent's Park, London, N.W.1. *Dominion Travelling Fellowships*. For Australia, Canada, New Zealand and S. Africa, the subjects are Medicine, Natural and Social Sciences, and Humanities. For Ceylon, India and Pakistan, the subjects vary from year to year. The awards are to enable qualified men and women to obtain in the U.K. such postgraduate training as will assist them to become teachers and research workers in their particular field on return to their own Dominion. Award includes cost of travelling to and from Gt. Britain. Tenable for 1 yr.

Further particulars and application forms, from the Secretary of the Advisory Cttee. in the applicant's own country: *Australia*—Sec., Nuffield Foundation Australian Advisory Cttee., c/o Univ. of Melbourne, Carlton, N.3, Vic. (interim arrangement). *Canada*—G. V. Ferguson, Esq., Montreal *Daily Star*, 241-5 St. James St., Montreal. *Ceylon*—H. J. Balmond, Esq., c/o Univ. of Ceylon, Colombo 3. *India*—V. Kalyanasundaram, Esq., c/o Dharbhanga House Annexe, 25 Akbar

Rd., New Delhi. *New Zealand*—Dr. R. E. Corbett, Dept. of Chemistry, Univ. of Otago, Dunedin. *Pakistan*—A. R. Khan, Esq., Education Ministry, Govt. of Pakistan, Karachi. *S. Africa*—Dr. S. P. Jackson, Dept. of Geography, Univ. of the Witwatersrand, Johannesburg.

[44] * † ‡ OXFORD UNIV.: CHRIST CHURCH. *Lectureships.* The Governing Body may and (if the funds at its disposal permit) will offer in each yr. at least one Lectureship open to persons qualified to engage in original research. Such Lecturers shall be appointed, subject to the condition that they shall undertake to perform some definite literary or scientific work in the House or in the University or (with the permission of the House) elsewhere, for a period of two yrs., and may be reappointed for further periods up to a maximum total of five yrs. The emoluments are £450 p.a. Further particulars from the Senior Censor.

[45] OXFORD UNIV.: LADY MARGARET HALL. * † ‡ (i) *Resident Research Fellowship*, value £300, open to women graduates of any Univ., given for 3 yrs. in first instance, with possibility of renewal.

* † ‡ (ii) *Research Scholarship*, value £60, open in alternate years to women graduates of any Univ., awarded for 1 yr. in first instance, with possibility of renewal for a 2nd yr.

* † ‡ (iii) *Susette Taylor Fellowship* for independent study abroad. Value £150, open to women graduates of any Univ., with preference for Oxford. Awarded in first instance for 1 yr., with possible extension. Tenure from Sept. 1. Applications by beginning of Jan.

For (i), (ii) and (iii) above there is a personal interview with the Selection Cttee. for short-listed candidates.

[46] * † ‡ OXFORD UNIV.: ST. ANNE'S COLL. *Una Goodwin Scholarship.* Open to women who are graduates of any Univ. or who can show proof of fitness to undertake advanced work (British graduates must hold 1st or 2nd class Hons.) to read for one of following degrees at Oxford Univ.—B.Litt., B.Sc., B.Phil., D.Phil., though other branches of study may be considered by Council. Value, £40 (may be supplemented by Ministry of Education), tenable for 1 yr. in first instance, with possibility of renewal for 2nd yr. Residents abroad should note that short-listed candidates are required to attend for personal interview at short notice. Applications close March 31. Further particulars may be obtained from the Secretary.

[47] * † ‡ OXFORD UNIV.: ST. ANTONY'S COLL. *Postgraduate Scholarships.* One or more scholarships of £400 each p.a. awarded for 2 yrs. to men graduates, principally in the field of Modern History, International Relations or Politics. Scholars are required to work for one of the degrees D.Phil., B.Litt. Residence in Oxford during term is necessary. Further particulars from the Secretary.

[48] * † OXFORD UNIV.: ST. HUGH'S COLL. *Mary Gray Allen Senior Scholarship*, value £100, open to women graduates of a British Univ. Awarded for 1 yr. in first instance with possibility of renewal for 2nd yr.

[49] ‡ OXFORD UNIV.: SOMERVILLE COLL. *Lady Carlisle Research Fellowship*, present value £300 p.a. with board and residence for 5 yrs., renewable up to 10 yrs. Open only to women of European race and to naturalized Jewesses who are unmarried or widows. Last award 1951.

[50] * † ‡ READING UNIV. *Research Fellowships*, value £600 p.a., tenable, subject to annual review, for 3 yrs. Open to Univ. graduates under 35 yrs. of age who have had previous training in research to standard normally required for Ph.D. degree. Tenable in any of the Facs. of the Univ. Further particulars from Registrar.

[51] † ‡ RHODES TRUST. *Scholarships* to enable students from the British Dominions (36) and U.S.A. (32) who have been selected for qualities of intellect and character, to study at the Univ. of Oxford for an honours or research degree. Value, £600 p.a. each; tenable for 2 yrs. at Oxford and renewable for a 3rd yr. at Oxford or, in special cases, elsewhere, but not in the scholar's own country. Open to male candidates, unmarried and between the ages of 19 and 25, who are citizens of the country from which they come and who have at least 2 yrs.' standing at a regular degree-granting Coll. or Univ. (The last of these qualifications is not required of candidates in Bermuda, Jamaica, and 4 South African schools.) *See also* pp. 482-483.

Further particulars from the Secretary to the Trustees, 36 Beaumont Street, Oxford.

[52] * † ‡ ROTARY INTERNATIONAL, 1600 Ridge Ave., Evanston, Ill., U.S.A. *Rotary Foundation Fellowships*. Tenable for 1 academic yr. at a Univ. in some country other than applicant's own. Candidates should be aged 20-28 and must have B.A. or equivalent. Value of award varies according to country of study and covers transportation, tuition fees, maintenance expenses, books, etc. Applications must be sponsored by Rotary Club nearest applicant's home. Enquiries should first be made during summer of previous yr. *Rotary International does not accept applications direct.*

[53] * † ‡ ROYAL EMPIRE SOCIETY. *Annual grants* from a small fund are made to facilitate the publication of original monographs, of not more than 60,000-80,000 words, embodying results of research conducted into some matter of importance relating to the Commonwealth overseas or some associated subject. The research may be concerned with any appropriate subject, whether in political, natural, or economic science or in the field of literature. Candidates should not be more than 35 yrs. of age on Dec. 31 in the year of application.

Further particulars from the Secretary, Imperial Studies Committee, Royal Empire Society, Northumberland Avenue, London, W.C.2.

[54] ROYAL SOCIETY OF CANADA. † (i) *Research Fellowships* of maximum value of $2500 each are awarded annually to Canadians who have done advanced work in any branch of Science or Literature. Normally tenable outside Canada only. Open to men and women on equal terms, whose age does not exceed 35 yrs. Except in very special cases, candidates must have Ph.D. or equivalent.

† (ii) *Pre-doctoral Fellowships* of $1500 each in the Humanities also available.

Further particulars from the Secretary, Fellowships Board, Royal Society of Canada, National Research Council, Sussex Street, Ottawa, Canada.

[55] † SERVICES CANTEENS TRUST FUND. *Postgraduate Scholarship.* Awarded annually for study overseas to a graduate of any approved Univ. whose father or mother served in the Australian Forces during the 1939–45 War. Value, £A800 p.a. Tenable at any Univ. overseas for a period of up to 3 yrs. Applications to be lodged with General Secretary, Services Canteens Trust Fund, Victoria Barracks, St. Kilda Road, Melbourne, Australia, before Nov. 1 each yr.

[56] * † ‡ SHEFFIELD UNIV. *Sir Henry Stephenson Fellowship* for advanced study or research at the Univ., value £300-£600, tenable for 1 yr. with possibility of reappointment. A candidate must be a graduate of a Univ. in the British Isles, or of some other approved Univ. and a communicant member of the Church of England, preferably a person who is in, or intends to be in, Holy Orders. Further particulars from the Registrar.

[57] * † ‡ SOUTHAMPTON UNIV. A limited number of awards are made by the Univ. for postgraduate research : (*a*) *Postgraduate Scholarships* of £100 p.a. (supplemented by the Ministry of Education). (*b*) *Grants* not exceeding £260 p.a. These are given in exceptional circumstances only. All awards are tenable for 2 yrs. subject to satisfactory reports and in special cases may be renewed for a third yr.

Applicants must provide the Univ. Research Cttee. with full information as to the nature of the research proposed, and furnish, at the end of the academic yr., a report embodying an account of progress made in the work undertaken. Last day for applications, June 1. Further particulars from Academic Registrar.

2. AGRICULTURE, VETERINARY SCIENCE, ETC.

[58] AGRICULTURAL RESEARCH COUNCIL, Cunard Building, 15 Regent St., London, S.W.1.

* † (i) *Training Grants* and *Research Studentships* in Agricultural Science and in Animal Health. To enable students to take postgraduate training either in some aspect of science not adequately covered in their curricula or in the methods of research in subjects with which they have already been concerned; opportunities also provided for science graduates to obtain a veterinary professional qualification with a view to undertaking research into problems of animal health. Training provided, usually at Univs. or Research Institutions in Great Britain, although primarily directed to research, is also suitable for those who wish to obtain certain specialized appointments in Agricultural Advisory Services. Candidates should be graduates with Hons. in Science or possess an equivalent qualification or a veterinary qualification. Nominations will be considered of candidates who are about to sit for, or who are awaiting the result of, their final examination. Value varies

from £250-£350 p.a., free of Income Tax ; an additional allowance may be made to candidates having 2 or more yrs. postgraduate research experience and to candidates with veterinary or medical qualifications. Fees compulsorily incurred and other approved expenses will also be paid.

Applications are usually considered in the Spring, but may be considered at any time.

* † (ii) *Junior Agricultural Research Fellowships.* Limited number offered to provide opportunities for research workers of outstanding ability to continue their investigations and widen their experience in subjects relating to agriculture. Candidates must hold an Hons. degree in Science or a degree in Agriculture and should have completed not less than 3 yrs.' postgraduate study and/or research. Value £630 p.a. ; tenable for maximum of 3 yrs.

* † (iii) *Veterinary Clinical Fellowships.* 2 offered annually to enable suitably qualified veterinary clinicians and pathologists of Ph.D. standing to continue research for 2 or 3 yrs. Tenable for 1 yr. in first instance and may be renewed up to maximum of 3 yrs. Value, £850 p.a. Compulsory fees and approved travel expenses also paid.

* † (iv) *Special research grants* for specific investigations are made by the Council direct to Univs., Research Institutes and other recognized bodies. In exceptional circumstances, assistance from this source to individual experimental research workers would be considered.

All the above-mentioned awards are open to British subjects only

Further particulars from the Secretary of the Council.

[59] ANIMAL HEALTH TRUST * † ‡ (i) *Wellcome Fellowships* for research work in any branch of veterinary science. Tenable for 1 to 3 yrs. Annual value, £600, and occasionally more.

* † ‡ (ii) *Baxter Memorial Fellowship* for research work in connexion with the dairy cow. Value, £500 p.a.

* † ‡ (ii) *A. D. Allen Memorial Scholarship* for work in connexion with diseases of bovines. Value, £340 p.a.

* † ‡ (iv) *Trust Research Training Scholarships.* Value, £340 p.a. together with certain essential fees for extra postgraduate training or for research work in connexion with research degrees.

Occasionally the Trust helps students with special grants to enable them to go overseas or to help them with research in Gt. Britain.

Further particulars from the General Secretary, 14 Ashley Place, London, S.W.1.

[60] * † BRISTOL UNIV. *Boots Research Scholarship,* open to graduates of Univs. in the British Commonwealth for full-time research at the Long Ashton Agricultural and Horticultural Research Station. Value, £400 ; tenable for 2 yrs. Further particulars from the Registrar.

* † ‡ CAMBRIDGE UNIV. : GIRTON COLL. *Scientific Research Fellowships* in Veterinary Medicine, *see under* Science (General) [260].

[61] * † ‡ EMPIRE COTTON GROWING CORPORATION, 12 Chantrey House, Eccleston Street, London, S.W.1. *Postgraduate Studentships.* Open to male graduates who have completed National Service, for specialized training in such subjects as plant breeding, physiology,

pathology and genetics, entomology and soil science. Normally tenable for one year at some selected Univ. or Scientific Institution in the U.K. or alternatively at a Research Station in Africa. The value of a studentship in the United Kingdom is not less than £25 per month plus approved fees, and extra allowances to married students. Tenure of a studentship is the normal preliminary to appointment to the Corporation's staff abroad.

[62] * † LONDON UNIV.: WYE COLL., WYE, nr. Ashford, Kent. *May and Baker Research Fellowship*, £400 p.a., renewable for a maximum period of 3 yrs., tenable in the Department of Physical Sciences. Open to graduates of Univs. in Gt. Britain or Ireland or of British Univs. overseas. The holder must be prepared to carry out research in a field of Agricultural Chemistry approved by the Head of the Department.

Further particulars from the Registrar.

[63] * † ‡ MANCHESTER UNIV. *Philip Buckle Research Scholarship* in Agric. Zool. Offered at such times as funds permit, normally £300, renewable for 2nd yr. Normally tenable at the above. Open to graduates of British Univs. or other candidates possessing required qualifications, with preference to Science graduates of the Univ. Due notice will be given of the next offer.

Further particulars from the Registrar.

[64] MINISTRY OF AGRICULTURE AND FISHERIES AND DEPT. OF AGRICULTURE FOR SCOTLAND. * † (i) *Postgraduate Scholarships* for training in a wide range of agricultural and horticultural subjects, *e.g.* Animal and Crop Husbandry, Dairying, Poultry-keeping, Horticulture, Agricultural and Dairy Engineering, Agricultural Economics and Statistics. Normal value, £300-£350 p.a. plus payment of certain fees. Candidates must be British subjects resident in the U.K. On completion of period of tenure of Scholp. students are expected to undertake experimental, research, advisory or statistical work in Gt. Britain. Awards generally made in Spring or early Summer of each yr. to commence on Oct. 1. Completed application forms to Ministry by March 31 each yr.

* † (ii) *Conditional Aid* (*Agriculture*) *Postgraduate Scholarships* for training in Agricultural Economics, Farm Management, Estate Management, Land Economics and Land Use. Value, £400-£800 p.a., plus fees, books, and approved travel. Candidates must be British subjects normally resident in the United Kingdom. These awards are *not* expected to be available after the academic yr. 1955–56. Completed application forms to Ministry by March 31, 1955.

Further particulars from the Secretary, Ministry of Agriculture and Fisheries, 1-4 Cambridge Terrace, Regent's Park, London, N.W.1, by candidates resident in England, Wales or Northern Ireland; or from the Secretary, Dept. of Agriculture for Scotland, St. Andrew's House, Edinburgh, 1, by candidates resident in Scotland.

[65] NOTTINGHAM UNIV. * † ‡ (i) *Postgraduate Studentships* and *Research Fellowships*, *see under* General [42].

* † ‡ (ii) *Belper Postgraduate Scholarship*, £40 p.a. for 1, 2 or 3 yrs. Approved for award of State Scholp. Holder must read for higher

degree in the Fac. of Agriculture and Horticulture (although his first degree need not have been taken in that Faculty). Applications to Registrar not later than July 1.

[66] * † ‡ READING UNIV. *Huntley and Palmers Agricultural Research Fellowship.* Value, £600 p.a., tenable, subject to annual review, for 3 yrs. Open to Univ. graduates under 35 yrs. of age who have had previous training in research to standard normally required for Ph.D. degree. Available for research in some branch of Agriculture, Dairying, or Horticulture, or in the Sciences related thereto. Further particulars from the Registrar.

[67] ROYAL COLLEGE OF VETERINARY SURGEONS, 9-10 Red Lion Square, London, W.C.1. * † ‡ (i) *Miss Aleen Cust Research Scholarship* for research in any branch of Veterinary Science. Open to Members or Fellows of the Royal College only, who must be natural-born English, Scottish, Welsh or Irish men or women. Preference to women. Tenable for 1-3 yrs. at an approved institution at home or overseas. Value £160 p.a. or more. Holder also receives Jubilee Memorial Prize, value £40.

* † ‡ (ii) *Sir Frederick Smith Fellowship* for research in any branch of Veterinary Science. Tenable for 1 yr., renewable, at an approved institution at home or overseas. Value £300 p.a.

Further particulars from the Registrar of the Royal College.

[68] * UNITED DAIRIES, LTD , 34 Palace Court, London, W.2. One *Travelling* or *Research Scholarship* for study in a subject closely connected with dairying or dairy farming, tenable at home or abroad. Open to Univ. graduates and other persons with exceptional qualifications who are the sons or daughters of those who have been or are farmers or smallholders resident in Cornwall, Devon, Dorset or Somerset. The value is determined in each individual case.

Further particulars from the Hon. Secretary, United Dairies Scholp. Fund.

[69] * WALES, UNIV. OF : BANGOR UNIV. COLL. *John Roberts Jones Scholarship* to pursue a postgraduate course of one or two yrs.' duration in Agricultural subjects. Value £55, renewable for second yr. Open to Science graduates of British Univs. Preference to candidates born in Anglesey or N. Wales. Applications to Registrar not later than May 15 each yr.

3. APPLIED SCIENCE AND TECHNOLOGY

[70] * † BELFAST, THE QUEEN'S UNIV. *Food Industries Research Studentship*, value £350, tenable for 1 yr. at Belfast (renewable for a 2nd yr.), open to graduates (with some previous experience in research) for fundamental research in some field which may be relevant to the food industries of Northern Ireland. Applications should be submitted with the scheme of work proposed, together with a statement of qualifications and the names of two referees, to the Secretary of the Univ. before June 21.

[71] BIRMINGHAM UNIV. * † ‡ (i) *Anglo-American Studentship* in Chemical Engineering. Open to candidates with Univ. degree, with Chemistry or Engineering as principal subject, and some industrial experience in Chemical Engineering. Normally tenable for 1 yr. £350 and remission of tuition fees. Renewable for a further yr. at £400.

* † ‡ (ii) *Research Studentship* in Oil Engineering and Refining, £240 p.a., and remission of tuition fees, tenable at Birmingham, renewable annually for not more than 3 further yrs. with increase of £20 p.a. to maximum of £300. Candidates must possess a Univ. degree or equivalent in Science. Preference to those with industrial lab. experience. Offered every alternate yr.

* † ‡ (iii) *Research Scholarships* in Chemical Engineering and Petroleum Production. Two or more annually; £245-£285 and remission of tuition and examination fees. Renewable. Open to graduates (or equivalent) in Science; preference to those with industrial experience.

Further particulars from the Registrar.

[72] * † BRITISH IRON AND STEEL RESEARCH ASSOCIATION. *Bursaries* of £250-£325 p.a., plus essential fees, for the advancement of scientific knowledge directly related to the production or processing of iron and steel may be awarded to students desirous of studying for a higher degree in Metallurgy, Physics, Chemistry or Engineering. Open to graduates who are holders of a Science degree or an equivalent qualification in a Univ. in any part of the Commonwealth (including the United Kingdom). Tenable at any Univ. or Coll. but preferably not where the bursar took his first degree. The subject of research must be approved by the Director of the Association. The period of tenure will, in general, be determined by the nature of the research. Applications, stating the nature of the proposed research, should be made through the Professor of the Univ. or Coll. at which the bursary will be tenable.

Further particulars obtainable from the Personnel Officer, British Iron and Steel Research Association, 11 Park Lane, London, W.1.

[73] COURTAULDS' SCIENTIFIC AND EDUCATIONAL TRUST FUND. * † ‡ (i) *Postgraduate Research Scholarships* in Textile Technology. Tenable for 2 yrs.; value, £320 1st yr., £360 2nd yr. Tenable at Univ. of Leeds and Univ. of Manchester (Municipal Coll. of Technol.) or other approved educational establishments. Announced each Dec. in the Press. Awards made in April of each year. Applications by mid-Feb. to the Secretary, Courtaulds' Scientific and Educational Trust Fund, Courtaulds Ltd., Foleshill Rd., Coventry.

* † ‡ (ii) *Postgraduate Research Scholarships* in branches of Science and Technology, *see under* Science (General) [261].

[74] * † ‡ DURHAM UNIV.: KING'S COLL., Newcastle upon Tyne. *Coke Research Fellowship*, £350 for 1 yr., tenable at King's College. Open to graduates of any Univ. qualified for the prosecution of postgraduate research in a subject connected with the Coking Industry. Preference given to candidates who have signified their intention of entering the Coking Industry or, in the absence of such a candidate, to a person qualified for some other branch of the Fuel Industry. Applications to Registrar not later than Jan. 31 in each year.

[75] * ENGLISH SEWING COTTON CO., LTD. *Sir Richard Arkwright Scholarships*. Value, £350 p.a. Purpose: to help increase flow of highly trained technologists into the Textile Industry in United Kingdom. Candidates must hold a degree with 1st or 2nd class Hons. (or equivalent) and wish to do postgraduate study or research. Practical experience may be gained at the Company's factories, if required. Further particulars and application forms from the Secretary, Sir Richard Arkwright Scholarship Trust, c/o English Sewing Cotton Co., Ltd., Arkwright House, Manchester, 3.

* GLASGOW UNIV. *English Electric Research Fellowship* in Aeronautics, *see under* Aeronautics [169].

[76] LEEDS UNIV. * † ‡ (i) *Fellowships* (£200) and *Scholarships* (£190 to £220 with fees) instituted by the Clothworkers' Company for research in Textiles and Colour Chemistry, open to graduates of any Univ. Tenable for 1 yr. and renewable. Applications received up to June 1.

* † ‡ (ii) *Gas Research Fellowship*, £325 p.a., open to qualified candidate, with preference to one intending to enter the coal-gas industry. Tenable for 1 yr. and renewable. Award made in June.

* † ‡ (iii) *James Edmondson Ackroyd Fellowship*, value not less than £150 p.a., for research work for the furtherance of the Textile Industry of the West Riding of Yorkshire. Preference to graduates in Sci. or Technol.; open to suitable candidates from other Univs., but preference *ceteris paribus* to natives of, or residents for not less than 5 yrs. in, Bradford. Awarded for 3 yrs., and renewable for further period not exceeding 3 yrs. Awards made in June; applications received up to May 1.

* † ‡ (iv) *Yorkshire Copper Works Research Scholarship* for research in non-ferrous metallurgy, £300 p.a., tenable at the Univ. of Leeds for 1 yr., renewable. Open to suitably qualified graduates of any Univ. Applications to the Registrar on the prescribed form not later than May 1.

* † ‡ (v) *Coke Research Fellowship, see under* Sheffield Univ. below. Applications to the Registrar not later than June 1.

* † ‡ (vi) *International Wool Secretariat Scholarships* for research in the wool industry, £300 p.a., tenable in the Univ. for 1 yr., renewable. Open to graduates of any Univ. with suitable qualifications and to holders of the Diploma in Textile Industries of the Univ. of Leeds, and to Fellows and Associates of the Textile Institute. Applications should reach the Registrar not later than May 1.

* † ‡ (vii) *Bradford Dyers' Association Fellowships* in Dyeing and in Textile Finishing for research into properties of natural and synthetic fibres and the study of processes used in their treatment, £600 p.a., tenable in the Univ. for 2 yrs. in the first instance, renewable. Open to graduates in Chemistry, preferably Physical Chemistry, of any Univ. Applications to the Registrar.

* † ‡ (viii) *Procter Memorial Fellowship* for research in the leather or allied industries, £140 p.a., tenable at the Univ. for 1 yr., renewable for 1 yr.

* † ‡ (ix) *Boltonia Fellowship.* £450-£600 p.a. for research in a subject of interest to the Light Leather Industry. Open to graduates of Univs. in the British Commonwealth or U.S.A. Tenable for 3 yrs. in the Dept. of Leather Industries in the Univ.

* † ‡ (x) *Dean Scholarships, see under* Economics and Sociology [150].

* † ‡ (xi) *Coal Tar Research Association Scholarships.* £325 p.a., tenable for 2 yrs. and renewable. Open to candidates with a good Honours degree in Fuel Chemistry, Physics or a subject related to Chemical Technology; in exceptional circumstances the award may be made to a non-graduate. For research in a subject connected with the Coal Tar Industry. Applications to Registrar by June 1.

* † ‡ (xii) *Smith-K.L.G. Research Scholarship* for res. on ceramic materials, particularly refractory oxides, £350 p.a., tenable for two yrs. and renewable. Open to candidates with a good Hons. degree in Fuel, Chemical Engin., Chem., Phys. or a subject related to Ceramic Technol. Applications to Registrar by May 1.

* † ‡ (xiii) *Sandoz Research Scholarship.* £300 p.a., open only to male graduates for research in textile chemistry and in its application to the problems of the Dyeing Industry. Preference to grads. of Leeds Univ., but consideration given to any Hons. grad. exceptionally qualified for res. in the field indicated. Tenable for 1 yr. Applications by May 1.

* † ‡ (xiv) *Textile Chemistry Research Fellowship.* £200 p.a., for study of chemistry of animal fibres in the textile chemistry laboratory of the Univ. Tenable for 2 yrs. in the first instance. Applications before June 1.

Further particulars in each case from the Registrar.

[77] LONDON UNIV.: IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY, London, S.W.7. * † (i) *North Thames Gas Research Fellowship,* £400. * † (ii) *Radiation Ltd. Fellowship,* £400.

Both (i) and (ii) are for research in carbonization, gaseous fuels and combustion, tenable for 1 yr., renewable for a further yr. in the Dept. of Chemical Engineering at Imperial Coll. Candidates should have qualified in Chemistry as principal, and Mathematics or Physics as subsidiary, subjects, or in Chemical Engineering, at a British Univ., and must be willing to train for a responsible post in the gas industry. Candidates with equivalent qualifications considered.

* † ‡ (iii) *Royal Dutch Shell Studentship* in Geophysics. £430 p.a. for 2 yrs. for training in geophysical prospecting as applied to the search for oil. Candidates should have either an Hons. degree in Geology with Maths. and Physics at the Inter. or an Hons. degree in Physics, and must be fit for work abroad.

Further particulars from the Registrar.

* † ‡ MANCHESTER UNIV. *Maclaren Cotton Industry Research Scholarship, see under* Economics and Sociology [154].

[78] * † ‡ MANCHESTER UNIV.: MUNICIPAL COLL. OF TECHNOLOGY. A limited number of *Research Scholarships* in Technology of a value not

exceeding £160 plus approved fees. Open to graduates of any Univ. in the Commonwealth and to others possessing special qualifications. Candidates must be British subjects. Last date for applications, July 1. Further particulars from the Registrar.

* † ‡ NOTTINGHAM UNIV. *Postgraduate Studentships* and *Research Fellowships, see under* General [42].

[79] ROYAL COMMISSION FOR THE EXHIBITION OF 1851. *Industrial Bursaries.* These were suspended indefinitely in 1939 and there is little likelihood of their being offered again in the immediate future.

[80] SALTER'S INSTITUTE OF INDUSTRIAL CHEMISTRY. * † ‡ (i) *Salters' Scholarship,* value £350-£500 p.a. (plus Univ. fees) according to circumstances, for a graduate with an Honours degree in Chemistry, Biochemistry, Physics or Engineering for the purpose of receiving either full-time instruction in the principles of Chemical Engineering or further experience by research in Chemistry in order to be better qualified to enter the Chemical Industry. Tenable for 1 yr.

* † ‡ (ii) *Salters' Fellowship,* value £600 p.a. (plus Univ. fees and 10 per cent contribution to F.S S.U.) for a graduate with an Honours degree in Chemistry, Biochemistry, Physics or Engineering, in order that the appointed Fellow may obtain further training in Chemistry and Chemical Engineering research with a view to fitting himself for a career in industrial chemistry and contributing to the improvement of processes and products of Industry. Tenable for 1 yr.; renewable for 2nd yr.

Applications to the Clerk of the Salters' Company, Salters' Institute of Industrial Chemistry, 36 Portland Place, London, W.1.

[81] SHEFFIELD UNIV. * † ‡ (i) *Coke Research Fellowship,* £350 for 1 yr. with possibility of renewal, tenable in the Department of Fuel Technology in the Univ. for the prosecution of research on a subject connected with the coking industry. Open to graduates of any recognized Univ.

* (ii) *G. C. Carlisle Research Scholarship* in Metallurgy, *see under* Science (Special), *Metallurgy* [318].

Further particulars in each case from the Registrar.

[82] † SHELL COMPANY OF AUSTRALIA, LTD. *Postgraduate Scholarships.* 2 awarded annually to graduates of Australian Univs. Value, £750 stg. p.a. Tenable at Oxford, Cambridge, or London, or at such other Univ. in the U.K. as may be indicated by the specialized nature of studies which the scholar intends to follow, with the object of obtaining the Ph.D. or a higher degree. Tenable for 2 yrs. normally but may be varied, in exceptional personal or academic circumstances, to cover 1 to 3 yrs.' study. Applicants must be men under 25 yrs. and British subjects who have read as a major subject Chemistry, Physics, Geology or Geophysics, or taken their degrees in Engineering or Chemical Engineering at an Australian Univ. The holder may be offered, without obligation to accept, a position with the Shell Petroleum Company in England or overseas. Applications to be lodged with own Registrar.

[83] † SHELL COMPANY OF SOUTH AFRICA, LTD., and SHELL COMPANY OF NEW ZEALAND, LTD. Two *Postgraduate Scholarships* are awarded by each Company every year under similar conditions as described above for the Shell Co. of Australia, Ltd.

[84] TEXTILE MACHINERY MAKERS, LTD., Hartford Works, Oldham, Lancashire. The Sir Walter Preston Scholarship and Fellowship Trust:

* † ‡ (i) *Postgraduate Scholarships.* Value £300-£350 p.a. for 1 to 3 yrs. Candidates must have obtained Honours degree in Science.

* † ‡ (ii) *Research Fellowships.* Value £400-£550 p.a. for 1 to 4 yrs. Candidates must have obtained M.Sc. (Tech.) or be a graduate of a Univ. with an appropriate Hons. degree and have some experience in research.

Application to Chief Education Officer at above address.

[85] * † ‡ WORSHIPFUL COMPANY OF WEAVERS, 7 Queen Anne's Gate, Westminster, S.W.1. *Senior Research Studentships* in Textile Technology and Design, value £100 p.a., subject to the institution at which the studentship is tenable making a similar grant. Tenable for up to 3 yrs. Applications to the Clerk to the Company.

4. ARTS (General)

[86] * † ‡ BRITISH FEDERATION OF UNIVERSITY WOMEN, LTD., 17A King's Road, London, S.W.3. *City of London (International) Scholarship*, open to a woman graduate of any recognized Univ. for a yr.'s research in Arts or Science, while in residence at Crosby Hall, Chelsea, London (the International Clubhouse of the B.F.U.W.). Value £400.

Further details from the Secretary.

[87] * † ‡ CAMBRIDGE UNIV.: CORPUS CHRISTI COLL. *Donaldson Studentship.* Annual value not more than £100, tenable for 3 yrs., open to graduates of any Univ. Successful candidate must read for Cambridge Ph.D. in an Arts subject. Further information from the Tutor.

[88] * † ‡ CAMBRIDGE UNIV.: DOWNING COLL. *Graham Robertson Research Fellowship.* Normally offered once in 3 yrs., to encourage advanced study and research in the Arts and Humanities, including all or any of the following: Painting, Sculpture, Architecture, Literature, Music, Drama, the Fine Arts (including Hist. of Fine Arts), Æsthetics and allied branches of Philosophy, Archæology. Value about £350 p.a., together with the usual privileges of a College Fellowship. Tenure, 3 yrs. in first instance. Next offer 1956. Further particulars from the Master.

[89] * † ‡ CAMBRIDGE UNIV.: GIRTON COLL. *Fellowships* from the *Eugénie Strong, Jex-Blake, Pfeiffer and Carlisle* Foundations. Value £300 p.a. with free residence, for 3 yrs. Normally tenable at Girton. Open to women graduates of any Univ. Tenure from Oct. 1. One Fellowship offered 1955. Applications by Jan. 15. Further particulars from the College Secretary.

† CANADIAN FEDERATION OF UNIVERSITY WOMEN. *Travelling Fellowship, see under* General [15].

[90] * † ‡ DURHAM UNIV. : THE DURHAM COLLS. *Research Fellowship* in Arts, £600 for 2 yrs., renewable for a further yr., tenable in the Faculty of Arts. Open to graduates of any Univ. with research experience.

Further particulars from the Secretary, 38 North Bailey, Durham.

* † ‡ EDINBURGH UNIV. *Richard Brown Scholarship, see under* General [21].

[91] * † ‡ GLASGOW UNIV. *Scholarships* for Advanced Study in Arts £300 p.a. tenable for 2 yrs. Open to graduates of a recognized Univ. of Class I or II Hons. standing who propose to undertake advanced study in Arts in the Univ. of Glasgow. Further particulars from Registrar.

* † ‡ HARVARD UNIV. *Frank Knox Memorial Foundation, see* Appendix III [366].

[92] * † ‡ HULL UNIV. *Research Studentships* in Arts, £300 p.a. for 1 yr. in first instance, renewable for a 2nd yr Open to graduates of any Univ. who hold a good Hons. degree. Further particulars from the Registrar.

[93] HUMANITIES RESEARCH COUNCIL OF CANADA. † (i) *Fellowships.* Value, $500-$2000. Open to graduates in the Humanities from any Canadian Univ. or Canadian graduates from any Univ. Preference to those who have already completed 2 yrs.' postgraduate work. Tenable at any approved institution.

† (ii) *Grants* for Faculty Study and Travel. Value, normally equal to not more than half the grantee's annual salary. Open to members of the Humanities teaching staff of any Canadian Univ. Preference to those whose Univs. provide a yr.'s leave with part salary. Tenable at any place or places where study or research will increase the grantee's competence for teaching.

Further particulars from the Secretary, Humanities Research Council of Canada, 661 Island Park Drive, Ottawa, Canada.

* † LEICESTER UNIV. COLL. *Research Scholarships, see under* General [30].

[94] * † ‡ LIVERPOOL UNIV. *Leverhulme Postgraduate Fellowships* in Fac. of Arts (including one in Architecture or Civic Design). Value, £500 in 1st yr. and, if renewed, £550 in 2nd yr. Applications not later than May 1. Further particulars from the Registrar.

[95] LONDON UNIV. : WARBURG INSTITUTE, South Kensington, S.W.7. * † ‡ (i) *Senior Research Fellowship.* £600 p.a. for 3 yrs. Research in the History of the Classical Tradition in Art, Literature, Religion, etc., and allied fields. Candidates must have higher degree (M.A. or Ph.D.), should have had teaching and research experience, should speak English, German, French or Italian, and know Latin. Applications to the Director, at above address, not later than April 15.

* † ‡ (ii) *Junior Research Fellowship,* £275 p.a. for 2 yrs. Candidates must have degree in Humanities. Award primarily intended for candidates for a higher degree in Univ. of London (M.A. or Ph.D.),

other particulars as above. Applications to the Director not later than April 15.

[96] * † ‡ MANCHESTER UNIV. *Research Studentship in Arts*, normally £300 for 1 yr., renewable for 1, and in exceptional cases, 2 yrs. £250 only, for first yr., to graduates of another approved Univ. without 1 yr.'s research experience. Open to graduates of Manchester or other approved Univs. who have completed 1 yr. of postgraduate study. Applications to be made not later than July 1.

† MELBOURNE UNIV. *Sir Arthur Sims Travelling Scholarship, see under* General [39].

* † ‡ NORTH STAFFORDSHIRE UNIV. COLL. *Research Studentships, see under* General [41].

[97] NOTTINGHAM UNIV. * † ‡ (i) *Postgraduate Studentships* and *Research Fellowships, see under* General [42].

* † ‡ (ii) *Arts Research Scholarship*, £50 p.a. for 1 or 2 yrs. Approved for award of State Scholp. (*see* [40]). Open to graduates of any approved Univ. Holder must read for a higher degree in one of the depts. of Fac. of Arts. Applicns. to Registrar, not later than July 1.

† NUFFIELD FOUNDATION. *Dominion Travelling Fellowships, see under* General [43].

† ROYAL SOCIETY OF CANADA. *Pre-doctoral Fellowships* in the Humanities, *see under* General [54].

[98] * † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES have announced particulars of *Postgraduate Studentships* in Oriental, Slavonic, East European and African studies, to be awarded to men and women intending to follow a career of teaching and research in these studies in the U.K.

With exceptions where specially recommended, candidates must hold a first-class honours degree of a Univ. within the British Commonwealth. Candidates must normally have firm prospects of academic employment after their training period. Awards will not ordinarily be made to candidates under 21 or over 27 yrs. of age. The period of the studentships is from 3 to 6 yrs , of which at least a third should be spent in the country to which the studies relate. There is normally a probationary period of about a yr. in which the student receives maintenance allowance. The maximum annual rate of this allowance for unmarried students is £300 for Oxford, Cambridge, and London Univs. and £260 elsewhere. The rates are increased for married students. On the successful completion of the probationary period the student is granted senior studentship allowance at annual rates varying from £440 to £500. Allowances are also given to meet the additional cost of residence in foreign countries, and free passages are provided. Necessary Univ. and College fees are met throughout the period of the studentship.

Further particulars from the Secretary, Treasury Committee for Studentships, The Treasury, Whitehall, London, S.W.1.

5. ARTS (Special Subjects)

Anthropology

[99] * † ‡ EDINBURGH UNIV. *Tweedie Exploration Fellowship* in Anthropology and Archæology, value about £250 p.a. for 2 yrs. Open to graduates of any Univ. Awarded for Archæological, Ethnological, Sociological, or Linguistic exploration and research in the less-known regions of Asia and Northern Africa. Candidates must submit a detailed project of investigation and satisfactory evidence of their experience of such work and their capacity to undertake the particular research proposed. Applications by Jan. 31 to the Secretary of the Univ.

[100] * † ‡ EMSLIE HORNIMAN ANTHROPOLOGICAL SCHOLARSHIP FUND. *Horniman Anthropological Studentships.* One or more awarded annually. Open to Univ. graduates and others able to show that they are likely to profit by the study of anthropol. Normally tenable for maximum of 2 yrs. at any recognized Univ. and may include a period of field work. Value according to circumstances of each case. Preference given to those who intend to continue their studies or researches outside Europe. Last date for receipt of applicns., April 1. Further particulars from the Secretary of the Fund, Royal Anthropological Institute, 21 Bedford Square, London, W.C.1.

[101] * † ‡ LONDON UNIV.: UNIV. COLL., Gower Street, London, W.C.1. *Benington Memorial Studentship* in Anthropometry and Craniology. £110 p.a., tenable for 1 yr. at Univ. Coll. Awarded every 4th yr. Open to graduates of any Univ. Applications to the Registrar of the Coll. on or before May 15.

[102] * † OXFORD UNIV.: EXETER COLL. *Alan Coltart Scholarship* in Anthropology, £100 p.a. for a maximum period of 2 yrs. Open to graduates of Univs. within the British Commonwealth.

Further particulars from the Rector.

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) [98].

Architecture, Art and Archæology

* † ‡ CAMBRIDGE UNIV.: DOWNING COLL. *Graham Robertson Research Fellowship, see under* Arts (General) [88].

* † ‡ EDINBURGH UNIV. *Tweedie Exploration Fellowship* in Archæology, *see under* Anthropology [99].

[103] * † ‡ LEEDS UNIV. *Harold Tetley Postgraduate Studentship* in the History of Art in Yorkshire, value £200 p.a., tenable for 2 yrs. Further particulars from the Registrar.

[104] * † ‡ LONDON MUSEUM, Kensington Palace, London, W.8. *Leverhulme Research Studentship* for Archæology or History connected with London, offered biennially, value £300 p.a. Open to all graduates without restriction. Further particulars from the Secretary.

* † ‡ LONDON UNIV.: KING'S COLL. *Ronald Burrows Memorial Prize, see under* Classics [108].

* † ‡ LONDON UNIV.: WARBURG INSTITUTE. *Research Fellowships* in History of Art, etc., *see under* Arts (General) [95].

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) [98].

Classics

[105] CAMBRIDGE UNIV. † (i) *Jebb Scholarship* in Classics, £100 p.a. for 2 yrs. Offered annually to British subjects who are graduates of a Univ. in the Commonwealth (excluding Gt. Britain and N. Ireland), and who have completed a course which includes Classics (or Latin or Greek together with English or some other European language and literature). Further particulars from the Registrary.

* (ii) *Sir Percival Maitland Laurence's Bequest.* Grants may be made for the furtherance of classical studies. Further particulars from Secretary, Faculty Board of Classics, Gonville and Caius College, Cambridge.

* † ‡ CAMBRIDGE UNIV.: DOWNING COLL. *Graham Robertson Research Fellowship, see under* Arts (General) [88].

[106] * † ‡ CAMBRIDGE UNIV.: GIRTON COLL. *M. M. Dunlop Scholarship* for research in any subject, preferably in Classics, value £15-£60, tenable for 1 yr. at Girton. Usually open to women graduates of any Univ. Offered annually. Closing date usually May 20. Further particulars from College Secretary.

[107] * GLASGOW UNIV. *Ferguson Scholarships* (6). Open to candidates who have passed examns. required for M.A. degree of a Scottish Univ. Subjects are Classics, Maths. or Philosophy. Value £150 for 2 yrs. Further particulars from Secretary, Ferguson Bequest Fund, 19 St. Vincent Place, Glasgow, C.1, with whom applications should be lodged before Sept. 1.

[108] * † ‡ LONDON UNIV.: KING'S COLL., Strand, London, W.C.2. *Ronald Burrows Memorial Prize*, value about £30, offered annually to a graduate of a British Univ. or of the Univ. of Athens. Applications to reach the Principal by June 30. The holder to pursue an approved course of advanced study in Ancient, Mediæval or Modern Greek Language, Literature, or History or in Greek Archæology.

[109] * † ‡ LONDON UNIV.: UNIV. COLL. *Hollier Scholarship in Greek.* Value £55 a yr. tenable for 2 yrs or for such shorter period as may be approved. Scholar must pursue a course of study and research for a higher degree at Univ. Coll. or, in exceptional circumstances, elsewhere. Applicns. to Coll. Registrar on or before May 15. Eligible for supplementation by Ministry of Education in certain circumstances.

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) [98].

English

* † ‡ CAMBRIDGE UNIV.: DOWNING COLL. *Graham Robertson Research Fellowship, see under* Arts (General) [88].

† IMPERIAL ORDER DAUGHTERS OF THE EMPIRE *Postgraduate Scholarships (Overseas), see under* General [26].

[110] * † ‡ LIVERPOOL UNIV. *William Noble Fellowship* in English Literature. Value, £350 p.a.; renewable for 2nd yr. Further particulars from Registrar.

[111] * † ‡ LONDON UNIV. *Stopford Brooke English Literature Scholarship*, offered biennially to a graduate of any Univ. for research in English Literature; value approx. £140 for 1 yr. and eligible in certain circumstances for supplementation by the Ministry of Education. Last date of application, June 1 in yr. of award. Applications to Academic Registrar, Univ. of London, Senate House, London, W.C.1.

Geography

* † ‡ DURHAM UNIV.: THE DURHAM COLLS. *Research Fellowship* in Pure Science, *see under* Science (General) [264].

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) [98].

History

* † ‡ BIRMINGHAM UNIV. *Scholarships* in Economic History, *see under* Economics and Sociology [144].

[112] * † CAMBRIDGE UNIV. *Holland Rose Studentship* in History, £150 p.a. for 1 yr. with possibility of re-election for a 2nd yr., tenable at Cambridge. Open to male graduates of Univs. within the British Commonwealth. Applications to the Registrary by June 10.

[113] * CAMBRIDGE UNIV.: GIRTON COLL. *Graduate Scholarship* for Historical Research, value £15-£60, tenable for 1 yr. at Girton. Usually open to women graduates of United Kingdom Universities. Offered from time to time. Closing date usually May 20. Further particulars from College Secretary.

* CARNEGIE TRUST FOR THE UNIVS. OF SCOTLAND. *Fellowships* and *Scholarships, see under* General [16].

† IMPERIAL ORDER DAUGHTERS OF THE EMPIRE. *Postgraduate Scholarships (Overseas), see under* General [26].

* † ‡ LONDON MUSEUM. *Leverhulme Research Studentship, see under* Architecture, Art and Archæology [104].

[114] LONDON UNIV.: INSTITUTE OF HISTORICAL RESEARCH, Senate House, London, W.C.1. * † ‡ (i) *Research Fellowships* in History, £300 or such smaller sum as will ensure that a holder's total income from scholarships is not less than £300 p.a., for 1 yr., renewable, tenable at the Institute. Open to graduates of any University. Candidates placed on the short list are required to attend for interview.

Applications, on the prescribed form, should reach the Secretary before May 1 in each year.

* † ‡ (ii) *Lindley Studentship*, value £100 plus, in certain circumstances, a Ministry of Education State Scholarship; awarded every 3rd yr. if there is a candidate of sufficient merit; for research in History

to be undertaken at the Institute of Hist. Research. Open to both sexes: preference to a graduate of the Univ. or to candidate prepared to work for a higher degree of the Univ. Applications for next award as for (i) before Oct. 30, 1956.

* † ‡ LONDON UNIV.: KING'S COLL. *Ronald Burrows Memorial Prize, see under* Classics [108].

* † ‡ LONDON UNIV.: LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE. *Eileen Power Studentship* in Social or Economic History, *see under* Economics and Sociology [153].

[115] LONDON UNIV.: UNIV. COLL. * † (i) *Sir William Meyer Studentship* for the study of European Hist and the Hist. and Geog. of India in alternate yrs, £120 each, normally tenable for 1 yr. Open to graduates of Univs. of the Commonwealth studying for approved higher degrees of the Univ. of London. Applications to the Registrar of the Coll. on or before May 15. Eligible in certain circumstances for supplementation by Ministry of Education.

* † ‡ (ii) *Goldsmiths' Company Postgraduate Studentship* in London History. £300 for 1 yr., renewable for 2nd yr.; may be awarded when there is a vacancy. The Student must pursue a course of study and research at Univ. Coll. Open to graduates of British nationality who are resident in the U K. Applicns. to Coll. Registrar on or before May 15.

* † ‡ LONDON UNIV.: WARBURG INSTITUTE. *Research Fellowships, see under* Arts (General) [95].

[116] MANCHESTER UNIV. * † ‡ (i) *Edmund Roscoe Postgraduate Scholarship*, £50 for 1 yr., renewable for a 2nd yr., normally tenable at the above. Open to persons of British nationality who have studied Hist. in any Univ. or Univ. Coll. Offered alternately with the Pickles postgraduate studentship. Next offer 1956 Last date for applns., June 15.

* † ‡ (ii) *Pickles Postgraduate Studentship*, £50 for 1 yr., offered biennially, conditions same as for foregoing, except that there is no limitation to British subjects. Next offer 1955. Last date for applns., June 15.

Further particulars from the Registrar.

* † ‡ OXFORD UNIV.: ST. ANTONY'S COLL. *Postgraduate Scholarships, see under* General [47].

* OXFORD UNIV.: WADHAM COLL. *Barnett Senior Scholarship* in Economics or Economic History, *see under* Economics and Sociology [157].

* † ‡ SHEFFIELD UNIV. *Knoop Research Fellowships* and *Studentships* in Economic History, *see under* Economics and Sociology [158].

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) [98].

[117] * † ‡ WALES, UNIV. OF: BANGOR UNIV. COLL. *Lloyd George Research Scholarship* for research in the history of Wales. Annual value about £70, renewable for 2nd yr. Preference to graduates of Univ. of Wales. Applications to Registrar not later than May 15 each yr.

International Relations

[117A] * † ‡ DAVID DAVIES MEMORIAL INSTITUTE OF INTERNATIONAL STUDIES. *Fellowship, see* p. 1741.

[118] * † ‡ MANCHESTER UNIV. *Charles Harold Herford Exhibition*, £100 for 1 yr., payable quarterly. For study of International Relations, including Comparative Literature. Open to grads. of any Univ. The holder may be required to spend a part or the whole of the period of study abroad at an instn. or under conditions approved by the Senate. The Exhibition will normally be offered every 5 yrs. Last date for applns., April 15 in the year of award. Next offer 1955.

Further particulars from the Registrar.

* † ‡ OXFORD UNIV.: ST. ANTONY'S COLL. *Postgraduate Scholarships, see under* General [47].

Law

[119] CAMBRIDGE UNIV. * † ‡ (i) *F. W. Maitland Memorial Fund.* (Annual income about £100.) Grants may be made to any person engaged in any research in the History of Law or of Legal Language or Institutions, or for delivery of lectures, publication of works, etc., connected with these subjects. Further particulars from the Secretary, Faculty Board of Law, Squire Law Library, Cambridge.

* † ‡ (ii) *Whewell Scholarships* in International Law, one at least annually, not exceeding £50, for 2, with possible extension to 3, yrs., tenable at Cambridge. Open to men and women graduates of any Univ. who are under 25.

Applications to the Secretary of the Council, Trinity College, by March 1.

* † ‡ (iii) *Humanitarian Trust Studentship* in Public International Law. Last award, 1955. Candidates must be under 32 yrs. of age on Jan. 1, 1955, and must produce evidence that they have obtained or are likely to obtain, before the end of the academical year of their candidature, a degree or diploma at a Univ. or Coll. in the British Commonwealth and Empire, the U.S.A., the Continent of Europe, the U.S.S.R., at the Hebrew Univ. of Jerusalem, or at any other Univ. or Coll. approved by the Electors. They must also produce evidence of their fitness to engage in advanced study. The student shall pursue a course of study under the supervision of the Whewell Prof. Value £400 p.a. Travelling expenses from overseas may be paid. Further particulars of this Studentship from the Secretary, Faculty Board of Law, Squire Law Library, Cambridge.

* CARNEGIE TRUST FOR THE UNIVERSITIES OF SCOTLAND. *Fellowship* in Scots Law, £300: *Scholarship*, £200, *see under* General [16].

* † ‡ EDINBURGH UNIV. *Richard Brown Scholarship, see under* General [21].

[120] * INNER TEMPLE, London, E.C.4. Two *Entrance Scholarships*, £210 p.a., are open to students and intending students of the Inn who are graduates or undergraduates of any Univ. in England or Wales who

undertake to practise at the English Bar, but in present circumstances any candidate who can satisfy the Scholarship Committee that his non-attendance at a Univ. has been due to the war will be considered eligible. In awarding the scholarships, which are tenable for 3 yrs., regard will be had to the age, the means, and the Univ. career of the candidate and to testimonials (not exceeding two) from his tutor or other Univ. or Coll. authorities. Applications must be made before Nov. 1 on the prescribed form.

Further particulars from the Sub-Treasurer.

[121] LINCOLN'S INN, London, W.C.2. * (i) *Cassel Scholarships* (each to the value of £600, *i.e.* £200 p.a. for 3 yrs.), " for the encouragement of the study of the Law and the advancement of legal education." One to be awarded annually.

* (ii) *Cholmeley Scholarships*, each value £400. Four normally awarded annually to members of either Oxford or Cambridge Univ.

Candidates for both (i) and (ii) must be British subjects who intend to follow actual practice at the Bar in England or the teaching of Law in a Univ. in the U.K. The selected candidate, if not already a member of Lincoln's Inn, must become and remain one.

Further particulars from the Under-Treasurer.

[122] * † ‡ MANCHESTER UNIV. *Research Studentship* and *Research Grants*, for research in Law. Offered annually. Studentship, £275 p.a.; grants of an amount to be decided. Studentship or grants tenable for 1 yr., renewable for 2nd yr. Last date for applications, July 1.

[123] MIDDLE TEMPLE, London, E.C.4. * (i) *Harmsworth Law Scholarships*. Value normally £200 p.a.; tenable for 3 yrs. (but may be of other sums or for other periods); awarded annually in Oct. Candidates must be graduates or undergraduates of a U.K. Univ. and be members of the Middle Temple intending to practise at the English Bar. There is no examination, but regard will be had to the standard of scholarship attained by the candidate at the Univ. and in Bar Examinations. Application should be made through the Vice-Chancellor of the candidate's Univ. (via Heads of Colleges, etc.) before June 30 in each yr. on forms which can be obtained from the Under-Treasurer, Middle Temple, London, E.C.4.

* † ‡ (ii) *Blackstone Entrance Scholarships*. Three may be awarded annually in March or April. Carry remission of admission fees, deposits, and call fees. Candidates must be British subjects, intend to practise at the Bar in England or Wales and be under 25. Applns. to Under-Treasurer before Feb. 1 on forms obtainable from Treasury Office, Middle Temple, London, E.C.4.

[124] † VISCOUNT BENNETT TRUST FUND. *Bennett Scholarship*. Value $2000 for 1 yr. Available to Canadian nationals who are graduates of a Canadian law school. Purpose: to enable recipient to undertake postgraduate studies outside Canada. Further particulars from Secretary-Treasurer, Canadian Bar Association, 88 Metcalfe Street, Ottawa, Ont. Last date for receipt of applications, Dec. 31.

Librarianship

† CANADIAN FEDERATION OF UNIVERSITY WOMEN. *Professional Fellowship, see under* General [15].

[125] * † ‡ LONDON UNIV.: UNIV. COLL. *Librarianship and Archives Exhibitions* (2) of £40 each for 1 yr.; may be awarded annually to enable a graduate to take a full-time course leading to the Academic Postgraduate Diploma in Librarianship or in Archive Administration. Applications to Coll. Registrar on or before May 15. Eligible for supplementation by Ministry of Education in certain circumstances, if held by a graduate of a British Univ.

Mathematics

* † ABERDEEN UNIV. *Robbie Scholarship* in Mathematics, *see under* Science (General) [254].

* † ‡ CAMBRIDGE UNIV.: CLARE COLL. *Denman Baynes Studentship, see under* Science, General [258].

[126] * † ‡ CAMBRIDGE UNIV.: GIRTON COLLEGE. *M. T. Meyer Studentship* for research in Maths., or for a course of advanced study leading up to such research, value £15-£60, tenable for 1 yr. at Girton. Usually open to graduates of any Univ. Offered annually. Closing date usually May 20. Further particulars from College Secretary.

* † ‡ DURHAM UNIV.: THE DURHAM COLLS. *Research Fellowship* in Pure Science, *see under* Science (General) [264].

* GLASGOW UNIV. *Ferguson Scholarships, see under* Arts (Special Subjects)—Classics [107].

[127] MANCHESTER UNIV. * † ‡ (i) *Bishop Harvey Goodwin Mathematical Scholarship*, £70 (in special cases of greater value) for 1 yr., normally tenable at the above. Open to Hons. grads. in Maths. of Manchester or to other suitably qualified candidates intending to pursue Mathematical Research. Last date for applns., June 20 Next offer, 1955. Further particulars from Registrar.

* † ‡ (ii) *National Research Development Corporation Scholarships, see under* Electrical Engineering [179].

* † ‡ TEXTILE MACHINERY MAKERS, LTD. *Sir Walter Preston Scholarships* and *Research Fellowships, see under* Applied Science and Technology [84].

Modern Languages

* † ‡ BIRMINGHAM UNIV. *Scholarships* in Russian Studies, *see under* Economics and Sociology [144].

[128] * † ‡ CAMBRIDGE UNIV.: GIRTON COLL. *Maria Degani Scholarship* for research in Italian, value £15-£60, tenable for 1 yr. at Girton. Usually open to women graduates of any Univ. Offered annually. Closing date usually May 20. Further particulars from College Secretary.

* CARNEGIE TRUST FOR THE UNIVERSITIES OF SCOTLAND. *Fellowships* and *Scholarships, see under* General [16].

[129] * GLASGOW UNIV. *McCaig Scholarship.* Open to Masters of Arts of any of the Scottish Univs. who have included Gaelic among the subjects of their course. Value, £200 for 1 yr. May be extended for not more than 2 periods of 1 yr. each. Holder must prosecute the study of the Gaelic language, or of one of the other Celtic languages, or of Gaelic music. Applications to Clerk to the Governors, 55 West Regent Street, Glasgow, C.2.

† IMPERIAL ORDER DAUGHTERS OF THE EMPIRE. *Postgraduate Scholarships (Overseas), see under* General [26].

* † ‡ LONDON UNIV.: KING'S COLL. *Ronald Burrows Memorial Prize, see under* Classics [108].

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) [98]

Music

* † ‡ CAMBRIDGE UNIV.: DOWNING COLL. *Graham Robertson Research Fellowship, see under* Arts (General) [88].

* † ‡ EDINBURGH UNIV. *Richard Brown Scholarship, see under* General [21].

* GLASGOW UNIV. *McCaig Scholarship, see under* Arts (Special Subjects)—Modern Languages [129].

* SIR JAMES CAIRD'S TRAVELLING SCHOLARSHIPS TRUST. *Travelling Scholarship* in Music, *see* Appendix III [374].

Oriental and African Studies

[130] * GLASGOW UNIV. *Maclean Scholarship* in Semitic Languages. Open to matriculated students of any Scottish Univ. who are graduates in Arts and have completed the prescribed course in Theology for the Ministry of the Church of Scotland. Value, £400 for 1 yr. The Scholar is required to spend 6 months in a country where Arabic is spoken and during the remaining 6 months to follow a prescribed course of study. Applications to the Registrar before May 1. Next award 1955.

[131] * † ‡ LONDON UNIV. *Ouseley Memorial Scholarships*, 1 in Arabic, 1 in Persian, 1 in Urdu (or, in certain circumstances, in Chinese, Sanskrit, Hindi or Bengali). £50 each for 1 yr. in the first instance, tenable at a College or School of the Univ. or, provided the candidate has already so studied for an academic year, in an Oriental country. Open to candidates of European origin. Full particulars from, and applications (on a prescribed form before March 15) to, the Academic Registrar, Univ. of London, W.C.1.

[132] LONDON UNIV.: SCHOOL OF ORIENTAL AND AFRICAN STUDIES. * † ‡ (i) *Forlong Scholarships*, maximum value £150, and/or *Exhibitions*, maximum value £50 p.a.; sometimes but not normally renewable; tenable at the School in any branch of Oriental Studies. Candidates must be persons of other than Asiatic origin. The number and amount of the awards are dependent on the funds available.

* † (ii) *Governing Body Postgraduate Exhibitions*, value £40, tenable

for one session with possibility of renewal. Maximum of 4 Exhibitioners at any one time. Candidates must be of European origin.

* † ‡ (iii) *Millicent Harrington Scholarship*, value £40 p.a.; tenable for 2 academic yrs. with possibility of extension for further yr. Holder must register as a student of the School and read for higher degree of the Univ. of London in Tibetan or other languages relevant to Buddhistic studies.

Further particulars from Secretary of School, University of London, London, W.C.1.

[133] * † ‡ LONDON UNIV.: UNIV. COLL. *Hollier Scholarships* (2) in Hebrew, of £55 a yr. for 1 yr. Scholar must pursue a course of study and research for a higher degree at Univ. Coll. or, in exceptional circumstances, elsewhere. Applicns. to Coll. Registrar on or before May 15. Eligible in certain circumstances for supplementation by Ministry of Education.

[134] * † OXFORD UNIV. *Kennicott Hebrew Fellowship*, £250-£300 p.a., tenable at the Univ. for 3 yrs. Open to graduates of Univs. within the British Commonwealth whose degrees are approved for senior status.

Further particulars from the Registrar.

[135] * † OXFORD UNIV.: UNIV. COLL. *Edwin Arnold Memorial Scholarship* in Oriental Languages and Literature. Open to graduates of Univs. within the British Commonwealth.

Information as to stipend and duties may be obtained from the Master, Univ. Coll., Oxford.

[136] * † ‡ OXFORD UNIV.: WORCESTER COLL. *Laycock Studentship* in Egyptology, value £200 p.a. For the purpose of encouraging the study of Egyptology or other cognate oriental linguistic subjects. Next vacancy, 1957.

[137] * † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES have announced particulars of *Postgraduate Studentships* in Oriental, Slavonic, East European, and African Studies, to be awarded to men and women intending to follow a career of teaching and research in these studies in the U.K.

With exceptions where specially recommended, candidates must hold a first-class honours degree of a University within the British Commonwealth. Candidates must normally have firm prospects of academic employment after their training period. Awards will not ordinarily be made to candidates under 21 or over 27 years of age.

For additional information *see under* Arts (General) [98]. Further particulars from the Secretary, Treasury Committee for Studentships, The Treasury, Whitehall, London, S.W.1.

Philosophy and Psychology

* † ‡ CAMBRIDGE UNIV.: DOWNING COLL. *Graham Robertson Research Fellowship, see under* Arts (General) [88].

[138] CAMBRIDGE UNIV.: NEWNHAM COLL. * † ‡ (i) *Sarah Smithson Fellowship* in Psychology or Philosophy (incl. Class. Philos.), £250

p.a. for 3 yrs., tenable at Newnham Coll. Open to graduates of any Univ. Awarded on dissertation or other written work. Applications to the Principal before March 1. Awarded from time to time as funds permit.

* (ii) (*a*) *Sarah Smithson Studentship* for research in Philosophy, Psychology or Classical Philosophy, £200 for 1 yr., tenable at Newnham College. Open to past or present students of Girton and Newnham Colleges who have completed a degree course, and to graduates of other Univs. of Gt. Britain and Ireland. (*b*) *Sarah Smithson Scholarship*: awarded on same conditions as *Studentship* if no suitable candidate for that award. Value is the same as *Studentship*, but holder expected to work for a Tripos Examn. in one of the specified subjects.

* GLASGOW UNIV. *Ferguson Scholarships, see under* Arts (Special Subjects)—Classics [107].

† IMPERIAL ORDER DAUGHTERS OF THE EMPIRE. *Postgraduate Scholarships* (*Overseas*), *see under* General [26].

[139] * † ‡ LONDON UNIV.: BEDFORD COLL. FOR WOMEN. *Susan Stebbing Studentship* in Philosophy, £100, normally tenable at Bedford Coll. Awarded every 2 or 3 yrs. as funds permit. Open to graduates of any Univ. Last award 1954.

Further particulars from the Registrar.

† NATIONAL RESEARCH COUNCIL OF CANADA. *Scholarships, see under* Science (General) [273].

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) [98].

6. DENTISTRY

[140] * † ‡ DURHAM UNIV.: KING'S COLL., Newcastle upon Tyne. *Parker Brewis Dental Research Fellowship*. Amount of award at discretion of Council of College. Open to graduates and licentiates in Dental Surg. who undertake to carry out research in dental subjects in the Sutherland Dental Sch. Further particulars from, and applicns. to, Dean of Dental Sch.

[141] * † ‡ LONDON UNIV.: ROYAL DENTAL HOSP. OF LONDON. *Clinical and Research Assistantship* in Depts. of Periodontology and Pathology. Annual tenure up to maximum period of 3 yrs. Further particulars from School Secretary.

* MEDICAL RESEARCH COUNCIL. *Scholarships, see under* Medicine (General) [202].

† NATIONAL RESEARCH COUNCIL OF CANADA. *Scholarships, see under* Science (General) [273].

[142] * NUFFIELD FOUNDATION, Nuffield Lodge, Regent's Park, London, N.W.1. *Dental Fellowships* for training selected men and women with dental qualifications in pure and applied Science, and to enable selected graduates in Medicine and Science to qualify for teaching and

research on dental health and disease, tenable for 1-3 yrs.; award includes cost of travelling abroad. Open to graduates of U.K. Univs. who hold dental qualifications or Univ. degrees in Medicine or Science Applications by March 1.

Further particulars from the Director.

7. ECONOMICS AND SOCIOLOGY

[143] * † ‡ BELFAST, THE QUEEN'S UNIV. *Lockheed Employees' Studentship* in Social Studies, £50 for 1 yr. Open to graduates of Belfast or of another approved Univ. who propose to enter upon the course for the Diploma in Social Studies Applications to the Director of Social Studies by June 20.

[144] * † ‡ BIRMINGHAM UNIV. *Scholarships* offered annually by Fac. of Commerce and Social Science. Maximum value, £285 plus remission of tuition and examination fees. Tenable for 1 yr. but may be extended for further yr. Scholars expected to read for Ph.D., M.Com., or M.Soc.Sc. This last degree is by examination in subjects chosen from a very wide list. Research opportunities cover social sciences, commerce, industrial organization and relations, Russian studies and economic history. Graduates wishing to prepare for careers in business administration and management by reading for a diploma are eligible to apply for The Chartered Institute of Secretaries' *Edward Wilshaw Postgraduate Exhibition*, the amount of which will be determined by applicants' merits and circumstances. *Note*: Any graduate from an overseas Univ. who may be successful in an application for one of the above awards would be entitled to hold concurrently a grant not exceeding 1000 Canadian dollars, or its equivalent, awarded by private foundations in his own country.

Further particulars from Dean of Faculty.

[145] * † ‡ CAMBRIDGE UNIV. *Research Studentship* in Economics; value not less than £150 nor more than £400 p.a. Open to graduates, or persons about to become graduates, of any Univ. other than Cambridge. Awarded from time to time as funds permit. Applications to the Secretary, Board of Research Studies, by April 15.

[146] * † ‡ CAMBRIDGE UNIV.: ST. CATHARINE'S COLL. *Kenward Research Fellowship* for research in Industrial Administration, not less than £500 p.a. with accommodation in Coll. and appropriate allowances, normally tenable for 3 yrs. Open to graduates of Univs. within the British Commonwealth and the United States of America.

† CANADIAN FEDERATION OF UNIVERSITY WOMEN. *Travelling* and *Professional Fellowships*, *see under* General [15].

[147] † CANADIAN SOCIAL SCIENCE RESEARCH COUNCIL. *Research Fellowships*. Value, $750-$1500. Candidates must have completed 1 yr. of postgraduate work and preferably 2. Open to graduates in the Social Sciences from any Canadian Univ. Tenable at any approved institution. Further particulars from the Secretary, Social Science Research Council, 166 Marlborough Ave., Ottawa, Canada.

* CARNEGIE TRUST FOR THE UNIVERSITIES OF SCOTLAND. *Fellowships* and *Scholarships, see under* General [16].

[148] * † ‡ HOUBLON-NORMAN FUND. *Fellowship* or *Grants* are awarded to aid research into the working of industry and finance in Gt. Britain and elsewhere and the economic conditions affecting them. Candidates must be British-born subjects normally resident in the U.K. Not restricted to graduates. Tenable for 1 yr. but renewable for a 2nd yr. Value varies according to individual circumstances. Further particulars and application forms from the Secretary of the Fund, c/o The Bank of England, London, E.C.2.

* † ‡ HULL UNIV. *Research Studentships, see under* General [24].

† IMPERIAL OIL LTD. *Fellowships, see under* General [25].

† IMPERIAL ORDER DAUGHTERS OF THE EMPIRE. *Postgraduate Scholarships (Overseas), see under* General [26].

[149] * † ‡ INSTITUTE OF PERSONNEL MANAGEMENT. *Scholarships* from the Counterpart Conditional Aid Funds. Value, £300 for 1 yr., plus dependent's allowance of £100 for married candidate with 1 or more children Purpose: to assist men or women of ability already in industry or commerce to attend full-time courses of training in Personnel Management. Candidates, who must be of United Kingdom birth and at least 24 yrs of age, need not be graduates. They should normally have had experience in industry or commerce in Great Britain or Northern Ireland Applications to the Secretary, Institute of Personnel Management, Management House, 8 Hill St., London, W.1, by Jan. 31

[150] * † ‡ LEEDS UNIV. *Dean Scholarships.* For research in the history and economics of the Wool Textile Industry, £300 p.a. for 2 yrs. Open to graduates of any Univ., but preference given to graduates of Leeds Univ. Applications, to be submitted through the Hd. of the Dept. of Economics and Commerce, should reach the Registrar by June 23.

* † LEICESTER UNIV. COLL. *Research Scholarships, see under* General [30].

[151] LONDON UNIV. * † ‡ (i) *Leon Fellowship* for research, preferably in the fields of Economics or Education, value not less than £500 p.a., tenable in the first instance for 1 yr. at an approved place of research. It is not essential that candidates should be members of a Univ. Full particulars from, and applications (before Feb. 1) to the Principal, Univ. of London, The Senate House, London, W.C.1.

* (ii) *Metcalfe Studentship* for women, value £60 for 1 yr., tenable at London School of Economics. Open to any woman graduate of a United Kingdom Univ. for research on some social, economic or industrial problem approved by the Univ.; preference to a student proposing to study a problem bearing on the welfare of women. Further particulars from, and applications (before May 24) to, the Academic Registrar, Univ. of London, The Senate House, London, W.C.1.

[152] * † ‡ LONDON UNIV.: BEDFORD COLL. FOR WOMEN. *Lady Huggins Scholarship* in Sociology, value approx. £120, open to graduates

of any Univ., normally tenable at Bedford Coll. Awarded from time to time as funds permit. Last award 1952.

Further particulars from the Registrar.

[153] LONDON UNIV. : LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE, Houghton Street, Aldwych, London, W.C.2. The following awards are open to graduates of any Univ. : * † ‡ (i) Two *Research Studentships*, £250 p.a., for full-time study, and * † ‡ (ii) one *Leverhulme Research Studentship*, £50 p.a., plus tuition fees, and supplemented in the case of full-time students by a maintenance grant of not more than £200 p.a.

Both (i) and (ii) are tenable at the School for 1 yr., for the execution of original work in the field of the social sciences, but (i) may be extended for a 2nd yr. Applications should reach the Registrar by Sept. 6 of each year.

* † ‡ (iii) A limited number of *Bursaries* equivalent to full fees to assist postgraduate students to proceed with research work at the School. Candidates are required to show evidence of financial need. Applications should reach the Registrar by Sept. 6 of each year.

* † ‡ (iv) A *Studentship* for women, £75 p.a., tenable for 2 yrs., offered biennially for full-time study at the School for the execution of original work, preferably in Economic History.

* † ‡ (v) An *Eileen Power Studentship*, £300 p.a. for 1 yr., awarded biennially by the Eileen Power Studentship Trust for the study of some subject in Social or Economic History in a country other than the candidate's native land. Applications should be forwarded to the Chairman of the Trustees at the School.

* † ‡ (vi) *Rees Jeffreys Studentship* in Transport of the value of at least £250 for 1 yr., may be awarded annually. Applications should reach the Registrar by Sept. 6 of each year.

* † ‡ (vii) A *Research Studentship* for Overseas Students, not exceeding £250 p.a. for 1 yr., will be awarded annually to enable a student from overseas to continue research already begun at the School. The award is made during the Summer Term for the ensuing session.

Final selection for all awards is by competitive interview in the United Kingdom.

Further particulars of these awards from the Registrar.

[154] MANCHESTER UNIV. * † ‡ (i) *Simon Research Fellowships*. One or more offered annually for full-time advanced study or research in the Social Sciences. Available in two grades, Research Fellowships, £700-£1100 p.a., or Senior Research Fellowships, £1150-£1500 p.a. Applicants for Sr. Research Fellowships should be of 10 or more yrs.' standing from their first degree. The Fellowships may be held wholly or partly in Manchester or may be used for travelling to any part of the world. Applications by March 1.

* † ‡ (ii) *Research Studentships* in Economic and Social Studies. Offered annually for competition by candidates who hold at time of election the degree of Bachelor or Master of any approved Univ. and tenable for 1 yr. with possible extension for a further 2 yrs. Value normally £250 in 1st yr. and £300 in 2nd and 3rd yrs., but graduates

who have undertaken at least 1 yr.'s postgraduate research may be awarded a Studentship for 2 yrs. at £300 p.a. Holders are required to pursue full-time research in a subject within the purview of the Faculty of Economic and Social Studies, but may be asked to undertake a limited amount of teaching in the Univ.

* † ‡ (iii) *Drummond-Fraser Research Fellowship* in Econ. and Commerce. £100 for 1 yr. Open to graduates of any approved Univ. Offered annually. Applns. by June 1.

* † ‡ (iv) *Jevons Studentship*, £120 for 1 yr., for investigation of some economic problem connected with the industries of Lancashire. Open to graduates of any Univ. Offered in every 6th yr. Next offer 1955. Applns. by June 15.

* † ‡ (v) *Maclaren Cotton Industry Research Scholarship*, £100 for 1 yr. Open to graduates of not more than 3 yrs.' standing, for encouragement of research in a subject bearing upon the cotton industry. Preference to graduates of Manchester. Last date for applns., June 1 in the yr. of award. Next offer 1955.

* † ‡ (vi) *Research Fellowship* in Economic Statistics. Value within range, £900-£1200 per annum. Tenable for one yr., renewable for second and, in very exceptional circumstances, for third year.

Further particulars from the Registrar.

* † MINISTRY OF AGRICULTURE AND FISHERIES AND DEPT. OF AGRICULTURE FOR SCOTLAND. (i) *Postgraduate Scholarships* and (ii) *Conditional Aid (Agriculture) Postgraduate Scholarships*, in Agricultural Economics and Land Economics, *see under* Agriculture [64].

* † ‡ NORTH STAFFORDSHIRE UNIV. COLL. *Research Studentships*, *see under* General [41].

* † ‡ NOTTINGHAM UNIV. *Postgraduate Studentships* and *Research Fellowships*, *see under* General [42].

[155] NUFFIELD FOUNDATION, Nuffield Lodge, Regent's Park, London, N.W.1. † (i) *Dominion Travelling Fellowships*, *see under* General [43].

* (ii) *Sociological Scholarships and Bursaries*. To enable selected persons who have graduated in academic subjects other than the Social Sciences, Psychology or Economics, to study the Social Sciences. Open to either sex; usual age limits, 22-35. Tenable for 1 yr. Renewable up to max. of 3 yrs. Normal value of scholp., £500-£600 p.a. plus fees; of bursary, £350 p.a. plus fees. Applicns by May 1. Further particulars from Director at above address.

[156] * † ‡ OXFORD UNIV.: NUFFIELD COLL. *Postgraduate Studentships*. Open to men and women graduates for res. in Social Studies. Awarded in first instance for 1 yr., but may be extended for further yr. Financial assistance may be granted to Students without other resources. Students as a rule are required to work for one of the res. degrees, D.Phil., B.Litt. or B.Sc.; permission may be given to work for the degree of B.Phil. Residence in Oxford during term is normally required. Studentships are usually taken up in Oct.; applicns., to the Warden, in May.

[157] * OXFORD UNIV.: WADHAM COLL. *Barnett Senior Scholarship* in Economics or Economic History, value £200-£300 p.a. for 1 or 2 yrs. Open to graduates of United Kingdom Univs.
Further particulars from the Senior Tutor.

[158] * † ‡ SHEFFIELD UNIV. *Knoop Research Fellowships and Studentships* for research in the Univ. in Economics and Economic History. Value: *Fellowships* £425, *Studentships* £300 p.a., tenable for 3 yrs.; open to graduates of any Univ. Further particulars from the Registrar.

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) [98].

8. EDUCATION

† CANADIAN FEDERATION OF UNIVERSITY WOMEN *Professional Fellowship, see under* General [15].

* † ‡ LONDON UNIV. *Leon Fellowship* for research, *see under* Economics and Sociology [151].

[159] LONDON UNIV.: INSTITUTE OF EDUCATION. † (i) *Fellowships* tenable at Univ. of London, Inst. of Education. About £550 for 1 yr. For teachers and educationists, likely in due course to occupy influential positions in the educational services of their respective Dominions. For 1954–55 and probably later yrs., two each for Australia, Canada, India, New Zealand, Pakistan, South Africa, and one for Ceylon. Applications to Department of Education, Committee of Vice-Chancellors, or comparable body in the Dominion concerned.

* † (ii) *Susan Isaacs Research Fellowship*, tenable at the Univ. of London, Inst. of Education. £300 for 1 yr. Awarded triennially to experienced teachers for research in the education of young children. Further particulars from the Secretary of the Institute.

[160] MANCHESTER UNIV. * † ‡ (i) *Research Scholarships* in Education (2), £300 for 1 yr., renewable in exceptional cases for a further year. Open to persons suitable to undertake full-time research on a subject within the purview of the Faculty of Education. Offered annually. Applns. by March 1.

* † ‡ (ii) *University Bursaries*, not more than 6 annually. Open to students accepted for a full-time degree, diploma or certificate course in the Faculty of Education.
Further particulars from the Registrar.

[161] * MINISTRY OF EDUCATION, Teachers' Branch, 36-38 Berkeley Square, London, W.1. A number of special 1-yr. courses planned to provide advanced work in particular fields of education and intended to equip teachers of experience for more responsible posts are provided at certain Univs. and other training institutions. Admission is, in general, limited to qualified teachers of not less than 5 yrs.' teaching service, who are specially selected for their teaching ability and for their capacity to benefit from such a course. A special rate of grant, which is announced in an Administrative Memorandum issued annually by

the Ministry, is available for these courses. Teachers should apply to their Local Education Authority for further particulars.

* † ‡ NOTTINGHAM UNIV. *Postgraduate Studentships* and *Research Fellowships, see under* General [42].

9. ENGINEERING (General)

[162] * † ‡ BIRMINGHAM UNIV. *Bowen Scholarship* in Engineering, £245-£285 p.a., with remission of tuition and examination fees, tenable for 1 yr. at the Univ. of Birmingham ; in special cases where the scholar has shown considerable capacity for research work, the scholarship may be extended for a further yr. Candidates must have spent at least 3 yrs. in the Engineering Department of a Univ. or Univ. Coll. Open to graduates of any Univ. Preference is given to graduates in Engineering.

Further particulars from the Registrar.

* † BRITISH IRON AND STEEL RESEARCH ASSOCIATION. *Bursaries, see under* Applied Science and Technology [72].

[163] * CAMBRIDGE UNIV. *Rex Moir Fund.* Grants for 1, 2, or 3 yrs. to postgraduate students and research students of the Dept. of Engineering. Applicants must be graduates of U.K. Univs. or holders of other approved qualifications. Forms of application and further particulars from the Secretary, Degree Cttee. of the Faculty of Engineering, Engineering Laboratory.

* † CAMBRIDGE UNIV : ST. CATHARINE'S COLL. *Permutit Senior Studentship, see under* Science (Special Subjects)—Chemistry [299].

COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH, † (i) *Burmah-Shell Scholarships,* † (ii) *Assam Oil Co. Scholarships, see under* General [19]

* † ‡ COURTAULDS' SCIENTIFIC AND EDUCATIONAL TRUST FUND. *Postgraduate Research Scholarships* in certain branches of Science and Technology, *see under* Science (General) [261].

* † ‡ IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, *see under* Science (General) [268A].

† IMPERIAL OIL LTD. *Fellowships, see under* General [25].

[163A] * † ‡ LIVERPOOL UNIV. *Leverhulme Postgraduate Fellowship* in Fac. of Engineering. Similar conditions as for Fellowships in Arts, *see under* Arts (General) [94].

[164] * † ‡ LONDON UNIV. : IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. *Postgraduate Bursaries* in Engineering, value £300-£400 p.a. plus fees, according to circumstances, for courses of study (not research) in Civil Engineering (Hydraulics, Structures and Materials, Soil Mechanics), Mechanical Engineering (Thermodynamics), Electrical Engineering (Communications, Electronics, Machines and Power), Chemical Engineering. Candidates must have spent at least 1 yr. away from their Univs. since graduation. Further particulars from Registrar.

[165] MANCHESTER UNIV. * † ‡ (i) *Osborne Reynolds Research Fellowship* for research in Engin. or in sciences most directly related

thereto. £200 for 1 yr., renewable, normally tenable at the above. Open to graduates of any Univ. Applns. not later than May 1. Due notice will be given of next offer.

* † ‡ (ii) *Joseph Roberts Greatorex Scholarship* for research in Engin., £200 p.a., renewable for a 2nd yr. (value may be increased if funds allow), normally tenable at the above. Open to graduates of Manchester who have subsequently completed at least 1 yr.'s research in Engin. and to other suitably qualified candidates. Applns. not later than June 20 in the year of award. Next offer 1955.

* † ‡ (iii) *Matthew Kirtley* and *William Kirtley Senior Scholarships* and the *J. H. Beckwith Postgraduate Scholarship*, for research in Engineering. £100 (Matt. Kirtley or Beckwith) or £80 (Wm. Kirtley) for 1 yr. Open to honours graduates in Engineering in the Faculty of Science of this Univ., and to other suitably qualified candidates. Next offer 1955.

* † ‡ (iv) *Edmund Travis Scholarship*, for research in Engineering. £125 for 1 yr., renewable under special circumstances for 2nd yr., if funds allow. Open to honours graduates in Engineering in the Faculty of Science of this Univ. and to other suitably qualified candidates. Preference given to candidates who have conducted postgraduate research for at least 1 session. Last date for applications June 20. Next offer 1955. Further particulars from the Registrar.

[166] * MINISTRY OF EDUCATION, Curzon Street, London, W.1. *Whitworth Senior Scholarships* (maintained by Sir Joseph Whitworth's Foundation). Two awarded each year, value £325 p.a., tenable for 2 yrs., for a course of further training in industry, or for research work. Open to students under 26 yrs. of age who hold an Engineering degree or recognized diploma of a Univ. or Coll. of Great Britain or Northern Ireland, or a Higher National Diploma or Certificate in Mechanical or Production Engineering, with at least two distinctions, or who are in the final year of study leading to one of these qualifications. Candidates are required to have been engaged in an engineering works for not less than 24 mos., and must submit a thesis to the Ministry, between March 1 and April 1, on a subject to be approved previously by the Ministry. Regulations with syllabus obtainable (4d.) from H.M. Stationery Office, Kingsway, London, W.C.2.

† NATIONAL RESEARCH COUNCIL OF CANADA. *Scholarships, see under* Science (General) [273].

* † ‡ ROYAL SOCIETY. *Warren Fellowships, see under* Science (General) [278].

* SIR JAMES CAIRD'S TRAVELLING SCHOLARSHIPS TRUST. *Travelling Scholarships* in Engineering, etc., *see* Appendix III [374].

* † ‡ TURNER AND NEWALL FELLOWSHIPS in Engineering, *see under* Science (General) [281A].

[167] † UNITED KINGDOM GOVT. *Athlone Fellowships*. 38 awarded annually to enable Canadian Engineering graduates to take postgraduate training in the U.K. 28 are for graduates immediately after graduation, and 10 for graduates who have already spent some time in

industry. Fellowships will cover costs of transport, fees, and maintenance and be tenable normally for a maximum period of 2 yrs. Available for one of the following options: (1) works training in one or more approved industrial organizations; (2) postgraduate studies in a U.K. Univ. or coll. or research establishment; (3) a combination of (1) and (2); (4) research in a U.K. Univ. leading to M.Sc. or Ph.D. Further particulars from, and applicns. to, the Registrar of candidate's own Univ.

[168] * † ‡ WALES, UNIV. OF: SWANSEA UNIV. COLL. *Research Studentships* in (*a*) Engineering and (*b*) Metallurgy, £450 to £600 p.a., tenable for 1 yr. but may be renewed for a 2nd yr. at the Coll. in *either* the Dept. of Engineering *or* the Dept. of Metallurgy. Candidates should have qualifications in Maths., Physics, Chem., Engin., or Metallurgy. Further particulars from Registrar, Swansea University College, Singleton Park, Swansea.

10. ENGINEERING (Special Branches)

Aeronautics

[169] * GLASGOW UNIV. *English Electric Research Fellowship* in Aeronautics, £500, tenable for 1 yr. Open to graduates in Engineering or Applied Science with experience in aircraft engineering practice. Further particulars from Registrar.

[170] * † ‡ LONDON UNIV.: IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. *English Electric Company Studentship.* £500 p.a. for research in Aeronautics. Awarded normally for 1 yr. Candidates must have obtained good Hons. degree in Engineering, Aeronautics, Physics or Maths. Election is advertised.

[171] ROYAL AERONAUTICAL SOCIETY, 4 Hamilton Place, London, W.1. * † ‡ (i) *Royal Aeronautical Society Charter Scholarship.* One or more scholps. may be awarded annually to assist students wishing to undertake advanced work or study in aeronautics. Value up to £300 p.a., tenable for 1 yr. with possibility of renewal for a 2nd yr.

* † ‡ (ii) *Busk Studentship* for research in Aeronautics. Value, not less than £165 p.a.; tenable for 1 yr. with possible renewal for 2nd yr. Open to British subjects (not of Asiatic or African descent) under 25 yrs. of age. Tenable at home or abroad subject to Trustees' approval. Applications to be received by the end of May.

Further particulars from the Secretary of the Society.

* SIR JAMES CAIRD'S TRAVELLING SCHOLARSHIPS TRUST. *Travelling Scholarships* in Aeronautics, etc., *see* Appendix III [374].

Agricultural Engineering

[172] * † ‡ DURHAM UNIV.: KING'S COLL., Newcastle upon Tyne. *Massey-Harris-Ferguson Scholarship,* £250 p.a., tenable for 2 yrs. Open to graduates in Agric. or Mech. Engineering who have already fulfilled, or have been finally exempted from, Military Service obligations. Scholarship holder must engage in full-time study in the postgraduate course in Agric. Engineering at King's Coll. and in such vacation work

as from time to time may be laid down. Available for award every other yr. ; next available in 1956.

Applications to Registrar not later than May 31.

Chemical Engineering

See Science (Special Subjects) [292]-[297]

Civil Engineering

[173] * † ‡ DURHAM UNIV. : KING'S COLL., Newcastle upon Tyne. *Cement and Concrete Association Studentship*, £350 p.a., tenable at King's Coll., normally for 2 yrs. Open to students registered for a higher degree. Applications to Professor of Civil Engineering.

[174] * † ‡ LEEDS UNIV. *Cement and Concrete Association Scholarships*. For research in Civil Engineering, £190-£200 p.a., with fees, tenable in the Univ. for 2 yrs. Open to suitably qualified graduates of any Univ. Applications should reach the Registrar by June 1.

[175] LONDON UNIV. : IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. * † (i) *Concrete Technology Bursaries*, tenable for 1 yr., renewable for 2nd yr. Value, £350 (amount may be increased for those with industrial experience). Open to graduates in Engineering of a British Univ. 1 or 2 Sr. Bursaries of £600 p.a. may be awarded to outstanding men with at least 3 yrs.' industrial experience. Further particulars from Deputy Registrar, City and Guilds Coll., Exhibition Road, London, S.W.7.

* † (ii) *Hydro-Power Bursaries*. 6 Bursaries of £250 p.a. tenable for 1 yr., provided by English Electric Co. Ltd. Open to graduates in Engineering of a British Univ Further particulars from Deputy Registrar, City and Guilds Coll., Exhibition Road, London, S.W.7.

* † ‡ (iii) *Postgraduate Bursaries* in Engineering, *see under* Engineering (General) [164].

Electrical Engineering

[176] * † BIRMINGHAM UNIV. *General Electric Company Research Studentship* in Electrical Engineering, £300 p.a. with remission of tuition and membership fees for 1 yr., renewable, tenable in the Dept. of Electrical Engineering. Candidates should be graduates of a British Univ. and should have adequate experience in an electrical undertaking.

Further particulars from the Registrar.

[177] INSTITUTION OF ELECTRICAL ENGINEERS, Savoy Place, London, W.C.2.

(1) *Research Scholarships*. The following are normally offered for award each yr. :

* (*a*) *Ferranti Scholarship*, £500 p.a. for 2 yrs.
* (*b*) *Oliver Lodge Scholarship*, £420 for 1 yr. but may be extended for 2nd yr.
* (*c*) *I.M.E.A. Scholarship*, £420 for 1 yr. but may be extended for a further period not exceeding 2 yrs.
* (*d*) *Swan Memorial Scholarship*, £120 for 1 yr.

* (*e*) *C.P. Sparks War Thanksgiving Fund*, a grant not exceeding £100 for 1 yr.

(2) *Graduate Scholarships*. The following may be offered for award each yr. :

* (*a*) *Duddell Scholarship*, not exceeding £400 for 1 yr.

* (*b*) *Silvanus Thompson Scholarship*, not exceeding £400 for 1 yr.

Further particulars and application forms from the Secretary at the above address. Closing date for receipt of applications is June 1.

* † ‡ LONDON UNIV. : IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. *Postgraduate Bursaries* in Engineering, *see under* Engineering (General) [164].

[178] * † ‡ LONDON UNIV. : QUEEN MARY COLL. *W. T. Henley Fellowship*, tenable for 2 yrs. and may be extended for a 3rd. The successful applicant will be expected to do research work in Electrical Engineering and the College facilities are particularly good for res. work in dielectrics, high-voltage engineering and arc-interruption phenomena. £400 to £600 p.a., depending on qualifications. Applications, before Sept. 15, to Registrar, Queen Mary Coll., Univ. of London, Mile End Rd., London, E.1.

[179] MANCHESTER UNIV. * † ‡ (1) *John Phythian Research Scholarship* in Electrical Engineering. Offered annually. £40 p.a., tenable for 1 yr., renewable for 2nd yr. Applications by July 1. Further particulars from the Registrar.

* † ‡ (ii) *National Research Development Corporation Scholarships*. £300 for 1 yr., renewable for not more than 2 further yrs. Offered annually to graduates in Science of this or any other approved Univ. Tenable in the Computing Machine Laboratory or the Dept. of Electrical Engineering in the Faculty of Science. A scholarship of £500 may be awarded to a graduate in Mathematics with suitable research experience Last date for applications, Sept. 1.

Mechanical Engineering

[180] BIRMINGHAM UNIV. * † (i) *Jas. Watt Fellowship* in Mech. Engin., £450, tenable for 1 yr. in the Dept. of Mech. Engin., renewable. Candidates should be Hons. graduates in Engin. of a British Univ Preference to those who have had at least 1 yr.'s experience of postgrad. research.

* † ‡ (ii) *J. L. Norton Memorial Studentship*, £245-£285, with remission of tuition and examination fees, tenable for 1 yr., preferably in the Univ., for whole-time study of motor-cycle engin. problems. Open to graduates of any University.

Further particulars from the Registrar.

See also Applied Science and Technol. and Engineering (General).

* † ‡ DURHAM UNIV. : KING'S COLL., Newcastle upon Tyne. *George Angus Studentships, see under* Science, General [265].

[181] * GLASGOW UNIV. *Postgraduate Scholarships* in Mechanical Engineering, £300 with possible upward adjustment according to age and experience. Remission of fees. Tenure 1 yr. Primarily intended

for postgraduate study of the Theory and Practice of Heat Engines and allied subjects. Further particulars from Registrar.

[182] * † ‡ INSTITUTION OF MECHANICAL ENGINEERS, 1 Birdcage Walk, Westminster, London, S W.1. *Clayton Fellowships*, £300-£600 in value, normally 1 yr. in duration ; awarded for either (*a*) special experience in industry, either in Britain or abroad, or (*b*) postgraduate study or research in mechanical engineering. Candidates should be at least 23 years of age, have passed the Institution's Examination, or have obtained exemption from it, and should preferably be members of the Institution in any class. Applications to Secretary ; from outside U.K. before April 1 ; from within U.K. before May 11.

* † ‡ LONDON UNIV. : IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. *Postgraduate Bursaries* in Engineering, *see under* Engin. (General) [164].

* † ‡ TEXTILE MACHINERY MAKERS, LTD. *Sir Walter Preston Postgraduate Scholarships* and *Research Fellowships, see under* Applied Science and Technology [84].

Mining and Mining Engineering

[183] * † ‡ DURHAM UNIV. : KING'S COLL., Newcastle upon Tyne. *Eimco Studentship*, £50 p.a., tenable at King's Coll. for 2 yrs. Eligible for supplementation by the Ministry of Education. Available to graduates for research in Coal Preparation or Ore Dressing. Awarded in alternate yrs. ; next available in 1956. Applications to Registrar by May 31.

* † ‡ ROYAL SOCIETY. *Tyndall Research Fund, see under* Science (General) [278].

Naval Architecture and Marine Engineering

[184] THE INSTITUTION OF NAVAL ARCHITECTS, 10 Upper Belgrave Street, London, S.W.1. * (i) *Sir William White Postgraduate Scholarship* (part-time) in Naval Architecture (incl. Shipbuilding and Marine Engin.), £150 p.a. for 2 yrs., awarded biennially. Other professional work may be carried on concurrently. Open to British students under 30 yrs. of age who have attained distinction at either the R.N. Coll., Imperial Coll. (City and Guilds Engin. Coll.), Glasgow Univ., King's Coll., Newcastle upon Tyne or Liverpool Univ., and have had practical experience in shipbuilding or marine engin. work. Holder required to engage in research work at some approved institution, at home or abroad, where special facilities are available for advanced study in Naval Architecture and Marine Engineering. Nominations are made by the governing bodies of the above instns. to the Council of the Instn. of N.A.

* † ‡ (ii) *Aluminium Development Association Research Scholarship* in the application of light alloys to ship construction. £400 p.a. for 2 yrs., awarded biennially. Open to graduates in Applied Science of an approved Univ., and preferably under 30 yrs. of age, who comply with the conditions for admission to the Institution of Naval Architects. Holder required to pursue research at some approved institution, Univ.,

shipyard or works. Forms of application available from the Secretary, Institution of Naval Architects.

* (iii) *Froude Research Scholarship in Naval Architecture.* This scholarship of the annual value of £500, tenable for 2 yrs. and possibly a 3rd yr., is to enable British subjects normally under the age of 30, who have shown unusual promise in the study of Naval Architecture, to carry out research at the National Physical Laboratory, Teddington. The scholarship is awarded through the Institution of Naval Architects, and applications must be supported by the head of the appropriate dept. of the Univ. from which the candidate has graduated.

Further information may be obtained from the Secretary, Institution of Naval Architects.

* (iv) *Royal Commission for the Exhibition of* 1851. *Postgraduate Scholarship* in Naval Architecture to enable British subjects normally under the age of 30, who have shown unusual promise in the study of Naval Architecture, Aeronautics or the Mechanical Sciences, to carry out research in problems connected with the design and construction of ships, their machinery or equipment, and/or to investigate the development of the shipbuilding and allied industries at home and abroad. Open to candidates qualified in Naval Architecture from R.N. Coll., Greenwich, the Univs. of Glasgow, Durham (King's Coll., Newcastle upon Tyne), or Liverpool, and to candidates qualified in Aeronautics or Mechanical Sciences from any Univ. institution in the U.K. The nominations are reported on by the Council of the Institution of Naval Architects.

The value of the Scholarship is £500 p.a., but this may be modified if other awards are held concurrently. Tenable for 2 yrs., and in special circumstances 3 yrs., at any approved institution, firm or establishment at home or abroad.

Further information from the Secretary, Institution of Naval Architects, 10 Upper Belgrave Street, London, S.W.1.

11. FISHERIES

[185] * † ‡ DEVELOPMENT COMMISSIONERS, 6A Dean's Yard, Westminster, London, S.W.1. *Postgraduate Training Grants* in Fishery Research are offered in association with the Ministry of Agriculture and Fisheries and the Scottish Home Dept. Intended to enable selected candidates to undergo a specified course of training to fit them for the investigation of problems in marine or freshwater science. The awards do not carry with them any guarantee of subsequent employment in connexion with fishery research, nor do they entail any obligation to accept such employment; but the training which students will receive should fit them for employment either in the Fishery Research Services of the Ministry of Agriculture and Fisheries and the Scottish Home Dept. or in a Marine or Freshwater Biological Research Institute. Applications, to be submitted by a senior member of the candidate's Dept. in the Univ., should be received by the Development Commission, usually in the Spring. The number of Training Grants awarded annually will not exceed 3. Both men and women are eligible to apply, although women are unsuitable for employment in the marine research services

of the Ministry of Agriculture and Fisheries and the Scottish Home Dept., which involve sea-going duties. Opportunities for the employment of women may arise, however, in certain of the Marine or Freshwater Biological Institutes.

Candidates must be *British* subjects and graduates with Hons. in Science of a Univ. or possess equivalent qualifications. Value depends on the centre at which training is undertaken, but normally not less than £250 or more than £350 p.a., free of income tax, plus certain allowances. Tenable from 1 to 3 yrs.; renewable annually.

The Commissioners are also prepared to consider applications for additional grants for temporary assistants and for apparatus, etc., to enable members of the staff of a Marine Institution to prosecute special lines of enquiry.

Further particulars from the Secretary, Development Commission.

[186] * LIVERPOOL UNIV. *Herdman Scholarship* in Marine Zoology, value £200 for 1 yr., renewable for 2nd yr. Open to grads. in Sci. of Liverpool or any other U.K. Univ. who are qualified to carry on research. Tenable at the Univ. and at the Port Erin or other Biological Station. Applications to Dean of Fac. of Science.

[187] * † ROYAL SOCIETY. *John Murray Travelling Studentship* for the encouragement of travel and work in Oceanography and Limnology. Open to male British postgraduate students under the age of 35. Further particulars from the Asst. Secretary, The Royal Society, Burlington House, Piccadilly, London, W.1.

12. MEDICINE AND SURGERY (General)

[188] * † ABERDEEN UNIV. *Garden Fellowships* for Medical and Surgical Research, usually tenable for 3 yrs., normally within the University. Value: £400 for 1st yr. with increment of £50 in each succeeding yr. Open to graduates in Medicine of any British Univ. Further particulars from the Secretary.

[189] † ADAMS MEMORIAL TRUST. *Travelling Fellowships* (4). Annual value, about £500. Tenable for 1 yr. but may be extended for further period. Candidates must be South African graduates in Medicine or Medical Science and they must have shown promise of being likely to benefit from further study, research and experience in other countries. Further particulars from The Trustees, The South African Association for the Administration of Estates, 6 Church Sq., Cape Town, South Africa, to whom applications must be sent by Nov. 24 in each yr.

* † ‡ ASSOCIATION OF SURGEONS OF GT. BRITAIN AND IRELAND. *Moynihan Prize, see under* Prizes—Surgery [350].

[190] * † ‡ BEIT MEMORIAL FELLOWSHIPS FOR MEDICAL RESEARCH. Purpose: to promote the advancement by means of research of Medicine and the allied sciences in their relation to Medicine. Open to graduates, men or women, without restriction as to nationality, in any Faculty in any Univ. approved by the Trustees in the Dominions (incl. India and Pakistan), Protectorates and Mandated Territories, and

the Republic of Ireland ; also to women who have passed the examns. which would have entitled them to take any such degree. Tenable only at a College, Hospital, Medical School, Laboratory or other approved place in the United Kingdom. (i) *Junior Fellowships*, each of £800 p.a., and usually tenable for 3 yrs., are awarded in May for work commencing in Oct. An extension to a 4th yr. at £1000 is sometimes granted. Notice of each election is published 3 mos. in advance. Applications are considered by an Advisory Board. (ii) *Senior Fellowships* of £1200 p.a., tenable for 3 yrs., may also be awarded to persons who have already held Junior Fellowships. *Address* of Secretary to the Trust—Lister Institute, Chelsea Bridge Road, London, S.W.1.

[191] BRITISH MEDICAL ASSOCIATION, British Medical Association House, Tavistock Sq., London, W.C.1. * (i) *The Ernest Hart Memorial Scholarship* * (ii) *The Walter Dixon Memorial Scholarship*. The value of each not more than £250.

Each Scholarship is tenable for 1 yr. commencing Oct. 1. Present scholars may apply for reappointment, but no scholp. can be held for more than 3 yrs. Open to candidate recommended by the Science Committee as qualified to undertake research in any subject (incl. State Med.) relating to the causation, prevention or treatment of disease. Preference given to members of med. profession. A scholar is not necessarily required to devote the whole of his or her time to the work of research, but may be a member of H.M. Forces or may hold a jr. appt. at a Univ., Med. Sch. or Hosp., provided the duties of such appt. will not, in the opinion of the Science Cttee., interfere with his work as a scholar. Any scholp. may be held concurrently.

Applications for either of the above to be made on prescribed form to be obtained from the Secretary. Closing date for receipt of applications is March 31.

[192] CAMBRIDGE UNIV. * † (i) *Elmore Medical Research Studentships*. Open to male graduates of any Univ. born at any place within the Commonwealth other than Scotland, for research in Medicine, tenable at Cambridge or, with leave, elsewhere, normally for 2 yrs. but may be renewed. Annual value determined by the Board of Managers in each case—£400-£650 if unmarried ; £600-£850 if married. Further particulars from the Regius Professor of Physic, Dept. of Medicine, Univ. of Cambridge.

* † ‡ (ii) *Gwynaeth Pretty Research Studentship*, of £250 for 3 yrs., for research in the ætiology, pathology or treatment of disease with particular reference to diseases which disable in childhood or early life, tenable at Cambridge, exceptionally elsewhere. Offered triennially or as casual vacancies occur. Open to graduates of any Univ. Further particulars from the Professor of Pathology, Dept. of Pathology, Univ. of Cambridge.

* † ‡ (iii) *John Lucas Walker Studentship*, not exceeding £500 p.a., for original research in Pathology. Normally tenable for 3 yrs., but may be renewed for a second period not exceeding 2 yrs. Open candidature, but students must become members of Cambridge Univ. Place of studies

to be approved. Further particulars from the Professor of Pathology, Dept. of Pathology, Univ. of Cambridge.

* † ‡ (iv) *Pinsent-Darwin Studentship*, value about £250 p.a., for original research in Mental Pathology. Normally tenable for 3 yrs., but may be renewed. Open candidature, but students must become members of Cambridge Univ. Tenable at Cambridge or, with leave, elsewhere. Further particulars from the Secretary, Pinsent-Darwin Studentship, Psychological Laboratory, Univ. of Cambridge.

* † ‡ (v) Trainee posts in the clinical pathological depts. of Addenbrooke's Hospital, Cambridge, under the control of the Professors of Pathol. and Biochem., offer a 2 yrs.' course of training in all the aspects of clin. pathol., post-mortem work, histol. and chem. pathol. Remuneration at the rates laid down for Registrars under the N.H.S. Act. Further particulars from the Professors of Pathology and Biochemistry, Univ. of Cambridge.

* CARNEGIE TRUST FOR THE UNIVS. OF SCOTLAND. *Fellowships* and *Scholarships*, *see under* General [16].

[193] * † ‡ DURHAM UNIV.: KING'S COLL., Newcastle upon Tyne. *Luccock Medical Research Fellowships*, Senior £750 p.a., and Junior £300 p.a., for research in Medicine, including Dental Surgery, tenable at King's Coll. The Sr. Fellowships, which are tenable for a period not exceeding 3 yrs., are open to any person who, by publication or otherwise, has proved himself able to carry out original research. Candidates for Jr. Fellowships, which are tenable for 1 yr. or as may be decided, must hold medical, dental or scientific qualifications.

Further particulars from the Registrar, King's Coll., Newcastle upon Tyne, 1.

[194] EDINBURGH UNIV. * † ‡ (i) *Richard Brown Scholarship*, *see under* General [21].

* † ‡ (ii) *Whaitt Research Scholarship* for research in a branch of Medicine specified by the Univ., £250 for 1 yr. plus research expenses allowance not exceeding £50, renewable for a 2nd yr., tenable at the Univ. Open to graduates of any approved Univ. or licentiates of an approved Coll.

* † ‡ (iii) *Wilkie Scholarships* 3 Scholps. of £100, or 2 of £150, or one of £350, for one yr. (with possible extension for a 2nd yr.); awarded by the Faculty on the recommendation of the Prof. of Surgery to graduates in Medicine of any Univ., or to licentiates in Medicine of any licensing body, or to graduates in Arts or Science of any Univ. A preference is given to suitable graduates of the Univ. of Edinburgh. The holders must carry out approved research in Surgery in approved places.

Further particulars from the Secretary of the Univ.

[195] GROCERS' COMPANY. *Scholarship*. Under review. Apply for information to the Clerk, Grocers' Hall, Princes Street, London, E.C.2.

[196] * † LONDON UNIV.: BRITISH POSTGRADUATE MEDICAL FEDERATION, Central Office, 2 Gordon Square, London, W.C.1. *Postgraduate Travelling Fellowships*. A limited number awarded annually

to enable graduates to study and undertake research in one of the pre-clinical or clinical branches of Medicine, Surgery or Dentistry at Univs. or other centres in the U.K. (excluding London) and abroad. Open to British subjects with registrable medical or dental qualifications who are holding appointments or are engaged in postgraduate study at undergraduate or postgraduate Teaching Hospitals, Medical or Dental Schools of the Univ. of London. Tenable for 1 yr. Fellows' basic maintenance allowance, £750 p.a. There are additional allowances for Fellows working abroad, and home maintenance allowances for married Fellows. Certain travelling allowances are also made. Further particulars from the Asst. Director.

[197] * † ‡ LONDON UNIV.: CHARING CROSS HOSPITAL MEDICAL SCHOOL. *Gosse Postgraduate Scholarship.* Awarded annually for pt.-time research in an approved medical science. Value £300, tenable for 1 yr., at the School; may be renewed for not more than a 2nd yr. Candidates must be male postgraduates in any of the medical sciences and be natives of Gt. Britain. Applications to Secretary by June 30.

[198] LONDON UNIV.: KING'S COLL. HOSPITAL MEDICAL SCHOOL. * † ‡ (i) *Wiltshire Memorial Research Scholarship.* Intended to encourage research in Cardiology in its widest aspect and may be held for the purpose of travel and study abroad. Open to Registered Medical Practitioners. Tenable for one yr., but may be renewed. Part- or full-time. Value, £400.

* † ‡ (ii) *Cowburn Research Fellowship.* For furtherance of research in Pathology, Bacteriology, Morbid Anatomy and allied subjects. Holder need not be medically qualified. Appointment annually for up to 3 yrs. and in exceptional circumstances may be extended. The appointment is full-time. Commencing salary not less than £1000 p.a. The post is superannuable.

Further particulars from the Secretary.

[199] * † ‡ LONDON UNIV.: ROYAL FREE HOSPITAL SCHOOL OF MEDICINE, 8 Hunter Street, London, W.C.1. *Dr. Edith Pechey Phipson Postgraduate Scholarship* in Medicine. £95 for 1 yr. with possible renewal for 2 further yrs. Tenable at any institution approved by the Trustees. Open to all medical women, with preference to those from, or going to work in, India or Pakistan. Forms of application to be obtained from, and returned by Feb. 1 each yr. to, the Warden and Secretary at the above address.

[200] * † ‡ LONDON UNIV.: ST. MARY'S HOSPITAL MEDICAL SCHOOL, Norfolk Place, Paddington, W.2. *Medical Research Fellowships* (3) for postgraduate medical research, £500 for 1 yr., in any of the pre-clinical or clinical depts. Open to registered medical practitioners. Applications by April 30 to the Secretary.

[201] * MCCUNN TRUST. *Medical Research Scholarships* for higher study and original research in Medicine and allied subjects, £400 p.a., tenable for 1 yr. or more at an approved institution at home or abroad; and *Travelling Scholarships* of £100 p.a. tenable for such period less than a yr. as the Trustees may approve. 4 Scholps. will be available each yr.,

of which at least 1 will be a Res. Scholp and at least 1 a Travelling Scholp. The other 2 may be of either class. Open to graduates in Medicine of not more than 5 yrs.' standing in a Scottish Univ. Forms of application to be obtained from, and returned by Sept. 1 each yr. to, Mitchells, Johnston & Co., Solicitors, 160 West George Street, Glasgow, C.2.

[202] MEDICAL RESEARCH COUNCIL, 38 Old Queen St., Westminster, London, S.W. 1. The following awards are normally restricted to British subjects resident in the United Kingdom :

* † ‡ (i) *Research grants* to qualified investigators in respect of approved programmes of work to be carried out in Univs., Medical Schools, Hospitals or other institutions. Grants may be either personal, *i.e.* to provide remuneration in respect of whole-time or part-time work devoted to particular subjects approved by the Council, or for scientific or technical assistance, or for expenses necessarily incurred in the prosecution of the approved researches.

* (ii) *Fellowships* in Clinical Research and related basic subjects. Value £850 × £75-£1000 p.a., tenable for 1 to 3 yrs. Open to suitably qualified medical graduates with clinical experience who contemplate a career in clin. res. and who would profit by a period of postgraduate training in the basic sciences.

* (iii) *Scholarships* to enable young medical, dental or science graduates of special promise to receive whole-time training in research methods under suitable direction in recognized institutions. Standard maintenance allowance £300-£350 p.a. ; for more senior candidates £400-£500 p.a.

Further particulars from the Secretary.

† MELBOURNE UNIV. *Sir Arthur Sims Travelling Scholarship, see under* General [39].

† NATIONAL RESEARCH COUNCIL OF CANADA. *Scholarships, see under* Science (General) [273].

[203] NUFFIELD FOUNDATION, Nuffield Lodge, Regent's Park, London, N.W.1. * (i) *Medical Fellowships.* Open to persons of either sex (usually aged 25-35) normally resident in and holding a medical qualification registrable in the U.K. Tenable anywhere, from 1 to 3 yrs. Fellows are *not* permitted to prepare for or take examinations for higher degrees during tenure. Value £900-£1300 p.a. and travelling expenses. Applications by May 1. Further particulars from Director.

† (ii) *Dominion Travelling Fellowships, see under* General [43].

[204] OXFORD UNIV. † (i) *Nuffield Foundation Dominions Demonstratorships and Clinical Assistantships.* Open to graduates of the Universities of Adelaide, Melbourne, Queensland and Sydney, Australia ; New Zealand ; Cape Town, Pretoria and Witwatersrand, South Africa. Appointments to be made by the Univ. of Oxford on the nomination of the candidate's Univ. Further particulars from Registrar of candidate's Univ.

* † (ii) *Medical Scholarships.* Open to members of Univs. in U.K., Canada, Australia, New Zealand and S. Africa, to read for B.M. degree

or equivalent degree of own Univ. and complete clinical studies at Oxford. Value £250-£350 p.a. for from 3 to 5 yrs. Travelling expenses for Dominion scholars. Not confined to graduates. Further particulars from Secretary of Medical School.

[205] ROYAL COLL. OF PHYSICIANS, 9 Queen St., Edinburgh 2. * (i) *Freeland Barbour Fellowship*, value about £100, awarded biennially. Open to licentiates or graduates in Medicine carrying on research in any laboratory or research dept. connected with medical science, preference being given to research connected with obstetrics and gynæcology.

* (ii) *Lister Fellowship*, value about £100, awarded biennially. Open to licentiates or graduates in Med. carrying on research in any laboratory or research dept. connected with medical science, preference being given to research in Bacteriology. Last award 1954.

* (iii) *Kirk Duncanson Fellowship for Medical Research.* Awarded by the Council of the College from time to time and subject to such conditions and regulations as the Council may appoint. Value to be determined by the trustees of the Fund from time to time.

[206] ROYAL COLL. OF PHYSICIANS OF LONDON, Pall Mall East, London, S.W.1. * † (i) *Leverhulme Research Scholarship*, tenable for from 1 to 3 yrs. at any institution, preferably in the U.K., where full facilities for research are available. Open to British subjects.

* † ‡ (ii) *Streatfeild Scholarship*, awarded jointly with the Royal College of Surgeons, for from 1 to 3 yrs., for research in Medicine or Surgery, tenable at an approved institution. Open to qualified applicants of any nationality.

* † ‡ (iii) *Saltwell Research Fellowships*, approx. £1000 p.a., tenable for from 1 to 3 yrs. at an approved institution for research of any type, including clinical, epidemiological or laboratory studies in connexion with cancer, rheumatism, malaria or morbid conditions of the prostate gland. Open to qualified applicants of any nationality.

* † (iv) *Will Edmonds Clinical Research Fellowship*, for clinical research on any disease usually treated in a general hospital (excluding tropical or rare diseases), tenable for from 1 to 5 yrs., in a general hospital in the metropolitan area of London. Open to registered medical practitioners of the British Commonwealth.

Further particulars from the Assistant Registrar.

[207] * † ROYAL COLL. OF PHYSICIANS OF LONDON AND ROYAL COLL. OF SURGEONS OF ENGLAND. *Mackenzie Mackinnon Research Fellowship* for scientific medical investigation in any laboratory approved by the joint committee. Tenable for 1-3 yrs. Open to holders of med. qualification registrable in Gt. Britain or Ireland, or of a Univ. degree, nominated by a Med. School. Application to Secretary, Royal Coll. of Surgeons, Lincoln's Inn Fields, London, W.C.2.

[208] ROYAL COLL. OF SURGEONS, Lincoln's Inn Fields, London, W.C.2. * † ‡ (i) *Sir Arthur Sims Commonwealth Travelling Professorship*, £2000 p.a. One or two Commonwealth Professors will be appointed annually and will generally be prominent physicians, surgeons or scientific workers resident in Gt. Britain or in Australia or New

Zealand or Canada. A distinguished teacher from one of the other Dominions may be elected. He will be required to travel from the country where he is normally resident to Gt. Britain, or to Australia and N.Z., or to any other Dominion of the British Commonwealth, for the purpose of assisting in the advancement of medical science either by lecturing, teaching or engaging in research.

It is the hope of the donor, Sir Arthur Sims of Christchurch, N.Z., that the institution of the Professorship will not only lead to the establishment of closer links between scientific workers in the Dominions and in the older seats of learning and centres of research, but that the people of all nations will benefit.

The appointment is made by the Royal Coll. of Surgeons of England on the nomination of the President, who is Chairman of an Advisory Board consisting of the Presidents of the Royal Coll. of Physicians of London, the Royal Coll. of Surgeons of England, the Royal Australasian Coll. of Physicians, the Royal Australasian Coll. of Surgeons, and the Royal Coll. of Physicians and Surgeons of Canada.

* † (ii) *Leverhulme Research Scholarships* (2), £800 p.a. plus £200 for expenses, for research in some biological or clinical problems of disease in man, either at the Buckston Browne Surgical Research Farm, Downe, Kent, or at the Coll. Laboratories, tenable for 1 yr., renewable. Open to British subjects holding a med. qualification registrable in the U.K. or a Univ. degree.

* † (iii) *Mackenzie Mackinnon Research Fellowship*, awarded jointly with the Royal Coll. of Physicians, for scientific medical investigation in any laboratory approved by the joint committee; tenable for 1-3 yrs. Open to holders of a med. qualification registrable in the U.K., or of a Univ. degree, who are nominated by a medical school.

Further particulars in each case from the Secretary.

[209] ROYAL SOCIETY. * † ‡ (i) *Henry Head Research Fellowship*. For medical research. £1000-£1500 p.a. for 2 yrs. in first instance, renewable for such periods as Council may determine, not normally exceeding 5 yrs.

* † (ii) *Foulerton Research Fellowships* of £850-£1000 p.a., restricted to British subjects. *Duties*: To conduct, at any hospital or medical school in the British Isles, or other place approved by the Council of the R.S. researches in Medicine or the contributory sciences, under the supervision and control of the Foulerton Research Fund Management Committee, to whom the Fellows will be required to report from time to time on the progress of their work. Tenable for 2 yrs. and renewable from year to year, with a maximum total tenure of 5 yrs. from the first award. Applications invited by public advertisement.

* † ‡ (iii) *Stothert Research Fellowship* in the field of medicine, including the sciences on which medical knowledge is based; £600 p.a., tenable in any Hospital, Medical School or other appropriate Research Institution or Univ. Dept. in the British Isles, or at any other place approved by the Council of the Royal Society, in the first instance for 2 yrs., but may be renewed annually up to a total of 4 yrs. Open to graduates of any Univ. Applications invited by public advertisement.

* † ‡ (iv) *E. Alan Johnston, Lawrence and Moseley Research Fellowship* (income not less than £500 p.a.) for increasing the knowledge of the causes of disease and conditions of healthy life, tenable in the first instance for 2 yrs., renewable, at any place approved by the Council of the R.S. Open to graduates of any Univ.

Unless otherwise stated, above awards are open to qualified persons, irrespective of nationality, but in practice are generally awarded to British nationals.

(v) *Other Funds* : *see under* Science (General) [278].

Further particulars from the Asst. Secretary, The Royal Society, Burlington House, London, W.1.

[210] ROYAL SOCIETY OF MEDICINE. * † (i) *William Gibson Research Scholarship* in Medicine, £200 p.a. for 2 yrs., renewable for a third yr. Awarded from time to time to qualified med. women who are British subjects. Unrestricted travelling allowed for purposes of research undertaken. Tenable within the British Commonwealth.

* † (ii) *Nichols Fellowship* for research which is calculated to advance obstetrics and gynæcology. The Fellowship is offered triennially and is of 2 yrs.' duration, but is awarded for 1 yr. in first instance. Open to qualified British subjects. The research must be carried out in an approved institution providing suitable facilities. The emoluments are an honorarium of £200 p.a. and a grant of £25 for expenses or such sums as may be decided upon by the Council of the Royal Society of Medicine. Applications to the Secretary, 1 Wimpole Street, London, W.1.

[211] SHEFFIELD UNIV. * † ‡ (i) *J. G. Graves Medical Research Fellowship*, £1300 p.a., tenable for 3 yrs. with possibility of renewal for not more than 2 yrs., for full-time original research in any branch of Medicine approved by the Faculty of Medicine and carried out in one of the departments of the Univ. or in a teaching hospital associated with it. Open to graduates of any recognized Univ.

* † ‡ (ii) *John Stokes Research Fellowship*. Value £500 p.a., tenable for 3 yrs. with possibility of renewal for 2 yrs., for full-time research in one of the depts. of the Univ. Medical School or in a teaching hospital associated with the Univ. A candidate need not hold a registrable medical qualification.

Further particulars from the Registrar.

13. MEDICINE AND SURGERY (Special Subjects)

Anatomy

[212] * † ‡ MANCHESTER UNIV. *Morrison Watson Fellowship* in practical and descriptive anatomy, £150 p.a. and occasionally more, renewable for 2nd yr., normally tenable at the above. Open to persons with a medical qualification registrable in the U.K. or a degree of an approved Univ. Applns. not later than June 1.

Further particulars from the Registrar.

Bacteriology

* † ABERDEEN UNIV. *Georgina McRobert Research Fellowship, see under* Medicine and Surgery (Special Subjects)—Cancer [215].

[213] ‡ LIVERPOOL UNIV. *John W. Garrett International Fellowship* in Bacteriol., about £400 for 1 yr., offered annually, renewable for 2nd yr. Failing a candidate in Bacteriol., the Profs. of Pathol. and Physiol. shall be invited to nominate a candidate. Open in the first place to members of Univs. and Med. Schools in the U.S.A., and of other foreign Schools. In default of such candidates, graduates in Med. (Liv.) and graduates in Sci. of approved Univs. are eligible. Except with the permission of the Senate, research must be carried out in the Univ. or in hospitals or in other institutions approved by the Fac. of Med. Applications to be sent to the Dean of the Fac. of Med. not later than June 27.

* † ‡ LONDON UNIV.: KING'S COLL. HOSPITAL MEDICAL SCHOOL. *Cowburn Research Fellowship, see under* Medicine (General) [198].

[214] * † LONDON UNIV.: LISTER INSTITUTE OF PREVENTIVE MEDICINE, Chelsea Bridge Road, London, S.W.1. *Jenner Memorial Research Studentship*, £500 for 1 yr. with possible extension for 2nd and 3rd yrs., tenable at the above Institute. Open to British subjects. Vacancies advertised in medical journals.

* ROYAL COLL. OF PHYSICIANS, Edinburgh. *Lister Fellowship, see under* Medicine and Surgery (General) [207].

Biochemistry

See Science (Special Subjects) [283]-[286].

Cancer

[215] * † ABERDEEN UNIV. *Georgina McRobert Research Fellowship* for encouraging the investigation of the cause, prevention and treatment of cancer, £900 p.a., tenable at the Univ. in any one of the following fields—Bacteriology, Biochemistry, Biology, Chemo-therapy, Clinical Science, Pathology, Physics. Open to graduates in Medicine of any British University. The appointment is subject to annual renewal for 5 yrs. with possibility of extension. The successful applicant will come under the Federated Superannuation System for Univs.

Further particulars from the Secretary.

[216] * † BRITISH EMPIRE CANCER CAMPAIGN. Purpose: to co-ordinate and support research into the causation, distribution, symptoms, pathology and treatment of cancer. Fellowships of 4 types may be awarded: *Senior* (up to 7 yrs.' tenure in U.K., commencing at £2000 p.a.); *Intermediate* (up to 5 yrs.' tenure in U.K., commencing at £1500 p.a.); *Junior* (up to 3 yrs.' tenure in U.K., commencing at £1000 p.a.); and *Exchange* (1 yr.'s tenure in U.S. or Canada at $4000 plus cost of travel). Vacancies announced as they occur. Further particulars from the Secretary-General of the Campaign, 11 Grosvenor Crescent, Hyde Park Corner, London, S.W.1.

[217] * † LEEDS UNIV. *Cancer Research Fellowships* given through Yorkshire Council of the British Empire Cancer Campaign. 4 in

number, value not exceeding £500. Tenable in the Univ. of Leeds for 1, 2 or 3 yrs., renewable. Vacancies announced as they occur.

[218] * † ‡ LONDON UNIV. *Laura de Saliceto Studentship* for advancement of cancer research, value £150 for 2 yrs., renewable by annual reappointment for total of not more than 5 yrs., normally tenable in a School of the Univ. Open to both sexes. The Studentship is a part-time appointment and may be held in conjunction with a physiol. or pathol. laboratory appointment or a clinical appointment affording special opportunities for study of cancer. Vacancies in the Studentship will be advertised in the public press. Applications before July 1 of year of appointment. Further particulars from the Academic Registrar, Univ. of London, The Senate House, London, W.C.1.

[219] * † ‡ MANCHESTER UNIV. *Pilkington Fellowship* in cancer research, £300 p.a., renewable for 2nd yr. or more, normally tenable at the above. Open to graduates in Med. or Surg. of any approved Univ. or Med. School, or to members or Fellows of the R. Colls. of Surgeons of England, Edinburgh or Ireland, or Licentiates, Members or Fellows of the R. Colls. of Physicians of London, Edinburgh or Ireland. Applns. by June 30.

Further particulars from the Registrar.

[220] * † ‡ ROYAL COLLEGE OF SURGEONS, Lincoln's Inn Fields, London, W.C.2. *Prophit Studentships* (2), £800 p.a., with a possible additional grant of £200 towards expenses, are awarded by Special Trustees on the recommendation of the Royal Coll. for research in cancer at any approved institution; tenable in the first instance for 1 yr., renewable up to a maximum of 5 yrs. Open to qualified graduates of any Univ. Further particulars from the Secretary.

[221] * † ‡ SHEFFIELD UNIV. *James Morrison Research Fellowship*, £1000 p.a., tenable for 3 yrs. with possibility of extension; for research into the treatment of cancer at or in association with the work of the David Morrison Research Department of the Sheffield National Centre for Radiotherapy. Candidates need not be registered medical practitioners. Further particulars from the Registrar.

Cardiology

* † ‡ LONDON UNIV.: KING'S COLL. HOSP. MED. SCH. *Wiltshire Memorial Research Scholarship, see under* Medicine and Surgery (General) [198].

Diseases of Children

[222] * † ‡ LIVERPOOL UNIV. *Ridgway Fellowship*; value about £400, tenable for 1 yr., renewable for a 2nd yr., for research in some branch or branches of Tuberculosis or crippling diseases of children. The Fellow must be a graduate in Med. of an approved Univ. (or hold a registrable qualification). Except with the permission of the Senate, research must be carried out in the Univ. or in hospitals or other institutions approved by the Faculty of Med. Applications, stating academic career and subject of proposed investigation, to be sent to the Dean of the Fac. of Med. not later than June 27.

[223] * † ‡ MANCHESTER UNIV. *Ashby Memorial Research Scholarship* in Diseases of Children. £100 offered triennially, normally tenable at the above. Open to any Med. practitioner registrable in England. Next offer 1955. Last day of entry, June 30.

Further particulars from the Registrar.

Neurology and Psychiatry

[224] * † ‡ HENDERSON TRUST. *Henderson Research Scholarship*, £1000 p.a. for 1 yr., renewable for 2nd or 3rd yr., for study and research in nervous and mental disorders. The work may be clinical, pathological, psychological or sociological and be carried out, preferably, in or near Glasgow. Open to fully qualified med. practitioners of either sex, holding a degree or other qualification of a British Univ., Coll. or School of Med., or to persons who have devoted themselves to the care of, or been specially interested in, mental defectives. Candidates must have shown capacity for original research. Other qualifications being equal, preference will be given to a Scottish applicant. Applications to Kenneth Walker, Esq., Secretary to the Trustees, 190 West George St., Glasgow, C.2.

[225] * † ‡ LONDON UNIV.: GUY'S HOSPITAL MEDICAL SCHOOL. *Sir Alfred Fripp Memorial Fellowship* for research in Child Psychology. Open to candidates not more than 35 yrs. of age. £250 p.a , tenable for 2 yrs. Applications invited by advertisement when Fellowship vacant.

[226] * † ‡ LONDON UNIV.: INSTITUTE OF NEUROLOGY. *Research Scholarship* available at The National Hospital, Queen Sq. Annual value, £1200. Further particulars from Secretary, Jt. Research Advisory Committee, Institute of Neurology, The National Hospital, Queen Square, London, W.C.1.

[227] * † ‡ MANCHESTER UNIV. *Knight Fellowship* for study of the factors concerned in development of symptoms of mental disturbance. £150 offered triennially, normally tenable at the above. Open to grads. of any Univ. Next offer 1955. Applications not later than June 1.

Further particulars from the Registrar.

[228] MEDICAL RESEARCH COUNCIL, 38 Old Queen St., Westminster, London, S.W.1. * † ‡ (i) *Kathleen Schlesinger Research Fellowship*. Value £700-£1000 p.a., tenable for 1 to 3 yrs. Subject: Neuropathology. Open to suitably qualified graduates for whole-time research on brain cysts and allied conditions; preference will be given to candidates who elect to work on the mechanisms underlying degenerative processes affecting the brain. Applications invited by advertisement when Fellowship is vacant.

* † ‡ (ii) *Mapother Research Fellowship* in Psychiatry. Value £600-£800 p.a. plus £200 p.a. for research expenses; tenable for 1 to 3 yrs. Subject: Histochemistry of the nervous system. Open to suitably qualified graduates for whole-time research at the Institute of Psychiatry, Maudsley Hospital, London. Candidates should preferably have had

experience in the use of both biochemical and histological methods. Applications invited by advertisement when Fellowship is vacant.

[229] * † ‡ OXFORD UNIV. *Betty Brooks Research Fellowship.* For 3 yrs. at £500-£850 p.a., to further the study of problems of brain metabolism in relation to nervous and mental disease, the Fellow to work mainly in the Dept. of Biochemistry, but to keep in touch with the relevant clinical work, especially in the Nuffield Dept. of Surgery. The Fellow to be apptd. by the Board of the Faculty of Medicine on the recommendation of the Whitley Professor of Biochemistry.

Obstetrics and Gynæcology

[231] * † ‡ MANCHESTER UNIV. *William Walter Fellowship,* for research in Obstetrics and Gynæcology. Open to graduates in medicine or science of this or any other approved Univ. Value within range £500-£2000. Tenable for 1 yr., renewable for 2nd, and in exceptional cases, for 3rd yr. Offered as funds permit.

[232] ROYAL COLLEGE OF OBSTETRICIANS AND GYNÆCOLOGISTS. * † ‡ (i) *Edgar-Gentilli Research Scholarship.* Purpose: to help research into malignant disease of the female pelvic organs, preferably connected with chorion epithelioma. Awards are of 2 kinds: (*a*) *Grants* of variable amount to provide research expenses or salaries of scientific or technical assistants to senior workers, (*b*) *Research Fellowship,* with stipend normally at rate of £850 p.a., plus small allowance for expenses for full-time research, with proportionate amount for part-time work; awarded for 1 yr. in first instance but renewable for up to 3 yrs. Research should normally be done in recognized dept. or laboratory.

* † ‡ (ii) *Leverhulme Research Scholarships.* Value, up to £500 p.a. for purposes of research into problems connected with obstetrics and/or gynæcology. May be held simultaneously with another appointment if sufficient time available for research.

Applications close on Sept. 1, 1955, for 1956 academic year. Further particulars from Hon. Secretary, 58 Queen Anne St., London, W.1.

[233] * † ‡ WALES, UNIV. OF: WELSH NATIONAL SCHOOL OF MEDICINE. *Ewen Maclean Research Scholarship* in Obstetrics and Gynæcology, £150 for 1 yr., tenable at the Welsh National School of Medicine. Open to graduates of any approved Univ. or qualified med. practitioner. Applications to the University Registry, Cathays Park, Cardiff.

Ophthalmology

[234] * † MOORFIELDS, WESTMINSTER AND CENTRAL EYE HOSPITAL. *Cruise Clinical Research Scholarship,* awarded annually, tenable at the Westminster Branch, High Holborn, London, W.C.1. Open to British subjects.

Further particulars from the Dean, Univ. of London Institute of Ophthalmology, Moorfields, Westminster and Central Eye Hospital, City Road, London, E.C.1.

[235] * † ROYAL COLLEGE OF SURGEONS OF ENGLAND. *Sir William Lister Award* in Ophthalmology endowed in 1948 by Lady Lister in memory of her husband, Sir Wm. Tindall Lister. A travelling scholarship available to any British ophthalmologist; awarded triennially by the College and Moorfields, Westminster and Central Eye Hospital. Further particulars from Secretary, Royal College of Surgeons, Lincoln's Inn Fields, London, W.C.2.

Orthopædic Surgery

[236] * † LONDON UNIV.: GUY'S HOSPITAL MEDICAL SCHOOL. *Lambrinudi Memorial Scholarship* for postgraduate study, or travel or research work in Orthopædic Surgery. Value, £100. Awarded once every 3 yrs. to a candidate who has held the post of Orthopædic Registrar in a Teaching Hospital in Gt. Britain or elsewhere in the British Commonwealth. Applications invited by advertisement when Fellowship vacant.

[237] * † ‡ ROYAL COLL. OF SURGEONS and UNIV. OF LIVERPOOL and LIVERPOOL MEDICAL INSTITUTION. *Robert Jones Travelling Research Fellowship* in Orthopædic Surgery, £300 p.a., tenable for 1 yr., of which a part must be spent abroad; awarded once every 4 yrs. alternately by (*a*) the Univ. of Liverpool and the Liverpool Medical Institution jointly, and (*b*) the Royal Coll. of Surgeons of England.

Further particulars from the Secretary, Royal Coll. of Surgeons, Lincoln's Inn Fields, London, W.C.2.

Oto-Rhino-Laryngology

[238] * † ‡ LONDON UNIV. *Geoffrey E. Duveen Studentship*, offered from time to time for research in Oto-Rhino-Laryngology; value, £650; applicants must either be registered medical practitioners or have had appropriate previous education and experience. Applications to the Academic Registrar, Univ. of London, Senate House, London, W.C 1.

Pathology

* † ABERDEEN UNIV. *Georgina McRobert Research Fellowship, see under* Medicine and Surgery (Special Subjects)—Cancer [215].

[239] BELFAST, THE QUEEN'S UNIV. * † (i) *Musgrave Research Studentships* (4) of £150 (which may be increased to £200 in the case of holders who are graduates of The Queen's Univ.); tenable for 1 yr. at Belfast; open to British subjects, graduates of at least 1 yr.'s standing in a Univ. of the British Commonwealth, for research in Pathol., Chem., Physics, Biol. and Physiol. In making awards, preference will be given to a suitably qualified candidate proposing research in Pathol. Latest date for applications (10 copies and not more than 2 testimonials as to fitness for research)—June 1, to the Secretary of the Univ.

* † (ii) *John Dunville Fellowship* in Pathology, £400 for the 1st yr. and £450 each for the 2nd and 3rd yrs., tenable at The Queen's Univ. Open to persons either of whose parents was born or who for at least 20 yrs. resided in Great Britain or Northern Ireland. The objects of the Fellowship are :—(i) to educate the Fellow in pathol. and med. science;

(ii) to enable the Fellow to qualify for academic and other medical and scientific appts.; (iii) to enable the Fellow to engage in experimental pathol. work; (iv) to advance pathol. and med. knowledge.

Further particulars from the Dean of the Faculty of Medicine.

CAMBRIDGE UNIV. * † ‡ (i) *John Lucas Walker Studentship* and * † ‡ (ii) *Pinsent-Darwin Studentship, see under* Medicine (General) [192].

* † ‡ LADY TATA MEMORIAL TRUST *Grants, Fellowships* and *Scholarships. See under* Science (General) [269].

[240] LIVERPOOL UNIV. * † ‡ (i) *Thelwall Thomas Univ. Scholarship* in Surgical Pathology. About £400 p.a., tenable for 1 yr., but renewable for a 2nd yr. Open to graduates of any Univ., should a suitable candidate from Liverpool Univ. not be forthcoming.

Applications to Dean, Faculty of Medicine.

‡ (ii) *John W. Garrett International Fellowship, see* Bacteriol. [213].

[241] LONDON UNIV. * † ‡ (i) *Charles Graham Medical Research Fund.* A Scholarship in Pathology, value not exceeding £400 p.a. for 2 yrs., is awarded from time to time " to enable a young man to continue his pathological researches, and at the same time to secure his services to the School of Advanced Medical Studies connected with Univ. College Hospl. as a Teacher under the direction of the Prof. of Pathology." Applicants should give names of 3 referees, including a Teacher of the Univ. or Coll. in which he has conducted his studies in Pathology. The Scholar is required to undertake teaching as well as research work. Further particulars from the Academic Registrar.

* † ‡ (ii) *John Marshall Fellowship* in Surgical Pathology, tenable in conjunction with Whait Research Fellowship at Univ. Coll. Hospl. Medical School in Graham Research Dept.; combined value £900 p.a plus F.S.S.U. benefits, for 2 yrs., renewable for 1 further yr. For research and surgical pathology work in Hospl. Awarded by Univ. on nomination of Medical School. Enquiries to Dean of U.C.H.M.S.

* † ‡ LONDON UNIV.: KING'S COLL. HOSPITAL MEDICAL SCHOOL. *Cowburn Research Fellowship, see under* Medicine (General) [198].

[242] * † ‡ OXFORD UNIV. *Philip Walker Studentship* for research in Pathology, £250 p.a., tenable for 5 yrs. Open to graduates of any Univ. Last award 1951. Further particulars from Prof. of Pathology.

* † ‡ ROYAL SOCIETY. *Mackinnon Research Studentship, see under* Science (General) [278].

[243] * † ‡ SOCIETY OF APOTHECARIES OF LONDON. *Gillson Scholarship* for the encouragement of original research in any branch of Pathology, £500, tenable at an approved institution. Awarded triennially; next award in 1955. Open to candidates under 35 yrs. of age who (*a*) are either Licentiates or Freemen of the Society, or (*b*) obtain the Licence or the Freedom within 6 mos. of election to the scholarship. Further particulars from the Registrar, Apothecaries' Hall, Black Friars Lane, Queen Victoria St., London, E.C.4.

Physiology

* † BELFAST, THE QUEEN'S UNIV. *Musgrave Research Studentships, see under* Medicine and Surgery (Special Subjects)—Pathology [239].

‡ LIVERPOOL UNIV. *Garrett International Fellowship, see under* Bacteriology [213].

[244] * † ‡ LONDON UNIV.: KING'S COLL., Strand, London, W.C.2. *Berridge Studentship* in Physiology of £100 p.a. for 2 yrs. Candidates, who may be graduates of any Univ., must submit not later than June 30 a statement giving the plan of work they intend to pursue and the amount of time to be devoted to it. They must also give references to their previous training and capacity for research, and, if appointed, take up the studentship in the following Oct. The award will, if the holder is otherwise eligible, be supplemented by the Ministry of Education to the value of a State Scholarship. Further particulars from the Registrar.

[245] LONDON UNIV.: UNIVERSITY COLLEGE, Gower St., London, W.C.1. * (i) *Bayliss-Starling Memorial Scholarship* in Physiol. and/or Biochemistry, value £200 p.a. with remission of tuition fees, tenable for 1 to 3 yrs. at Univ. Coll. Candidates must be graduates of the Univ. of London or any other Univ. approved by the Coll. Committee for the purpose, or undergrads. of the Univ. of London or any other Univ. approved as aforesaid of suitable standing in Sci. or Med.

* † (ii) *Sharpey Physiological Scholarship*, value not less than £600 for 1 yr., renewable from yr. to yr. Purpose: to encourage research in Physiol. The Scholar assists in the teaching of Physiol.

Further particulars from the Registrar.

[246] MANCHESTER UNIV. * † ‡ (i) *Sybil Mary Pilkington Fellowship* for research into diseases of the blood with particular reference to the causation, treatment and cure of leukæmia in man. £700 p a., renewable for 2nd yr. or more, normally tenable at the above. Open to persons who have obtained a medical qualification registrable in the U.K., the Dominions or any other country. Last date for applications, June 1. Offered when funds permit.

* † ‡ (ii) *Robert Platt Scholarship* for research in Physiology, £90 for 1 yr., renewable for 2nd and possibly 3rd yr., normally tenable at the above. Open to candidates between 18 and 25 on Jan. 1 in yr. of award without further restrictions. Applications by June 20 in yr. of award. Next offer 1955.

Further particulars from the Registrar.

* † ‡ ROYAL SOCIETY. *Locke Research Fellowship, see under* Science (General) [278].

Preventive Medicine

[247] * † ‡ LONDON UNIV. *A. H. Bygott Scholarship.* 1 offered annually for the course for the Academic Diploma in Public Health. Value £200 with remission of tuition fees. Eligible for supplementation by Ministry of Education in certain circumstances.

The Scholp. is tenable at the London School of Hygiene and Tropical Medicine. Applicants must be registered medical practitioners. Pre-

ference given to those who are engaged in or intend to enter British local government public health service and to those who hold short-term service commissions in H.M. Forces. Applications to Dean, London School of Hygiene and Tropical Medicine, Keppel St., London, W.C.1.

[248] LONDON UNIV.: LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE, Keppel Street, London, W.C.1. * † ‡ (i) *Chadwick Bursary*, to encourage the study of Sanitary Science or Municipal Engineering. The recipients will be awarded a place in the course of study for the Academic Postgraduate Diploma in Public Health. Value £56 : 14s. Not awarded annually.

* † ‡ (ii) *Elliston Scholarships*. 2 Scholps., tenable for one session at the L.S.H.T.M., offered annually at the discretion of the School's Board of Management. Value £150 each with free tuition. Applicants must be registered medical practitioners who are engaged in or intend to enter the British local government public health service.

Further particulars may be obtained from the Dean.

[249] MANCHESTER UNIVERSITY. * † ‡ (i) *Sheridan Delépine Research Fellowship* in Preventive Medicine, £300 annually, normally tenable at the above. Open to graduates in Med. of any approved Univ. or to med. practitioners with approved registrable qualification. Next offer 1955. Applications by June 1.

* † ‡ (ii) *Dr. Robert Angus Smith Scholarship*, £150 for 1 yr., renewable, normally tenable at the above. For encouragement of research in Sanitary Science. Next offer 1955. Last date for applns., June 1.

Further particulars from the Registrar.

Tropical Medicine and Hygiene

[250] LONDON UNIV.: LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE, Keppel Street, London, W.C.1. * † ‡ (i) *Wandsworth Scholarship*, of varying amounts, plus overseas allowance, for research in Trop. Med. and Hygiene, for 1, 2 or 3 yrs. Preference given to a British subject.

* † ‡ (ii) *Tropical Diseases Research Fund.* This fund exists for the purpose of research work at home or abroad by the School in connexion with investigation into tropical diseases. Capital £30,000; income available about £900 p.a. Grants both of capital and income are applied to specific research in trop. diseases from time to time.

* † ‡ (iii) *Edward John Stanley Memorial Fund.* Capital £1750; the accumulated income is applied periodically, at the discretion of the Board of Management, in aid of specific pieces of research in trop. diseases.

* † ‡ (iv) *Avebury Memorial Fund.* Income approximately £65 p.a. for the creation of studentships or the making of grants for research work especially in the subject of Entomology.

* † ‡ (v) *Andrew Balfour Memorial Fund.* Available for the payment, or partial payment, of fees for a student wishing to attend an organized course of study in the School (usually the Conjoint Diploma in Tropical Medicine and Hygiene course) but unable to do so for financial reasons.

* † ‡ (vi) *Mansfield Aders Scholarships.* A reserve fund is provided for grants towards work in Entomology or Parasitology.

* † ‡ (vii) *Dalrymple Scholarship.* Income approximately £60 p.a. Available for original research work in Tropical Medicine for 1 yr. only to candidates of British birth or parentage.

* † ‡ ROYAL SOCIETY. *Other Funds, see under* Science (General) [278].

Tuberculosis

* † ‡ LIVERPOOL UNIVERSITY. *Ridgway Fellowship, see under* Medicine (Special Subjects)—Diseases of Children [222].

[251] * † ‡ WALES, UNIV. OF: WELSH NATIONAL SCHOOL OF MEDICINE. *Cecil Prosser Research Scholarship* in Tuberculosis, £250 for 1 yr., tenable at the Welsh National School of Medicine. Open to graduates of any approved Univ. or qualified med. practitioners. Applications to the Registrar, University Registry, Cathays Park, Cardiff.

Urology

[252] * † ‡ LONDON UNIV.: KING'S COLL. HOSPITAL MEDICAL SCHOOL. *John Everidge Research Fund* in Urology. The object of the fund is to provide financial assistance for the advancement of knowledge in genito-urinary and ancillary subjects—particularly research likely to enhance the diagnosis and therapy of diseases of this system. Open to all workers in this field whether medically qualified or not. Application to the Dean with sufficient information to enable the letter to be submitted to a cttee. for consideration.

14. PSYCHICAL RESEARCH

[253] * † ‡ CAMBRIDGE UNIV.: TRINITY COLL. *Perrott Studentship,* £300 p.a. or such smaller sum as the Electors may award for the study of Psychical Research, which is defined for the purpose of this studentship as "the investigation of mental or physical phenomena which seem *prima facie* to suggest (*a*) the existence of supernormal powers of cognition or action in human beings in their present life, or (*b*) the persistence of the human mind after bodily death." The studentship is awarded at intervals of not more than 3 yrs. if a satisfactory candidate is forthcoming. Any man or woman student may be a candidate who has completed his or her 21st yr. at the time when the election takes place, but the studentship will in no case be awarded to a candidate, other than a graduate of the Univ. of Cambridge, until he or she has had a personal interview with the Electors. Public notice of a forthcoming election is given at least 3 mos. before the time at which the election will take place.

15. SCIENCE (General)

[254] * † ABERDEEN UNIV. *Robbie Scholarships* in Chemistry, Mathematics or Natural Philosophy, maximum value of £300 p.a. for

1 yr., tenable within the Univ. Open to graduates of any British Univ. who are Protestants. Further particulars from the Secretary.

[255] * † ‡ BEIT FELLOWSHIP FOR SCIENTIFIC RESEARCH. At present £500 p.a. for 2 yrs. subject to report at end of 1st yr. Tenable at Imperial Coll. of Science and Technology, London, under supervision of a Prof. Fellow is required to devote his whole time to research and to hold no appointment, paid or unpaid, without sanction of the Trustees. Open to men or women under 25 yrs. of age, of European descent by both parents, who have taken a degree in any Univ. in the Commonwealth, or Diploma or Associateship of any Coll. approved by the Trustees. Not open to holders of any other Scholarship or Fellowship. Elections, advertised at least 3 mos. in advance, are made annually in July. Enquiries may be addressed to the Registrar of the Imperial Coll., South Kensington, London, S.W.7.

* † BELFAST, THE QUEEN'S UNIV. *Musgrave Research Studentships, see under* Medicine and Surgery (Special Subjects)—Pathology [239].

* † ‡ BIRMINGHAM UNIV. *Imperial Chemical Industries Ltd. Fellowships, see under* [268A]

[256] * BRITISH COTTON INDUSTRY RESEARCH ASSOCIATION. *Shirley Fellowships* for training in research methods in Pure Science, especially in those branches of prime interest to the Association. Value not less than £250 p.a., tenable at approved Univ. institutions in the United Kingdom, initially for 1 yr. but renewable. Open to graduates of U.K. Univs. who are of British nationality.

Applications should be made, through the Professor under whom the candidate proposes to work, to the Director of the Association, Shirley Institute, Didsbury, Manchester, not less than two months before the candidate desires to commence work.

[257] CAMBRIDGE UNIV. * † ‡ (i) *Imperial Chemical Industries Ltd. Fellowships, see under* [268A].

* † ‡ (ii) *Gordon Wigan Fund,* £370 p.a., for scientific education or research. Further particulars from the Secretary of the Council of the School of Biological Sciences, Dept. of Zoology.

[258] * † ‡ CAMBRIDGE UNIV.: CLARE COLL. *Denman Baynes Studentship* for research in Maths., Physics or Chemistry. Value, £100 p.a.; usually held for 2 yrs., open to grads. of any Univ., with preference to those of Cambridge and members of Clare Coll. Applications to the Master.

[259] * † ‡ CAMBRIDGE UNIV.: CORPUS CHRISTI COLL. *Plumian Research Scholarship.* Awarded once every 3 yrs. for research in Natural Sciences to a graduate of any Univ. in the United Kingdom or overseas who is a registered research student of the Univ. of Cambridge, or will be accepted as such. Such a person, being not already a member of Corpus Christi Coll., will be required to become a member on his election. The award may be held for 3 yrs. Further particulars from the Tutor.

[260] CAMBRIDGE UNIV.: GIRTON COLL. * † ‡ (i) *Scientific Research Fellowships* from *Tucker-Price and Carlisle Foundations.* Value

£300 p.a., with free residence for 3 yrs., for research in Mathematics, Natural Sciences, Engineering, Medicine, Veterinary Medicine, Experimental Psychology, Physical Geography, or Agriculture, normally tenable at Girton. Open to women graduates of any Univ. Tenure from Oct. 1. One Fellowship offered 1955. Applications by Jan. 15.

* † ‡ (ii) *Tucker-Price Studentships* for research in Mathematics, Natural Sciences, and Geography, value £15-£60 each, tenable for 1 yr. at Girton. Usually open to women graduates of any Univ. One or more offered annually. Closing date usually May 20.

* † ‡ (iii) *Ethel Sargant Studentship, see under* Science (Botany) [290].

Further particulars from College Secretary.

† CANADIAN FEDERATION OF UNIVERSITY WOMEN. *Travelling Fellowship, see under* General [15].

* CARNEGIE TRUST FOR THE UNIVERSITIES OF SCOTLAND. *Fellowships* and *Scholarships, see under* General [19].

COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH. † (i) *Burmah-Shell Scholarships, see under* General [19].

† (ii) *Assam Oil Co. Scholarships, see under* General [19].

[261] * † ‡ COURTAULDS' SCIENTIFIC AND EDUCATIONAL TRUST FUND. *Postgraduate Research Scholarships* in branches of Science and Technology (including the cognate branches of Engineering) which are related to the Textile, Plastics or allied industries. Value £400 p.a. for 1 yr., with possibility of renewal in special circumstances. Preference given to candidates in 2nd yr. of research. Announced in Press annually in Dec. Awards made in April of each yr. Applications by mid-Feb. to Secretary, Courtaulds' Scientific and Educational Trust Fund, Courtaulds Ltd., Foleshill Rd., Coventry.

[262] * DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Charles House, 5-11 Regent Street, London, S.W.1, makes grants to research workers, engaged mainly in Univs. and Colls., under the following headings: (*a*) *Maintenance allowances* to students to enable them to undergo training in research in pure and applied science and in technology; (*b*) *Senior Research Awards* (strictly limited in number) to enable young investigators of exceptional promise and proved capacity to devote their whole time to original research; (*c*) *Grants* to investigators of acknowledged standing to enable them to develop lines of research of exceptional timeliness and promise.

The scheme of grants to research workers and students is designed to meet the need for a larger number of trained scientific investigators for industrial research and for Government research, and is intended to supplement existing provision for postgraduate research. The grants are restricted in all cases to British subjects. Applicants for all three types of grants must be normally resident in Great Britain. Full particulars are given in the pamphlet, *Notes on Grants Awarded by the Department of Scientific and Industrial Research to Research Workers and Students*, obtainable from H.M. Stationery Office, York House, Kingsway, London, W.C.2, price 6d.

* † ‡ DEVELOPMENT COMMISSIONERS. *Postgraduate Training Grants* in Fishery Research, *see under* Fisheries [185].

[263] DURHAM UNIV. * † ‡ (i) *Imperial Chemical Industries Ltd. Fellowships, see under* [268A].

* † ‡ (ii) *Turner and Newall Ltd. Fellowships, see under* [281A].

[264] * † ‡ DURHAM UNIV.: THE DURHAM COLLS. *Research Fellowship* in Pure Science, £600 for 2 yrs., renewable for a further yr., tenable in the Faculty of Science. Open to graduates of any Univ., preferably with research experience. Further particulars from the Secretary, 38 North Bailey, Durham.

[265] * † ‡ DURHAM UNIV.: KING'S COLL., Newcastle upon Tyne. *George Angus Studentships*, £350 p.a., tenable at King's Coll., normally for 2 yrs. Purpose: to encourage and assist research in Chemistry, Physics and Mechanical Engineering. Applications to Registrar by January 31 in each yr.

[266] EDINBURGH UNIV. * † ‡ (i) *Dewar Research Fellowship*, £450-£500 p.a. for 3 yrs. Open to graduates of any Univ. The holder must himself engage in research in Chemistry, or in Physics, or preferably in a field common to these subjects at Edinburgh Univ., and must direct the research of postgraduate students in the subject of his own researches. He may also be invited to deliver annually a short course of lectures in his field of study.

* † ‡ (ii) *Imperial Chemical Industries Ltd. Fellowships, see under* [268A].

* † ‡ (iii) *Richard Brown Scholarship, see under* General [21].

[267] * † ‡ EXETER, UNIV. COLL. OF THE SOUTH-WEST OF ENGLAND. *Andrew Simons Graduate Scholarships.* Awarded as one or two Graduate Scholps. in Science (value not less than £60) tenable at the Coll. and restricted in the first instance to students who have graduated at the Coll. Failing suitable candidates, they may be awarded to graduates of any recognized Univ. Scholps. are normally eligible for supplementation by the Ministry of Education.

Further particulars from the Academic Secretary.

* † ‡ GLASGOW UNIV. *Imperial Chemical Industries Ltd. Fellowships, see under* [268A].

[268] * † ‡ HULL UNIV. *Research Studentships*, £300 p.a. for 1 yr. in the first instance, renewable for a 2nd yr. Open to graduates of any Univ. who hold good honours degrees. Successful applicants may be required to assist in demonstrating to students.

Further particulars from the Registrar.

[268A] * † ‡ IMPERIAL CHEMICAL INDUSTRIES LTD. *Fellowships* for research in Physics, Chemistry, Engineering, Metallurgy, Pharmacology, Biochemistry, and certain related subjects. Usual value, within range £600-£900 p.a. Normal tenure 3 yrs.; may be renewed for 1 or more yrs. Tenable at the Univs. of Birmingham, Cambridge, Durham, Edinburgh, Glasgow, Leeds, Liverpool, London, Manchester, Oxford and Wales. Further particulars from, and applications to, the Registrar

or Secretary of the Univ. at which it is desired to hold the Fellowship (Cambridge: Secretary-General of the Faculties; London: Academic Registrar).

[269] * † ‡ LADY TATA MEMORIAL TRUST. Founded by the late Sir Dorabji Tata of Bombay as a memorial to his wife, the late Lady Tata. Provision is made for the award of *Research Grants, Scholarships, Fellowships* or *Prizes*. The Trustees are advised by a Scientific Advisory Committee having its headquarters in London and by an Indian Committee in Bombay. One-fifth of the net annual income is earmarked for the encouragement of scientific research by Indians in India or abroad, and the rest is to be used to assist research on diseases of the blood, with special reference to leukæmia: the assistance may take the form of grants, scholarships or, in rare cases, prizes; senior research fellowships may also be awarded; the awards are open to persons of any nationality and in any country. Further particulars about the international awards may be obtained from the Secretary of the Scientific Advisory Committee of the Trust, 38 Old Queen Street, London, S.W.1. Candidates for the special awards to Indians should apply direct to the Secretary of the Trust, Bombay House, Bruce Street, Fort, Bombay.

[270] LEEDS UNIV. * † ‡ (i) *Henry Ellison Senior Fellowships* for the promotion of research in pure and applied Chemistry and in Physics in the Univ., £300 p.a., normally tenable for 1 yr. Open to graduates of any Univ.

* † ‡ (ii) *Imperial Chemical Industries Ltd. Fellowships, see under* [268A].

* † ‡ (iii) *Turner and Newall Ltd. Fellowships, see under* [281A].

Further particulars from the Registrar.

* † LEICESTER UNIV. COLL. *Research Scholarships, see under* General [30].

LIVERPOOL UNIV. * † ‡ (i) *Imperial Chemical Industries Ltd. Fellowships, see under* [268A].

* † ‡ (ii) *Leverhulme Postgraduate Fellowships* in Fac. of Science. Similar conditions as for Fellowships in Arts, *see under* Arts (General) [94].

[271] LONDON UNIV. * † ‡ (i) *Dixon Fund for assisting Scientific Investigations*. Income available for grants—about £250. Applications receivable by the Academic Registrar (from whom further particulars can be obtained) not later than March 31, Aug. 31 and Nov. 30 in each year. Full information required as to nature and objects of research proposed, estimated amount required (detailed estimate to be given), any previous grant received for same object, any apparatus of permanent value needed. Names of two referees to be given. Grants are made from the fund three times yearly by the Senate for purchase primarily of apparatus and materials of a special nature to be used in scientific investigation. Instruments and specimens of permanent value purchased out of grants to be returned to the Univ. Published results of researches must contain a reference to the Fund, and 2 copies be

supplied to the Univ. Preference given to applicants who are graduates of the Univ. or who undertake to work in a Dept. or School of the Univ. or other Instn. connected therewith.

* † (ii) *Keddey Fletcher-Warr Studentship* for postgraduate research in Science to be conducted in the British Isles or other approved place. Value not less than £300 p.a. for 3 yrs., renewable. Open to men and women of European descent who are graduates of some British Univ. or have qualified for such graduation, but preference is given, other things being equal, to a graduate of London of small or no private means Awardable from time to time as notified in the public press.

* † ‡ (iii) *Imperial Chemical Industries Ltd. Fellowships, see under* [268A].

* † ‡ (iv) *Turner and Newall Ltd. Fellowships, see under* [281A].

Further particulars in each case from the Academic Registrar, Univ. of London, Senate House, London, W.C.1.

[272] MANCHESTER UNIV. * † ‡ (i) *Imperial Chemical Industries Ltd Fellowships, see under* [268A].

* † ‡ (ii) *Turner and Newall Ltd. Fellowships, see under* [281A].

* † (iii) *Research Studentships* in Science. Offered annually for competition of candidates who hold at time of election the degree of Bachelor or Master of a British Univ. other than Manchester. Normal value £300 p.a., and normally tenable for 3 yrs. for full-time research, leading to a higher degree of Manchester Univ. in a subject within the purview of the Faculty of Science. Holders may be permitted to undertake a limited amount of teaching in the Univ. Applications by July 1.

* † ‡ (iv) *J. R. Ashworth Research Scholarships* for research in Physical Science, Electrotechnics and Meteorological Science; offered annually; £40 p.a., tenable for 1 yr., renewable for 2nd yr. Open to men only. Applications by July 1.

Further particulars from the Registrar.

† MELBOURNE UNIV. *Sir Arthur Sims Travelling Scholarship, see under* General [39].

[273] † NATIONAL RESEARCH COUNCIL OF CANADA. *Scholarships* open to Canadian students for postgraduate training and research experience in Science, Medical and Dental Research, Engineering and Applied Psychology. Normally tenable at Canadian Univs., but a limited number of awards made each year for advanced study outside Canada. These include Special Scholarships at the predoctoral level and some travelling fellowships for postdoctorate study overseas. Further particulars from the Secretary, Laboratory Awards Committee, National Research Council, Ottawa, Canada.

[274] NEW ZEALAND DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. † (i) *National Research Scholarships, see* Appendix III [405]. (ii) *National Research Fellowships.* 2 awarded annually to selected N.Z. science graduates who have postgraduate scientific experience, for study at N.Z. or overseas institutions. Tenable for 1 yr. with possi-

bility of extension for 1 addl. yr. Value £500 p.a. plus £100 towards travelling expenses from and to N.Z. In addition, up to £50 may be paid towards cost of books, apparatus and college fees. Enquiries should be addressed to the Secretary, Dept. of Scientific and Industrial Research, Wellington, N.Z.

* † ‡ NORTH STAFFORDSHIRE UNIV. COLL. *Research Studentships, see under* General [41].

[275] NOTTINGHAM UNIV. * † (i) *Carr Scholarship* for research in Geology, Botany or Entomology, £300 p.a., tenable at the University for 1 or 2 yrs. Open to graduates of Univs. in Gt. Britain and Ireland and of British Univs. overseas.

* † ‡ (ii) *Postgraduate Studentships* and *Research Fellowships, see under* General [42].

Further particulars from the Registrar.

† NUFFIELD FOUNDATION. *Dominion Travelling Fellowships, see under* General [43].

[276] OXFORD UNIV. * † ‡ (i) *Imperial Chemical Industries Ltd. Fellowships, see under* [268A].

* † ‡ (ii) *Pressed Steel Co. Ltd. Research Fellowships*, normally for 3 yrs. in the first instance, stipend between £600 and £1400 p.a. plus children's allowances and superannuation. Further particulars from the Registrar, University Registry, Oxford.

[277] ROYAL COMMISSION FOR THE EXHIBITION OF 1851 offers: * † (1) *Science Research Scholarships for Overseas Universities* (10), to enable selected students who have already completed a full Univ. course and given sufficient evidence of capacity for scientific investigation to devote themselves for 2 yrs. to research work under conditions most likely to equip them for practical service in the scientific life of the Commonwealth. Value £450 p.a., with supplements in certain cases. Tenable ordinarily for 2 yrs., and in exceptional cases for 3 yrs., at any institution approved by the Commrs., but not, except in very special circumstances, in the country in which the scholar has received his scientific education; open to British subjects aged (except in very special circumstances) under 26 yrs. At present 10 (Canada 3, Australia 2, S. Africa, N.Z., Republic of Ireland, India and Pakistan, 1 each) are offered annually; recommendations for Scholarships offered for 1955 are receivable by March 21, 1955, from the following Univs.: Alta., Br. Col., Dal., Laval, McG., McM., Manit., Mt. All., Queen's (Ont.), Sask., Tor., W. Ont. and any of the Univs. of Australia, N.Z., S. Africa, Republic of Ireland, India and Pakistan possessing postgraduate departments of science. A scholar is not permitted to hold any position of emolument likely to conflict with the devotion of his whole time to the objects of the scholarship, nor to accept any additional emoluments without the previous consent of the Commrs. Women are eligible on equal terms.

* † (ii) *Senior Studentships* (4), each of £600 p.a., with supplements in certain cases, for 2 yrs. or, in special cases, for 3 yrs.; open to British

subjects not (except in very special circumstances) more than 30 yrs. of age, on recommendation, receivable up to May 1, by Profs. and Heads of Depts. through the executive authorities of such Univ. and other institutions in the United Kingdom as may be invited by the Commrs. to nominate; tenable at any institn. at home or abroad approved by the Commrs. The student is not permitted to undertake any work likely to conflict with the devotion of his whole time to the objects of the studentship, but a limited amount of time may, with the approval of the Commrs., be spent in delivering an advanced course of lectures. He is not debarred from holding another position of emolument, but in such cases the Commrs. may modify the value of the studentship. Women are eligible on equal terms.

Address of the Sec. to the Commrs., 1 Lowther Gardens, Exhibition Rd., London, S.W.7.

[278] ROYAL SOCIETY, Burlington House, Piccadilly, London, W.1.

* † ‡ (i) *Mackinnon Research Studentship* for "furthering Natural and Physical Science, including Geology and Astronomy, and . . . original research and investigation in Pathology," £500 p.a., tenable at any place approved by the Council of the R.S., in the first instance for 2 yrs., but renewable in exceptional cases from year to year. Open to graduates of any Univ.

* † (ii) *Smithson Research Fellowship* in Natural Science. The Royal Society hold the capital of the Fund in trust. The income is administered by a Joint Committee of the Society and the Univ. of Cambridge. The Fellowship, £900 p.a. with superannuation provision, is open normally to British subjects of either sex, including subjects of the Dominions and Colonies; but the Committee may, in special circumstances, invite a foreigner of scientific distinction to apply. Preference to candidates not over 35 yrs. of age. The holder will work in the Univ. of Camb. if appropriate laboratory accommodation is available. Appointment for 4 yrs. in first instance, may be renewed annually up to maximum period of 8 yrs.

* † ‡ (iii) *Sorby Research Fellowship* for original scientific research, £1100 p.a., tenable ordinarily in the Univ. of Sheffield for 5 yrs., renewable for further periods. No permanent duties outside the research work may be undertaken. Appointments are made by a Committee composed of 4 persons appointed by the Council of the R.S. and 3 appointed by the authorities of the Univ. of Sheffield.

* † ‡ (iv) *Locke Research Fellowship* for research in the general field of experimental physiology and pharmacology; £1250 p.a., tenable at any place approved by the Council of the Royal Society, in the first instance for 2 yrs., but may be renewed annually for such periods as Council may determine. Open to graduates of any Univ.

For all the above appointments applications are invited by public advertisement.

* † ‡ (v) *Warren Fellowships* in Metallurgy, Engineering, Chemistry and Physics, value not less than £500 p.a., tenable at any place approved by the Council of the R.S. Open to British subjects.

The foregoing awards, unless otherwise stated, are open to qualified

persons, irrespective of nationality, but in practice are generally awarded to British nationals.

* † ‡ (vi) *Scientific Relief Fund* (income about £1600 p.a.) to aid scientific men or their families requiring assistance.

* † ‡ (vii) *Other Funds*: Browne, for assisting marine expeditions and marine biological research; Forsyth for medical research; Medical Research, with particular reference to tropical diseases in British possessions; Messel, for scientific research; Dewrance, for experimental research; General Research and Gunning, both for research in physical science and biology; Pedler, chemistry; Tyndall Mining Research, mining, ventilation, temperature and disease incidental to miners.

* (viii) *Government Grant for Scientific Investigations*, advertised thrice annually in time for applications to be received by March 31, July 31 and Nov. 20. Only British subjects are eligible.

* † (ix) *Rutherford Scholarship*. Open to graduates, under 26, of a Univ. in the British Commonwealth. For research in any branch of the Natural Sciences, but some preference for work in Experimental Physics. Tenable for 3 yrs. in some part of the British Commonwealth other than that in which the applicant graduated. Value varies according to circumstances of appointment but, if held in the U.K., will be not less than £450 p.a. Additional allowances may be granted for travel, Univ. fees, etc. Applications from Univ. graduates outside the U.K. should be made *through their Univs.* to the Royal Commission for the Exhibition of 1851. Applications from Univ. graduates in the U.K. should be made to the Asst. Secretary, Royal Society, Burlington House, London, W.1.

* † ‡ (x) *Mr. and Mrs. John Jaffe Donation Studentship* for original scientific research. Value: £500 p.a.; preference given to applicants under 27 yrs. of age.

[279] * † ‡ ROYAL SOCIETY AND NUFFIELD FOUNDATION. *Commonwealth Bursaries.* "For encouraging the efficiency of scientists of proven worth from Commonwealth countries overseas by enabling them to pursue research, learn techniques or follow other forms of study where the environment in the United Kingdom is peculiarly favourable." Travel and maintenance at the rate of about £600 p.a. are provided for periods of 2 to 12 mos. Applications by March 15 and Sept. 15 each yr. to the Asst. Secretary, Royal Society, from whom forms of application and further particulars may be obtained.

[280] SHEFFIELD UNIV. * † ‡ (i) *Sorby Research Fellowship*, £1100 p.a., tenable at the Univ. of Sheffield for 5 yrs., renewable. Open to graduates of any recognized Univ. Appointment is made by a Committee consisting of representatives of the Royal Society and of the Univ., with the object of obtaining advances in natural knowledge by enabling men of proved ability to devote themselves to research. Last award 1951.

* † (ii) *Ellison Fellowships* (4), £260 upwards p.a., with remission of fees, to provide training in research methods for promising students in Chemistry and Physics with a view to stimulating fundamental research in these subjects; tenable at the Univ. for 3 yrs. Open to graduates of

Univs in Gt. Britain and Ireland and of British Univs. overseas. In default of suitable candidates in Chemistry and Physics awards may also be made in Engineering.

Further particulars in each case from the Registrar.

[281] * † ‡ SOCIETY OF CHEMICAL INDUSTRY, 56 Victoria Street, London, S.W.1. *John Gray Jubilee Scholarship*, £150 for 1 yr., tenable at an approved Univ. or Technical Coll. May be held in addition to any other scholp. or bursary. Open to graduates in Science of any Univ. who intend to enter industry. Those awaiting the result of final examinations may also apply. Preference will be given, other qualifications being equal, to the son of a member of the Society. Further particulars from the General Secretary.

* † ‡ TEXTILE MACHINERY MAKERS, LTD. *Sir Walter Preston Postgraduate Scholarships* and *Research Fellowships*. *See under* Applied Science and Technology [84].

[281A] * † ‡ TURNER AND NEWALL, LTD. *Fellowships* for research in Engineering, Inorganic Chemistry, or Physics, or in an allied science. Usual value £800 p.a. Usually tenable for 3 yrs.; may be renewed for further period. Tenable at the Univs. of Durham, Leeds, London, and Manchester. Open to men and women graduates of any Univ. who are qualified to undertake research. Further particulars from, and applications to, the Registrar of the Univ. at which it is desired to hold the Fellowship (London: Academic Registrar.)

* † ‡ WALES, UNIV. OF. *Imperial Chemical Industries Ltd. Fellowships, see under* [268A].

16. SCIENCE (Special Subjects)

Astronomy

[282] * † OXFORD UNIV.: BALLIOL COLL. *Henry Skynner Senior Studentship* for the study of Astronomy and branches of Mathematics and Natural Science connected therewith, £200 p.a. for 1 yr., renewable. Open to graduates of Univs. within the British Commonwealth.

Further particulars from the Senior Tutor.

* † ‡ ROYAL SOCIETY. *Mackinnon Research Studentship, see under* Science (General) [278].

Biochemistry

* † ABERDEEN UNIV. *Georgina McRobert Research Fellowship, see under* Medicine and Surgery (Special Subjects)—Cancer [215].

* † ‡ IMPERIAL CHEMICAL INDUSTRIES LTD. *Fellowships, see under* Science (General) [268A).

[283] † LIVERPOOL UNIV. *Johnston Colonial Fellowship* in Biochemistry, about £400 for 1 yr. but may be renewed for a 2nd yr. Failing a candidate in Biochem., the Profs. of Pathol. and Physiol. shall be invited to nominate a candidate. Open in the first place to members of Colonial Univs. and Med. Schools (without, however, excluding Colonials who may possess British qualifications). Except with the

permission of the Senate, research must be carried out in the Univ. or in hospitals or other institutions approved by the Faculty of Med. Applications to be sent to the Dean of the Fac. of Med. not later than June 27.

[284] * † LONDON UNIV.: IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. *Henry George Plimmer Fellowship* for research in morbid anatomy, histological anatomy, chemical pathology, protozoology, bacteriology, and allied subjects in either zoology, medicine or botany, value about £200 p.a., tenable at a recognized instn. at home or abroad under the general supervision of the Biological Departments of the Coll. Award ordinarily for 1 or 2 yrs., but may be indefinitely prolonged. Candidates must be of British nationality.

Further particulars from the Registrar, Imperial Coll., London, S.W.7.

[285] * † ‡ LONDON UNIV.: KING'S COLL. HOSPITAL MEDICAL SCHOOL. *Miles-Ames Research Fellowship.* For full-time research in the field of Endocrinology. The holder will be appointed annually for a period of up to 3 yrs.; in exceptional circumstances appointment may be extended. Commencing salary ordinarily not less than £750 p.a. The post is superannuable. Further particulars from the Secretary.

[286] LONDON UNIV.: LISTER INSTITUTE OF PREVENTIVE MEDICINE, Chelsea Bridge Road, S.W.1. * † (i) *Grocers' Company Research Studentship* in Biochemistry, £350 p.a., tenable at the above Institute for 1 yr., with possible extension for 2nd yr. at £400. Open to British subjects. Vacancies advertised in appropriate journals.

* † (ii) *Morna Macleod Scholarship* in Biochemistry, £300 p a., tenable at the above Institute for 1 yr., with possible extension for 2nd and 3rd yrs. Candidates must be of Scottish descent. Vacancies advertised in appropriate journals.

* LONDON UNIV.: UNIVERSITY COLL. *Bayliss-Starling Memorial Scholarship, see under* Physiology [245].

Biology

* † ABERDEEN UNIV. *Georgina McRobert Research Fellowship, see under* Medicine and Surgery (Special Subjects)—Cancer [215]

* † BELFAST, THE QUEEN'S UNIV. *Musgrave Research Studentships, see under* Medicine and Surgery (Special Subjects)—Pathology [239].

[287] CAMBRIDGE UNIV * † ‡ (i) *Balfour Studentship* in Biological Research, especially in Animal Morphology, about £300 p.a. for 3 yrs.; tenable normally at Cambridge. Open to graduates of any Univ. Offered triennially or as casual vacancies occur.

* † ‡ (ii) *Balfour Memorial Fund.* Grants may be made from this fund for original research in Biology, especially Animal Morphology, to the Balfour Student or to any other person engaged in such research.

Further particulars from the Secretary of the Faculty Board of Biology "A," Dept. of Botany.

[288] * † ‡ CAMBRIDGE UNIV.: NEWNHAM COLL. *Wheldale-Onslow Memorial Fellowship,* £300 p.a. for 3 yrs., tenable at Newnham Coll.

Open to women of any nationality for research work in biological science, preference being given to work in plant biochemistry. Awarded on dissertation or other written work. Applications to the Principal before March 1. Awarded from time to time as funds permit.

* † ‡ EMPIRE COTTON-GROWING CORPORATION. *Postgraduate Studentships, see under* Agriculture, Veterinary Science, etc. [61].

* † NOTTINGHAM UNIV. *Carr Scholarship, see under* Science (General) [275].

[289] * NUFFIELD FOUNDATION, Nuffield Lodge, Regent's Park, London, N.W.1. *Biological Scholarships and Bursaries.* To enable selected persons who have graduated in Physics, Chemistry, Maths. or Engineering to receive such training in Biology as will enable them to undertake research and teaching in the U.K. in the biological sciences. Open to either sex; usual age limits, 22-35. Tenable for 1 yr.; renewable up to maximum of 3 yrs. Normal value of Scholp., £500-£600 p.a. plus fees; of bursary, £350 p.a. plus fees. Applications by April 1. Further particulars from Director at above address.

* † ‡ ROYAL SOCIETY. *Other Funds, see under* Science (General) [278].

Botany

[290] * † ‡ CAMBRIDGE UNIV.: GIRTON COLL. *Ethel Sargant Studentship* for research in Natural Sciences, preferably in Botany, value £15-£60, tenable for 1 yr. at Girton. Usually open to women graduates of any Univ. Offered annually. Closing date usually May 20. Further particulars from College Secretary.

* † ‡ DURHAM UNIV.: THE DURHAM COLLS. *Research Fellowship* in Pure Science, *see under* Science (General) [264].

[291] * † ‡ MANCHESTER UNIV. *Grisedale Scholarship* for biological research, £300. Awarded at such times as funds permit. In either Botany or Zoology, for 1 yr., renewable for a 2nd yr., normally tenable at the above. Open to persons who have studied Bot. or Zool. in Manchester Univ. or in some other approved instn. Next offer 1955. (Preference to Zoology). Last date for applns., June 1. Further particulars from the Registrar.

* † NOTTINGHAM UNIV. *Carr Scholarship, see under* Science (General) [275].

Chemical Engineering

[292] BIRMINGHAM UNIV. * † ‡ (i) *Research Scholarships* in Chemical Engineering and Petroleum Production, 2 or more each yr., commencing value £245-£285 p.a., with remission of tuition and examination fees; may be renewed for 2 further yrs. Candidates must possess a Univ. degree or equivalent in Science; preference to those with industrial experience.

* † ‡ (ii) *Anglo-American Studentship*, £350 p.a., with remission of tuition fees, normally for 1 yr., renewable for a further yr. at £400,

tenable at the Univ. of Birmingham. Candidates must have a Univ. degree with Chem. or Engin. as principal subject together with industrial experience in the Chemical Engin. field. Further particulars from the Registrar.

[293] CAMBRIDGE UNIV. * † ‡ (i) *Shell Chemical Engineering Studies Fund.* Grants or Research Studentships may be awarded.

* † ‡ (ii) *Esso Studentship.* For study and training for research. Open to candidates domiciled in Gt. Britain or N. Ireland at time of application.

Further particulars from Professor of Chemical Engineering.

* † CAMBRIDGE UNIV.: ST. CATHARINE'S COLL. *Permutit Senior Studentship, see under* Science (Special Subjects)—Chemistry [299].

[294] * GAS COUNCIL. *Scholarships* (5 each yr.) tenable for 3 yrs. at the Univs. of Oxford (Depts. of Chemistry), Cambridge (Dept. of Chemical Engineering), London (Dept. of Chemical Engineering, Imperial College of Science and Technology or University College), Birmingham (Dept. of Chemical Engineering), Glasgow (Dept. of Chemistry). Open to students who are British subjects and have recently graduated in a British Univ. with Hons. in Physics, Chemistry or Engineering and who possess a capacity for original work. Value, £350 p.a. plus certain fees. Subject proposed for research must afford scope for original work and be approved by Research Cttee. of the Gas Council which is interested in problems related to the manufacture, distribution or use of gas. Further information from the Secretary, Gas Council, 1 Grosvenor Place, London, S.W.1.

[295] LONDON UNIV.: IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY, London, S.W.7. * † ‡ (i) *Leverhulme Studentship* in Chemical Engineering, £400 p.a., tenable at Imperial College for 1 yr., renewable for 2nd yr. Open to candidates possessing a degree or diploma in Chemistry, Engineering, Chemical Engineering or other cognate subject.

* † ‡ (ii) *Postgraduate Bursaries* in Engineering, *see under* Engineering (General) [164].

* † ‡ (iii) *Royal Dutch Shell Postgraduate Scholarships.* £300 p.a. plus College fees. For postgraduate advanced study or research in Chemical Engineering. Candidates must have obtained a good Honours degree in Chemistry, Physics, Chemical or other branch of Engineering. Applications before June 1.

* † ‡ (iv) *Esso Studentship.* £350 p.a. plus College fees. For Postgraduate work in Chemical Engineering. Candidates must have an Honours degree in Chemistry or Engineering. Election is advertised. Further particulars from the Registrar.

[296] LONDON UNIV.: KING'S COLL., Strand, London, W.C.2. * † ‡ (i) *Leverhulme Studentship* in Chemical Engineering, value £400 for 1 yr., renewable for a 2nd yr. Candidates must be graduates of any Univ. with (*a*) a Science degree with Chemistry as principal subject, *or* (*b*) an Engineering degree or diploma and with Chemistry to London Intermediate standard, *or* (*c*) equivalent qualifications, and must have already received a general training in the principles of Chemical Engin-

eering. The holder will be required to pursue a prescribed course of study or research, or to conduct original research in Chemical Engineering.

* † ‡ (ii) *Shell Studentships* in Chemical Engineering. Normal value, £350 p.a. plus fees. Qualifications as for the Leverhulme Studentship (*see above*) except that no previous training in Chemical Engineering is necessary. Holders may take course for College Diploma in Chemical Engineering, or may work in that Dept. for a higher degree. Applications to the Registrar by May 15.

[297] LONDON UNIV.: UNIV. COLL., Gower St., London, W.C.1. * (i) *Leverhulme Studentships* in Chemical Engineering (2), value £400 each for 1 yr., renewable for 2nd yr. Candidates must be holders of a good Univ. degree with Chem. or Engin. as principal subject and must either be engaged in or be definitely preparing to enter the chem. industry, and have adequate knowledge, practical or otherwise, of factory or business conditions. The holders may take the ordinary course of study for the Coll. Dipl. in Chem. Engin. or a special course in the subject or carry out orig. research at Univ. Coll. Applications not later than May 15 to the Registrar.

* (ii) *Esso Postgraduate Studentship*. Value, £350 for 1 yr. with remission of certain fees, renewable for 2nd yr. To enable graduates in Chemistry or Engineering to obtain advanced training in the principles and practice of Chemical Engineering in the Ramsay Memorial Lab. of Chem. Engin. at University Coll. Candidates must either be engaged in, or be definitely preparing to enter, the petroleum or chemical industry.

* (iii) *Shell Postgraduate Studentships*. Value, £350 for 1 yr., renewable for 2nd yr. To enable graduates in Chemistry or Engineering to obtain advanced training in the principles and practice of Chemical Engineering in the Ramsay Memorial Lab. of Chem. Engin. at University Coll. Candidates must either be engaged in, or be definitely preparing to enter, the chemical industry.

* † ‡ SALTERS' INSTITUTE OF INDUSTRIAL CHEMISTRY. *Salters' Scholarship* and *Fellowship*, *see under* Applied Science and Technology [80].

* † ‡ TEXTILE MACHINERY MAKERS, LTD. *Sir Walter Preston Postgraduate Scholarships* and *Research Fellowships*, *see under* Applied Science and Technology [84].

Chemistry

* † ABERDEEN UNIV. *Robbie Scholarships* in Chemistry, *see under* Science (General) [254].

* † BELFAST, THE QUEEN'S UNIV. *Musgrave Research Studentships*, *see under* Medicine and Surgery (Special Subjects)—Pathology [239].

[298] * † ‡ BIRMINGHAM UNIV. *Priestley Scholarships* in Chemistry (2), £245-£285 p.a., with remission of tuition and examination fees, tenable for 1 yr., at the Univ. of Birmingham, renewable in special circumstances. Open to graduates of any Univ., but preference is given to present or past students of Birmingham Univ. Normally only

candidates who have completed an approved 3-yr. course of study in Chemistry and allied Sciences are accepted.

Further particulars from the Registrar.

* † BRITISH IRON AND STEEL RESEARCH ASSOCIATION. *Bursaries, see under* Applied Science and Technology [72]

* † ‡ CAMBRIDGE UNIV.: CLARE COLL. *Denman Baynes Studentship, see under* Science (General) [258].

[299] * † CAMBRIDGE UNIV.: ST. CATHARINE'S COLL. *Permutit Senior Studentship* for research in Chemistry, Engineering or Chemical Engineering, with the object of studying recent developments in these subjects and their applications to industrial concerns. Value not more than £750 p.a.: certain allowances for children and travelling may be paid. Candidates should have had some experience in industry and should hold an Honours Degree in the appropriate subject from a Univ. within the British Commonwealth, or some equivalent qualification.

[300] * † ‡ CAMBRIDGE UNIV.: TRINITY HALL. *Research Studentships* (two in all) in Surface Chemistry, endowed by the Consolidated Zinc Corporation. Value: Univ. and Coll. fees, and a sufficient maintenance grant related to the standing and circumstances of the holder. Tenure from Oct. 1.

[301] * † CHEMICAL SOCIETY, Burlington House, London, W.1. The *Research Fund* of the Chemical Society was estabd. in 1876 to assist investigators by defraying the cost of expensive materials. The income from the Fund, incl. that from the donation of the Goldsmiths' Company and from the Perkin Memorial Fund, amounts to about £700 a yr. The Committee meets in June and Nov. to consider applications for grants. The income from the Goldsmiths' donation is mainly devoted to the encouragement of research in Inorg. and Metallurgical Chemistry, and that from the Perkin Memorial Fund for investigations connected with the Coal Tar and allied industries. Further particulars from General Secretary of Society.

[302] * † CORDAY-MORGAN MEMORIAL FUND EXECUTIVE. *Corday-Morgan Commonwealth Fellowship* (Inter-Commonwealth post-doctorate fellowship), value £700 p.a. Tenable for 1 yr. only. The Executive will specify each yr. the Commonwealth country from which the applicant will be selected and the part of the Commonwealth in which the award will be tenable. Particulars from the Secretary, Corday-Morgan Memorial Fund Executive, c/o the Chemical Society, Burlington House, London, W.1.

* † ‡ DURHAM UNIV.: THE DURHAM COLLS. *Research Fellowship* in Pure Science, *see under* Science (General) [264].

DURHAM UNIV.: KING'S COLL., Newcastle upon Tyne. * † ‡ (i) *Wood-Watson-Donnini Memorial Postgraduate Scholarship in Metallurgy or Chemistry, see under* Science (Special), *Metallurgy* [316].

* † ‡ (ii) *George Angus Studentships, see under* Science (General) [265].

* † ‡ EDINBURGH UNIV. *Dewar Research Fellowship, see under* Science (General) [266].

* GAS COUNCIL. *Scholarships, see under* Chemical Engineering [294].

[303] * GLASGOW UNIV. *Coats Fellowship.* £300 p.a., with £50 for incidental expenses, tenable for 2 yrs. Open to graduates in Science, of at least 1 yr.'s standing, of any United Kingdom Univ. For research in Chemistry or Physics (excluding Nuclear Physics). The Fellow will be required to pursue within the Univ. of Glasgow a course of research approved by the Hd. of the Dept. concerned. Applications to Clerk of Senate by May 31. Next award 1956.

* † ‡ IMPERIAL CHEMICAL INDUSTRIES LTD. *Fellowships, see under* Science (General) [268A].

[304] * † ‡ LEEDS UNIV. (i) *Henry Ellison Senior Fellowships, see under* Science (General) [270].

* † ‡ (ii) *Lowson Scholarship,* £60 p.a., open to graduates of Leeds or any other Univ. for research in some analytical problem in the Dept. of Inorganic and Physical Chemistry in Leeds Univ. Tenable for 1 yr., renewable. Further particulars from Registrar.

† IMPERIAL OIL LTD. *Fellowships, see under* General [25].

[305] * † ‡ MANCHESTER UNIV. *Sir Clement Royds Memorial Scholarship* in Chemistry, £200 for 1 yr., offered annually, normally tenable at the above. Open to British subjects of Brit. descent born in or inhabitants of Lancashire, with preference to candidates born in or inhabitants of Rochdale. Next offer 1955. Last date of appln., June 1. Further particulars from the Registrar.

[306] * † ‡ RAMSAY MEMORIAL FELLOWSHIPS. The Trustees (Chairman, Sydney Barratt, B.A.; Joint Hon. Secs., E. A. L. Gueterbock and Prof. E. D Hughes, University College, London, Gower St., W.C.1) award from time to time 2 *Fellowships,* value £400 p.a. with an additional sum not exceeding £100 for expenses of research, for 2 yrs., for Chemical research. They can be held in any Univ. or other place of higher education in the U.K. possessed of the requisite facilities for research; also, in exceptional cases, by special permission of the Trustees, outside the U.K. One is limited to candidates nominated by the Univ. and the Royal Technical College, Glasgow.

ROYAL SOCIETY. * † ‡ (i) *Warren Fellowships, see under* Science (General) [278].

* † ‡ *Other Funds, see under* Science (General) [278].

* † ‡ SALTERS' INSTITUTE OF INDUSTRIAL CHEMISTRY. *Salters' Scholarship, and Fellowship, see under* Applied Science and Technology [80].

* † SHEFFIELD UNIV. *Ellison Fellowships, see under* Science (General) [280].

[307] * † ‡ SOUTHAMPTON UNIV. *Esso Research Studentship.* One studentship, endowed by Esso Petroleum Co., Ltd., awarded annually in dept. of Chemistry, provided candidates of sufficient merit present themselves. Tenable for 1 yr. in first instance; normally renewable for 2nd yr. if student's work is satisfactory, and in exceptional circumstances

for 3rd yr. Value, £350 p.a. Candidates must have good Univ. degree with Chem. as principal subject, and definitely be preparing to enter petroleum or chemical industry. Applications to Professor of Chemistry before May 1.

* † ‡ TURNER AND NEWALL LTD. *Fellowships* in Inorganic Chemistry, *see under* Science (General) [281A].

[308] * † ‡ WALES, UNIV. OF; UNIV. COLL. OF WALES, ABERYSTWYTH. *Garrod Thomas Fellowship.* Awarded annually; tenable for 1 yr. but may be renewed for a further yr. Value £75 p.a. supplemented by Ministry of Education up to maximum of £215 p.a., plus tuition fees. Open to graduates of any Univ., with preference to those of Univ. Coll. of Wales, Aberystwyth. Last date for applicns., July 1. Further particulars from Registrar.

Colloid Science

[309] * † ‡ CAMBRIDGE UNIV. *Oliver Gatty Studentship* in Colloid Science, especially physical methods applied to biological problems, about £450 p.a., for 1 yr. with possible re-election for a 2nd and 3rd yr., tenable at Cambridge. Open to graduates of any Univ.

Further particulars from the Registrary.

Ecology

[310] * NATURE CONSERVANCY. *Research Studentships.* Annual value varies from £250 to £350 according to circumstances. Certain fees and supplementary allowances may be paid in addition. Tenable for 1, 2 or 3 yrs.' postgraduate research training of Ph.D. standard in ecological and cognate subjects. Candidates must be British subjects normally resident in Gt. Britain and graduates of a British University. Further particulars from the Director-General, The Nature Conservancy, 19 Belgrave Square, London, S.W.1.

Electrotechnics

* † ‡ MANCHESTER UNIV. *J. R. Ashworth Research Scholarships, see under* Science (General) [272].

Fuel Technology

[311] * † ‡ SHEFFIELD UNIV. *Research Fellowship,* tenable in Dept. of Fuel Technology, value £600-800, tenable for 4 yrs., for a specified programme of applied research undertaken on behalf of the British Electricity Authority, the object being to advance knowledge of the combustion of pulverized coal. Further particulars from the Registrar.

Geology and Geophysics

[312] * † ‡ BIRMINGHAM UNIV. *Lapworth Scholarship Fund.* Grants from the Fund, of such value and at such times as may appear desirable, may be awarded to graduates of Birmingham or any other

Univ., for encouragement of geological research, which must be of an original character and carried out under the supervision of the Professor of Geology. Further particulars from the Registrar.

* † ‡ DURHAM UNIV.: THE DURHAM COLLS. *Research Fellowship* in Pure Science, *see under* Science (General) [264].

† IMPERIAL OIL LTD. *Fellowships, see under* General [25].

NOTTINGHAM UNIV. * † (i) *Carr Scholarship, see under* Science (General) [275].

* † ‡ (ii) *Abbott Scholarships*, £40 p.a. for 1, 2 or 3 yrs. Approved for award of State Scholarship. Holder must read for a higher degree of the Univ. in Geology. Applications to Registrar not later than July 1.

* † ‡ ROYAL SOCIETY. *Mackinnon Research Studentship, see under* Science (General) [278].

[313] SHELL GROUP OF OIL COMPANIES. * (i) A limited number of *Postgraduate Awards* in Geology are made to students who desire to join the petroleum industry and wish to take a Ph.D. or M.Sc. degree in Geology before doing so. Value, £400 p.a. Tenable in any U.K. Univ. which has a Geological Dept.

* (ii) A limited number of *Postgraduate Awards* in Geophysics are made to students who desire to join the petroleum industry and who wish to secure a diploma or M.Sc. degree at the Imperial College of Science and Technology, London, before doing so. Value £400 p.a.

Further particulars from The Shell Petroleum Company Ltd., St. Helen's Court, Great St. Helen's, London, E.C.3.

[314] * WALES, UNIV. OF: UNIV. COLL. OF WALES, ABERYSTWYTH. *J. J. Thomas of Kendal Scholarship.* Awarded annually; tenable for 3 yrs. For research in Geol. and in Mineralogy. Value £70 p.a. supplemented by Ministry of Education up to max. of £215 p.a. plus tuition fees. Open to students of any Univ. who were born in Wales or Lake District. Last date for applicns., June 1. Further particulars from Registrar.

Mathematics

See Arts (Special Subjects) [126], [127].

Metallurgy

[315] BIRMINGHAM UNIV. * † (i) *William Gibbins Research Fellowship* in Metallurgy, £450 p.a., plus tuition and membership fees, usually for 2 yrs. but renewable; tenable in the Dept. of Metallurgy. Candidates should be graduates of the Univ. of Birmingham or any other British Univ. who have had at least 1 yr.'s experience of postgrad. research. Established to encourage research into copper, brass and non-ferrous alloys.

* † (ii) *William Gibbins Research Scholarship*, tenable in the Metallurgy Dept. of the Univ.; value to be determined in each individual case by the Fac. of Sci. Open to graduates of any British Univ.

* † ‡ (iii) *Bowen Scholarship* in Metallurgy, £245-£285 p.a., with remission of tuition and examination fees, tenable for 1 yr., the work engaged in by the scholar to have a direct or theoretical bearing on some department of Metallurgy. Open to graduates of any Univ.

* † ‡ (iv) *Joseph Lucas Research Fellowship and Research Assistantships in Electrometallurgy.* The purpose of the Fellowship is to enable a sr. investigator to conduct research of a fundamental character in the field of electrometallurgy. Research to be carried out in Dept. of Industrial Metallurgy. Value of Fellowship from £600 to £850 p.a. and of Research Assistantships £260 to £450 p.a. The appointments are initially tenable for 1 yr. but are renewable for further periods.

Further particulars from the Registrar.

* † BRITISH IRON AND STEEL RESEARCH ASSOCIATION. *Bursaries, see under* Applied Science and Technology [72].

[316] DURHAM UNIV.: KING'S COLL., Newcastle upon Tyne. * † ‡ (i) *Wood-Watson-Donnini Memorial Postgraduate Scholarship* in *Metallurgy or Chemistry*, £100 p.a., tenable at King's Coll., normally for 2 yrs. Eligible for supplementation by Ministry of Education. Available for research leading to a higher degree in Metallurgy or Chemistry. Candidates must be graduates of an approved Univ. or be otherwise suitably qualified. Applications to Registrar by May 31 in each yr.

* † ‡ (ii) *Cochrane Postgraduate Scholarship* in Metallurgy, £95 p.a., tenable at King's Coll., normally for 2 yrs. Eligible for supplementation by Ministry of Education. Available for research leading to a higher degree in Metallurgy. Candidates must be graduates of an approved Univ. or be otherwise suitably qualified. Applications to Registrar by May 31 in each yr.

* † ‡ IMPERIAL CHEMICAL INDUSTRIES LTD. *Fellowships, see under* Science (General) [268A]

* † ‡ IRON AND STEEL INSTITUTE. *Andrew Carnegie Travelling Scholarships* and *Research Grants, see* Appendix III [416].

LEEDS UNIV. * † ‡ (i) *Yorkshire Copper Works Research Scholarship, see under* Applied Science and Technology [76]. * † ‡ (ii) *Henry Ellison Senior Fellowships, see under* Science (General) [270].

[317] ROYAL SOCIETY * † ‡ (i) *Warren Fellowships, see under* Science (General) [278].

* † ‡ (ii) *Armourers and Brasiers' Research Fellowship* in Metallurgy. £850 p.a., tenable at any approved place, for 2 yrs. in the first instance, but may be extended yr. by yr. up to a max. of 5 yrs. Appointments made by a cttee. consisting of 4 persons appointed by the Council of the Royal Society and 3 persons appointed by the Court of the Armourers and Brasiers' Company. Further particulars from Asst. Secretary, The Royal Society, Burlington House, London, W.1.

[318] SHEFFIELD UNIV. * † ‡ (i) *United Steel Companies Fellowship*, £750-£950 p.a., normally tenable for 5 yrs. for research in ferrous metallurgy, not excluding refractory materials, the object being to advance metallurgical knowledge, not to train men for research. Candi-

dates should be persons who have already shown ability to conduct independent investigations.

* † ‡ (ii) *J. H. Andrew Research Fellowship*, £750-£950 p.a., normally tenable for 5 yrs., the object being to advance knowledge in the field of ferrous metallurgy. Candidates should have research experience, not necessarily in ferrous metallurgy, and show ability to conduct independent investigations.

* † ‡ (iii) *C. H. Desch Research Fellowship*, £750-£950 p.a., tenable for 5 yrs. in the Univ. Dept. of Metallurgy, the object being to advance knowledge in the field of ferrous metallurgy. Candidates should have research experience, though not necessarily in this field, and show ability to conduct independent investigations.

* † ‡ (iv) *W. J. Rees Research Fellowship*, £750-£950 p.a., tenable for 5 yrs. in the Univ. Dept. of Metallurgy for research in the field of refractory materials. Candidates should have research experience and show ability to conduct independent investigations.

* (v) *C. G. Carlisle Research Scholarship*. Value £70 for 1 yr., renewable up to 3 yrs., for research in Metallurgy or for a postgraduate course in Metallurgy.

* † ‡ TEXTILE MACHINERY MAKERS, LTD. *Sir Walter Preston Postgraduate Scholarships* and *Research Fellowships, see under* Applied Science and Technology [84].

* † ‡ WALES, UNIV. OF: SWANSEA UNIV. COLL. *Research Studentships, see under* Engineering (General) [168].

Meteorological Science

* † ‡ MANCHESTER UNIV. *J. R. Ashworth Research Scholarships, see under* Science (General) [272].

Nutrition

[318A] * † ‡ DRUMMOND FELLOWSHIP. The Managing Trustees (Chairman, Dr. B. Ifor Evans; Hon. Secretary, E. A. L. Gueterbock, University College, Gower Street, London, W.C.1) award from time to time a *Fellowship*, value at present £900 p.a. with an additional sum for superannuation and expenses, for 2 yrs. for research in Nutrition. It can be held in any Univ. or other place of higher education or research, etc., which the Managing Trustees consider suitable.

[319] * † ‡ MANCHESTER UNIV. *Cow and Gate Fellowship* for research in problems associated with nutrition in infants and children. Normally £900 p.a. for 3 yrs., renewable in special cases for 4th or 5th year. Usually tenable at the above. Open to graduates of approved Univs. Applications by Jan. 31. Due notice will be given of next offer. Further particulars from the Registrar.

Pharmacy

* † ‡ IMPERIAL CHEMICAL INDUSTRIES LTD. *Fellowships, see under* Science (General) [268A].

[320] * † ‡ LONDON UNIV. : SCHOOL OF PHARMACY. *Allen and Hanbury's Research Fellowship.* Awarded annually ; tenable in Dept. of Pharmacology. Value, £300 p.a. Applicants must be pharmaceutical chemists or graduates in pharmacy, science or medicine of a Univ. Applications to Secretary of School.

[321] MANCHESTER UNIV. * † ‡ (i) *Allen and Hanbury's Fellowship.* Normally £250, offered annually. Tenable in the Pharmaceutical or Pharmacology Laboratories of the Univ. for 1 yr., but renewable for a period of not more than 3 yrs. in all. Preference to pharmaceutical chemists or graduates in Pharmacy of a British Univ., but failing such candidates, may be awarded to graduates in Science or Medicine. Applications by May 31.

* † ‡ (ii) *Woolley and Kerfoot Scholarships* in Pharmacy. Each of £60 for 1 yr., renewable for 2nd yr., normally tenable at the above. Offered annually and open to persons who have studied Pharmacy in the Univ. of Manchester or in some other approved institution. Last date for applications, Sept. 30.

* † ‡ (iii) *A. L. Blain Memorial Scholarship.* As (ii) above, except value £70.

Further particulars from the Registrar.

[322] PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.1. * (i) *Pharmaceutical Society Research Scholarship.* Value £350 p.a. One awarded each yr.

* (ii) *Redwood Research Scholarship.* Value £350 p.a. Next award 1955.

* (iii) *Burroughs Research Scholarship.* Value £350 p.a. Next award 1957.

* (iv) *Ransom Research Fellowship.* Value £350 p.a. Last award 1953.

* (v) *Rammell Research Studentship.* Value £350 p.a. Next award 1961.

Each scholarship is tenable for 2 yrs. on annual appointment in the research laboratories of any School of Pharmacy in Great Britain approved by awarding body or in the Museum of the Society. Candidates must be pharmaceutical chemists or approved graduates in Pharmacy. Last date for applications, June 1.

* (vi) *Educational Grants.* The Council of the Society is also prepared to receive applications for grants for maintenance of research workers and provision of technical, clerical and other services : maintenance of persons undergoing training in research methods or further training in a particular subject or subjects ; special apparatus and materials or other expenses necessarily and specially incurred by such workers. Applicants must be members or student-associates of the Society, and must be normally resident in Gt. Britain. Last date for applications, May 1.

Further particulars from the Secretary.

* † ‡ ROYAL SOCIETY. *Locke Research Fellowship, see under* Science (General) [278].

[323] * WELLCOME TRUST. *Wellcome Pharmaceutical Research Fellowship.* Awarded by Cttee. comprising members appointed by Trustees of the Wellcome Trust and by the Council of the Pharmaceutical Society of Great Britain. Value £400 p a., awarded annually. Tenable for 2 yrs. on annual appointment in the research labs. of any School of Pharmacy or other institution in Great Britain approved by awarding body. Candidates must be Pharmaceutical Chemists or approved graduates in Pharmacy. Last date for applications, May 31. Further particulars from the Secretary of the Pharmaceutical Society, 17 Bloomsbury Square, London, W.C.1.

Physics

ABERDEEN UNIV. * † (i) *Georgina McRobert Research Fellowship, see under* Medicine and Surgery (Special Subjects)—Cancer [215].

* † (ii) *Robbie Scholarship in Natural Philosophy, see under* Science (General) [254].

* † BELFAST, THE QUEEN'S UNIV. *Musgrave Research Studentships, see under* Medicine and Surgery (Special Subjects)—Pathology [239].

[324] * † ‡ BIRMINGHAM UNIV. *Nuffield Research Fellowships.* Value £450 p.a. plus free tuition, but in special cases may be higher, determined in each case by the Faculty of Science, tenable in the first instance for 2 yrs. but renewable. Fellows are required to devote their whole time to research in the Dept. of Physics, but may be required to take such part in the work of the Dept. as will not interfere with their research.

Further particulars from the Registrar.

* † BRITISH IRON AND STEEL RESEARCH ASSOCIATION. *Bursaries, see under* Applied Science and Technology [72].

* † ‡ CAMBRIDGE UNIV.: CLARE COLL. *Denman Baynes Studentship, see under* Science (General) [258].

[325] * † ‡ CAMBRIDGE UNIV.: PEMBROKE COLL. *Stokes Studentship* for research in Physics or cognate subjects, tenable at Pembroke Coll., about £500 p.a. for 3 yrs., renewable for a term not exceeding 5 yrs. Open to graduates (preferably of Cambridge) of from 23 to 30 yrs. of age. Last award 1954.

* † ‡ DURHAM UNIV.: THE DURHAM COLLS. *Research Fellowship* in Pure Science, *see under* Science (General) [264].

* † ‡ DURHAM UNIV.: KING'S COLL., Newcastle upon Tyne. *George Angus Studentships, see under* Science (General) [265].

* † ‡ EDINBURGH UNIV. *Dewar Research Fellowship, see under* Science (General) [266].

* GLASGOW UNIV. *Coats Fellowship, see under* Science (Special Subjects)—Chemistry [303].

* † ‡ IMPERIAL CHEMICAL INDUSTRIES LTD. *Fellowships, see under* Science (General) [268A].

† IMPERIAL OIL LTD. *Fellowship, see under* General [25].

[326] MANCHESTER UNIV. * † ‡ (i) *John Harling Fellowship* for research in Physical Science. £200 and occasionally more; renewable for 2nd and possibly 3rd yr., normally tenable at the above. Open to all persons who can furnish satisfactory evidence of ability to pursue research. Next award not fixed.

* † ‡ (ii) *J. R. Ashworth Research Scholarships, see* Science (General) [272].

Further particulars from the Registrar.

[327] * † ‡ OXFORD UNIV. *Nuffield Foundation Research Fellowship.* Fellows are apptd. on recommendation of the Professor of Experimental Philosophy for research in the Clarendon Laboratory, Oxford. Stipend and conditions of service to be determined by the Nuffield Foundation. Further particulars from the Prof. of Experimental Philosophy.

ROYAL SOCIETY. * † (i) *Rutherford Scholarship, see under* Science (General) [278].

* † ‡ (ii) *Warren Fellowships, see under* Science (General) [278].

* † SHEFFIELD UNIV. *Ellison Fellowships, see under* Science (General) [280].

* † ‡ TEXTILE MACHINERY MAKERS, LTD. *Sir Walter Preston Postgraduate Scholarships* and *Research Fellowships. See under* Applied Science and Technology [84].

* † ‡ TURNER AND NEWALL LTD. *Fellowships* in Physics, *see under* Science (General) [281A].

[328] * † ‡ WALES, UNIV. OF · UNIV. COLL. OF WALES, ABERYSTWYTH. *Garrod Thomas Fellowship.* Awarded annually; tenable for 1 yr., but may be renewed for a further yr. Value £75 p.a., supplemented by Ministry of Education up to maximum of £215 p.a., plus tuition fees. Open to graduates of any Univ., with preference to those of Univ. Coll. of Wales, Aberystwyth. Last date for applications, July 1. Further particulars from Registrar.

Zoology

[329] * BRISTOL UNIV. *Bristol, Clifton and West of England Zoological Society Scholarship* in Vertebrate Zoology. For postgraduate research in Vertebrate Zool. £300 p.a. for 2 yrs., in first instance, with possibility of renewal for 3rd yr. Holder of Scholp. may be required to undertake strictly limited amount of teaching in Dept. of Zoology.

* † ‡ DURHAM UNIV.: THE DURHAM COLLS. *Research Fellowship* in Pure Science, *see under* Science (General) [264].

* † LONDON UNIV.: IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. *Henry George Plimmer Fellowship, see under* Science (Special Subjects)—Biochemistry [284]

* † ‡ MANCHESTER UNIV. *Grisedale Scholarship* for biological research, *see under* Botany [291].

17. THEOLOGY

[330] * CAMBRIDGE UNIV. *Hort Memorial Fund*, £95 p.a., for grants to persons engaged in Biblical, Hellenistic or Patristic Research, or undertaking connected therewith. Further information from the Secretary of the Fund : Dr. Telfer, Master's Lodge, Selwyn College.

* † ‡ EDINBURGH UNIV. *Richard Brown Scholarship, see under* General [21].

[331] LONDON UNIV. : KING'S COLL., Strand, London, W.C.2. * † (i) *Theological Exhibitions* : Six of £50 p.a. open to grads. of any Commonwealth Univ. or members of the Faculty who have passed the Intermed. B.D. Examn. Candidates must send in their names to the Dean on or before June 20 in each year. Various other Bursaries.

* † ‡ (ii) *Cleave Cockerill Scholarship*. Value £200 p.a. for 2 yrs. with free tuition and term-time residence. Candidates must be men in Holy Orders in the Church of England, or in some Church in communion with the Church of England. The Scholar will be required to reside at the Theological Hostel, to read for a Higher Degree of the Univ. of London, and to give some assistance in tutorial work in the Theological Dept. of King's Coll. and at the Chapel Services in the Theological Hostel. Applications to the Dean by April 30.

[332] * † ‡ MANCHESTER UNIV. *Research Fellowship* in Theology, offered annually. Open to graduates of Manchester or other approved Univs. Value : normally £300 for 1 yr., renewable for 2nd yr. ; but £250 for 1st yr. to graduates of another approved Univ. who have not already completed 1 yr.'s postgraduate study. Applications to the Registrar by July 1.

18. PRIZES

Biometrics

[333] * † ‡ OXFORD UNIV. *Weldon Memorial Prize* (endowment £1000), awarded once in 3 yrs. for the most noteworthy contribution to Biometric Science in the preceding 6 yrs. Last award 1953. Further particulars from the Registrar, University Registry, Oxford.

Chemistry

[334] CHEMICAL SOCIETY, Burlington House, London, W.1. * (i) *Corday-Morgan Medal and Prize*. Silver medal and 150 guineas awarded annually to the chemist of either sex and of British nationality who, in the judgement of the Council of the Chemical Society, shall have published during the yr. in question the most meritorious contribution to Experimental Chem., and who, at the date of publication, shall not have attained the age of 36 yrs. Award suspended if no suitable candidate presents himself or is brought to the notice of the Council. Further particulars from the General Secretary of the Society.

* (ii) *Harrison Memorial Prize*. Bronze plaque and monetary prize (at present 100 gns.) awarded once in 3 yrs. to the chemist of either sex, being a British subject by birth and not at the time over 30 yrs. of age, who, in the opinion of the Selection Committee, shall, during the

previous 5 yrs., have conducted the most meritorious and promising original investigations in Chemistry and shall have published the results of those investigations in a scientific periodical or periodicals.

Classics

* † ‡ LONDON UNIV.: KING'S COLL. *Ronald Burrows Memorial Prize, see under* Arts (Special Subjects) [108].

Dental Surgery

[335] ROYAL COLL. OF SURGEONS, Lincoln's Inn Fields, London, W.C.2. * † (i) *Cartwright Prize* (of £100) *and Medal,* founded in 1884 by the "Association of Surgeons practising Dental Surgery" with the object of commemorating the services of Samuel Cartwright, F.R.C.S., awarded quinquennially to the author of the best essay upon a subject relating to Dental Surgery to be selected by the Council. The next award will be made for the five years ending Dec. 31, 1955, the subject being "The Diagnosis and Treatment of Fibro-Osseous Enlargement of the Jaws."

Candidates must be persons engaged in the study or practice of Dental Surgery and possessing qualifications capable of registration under the Medical Acts of the United Kingdom.

Every essay must have a motto or device and must be accompanied by a sealed paper containing the name and address of the author, and having on the outside a motto or device corresponding with the motto or device on the essay.

* † (ii) *John Tomes Prize* of £27. Founded by members of the Dental profession in memory of Sir John Tomes; awarded triennially for original or other scientific work on Dental Surgery and Pathology, Dental Anatomy and Physiology (including Histology) or Dental Mechanics. Last award 1954.

English Literature

[336] * † ‡ BRITISH ACADEMY. *Rose Mary Crawshay Prize* for English Literature, £100. Open to women of all nationalities for historical or critical work, preference being given to work regarding Byron, Shelley or Keats. Suggestion of works (written or published within the 3 preceding yrs.) to be considered may be sent in at any time, and will be considered in April of each year. Address—The Secretary, The British Academy, Burlington Gardens, London, W.1.

Greek

[337] * † BRITISH ACADEMY. *Cromer Greek Prize,* £40. Open to British subjects under 26 yrs. of age. Essays on subjects previously submitted for approval to be sent in before Dec. 31. Address—The Secretary, The British Academy, Burlington Gardens, London, W.1.

History

[338] * † ‡ LONDON UNIV.: INSTITUTE OF HISTORICAL RESEARCH. *Julian Corbett Prize*, value £50, open to any investigator who satisfies the Committee of the Institute of Historical Research that he is a student of naval history qualified to undertake research. The work shall be either a dissertation or an edition of an original document or documents, or a report on material at home or abroad illustrating modern naval history. Intending candidates must, on or before Oct. 1 in year preceding entry for the Prize, submit for the approval of the Inst. of Hist. Research Committee the subject of proposed work, and without such approval no work will be eligible. The prize is awarded biennially, and preliminary applications for next award should reach the Sec., Institute of Historical Research, The Senate House, London, W.C.1, before Oct. 1, 1955.

[339] * † ROYAL EMPIRE SOCIETY. *Walter Frewen Lord Prize* in Imperial History, annually, value 40 gs., for a monograph or essay (10,000-20,000 words) on a subject of Imperial History, embodying either the results of original work or an ordered and critical exposition of existing data. Open to undergraduates or graduates of any Univ. or Univ. Coll. in the Commonwealth, of not more than 4 yrs.' standing from their first degree.

Further particulars from the Secretary, Imperial Studies Committee, Royal Empire Society, Northumberland Avenue, London, W.C.2.

[340] * † ‡ ROYAL HISTORICAL SOCIETY. *David Berry Prize*, founded under the will of the late David Anderson-Berry in memory of his father, the Reverend David Berry, consisting of a gold medal and a money prize of £50, to be awarded to the writer of the best essay on a subject, to be selected by the candidate and approved by the Council of the Society, dealing with Scottish History within the reigns of James I to James VI inclusive. Each essay submitted must be a genuine work of research based on original materials and must not previously have been published or awarded any other prize. Awarded triennially. Further particulars from the Secretary at 96 Cheyne Walk, Chelsea, London, S.W.10.

International Peace

[341] * CECIL PEACE PRIZE. A prize of £100 is offered annually for an essay on a given subject connected with the maintenance of International Peace, and having some bearing on the principles or work of the International Organizations existing for that purpose. Open to all graduates, undergraduates, and students of either sex and of any nationality, of any Univ. or Univ. Coll. in Gt. Britain or N. Ireland, under 25 on the last day for submitting essays. Further particulars from the Hon. Secretary, The David Davies Memorial Institute of International Studies, Thorney House, Smith Square, London, S.W.1, with whom entries must be lodged by Nov. 1 each year.

MEDICINE (General)

[342] * † ‡ LONDON UNIV. *Rogers Prize*, value £100, for an essay or dissertation on some medical or surgical subject named and appointed

by the Univ. and made public in such manner and at such time as the Univ. may determine. Open to all persons on the Medical Register of the U.K. Further particulars from the Academic Registrar.

[343] * † ROYAL COLL. OF SURGEONS, Lincoln's Inn Fields, London, W.C.2. *John Hunter Medal and Triennial Prize*, value £50, awarded to a Fellow or Member who has, during the preceding 10 yrs., done such work in Anatomy, Physiology, Histology, Embryology or Pathological Anatomy as deserves special recognition. Next award in 1955.

MEDICINE (Special Subjects)

Cancer

[344] * † ‡ ROYAL COLL. OF SURGEONS, Lincoln's Inn Fields, London, W.C.2. *Walker Prize*, £100, established under a Deed of Trust by the late Mr. Clement Walker of Lilleshall Old Hall, near Newport, Salop, to encourage the investigation of cancer. The Prize is awarded quinquennially, upon the recommendation of a Committee, to the person, if any, who shall be deemed to have done the best work during the preceding five years in advancing the knowledge of the pathology and therapeutics of cancer. The award is open to foreign graduates as well as to British subjects.

Cardiology

[345] * † BRISTOL UNIV. *Carey Coombs Memorial Prize*. Value approx. £90. To be awarded in 1955 by Univ. for best essay on "Management of Hypertension." Open to any person normally resident in the Commonwealth. Further details from the Registrar and Secretary.

Epidemic Diseases

[346] * † ‡ ROYAL COLL. OF PHYSICIANS, 9 Queen St., Edinburgh 2. *Parkin Prize*, value £100, offered triennially for an essay in the English language. Open to competitors of all nations. Further particulars from the Secretary.

Hygiene and Tropical Medicine

[347] * † ‡ LONDON UNIV.: LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE, Keppel Street, London, W.C.1. *Langley Memorial Prize*—open to competition among Officers, past and present, of the West African Medical Departments. The award is made triennially in respect of the best paper written by such an officer on one of the following subjects: (*a*) Tropical Medicine and Surgery, (*b*) Tropical Hygiene and Sanitation, or (*c*) Tropical Entomology and Parasitology. Next award 1957. Further particulars from the Dean of the School.

Ophthalmology

[348] * † MOORFIELDS, WESTMINSTER AND CENTRAL EYE HOSPITAL, City Road, London, E.C.1. *Gifford Edmonds Prize* in Ophthal-

mol., of £100, is awarded biennially for the best essay on a subject dealing with Ophthalmol. and involving original work. Open to British subjects who hold a medical qualification. Preference will be given to original work. Full particulars from the House Governor of the Hospital.

Pathology

[349] * † ‡ CAMBRIDGE UNIV. *John Lucas Walker Exhibitions and Prizes* in Pathology, not exceeding £50, awarded from time to time to any person in respect of any essay, discovery or meritorious service connected with or conducing to the Science of Pathology. Further particulars from the Professor of Pathology, Dept. of Pathology.

Surgery

[350] * † ‡ ASSOCIATION OF SURGEONS OF GREAT BRITAIN AND IRELAND. *Moynihan Prize* of £100, together with a medal, for the best dissertation or essay on a subject chosen by the Council; open to citizens of British Commonwealth or Republic of Ireland who have been qualified for not more than 10 yrs. and who are either engaged in the practice of surgery or are being trained to this end. Further particulars from the Hon. Secretary, 45 Lincoln's Inn Fields, London, W.C.2.

[351] ROYAL COLLEGE OF SURGEONS, Lincoln's Inn Fields, London, W.C.2. * † (i) *Jacksonian Prize*, value £23, open to Fellows and Members for a dissertation on a practical subject in Surgery. Awarded annually. Subject for 1955 is: "Diaphragmatic Hernia." Latest date for receipt of essays is Dec. 31. Regulations from the Secretary.

* † (ii) *John Hunter Medal and Triennial Prize, see under* Prizes—Medicine (General) [343].

* † (iii) *James Berry Prize*, value £50, open to Fellows and Members not over 45 yrs. of age, for a dissertation on a surgical subject. Awarded quinquennially. Next award 1957. Regulations may be obtained from the Secretary.

SCIENCE (General)

[352] * † ‡ ROYAL SOCIETY. *Medals.* Copley, for philosophical research (with money grant); Rumford (with money grant, biennial), for useful discovery in light or heat, in any part of Europe; Royal (2), for advancement of natural knowledge; Davy (with money grant), for discovery in chemistry in Europe or North America; Darwin (with grant of £100, biennial), for work in Darwinian field; Buchanan (with money grant, quinquennial), for service to hygienic science or practice; Sylvester (with money grant, triennial), for mathematical research; Hughes (with money grant), for discovery in physical sciences, particularly electricity and magnetism. With the exception of the Royal Medals, all are open to foreigners as well as to British subjects.

ADDENDUM (*see* p. 1680)

[117A] * † ‡ DAVID DAVIES MEMORIAL INSTITUTE OF INTERNATIONAL STUDIES, Thorney House, Smith Square, London, S.W.1. *David Davies*

Fellowship for the promotion of advanced inquiry in the field of International Relations. Value, not less than £400 p.a. Awarded annually in July provided there is a candidate of sufficient merit. Tenable at a Univ. in the United Kingdom for 1 yr. in first instance. Candidates, who should be not more than 35 yrs. old, must be at least Honours graduates in Modern Studies (International Relations, Modern History, Economics, Political Science, etc.) and must submit an outline scheme of work for the consideration of the Selection Committee.

Further particulars from the Hon. Secretary of the Institute, to whom applications should be sent not later than May 31, 1955.

APPENDIX III

POSTGRADUATE AWARDS (FELLOWSHIPS, SCHOLARSHIPS, GRANTS, ETC.) FOR ADVANCED STUDY AND RESEARCH TENABLE OUTSIDE THE UNITED KINGDOM

This Appendix lists some of the more important awards tenable overseas by British graduates, but it does not claim to be exhaustive. It is primarily intended for U.K. graduates wishing to study abroad.

Reference may also be made to the following publications: *Study Abroad*, an annual international Handbook of Fellowships, Scholarships and Educational Exchange (UNESCO); *Inter-Commonwealth Postgraduate Scholarships in Science* (H.M.S.O. for British Commonwealth of Nations Scientific Liaison Offices, London, 1951); and *Scholarships Abroad* (British Council), *see below* [355].

For an explanation of the meaning of the symbols *, † and ‡ see the introductory paragraphs of Appendix II.

The list of awards in this Appendix is arranged in order of subject as follows:

1. General (the subject being optional or there being a large field of choice) [353]-[377].
2. Agriculture, Veterinary Science, etc. [378]-[380].
3. Applied Science and Technology [381].
4. Arts (General) [382]-[384].
5. Arts (Special Subjects) [385]-[390].
   - Anthropology.
   - Archæology [385].
   - History [386].
   - Journalism [387].
   - Oriental and African Studies [388], [389].
   - Political Science [390].
6. Dentistry [391].
7. Economics and Sociology [392]-[395].
8. Engineering (General).
9. Engineering (Special Subjects) [396].
   - Chemical Engineering [396].
   - Mining.
10. Fisheries.
11. Medicine and Surgery (General) [397], [398].
12. Medicine and Surgery (Special Subjects) [399]-[402].
    - Cancer [399].
    - Cardiology [400].
    - Obstetrics and Gynæcology.
    - Ophthalmology [401].
    - Oto-Rhino-Laryngology.
    - Tuberculosis [402].
13. Science (General) [403]-[407].

14. Science (Special Subjects) [408]-[419].
Biochemistry [408].
Botany [409].
Chemistry [410]-[415].
Geology.
Metallurgy [415A]-[417].
Pharmacy [418].
Physics [419].
15. Theology.

1. GENERAL

[353] * † ‡ ALBERTA UNIV. *Husky Oil and Refining Scholarship.* A scholp. of $500 is offered by Husky Oil and Refining, Ltd., to graduates from any recognized Univ., for graduate study and research in problems related to the discovery, development, production, processing, transportation and utilization of " black oils." Students in any of the following or in related fields may be eligible: Chemistry, Chemical Engineering, Civil Engineering, Economics, Geology, Petroleum Engineering and Physics.

Applications to Registrar, by April 15.

[354] * † ‡ AUSTRALIAN NATIONAL UNIV. *Scholarships.* Open to graduates of any country. Available in following Depts.: Biochem., Exper. Pathol., Med. Chem., Microbiol., Physiol., Astron., Geophys., Nuclear Phys., Particle Phys., Radio Chem., Theoretical Phys., Demography, Econ., Hist., Law, Pol. Sc., Social Philos., Anthropol. and Sociol., Far Eastern Hist., Geog., Internat. Relations and Pacific Hist. Tenure, 3 yrs. Value, £A655 p.a.; married scholars may receive an additional allowance. Fares allowances of up to £100 stg. for scholars coming from the United Kingdom. Applications usually close about Aug. Further particulars from the Registrar, The Australian National University, Box 4, G.P.O., Canberra, A.C.T., Australia.

[355] BRITISH COUNCIL, 65 Davies St., London, W.1. * † ‡ (i) *Travel Grants, see* Appendix II [3].

* † (ii) *Scholarships* offered to British students by foreign Govts. and Univs. Particulars of about 100 scholarships (mainly postgraduate awards are published by the British Council annually in Jan. in a pamphlet entitled *Scholarships Abroad.* For session 1955–56 awards were offered for study in the following countries: Austria, Belgium, Brazil, Denmark, Finland, France, Germany, Iceland, Italy, Netherlands, Norway, Persia, Portugal, Spain, Sweden, Switzerland, Yugoslavia.

[356] BRITISH FEDERATION OF UNIVERSITY WOMEN, LTD., 17A King's Road, London, S.W.3. * (i) *Rose Sidgwick Memorial Fellowship,* $2000 for 1 yr. for postgraduate study in the U.S.A. Closing date Oct. 30. Offered to a woman graduate under 35 yrs. of age and normally resident in Great Britain.

* † ‡ (ii) A number of *International Travelling Research Fellowships* are offered annually by the International Federation of University Women. Enquiries should be made to the national Federation of University Women in the graduate's country of residence; in Great Britain, to the Secretary, B.F.U.W., as above.

* † ‡ (iii) *Aurelia Henry Reinhardt International Fellowship,* $2000, offered by the American Association of University Women, for a yr.'s

research. Closing date Oct. 30. Enquiries as under (ii) above.
Further particulars from the Secretary.

[357] * BRITISH MEMORIAL FUND. Founded by public subscription in the state of Victoria to show Australian appreciation of the part played by the people of the United Kingdom in the second World War. Intended to interest young British scientists, doctors, engineers, artists, teachers and other professional men and women, in Australia's arts, science and industry. The Fund aims at providing fellowships, tenable in Victoria in a wide range of subjects, for citizens of the British Isles. Subjects for 1955 were Wool Textile Industry, History, Nursing, Journalism. Value of each, £A1000. Further particulars from the Agent-General for Victoria, Victoria House, Melbourne Place, Strand, London, W.C.2

* ‡ CANADIAN FEDERATION OF UNIVERSITY WOMEN. *Margaret McWilliams Fellowship, see* Appendix II [15].

[358] * † ‡ CEYLON UNIV. One or more *Hilda Obeyesekere Research Fellowships*, value not less than Rs. 4800 p.a. Further particulars from the Registrar, Ceylon University, Peradeniya, Ceylon.

[358A] * ‡ CHURCHILL ENDOWMENT FUND. *Fellowships* to enable graduates or advanced students of the Univ. of Copenhagen to study for a period at a British Univ. and graduates or advanced students from the United Kingdom to study for a period at the Univ. of Copenhagen (preference to graduates of Univ. of Bristol). Value, £30 a month. Normally tenable for 12 mos. and in no case less than 6 mos. Last date for receipt of applications for next awards, Feb. 15, 1956. Further particulars from the Secretary to the British Section, The Churchill Endowment Fund, 4 Berkeley Street, Piccadilly, London, W.1.

[359] COMMONWEALTH FUND FELLOWSHIPS. The Commonwealth Fund of New York (supported by endowment from the late Mrs. Stephen V. Harkness and the late Mr. and Mrs. Edward S. Harkness) has established for British subjects Fellowships tenable in the United States. In creating these Fellowships the Directors of the Fund have been impelled by a belief in the value of international opportunities for education and travel, and by a conviction that mutual amity and understanding between Great Britain and the United States will thereby be promoted. Five of the six categories of Fellowships in the British Programme, all open to men and women, are as follows (*see also* [387]).

* (i) *General Fellowships*, open to candidates between 23 and 32 yrs. of age who have not worked or studied in the United States for more than a few months. Candidates must be British subjects, not normally resident in Canada or in other British territories in or near North America, and must be graduates of a United Kingdom Univ. Twenty Fellowships are available.

* (ii) *Home Civil Service Fellowships*, open to candidates holding permanent appointments in the higher ranks of the Civil Service in Great Britain. Three Fellowships for administrative grades; two for scientific grades.

* † (iii) and (iv) *Dominion* and *Colonial Civil Service Fellowships*, open to candidates who hold appointments overseas under the Govts. of Australia and New Zealand, or the Govts. of British Colonies, Protectorates or Trust Territories distant from the United States. Five Dominion Service Fellowships, two Colonial Service Fellowships.

* (v) *Fellowships in American Studies*, open to qualified members of Univ. teaching staffs in some field of American Studies. Candidates must be nominated by their Univs.

The standard tenure for fellowships in categories (i)-(iv) is for one academic year of 12 mos., but in special circumstances they may be held for shorter or longer periods. Emoluments cover full expenses of travel (including transatlantic passage) and of residence and study in the United States. For General Fellowships the monthly living allowances are: unmarried Fellows $220, married Fellows $275, with additional children's allowances. Closing dates for applications (on special forms): (i) Dec. 15; (ii) and (iii) Dec. 31; (iv) Nov. 15. Full particulars of all categories (except iv) and application forms may be obtained from the Warden of Harkness House, 35 Portman Square, London, W.1. Candidates for category (iv) apply to Dr. H. C. Forster, P.O. Box 4079, Melbourne, Australia, or the Public Service Commission, Wellington, N.Z.

[360] * C.S.I.R.O. *Studentships*. Tenable for 2 yrs. at an Australian Univ. or other approved Australian research institution for postgraduate training in the fields of natural sciences or agriculture. Value £A600 p.a. (free from Australian income tax) plus compulsory Univ. fees. Applicants should have an Hons. degree or its equivalent. Applications to Chief Scientific Liaison Officer, A.S.L.O., Africa House, Kingsway, London, W.C.2 before April 15, 1955.

[361] * C.S.I.R.O. OF AUSTRALIA and D.S.I.R. AND A.R.C. OF GREAT BRITAIN. *Postgraduate Research Studentships* for training in research and tenable for 2 yrs. at an Australian Univ. or other approved Australian research institution, and normally limited to candidates holding Hons. degrees in science or agriculture or with equivalent qualifications and who have had not more than 1 yr.'s previous post-graduate experience of research. Value, £A600 p.a. plus approved fees with tourist class sea travel to and from Australia. Applications to Chief Scientific Liaison Officer, A.S.L.O., Africa House, Kingsway, London, W.C.2 by April 15, 1955.

[362] ENGLISH-SPEAKING UNION. * (i) *Fellowships*. Value about $2000. Offered jointly by certain American Universities (who give free board, lodging and tuition) and the English-Speaking Union of U.S.A. (which contributes to incidental expenses). Candidates must be British graduates under 30 yrs. of age, from Gt. Britain or N. Ireland. For 1955–56, Fellowships at Indiana, Princeton and Yale Univs. (men); Bryn Mawr, Radcliffe and Smith Colls. (women).

* (ii) *Graduate Assistantships*. (Pt.-time teaching, pt.-time research.) Tenable in a large number of subjects and at various stipends. Candidates must be British graduates, from Gt. Britain or N. Ireland, and be under 36 yrs. of age. Assistantships for 1955–56 at Brown, Cornell,

Mass. Inst. of Technology, Oberlin, California (Los Angeles), Illinois, Michigan and Minnesota.

Further particulars from Mrs. D. R. Dalton, B.A., English-Speaking Union, Dartmouth House, 37 Charles Street, Berkeley Square, London, W.1.

[363] * † ‡ FULBRIGHT. *Travel Grants* for Lecturers, Advanced Research Workers, Teachers and Students, who are U.K. or Colonial citizens going to U.S.A. for academic or educational purposes Dollar support in U.S.A. essential. Further particulars from United States Educational Commission in the United Kingdom, 55 Upper Brook St., London, W.1.

[364] GOLDSMITHS' COMPANY. * (i) *Postgraduate Travelling Scholarships* (5), to enable selected scholars to visit one of the Dominions or Colonies for 2 yrs.; value adjusted to candidate's needs, but it is intended that each successful candidate should receive not less than £500 p.a. plus travelling allowance. Open to men and women of British parentage who are graduates of U.K. Univs. and under 24 yrs. of age.

* (ii) *Scholarships* (2) tenable at African Colleges to enable students to undertake 1 yr.'s study or research at either Fourah Bay Coll., Sierra Leone; Univ. Coll. of the Gold Coast, Achimota; Univ. Coll., Ibadan, Nigeria; Makerere Coll., the Univ. Coll of E. Africa (Uganda); or Univ. Coll. of Khartoum, Anglo-Egyptian Sudan, in preparation for a degree at a Univ. or Univ. Coll. in the U.K. Value, £200 plus fees and cost of return passage.

Applications for both (i) and (ii) to Clerk of the Goldsmiths' Company, Goldsmiths' Hall, Foster Lane, E.C.2, *through the Registrar or other authority of the candidate's own Univ.* and not direct.

[365] * † ‡ JOHN GOODENAY TRUST. *Travelling Research Fellowships.* Value, £500 p.a. Purpose: to enable graduates or members of the teaching staff of the Hebrew Univ. of Jerusalem to undertake postgraduate study at Univs and other educational and research institutions in the United Kingdom, and to enable graduates and members of the teaching staff of Univs. in the United Kingdom to undertake similar study at the Hebrew Univ. of Jerusalem No limitation with regard to nationality, religion or sex. Further particulars from the Secretary, Friends of the Hebrew University of Jerusalem, 237 Baker Street, London, N.W.1.

[366] * † ‡ HARVARD UNIV. The *Frank Knox Memorial Foundation,* which has been established in the conviction that co-operation between the British Commonwealth and the United States of America, based upon an informed and understanding contact of the peoples of these countries, is an essential to international peace, provides for an interchange of students, preferably graduates, between the Univs. of the British Commonwealth and Harvard Univ. Candidates for a Frank Knox Memorial Fellowship will be selected on the basis of future promise of leadership and will be required to study in one of the following Faculties at Harvard: Arts and Sciences, Business Design, Divinity, Education, Law, Public Administration, Engineering, Medicine, Public

Health. Stipend normally $2400. The Fellowship is at present offered each year in a particular Commonwealth country, the last award for which U.K. graduates were eligible being that for 1954–55. When this award is available in the U.K. further particulars are issued by the Secretary, Association of Universities of the British Commonwealth, 36 Gordon Square, London, W.C.1.

[367] * † HARVARD OR YALE UNIV *Henry Fellowships.* Tenable for 1 yr. at Harvard or Yale. Value, £960. Candidates must be unmarried British subjects, men or women, under 26 yrs. of age, who are *either* graduates of a Univ. in the British Isles *or* graduates of a British Dominion Univ. studying at a Univ. in the British Isles, *or* undergraduates of a British Univ. who have completed at least 3 terms' residence in that Univ. Further particulars from the Secretary, Henry Fund, c/o University Chest Office, Oxford.

* † IMPERIAL RELATIONS TRUST. *Travel Grants, see* Appendix II [27].

* † ‡ INTERNATIONAL FEDERATION OF UNIVERSITY WOMEN. *International Research Fellowships, see* Appendix II [28].

[368] * KING GEORGE VI MEMORIAL FELLOWSHIPS. Sponsored by the English-Speaking Union of the United States ; tenable at a number of American Univs. Open to graduates of British Univs. and qualified students of British Technical Colls. Value, $2500, plus tuition, and travelling expenses to and from the U.S.A. Further particulars from Mrs. D. R. Dalton, B.A., Secretary, British Selection Committee, King George VI Memorial Fellowships, 37 Charles St., Berkeley Sq., London, W.1.

[369] * † LEVERHULME RESEARCH AWARDS. *Scholarships* (2) of £600 open to British-born subjects normally resident in U.K. ; tenable for 1 yr. for advanced study in any European country. No subject (except modern languages) excluded from consideration, but preference given to subjects in the Arts Faculties. Candidates must be between 26 and 30 on Sept. 1. Closing date Feb. 28. Further particulars and forms of application from the Secretary, Leverhulme Research Awards, St. Bridget's House, Bridewell Place, London, E.C.4.

[370] MCGILL UNIV. * † ‡ (i) *Community Planning Fellowships.* Fellowships of $1000 probably available for graduates of any approved Univ. who are seeking a McGill master's degree in Geography, Architecture, Economics, Civil Engineering, Political Science or Sociology, and who are prepared to participate in the programme of research and study in community planning sponsored by these depts. Applications to Dean of Graduate Fac. before May 1.

* † ‡ (ii) *McGill-Arctic Institute Carnegie Scholarships.* Candidates must intend to proceed at McGill to a research programme involving field research in Arctic or Subarctic North America ; this may be in Biology, Geology, Geography, Psychology, Sociology, etc. Normal value, $1250 for winter session and $1000 for expenses of a field expedition the following summer. Applications to Arctic Institute, 3485 University St., Montreal, before April 1. Exceptionally, for

experienced applicants, the summer field work may precede the winter session of tenure, in which case applications must be received by Jan. 1. There is also a *Fellowship* of $4000, to assist a sr. worker in preparing a book or monograph based on field research already accomplished. A number of *Research Grants* for scientific investigations dealing with the Arctic and Subartic regions are also offered. Research must include either field investigations in North America or studies at one of the Institute offices. Applications must be received before Jan. 1 (Fellowship) or Nov. 1 (Grants).

[371] * † ‡ NEW SOUTH WALES UNIV. OF TECHNOLOGY. *I.C.I.A.N.Z. Research Fellowship.* Value, £A600 p.a. for 2 yrs. Established with a view to promoting knowledge in those fields which have some direct relation to the scientific interests and national responsibilities of the Imperial Chemical Industries of Australia and New Zealand, Ltd., such as Pure and Applied Chemistry, Biochemistry, Agricultural Science, Chemotherapy, Pharmacology, Physics, Engineering, Mining and Metallurgy. Applicants must be *subjects* of a nation in the British Commonwealth and graduates of a recognized Univ. Awarded every 2 yrs. Applications by Dec. 31.

Further particulars from the Registrar, New South Wales University of Technology, Broadway, Sydney, N.S.W., Australia.

[372] * NUFFIELD FOUNDATION, Nuffield Lodge, Regent's Park, London, N.W.1. *Travelling Fellowships* for Home Civil Servants. To enable sr. members of the Civil Service (Principal, Asst. Secretary, or corresponding rank) to gain first-hand acquaintance with the administration, problems, experience and opportunities of the overseas parts of the Commonwealth and possibly Western Europe. Duration: 6-12 mos. Application to Treasury, through Permanent Secretary of candidate's Department, to reach Treasury by Dec. 31.

* † ‡ OXFORD UNIV.: LADY MARGARET HALL. *Susette Taylor Fellowship, see* Appendix II [45].

[373] * † PRINCETON UNIV. *Procter Visiting Fellowships.* Candidates must be unmarried male citizens of the Commonwealth, not over 30 yrs. of age and must have taken at least a B.A. degree. Tenable for 1 yr. at Princeton with possibility of renewal. Fellows required to devote themselves to advanced study and investigation in a branch or subject of one of the liberal arts and sciences, exclusive of professional, technical or commercial subjects. Value £960 p.a. Further particulars from the Secretary, Henry Fund, c/o University Chest Office, Oxford.

* † ‡ ROTARY INTERNATIONAL. *Rotary Foundation Fellowships, see* Appendix II [52].

[374] * SIR JAMES CAIRD'S TRAVELLING SCHOLARSHIPS TRUST. *Travelling Scholarships* in Engineering, Electricity, Aeronautics and Music. Open to natives of Scotland of either sex. Value: Junior £50-£300, Senior £300-£700 p.a., according to circumstances, including place of study and nature of work contemplated. Normally tenable in Great Britain, Europe or U.S.A. for 1 yr., but may be continued up to a maximum of 3 yrs. Applications to John Pearson, Solicitor, 7 Ward

Road, Dundee, not later than March 31 (Music, Feb. 28), from whom further information and application forms can be obtained.

[375] * † ‡ SYDNEY UNIV. *A. E. and F. A. Q. Stephens Research Fellowship.* Awarded for 1 yr. in first instance, but may be renewed for 2nd yr. Annual value, £A750, payable half-yearly in advance. Tenable at Univ. of Sydney in any Faculty by graduates of other Australian Univs. or of any Univ. overseas who produce satisfactory evidence of research experience. Intended to promote and encourage research work within the Univ. of Sydney by graduates of other Univs. Continued tenure is subject to satisfactory half-yearly reports by the Fellow on the progress of his work. At the conclusion of his tenure, he will be required to submit a paper or report embodying the results of his investigation or experience. Except with the consent of the Vice-Chancellor, a Fellow will not be permitted to undertake employment for payment during his tenure. Applications by Sept. 30 to Registrar, Univ. of Sydney, Sydney, N.S.W., Australia.

[376] * † ‡ TASMANIA UNIV. *I.C.I.A.N.Z. Research Fellowship.* Research Fellowship in Pure and Applied Chemistry, Biochemistry, Agricultural Science, Chemotherapy, Pharmacology, Physics, Engineering, Mining and Metallurgy, and such other fields as have some direct relation to the scientific interests and national responsibilities of Imperial Chemical Industries of Australia and New Zealand Ltd. Candidates must be *subjects* of a nation in the British Commonwealth and hold degrees of honours standard in Science or Engineering. Value max. £A600 p.a.; tenure normally 2 yrs. Awarded every 2 yrs. Further information about next award and application forms from Registrar, University of Tasmania, Box 647 C, G.P.O., Hobart, Tas. Closing date for applications, Feb. 1.

[377] * † ‡ UNITED STATES GOVERNMENT: SMITH-MUNDT AWARDS. *Grants* in dollars may be made (1) to enable sr. British scholars to lecture or carry out research at an advanced professional level at Univs. in U.S.A. Minimum period of grant 3 mos., maximum 10 mos. Monthly stipend will not exceed $270; (2) to enable British graduate students and young professionals under 35 to attend Univs. in the U.S. for study or research. Tenable for one academic yr. (10 mos.). Value of award varies with cost of living. Candidates must be citizens of the United Kingdom or Colonies. Citizens of the Commonwealth countries should apply to the American Embassy in their own country. Grants in abeyance in U.K. for 1955–56. Those resident in U.K. may obtain further particulars from Cultural Affairs Officer, United States Information Service, 41 Grosvenor Sq., London, W.1.

2. AGRICULTURE, VETERINARY SCIENCE, ETC.

[378] * † ‡ CAPE TOWN UNIV. *Smartt Memorial Scholarship.* Value, £250 p.a. for 2 yrs., with possible extension for 3rd yr., for research in subjects relating to agriculture. Tenable at Univ. of Cape Town or elsewhere in South Africa at the discretion of the Council.

Further particulars from the Registrar, Univ. of Cape Town, Private Bag, Rondebosch, South Africa.

[379] * † ‡ McGILL UNIV. *Canadian Industries Ltd. Fellowship* in Agriculture. Value, $750. Available to student engaged in graduate work at Macdonald College. Open to any British subject who is a graduate of a recognized Univ. The chosen candidate may be registered in any dept. provided his research is concerned with some phase of the use of chemicals in agriculture. Applications to the Registrar, Macdonald College, Quebec, before May 15.

* † ‡ MANITOBA UNIV. *Canadian Industries Ltd. Research Fellowship, see* [412].

* † ‡ NATIONAL ACADEMY OF SCIENCES—THE ROYAL SOCIETY. *United States (F.O.A.) Research Fellowships, see* [404].

[380] * NOTTINGHAM UNIV. *Kesteven W.V.S. Travelling Scholarship.* Awarded for agricultural studies in Holland, Denmark or such other countries as the Univ. may approve. Tenable for 1 yr. only. Preference will be given to candidates normally resident in the County of Lincoln—parts of Kesteven. The value is fixed in relation to the expenses of the student, but will not exceed £150. Awarded normally to graduates in Agriculture or Horticulture, or to other graduates whose studies have particular reference to those subjects.

Further particulars from the Registrar.

* † ‡ ROYAL COLLEGE OF VETERINARY SURGEONS. *Miss Aleen Cust Research Scholarship* and *Sir Frederick Smith Fellowship, see* Appendix II [67].

* UNITED DAIRIES. *Travelling or Research Scholarship, see* Appendix II [68].

3. APPLIED SCIENCE AND TECHNOLOGY

* † ‡ ALBERTA UNIV. *Cominco Fellowship, see* [403].

* † ‡ BRITISH COLUMBIA UNIV. *Cominco Fellowship, see* [403].

[381] * LONDON COUNTY COUNCIL, The County Hall, Westminster Bridge, London, S.E.1. *Robert Blair Fellowship* in Applied Science and Technology. One or two Fellowships, tenable for not more than 1 yr., offered annually to enable the holders to pursue a course of advanced study or research in Appl. Science and Technology in the Dominions, in the United States or in other foreign countries. Value varies according to country visited. Candidates must be natural-born British subjects of at least 21 yrs. Preference to engineering science and to those who have completed a course of study in London institutions or who have been identified with the London teaching service. Further particulars from the Education Officer at the above address.

* † ‡ McGILL UNIV. (i) *American Viscose Corporation Fellowship, see* [411]. (ii) *C.I.L. Fellowships, see* [411]. (iii) *Cominco Fellowship; see* [403]. (iv) *Gottesman Fellowship, see* [411]. (v) *Inco Fellowships, see* [411].

* † ‡ MANITOBA UNIV. *Cominco Fellowship, see* [403].

* † ‡ QUEEN'S UNIV. *Cominco Fellowship, see* [403].

* † ‡ SASKATCHEWAN UNIV. (i) *Cominco Fellowship, see* [403]. (ii) *Province of Saskatchewan Graduate Research Fellowship, see* [407].

* † ‡ TORONTO UNIV. *Cominco Fellowship, see* [403].

4. ARTS (General)

[382] * † BRITISH SCHOOL AT ROME. *Rome Scholarships*, open to British subjects and tenable for 2 yrs., usually at the School. Available for study in Architecture, Painting, Sculpture, Engraving, Mediæval and Classical Studies. Further particulars from the Secretary, British School at Rome, 1 Lowther Gardens, Exhibition Road, London, S.W.7.

[383] MCGILL UNIV. * † ‡ (i) *Arthur C Tagge Fellowship* in the Humanities and Social Sciences. Annual value, $1200. Tenable by graduate of any approved University proceeding to higher degree in any Dept. of the Humanities or the Social Sciences. Normally awarded for 1st yr. of graduate study and not renewable, but exceptions to these rules not excluded. Applications are invited from outstanding students in the last yr. of the undergraduate course, at McGill or elsewhere, and should reach the Dean of Graduate Faculty not later than May 1.

* † ‡ (ii) *University Fellowships.* Tenable at McGill in the Humanities or Social Sciences by graduates of any approved Univ. who have been admitted to candidacy for a higher degree in these fields. Value, $800 each, or $400 for those who can live at home in Montreal. Applications to Dean of Graduate Fac., by letter, prior to May 1, and should be accompanied or preceded by an application for admission to Fac.

[384] * † ‡ RHODES UNIV. *Hugh Le May Fellowship.* Awarded in alternate years. Value about £1500 for 1 yr., renewable for 2nd yr. only in exceptional circumstances. Open to men and women, for advanced work in one of the following : Philosophy ; Theology ; Classics ; Ancient, Mediæval or Modern History ; Classical, Biblical, Mediæval or Modern Languages ; Political Theory ; Law. If no candidate of sufficient merit in these subjects presents himself, the Fellowship may be awarded to a candidate in some other subject within the Fac. of Arts. Designed not merely for those desirous of prosecuting " research " in the narrower sense but also for those who may wish to devote themselves to work of criticism or synthesis.

Applications before May 17 to Registrar, Rhodes University, P.O. Box 94, Grahamstown, C.P., South Africa, from whom further particulars may be obtained.

5. ARTS (Special Subjects)

Anthropology

* † ‡ MCGILL UNIV. *Samuel Lapitsky Scholarship, see under* Economics and Sociology [394].

Archæology

[385] * † BRITISH INSTITUTE OF ARCHÆOLOGY AT ANKARA. *Fellowship and Scholarship.* Awarded annually ; each tenable for 1 yr. with

possibility of renewal usually for 1 yr. Applicants must be of British Commonwealth nationality. The Inst. organizes and encourages research in all aspects of the archæology of Turkey, in all periods, including the Islamic. Further information from the Secretary, British Institute of Archæology at Ankara, 56 Queen Anne St., London, W.1.

History

* † ‡ LONDON UNIV.: LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE. *Eileen Power Studentship* in Social or Economic History, *see* Appendix II [153].

[386] * † ‡ MANITOBA UNIV. *Manitoba Historical Society Fellowship.* Value, $2500. For study of the social history of a given ethnic group within the Province of Manitoba. Open to all applicants who have qualifications of a standard equivalent to the M.A. of an approved Univ. or such other standards as the Cttee. of Selection may approve.

Further information from the Secretary of the Fellowship, c/o Dept of History, Univ. of Manitoba, Winnipeg, Manitoba.

Journalism

[387] * COMMONWEALTH FUND. *Fellowships* in Journalism; open to professional journalists engaged on the editorial side of their profession. Age limit 23-35 (the upper limit may be extended by the period of a candidate's war service). Three Fellowships. Standard tenure for fellowships is one academic year of 12 mos., but in special circumstances they may be held for shorter or longer periods. Emoluments cover full expenses of travel (including transatlantic passage) and of residence and study in the United States. Closing date for applications, Dec. 31. Full particulars and application forms may be obtained from the Warden of Harkness House, 35 Portman Square, London, W.1.

Oriental and African Studies

[388] * † ‡ CALCUTTA UNIV. *Bipradas Pal Chaudhuri Fellowship.* Value, Rs. 5000 p.a.; tenable at Univ. of Calcutta for 1 yr.; open to graduates of accredited Univs. in other countries. Awarded every 3 yrs. Last award 1955. Successful candidate must study "Aspects of Hindu Civilization and Culture"; submit, on completion of his studies, a full report of investigation in form of thesis suitable for publication; and, on return to his native country, seek to promote cultural relations with India by means of lectures and publications on the subject studied. Further particulars, of next award from the Registrar University of Calcutta, Senate House, College Street, Calcutta, India, to whom applications should be sent.

[389] * † ‡ MCGILL UNIV. *Islamic Institute Fellowship.* Several offered annually to graduate students enrolling in Islamic Institute and participating full time in its programme of research on Islam in the modern world, or preparing themselves to do so. Value, $1250 each. Candidate must hold good Honours degree from a recognized Univ.

Previous training in oriental learning not a prerequisite, providing applicant has first-class standing in one of the humanities or social sciences (preferably the former) and has demonstrated an active and intelligent interest in intercultural or international affairs. Policy of Institute is to award its fellowships in such a way that the number of Muslims and Westerners in the research programme remains approx. equal.

Political Science

[390] * † ‡ McGILL UNIV. *Alexander Mackenzie Fellowship* in Political Science. Tenable by a graduate of any accredited Univ. Such tenure conditional upon acceptance by Dept. of Economics and Political Science of applicant as being entitled to admission to Fac. of Graduate Studies and Research in field of Political Science. Value, $950. Certain amount of tutorial and teaching work required of holder. Under certain conditions, which may be ascertained from Dept. of Economics and Political Science, fellowship may be held for 2nd or 3rd yr. Each candidate should send (i) a letter of application, (ii) a certified copy of his academic record, (iii) not more than 3 testimonials, to Dean of Graduate Fac. before May 1. There are no application forms.

6. DENTISTRY

[391] * † ‡ DENTAL BOARD OF THE UNITED KINGDOM. *Overseas Study Grants.* A limited number of grants may be awarded each yr. in aid of expenses incurred in visits overseas, not normally exceeding 4 weeks in duration, for the purpose of furthering, by contact with others working in similar fields, research or postgraduate study in subjects connected with dentistry. Applicants, who must be working in the United Kingdom, must be either (*a*) engaged in substantial research, or (*b*) hold a dental teaching appointment or be employed in public service and engaged in advanced postgraduate study in a subject connected with dentistry in which the proposed visit is likely to be to the public benefit in furthering hat research or postgraduate study. Maximum value of grant will be not more than 75 per cent. of estimated cost of visit. Application forms from the Registrar of the Dental Board, 44 Hallam St., London, W.1.

* † LONDON UNIV.: BRITISH POSTGRADUATE MEDICAL FEDERATION. *Postgraduate Travelling Fellowships, see* Appendix II [196].

* NUFFIELD FOUNDATION, Nuffield Lodge, Regent's Park, London, N.W.1. *Dental Fellowships, see* Appendix II [142].

7. ECONOMICS AND SOCIOLOGY

[392] * † ‡ CARLETON COLL. *Scholarships* and *Fellowships* for study toward graduate diploma or M.A. in Public Administration. Value, $500-$1500 p.a. Details from Registrar, Carleton Coll., Ottawa 1, Ontario, Canada.

[393] * † ‡ HARVARD UNIV.: SCHOOL OF BUSINESS ADMINISTRATION. *Fellowships.* With the aim of contributing to Anglo-American understanding, co-operation and industrial development, the Harvard School of Business Administration, in conjunction with the British Institute

of Management, award two fellowships tenable at the Business School. Further particulars from the Director, British Institute of Management, Management House, 8 Hill St., London, W.1.

[394] McGILL UNIV. * † ‡ (i) *Arthur C. Tagge Fellowship, see* [383].
* † ‡ (ii) *University Fellowships, see* [383].

* † ‡ (iii) *Bronfman Fellowships* in Commerce and Economics. 2 of $1200 each offered to men and women who have graduated in Commerce or in Economics from accredited Univs. since Jan. 1, 1940. Holder entitled to apply again in subsequent yr. Holders expected to be in residence at McGill throughout academic session, and to be candidates for a higher degree at McGill. Small amount of teaching work may be asked. Application forms from Dean of Graduate Fac., to whom completed forms should be returned before May 1. Preference to applicants with previous research experience.

* † ‡ (iv) *Samuel Lapitsky Scholarship.* Value, $600; tenable by graduate of any accredited Univ Tenure is conditional upon acceptance of the student by Faculty of Graduate Studies and Research in field of Sociology or Anthropology. The scholp. is tenable in any yr. of graduate study and may be renewed for 2nd yr. A small amount of teaching work may be required. Application by letter to Chairman of Dept. not later than May 1.

* † ‡ MANCHESTER UNIV. *Simon Research Fellowships, see* Appendix II [154].

[395] TORONTO UNIV. * † ‡ *Cassidy Memorial Research Fund.* Object: to provide opportunities for fundamental research in Social Welfare and practice of Social Work. (i) *Cassidy Research Visiting Professorship.* Normally tenable for 1 yr. with possibility of extension for 2nd yr. Holder will rank as visiting member of senior Faculty of School of Social Work. Value, equivalent to salary of Associate or of full Professor, according to qualifications (present salary ranges: Assoc. Prof.—$6100-$7000; Prof.—$7200-$8200). (ii) *Cassidy Research Senior Fellowship.* Normally tenable for 1 yr.; may be extended under exceptional circumstances only. Holder will rank as Faculty member of School of Social Work and may be required to undertake limited responsibilities in the School's programme of research and instruction. Fellowship may be made on a full-time or part-time basis. Value of full-time Fellowship, equivalent to salary of Lectr. (present salary range—$3100-$4600). (iii) *Research Assistance Grants.* Grants towards cost of research projects in Social Welfare and Practice of Social Work may be awarded.

All awards are open to men and women from any country. Further particulars from Director, School of Social Work, Univ. of Toronto, Toronto, 5, Ontario, to whom applications should be sent not later than March 31, 1955, for 1956–57 awards.

8. ENGINEERING (General)

* † ‡ ALBERTA UNIV. *Shell Oil Fellowship, see* [403].

* † ‡ BRITISH COLUMBIA UNIV. *Shell Oil Fellowship, see* [403].

* † ‡ McGILL UNIV. *Shell Oil Fellowship, see* [403].

* † ‡ NATIONAL ACADEMY OF SCIENCES—THE ROYAL SOCIETY. *United States (F.O.A.) Research Fellowships, see* [404].

* † ‡ QUEEN'S UNIV. *Shell Oil Fellowship, see* [403].

* † ‡ TORONTO UNIV. *Shell Oil Fellowship, see* [403].

9. ENGINEERING (Special Subjects)

Chemical Engineering

* † ‡ ALBERTA UNIV. *C.I.L. Fellowship, see* [410].

* McGILL UNIV. *Inco Fellowships, see* [411].

[396] * † ‡ NEW SOUTH WALES UNIV. OF TECHNOLOGY. *Monsanto Research Scholarship.* Established by Monsanto Chemicals (Australia) Ltd. to promote research in Chemical Engineering. Annual total value of £A600 of which £A450 will be paid to the scholar, the remaining £A150 to the scholar or to the Univ. towards meeting expenses connected with scholar's work. Tenure, normally 1 yr.; may be re-awarded for an additional year. Awarded annually. Applications by Dec. 31.

Further particulars from the Registrar, New South Wales University of Technology, Broadway, Sydney, N.S.W., Australia.

Mining

* INSTITUTION OF MINING AND METALLURGY. *Travelling Fellowships, see under* Metallurgy [415A].

10. FISHERIES

* † ROYAL SOCIETY. *John Murray Studentship* for the encouragement of travel and work in Oceanography and Limnology, *see* Appendix II [187].

11. MEDICINE AND SURGERY (General)

* † LONDON UNIV : BRITISH POSTGRADUATE MEDICAL FEDERATION. *Postgraduate Travelling Fellowships, see* Appendix II [196].

[397] McGILL UNIV. * † ‡ (i) *Alexander McFee Fellowship, see* [411].

* † ‡ (ii) *J. B. Collip Fellowships* in Medical Research. Up to 3 awarded annually for study at McGill in Anatomy, Bacteriology, Biochemistry, Histology, Pathology, Pharmacology or Physiology. Value, $1500-$2500 each. Candidates must hold M.Sc. or Ph.D. in one of these subjects, or a degree in medicine, from a recognized Univ. Graduates of McGill medical fac. may be permitted to hold the fellowship at an approved institution elsewhere. Applications before Feb. 1 to Secretary of Fac. of Medicine, from whom application forms and further particulars may be obtained.

* † ‡ (iii) *A. A. Browne Memorial Fund.* Used either for a fellowship (A. A. Browne Memorial Fellowship) or for a grant to a dept. to provide technical assistance, equipment and supplies for medical research. Fellowship open to graduates of any recognized medical school for advancement of medical science, special preference being given to

subjects of Obstetrics and Gynæcology. Further particulars from Secretary of Fac. of Medicine.

* † ‡ (iv) *John McCrae Fellowship.* Value, $1000; may be awarded to candidates of the following types: (1) Graduates of any approved medical school who are candidates for the Diploma in Surgery, Urology, Otolaryngology, Radiology, etc., or (2) McGill graduates in Medicine, or (3) graduates of any approved medical school proceeding towards a McGill M.Sc. or Ph.D. in fields related to Surgery, etc., it being understood in all cases that the holder is expected to spend 12 mos. in full-time lab. or clinical research at McGill or an approved institution elsewhere. Further particulars from Dean of Fac. of Medicine, to whom applications should be sent not later than May 1. Preference to candidates aiming at a course in Surgery, and to research likely to contribute to Surgery and its branches.

[398] MEDICAL RESEARCH COUNCIL, 38 Old Queen St., Westminster, London, S.W.1. * † ‡ (i) *Rockefeller Medical Fellowships*, intended for graduates resident in U.K. who have had some training in research work in clinical medicine or surgery, or in some other branch of medical science, and who are likely to profit by a period of work at a centre in the United States or elsewhere abroad, before taking up positions for higher teaching or research in U.K. Stipend for single Fellow in U.S.A. ordinarily at rate of $2700 p.a., and $3900 for married Fellow. Travelling expenses and some other allowances paid in addition.

* † ‡ (ii) *Ely Lilly Travelling Fellowships in Medicine*, intended for graduates resident in U.K. who have had some training in research work in clinical medicine or surgery or in some other branch of medical science, and who are likely to profit by a period of work at a centre in the U.S. before taking up positions for higher teaching or research in the U.K. Stipend for a single Fellow ordinarily at rate of $2700 p.a., and $3900 for married Fellow. Travelling expenses and some other allowances paid in addition.

* (iii) *French Exchange Scholarships* in Medical Science. Open to suitably qualified British graduates for study in some branch of medical science, excluding clinical medicine, at centres in France under a reciprocal scheme with the Centre National de la Recherche Scientifique. Provision is made for maintenance allowance and travelling expenses.

Further particulars from the Secretary.

* † ‡ NATIONAL ACADEMY OF SCIENCES—THE ROYAL SOCIETY *United States (F.O.A.) Research Fellowships, see* [404].

* NUFFIELD FOUNDATION. *Medical Fellowships, see* Appendix II [203].

* † ROYAL COLL. OF SURGEONS. *Sir Arthur Sims Commonwealth Travelling Professorship, see* Appendix II [208].

12. MEDICINE AND SURGERY (Special Subjects)

Cancer

* † BRITISH EMPIRE CANCER CAMPAIGN. *Exchange Fellowship, see under* Medicine (Special Subjects)—Cancer [216].

[399] * † ‡ McGILL UNIV. *H. W. Molson Fellowship* in Cancer Research. Annual value, not less than $1000; renewable for not more than 4 yrs.; open to graduates of any recognized medical school. Course of training and research decided by Strathcona Professor of Pathology and Professor of Obstetrics and Gynæcology, and ordinarily comprises one or more yrs. of study in the Pathological Institute followed by clinical research in the Royal Victoria Hospital. Applications to Dean of Fac. of Medicine.

Cardiology

* † ‡ LONDON UNIV.: KING'S COLL. HOSPITAL MEDICAL SCHOOL. *Wiltshire Memorial Research Scholarship, see* Appendix II [198].

[400] * † ‡ McGILL UNIV. *Jeanette Victor and Joseph Schubert Memorial Scholarships.* Value, $250 each; open to graduates of any approved medical school who are registered in the Graduate Faculty of McGill Univ and who are principally engaged in research upon the physiology of the heart, or its diseases. Application by letter to Dean of the Graduate Faculty before May 1.

Obstetrics and Gynæcology

* † ‡ McGILL UNIV. *A. A. Browne Memorial Fund, see* [397].

Ophthalmology

[401] * † MEDICAL RESEARCH COUNCIL. *Alexander Pigott Wernher Memorial Trust Travelling Fellowships.* Subjects: Ophthalmology and Otology. Open to suitably qualified medical graduates in the British Commonwealth who have had previous training in Ophthalmological or Otological research. Ordinarily for 1 academic yr. Stipend £650 p.a. for single Fellow, and £900 p.a. for married Fellow, subject to adjustment in the case of Fellowships tenable outside the sterling area. Allowance for travelling and incidental expenses. Further particulars from Secretary, Medical Research Council, 38 Old Queen Street, Westminster, London, S.W.1.

* † ROYAL COLL. OF SURGEONS. *Sir Wm. Lister Award in Ophthalmology, see* Appendix II [235].

Oto-rhino-laryngology

* † MEDICAL RESEARCH COUNCIL. *Alexander Pigott Wernher Memorial Trust Travelling Fellowship, see* [401].

Tuberculosis

[402] * † MEDICAL RESEARCH COUNCIL. *Dorothy Temple Cross Research Fellowships in Tuberculosis,* for study or research by suitably qualified British subjects "intending to devote themselves to the advancement by teaching or research of curative or preventive treatment of tuberculosis in all or any of its forms." Ordinarily for study outside U.K. and for 1 academic yr. Stipend £650 p.a. for single Fellow, and £900

p.a. for married Fellow, subject to adjustment in the case of Fellowships tenable outside the sterling area. Allowance for travelling and incidental expenses. Further particulars from Secretary, Medical Research Council, 38 Old Queen Street, Westminster, London, S.W.1.

13. SCIENCE (General)

[403] ALBERTA UNIV. * † ‡ (i) *Cominco Fellowships.* The Consolidated Mining and Smelting Co. of Canada offers a fellowship of $1000 per yr. to a graduate in Science, Engineering or Agriculture of a recognized Univ., and preferably a Canadian citizen or other British subject resident in Canada, for research at the Univ. of Alberta in some field of pure or applied science preferably related to the mining, metallurgical or chemical industry in which the Company is interested. An additional $200 available for special equipment, etc. Similar awards available at the following Univs.: British Columbia, Laval, McGill, Manitoba, Queen's, Saskatchewan and Toronto.

* † ‡ (ii) *Shell Oil Fellowship.* Awarded annually. Value, $900 plus Univ. fees and certain expenses. Provided by Shell Oil Co. to sponsor research studies in Chemistry, Chemical Engineering, Mechanical Engineering, Geology, Physics or Geophysics leading to a postgraduate degree at the Univ. of Alberta. Open to graduates of any approved Univ. Similar awards available at the following Univs.: British Columbia, Laval, McGill, Queen's, Toronto.

Applications for each of above, to Registrar, by April 15.

BRITISH COLUMBIA UNIV. * † ‡ (i) *Cominco Fellowship, see* [403].

* † ‡ (ii) *Shell Oil Fellowship, see* [403].

MCGILL UNIV. * † ‡ (i) *Cominco Fellowship, see* [403].

* † ‡ (ii) *Shell Oil Fellowship, see* [403].

* † ‡ MANITOBA UNIV. *Cominco Fellowship, see* [403].

[404] * † ‡ NATIONAL ACADEMY OF SCIENCES—THE ROYAL SOCIETY. *United States (F.O.A.) Research Fellowships.* In response to a request from the Organization for European Economic Co-operation, the United States Govt. has provided funds of over a million dollars to enable 150 outstanding young scientists from Europe to travel to and live in the U.S.A. for up to 2 yrs. in order to study and gain experience in American research institutions. By this means it is hoped to advance scientific research and to facilitate the adoption of the results of scientific research in production techniques. The funds are available in the first instance until the end of 1955. The National Academy of Sciences, Washington, is administering the scheme and the Royal Society has accepted the invitation of the Academy to advise on the selection of candidates from the U.K. Successful candidates, who will be required to undertake to return to resume scientific work in their own countries on completion of tenure of fellowships, will be placed in American Univs. to participate with American colleagues in current fundamental scientific research as closely as possible related to their own fields of interest. Most of their time will be spent working in this way, but opportunities may also be provided towards the end of the

tenure of the fellowship for work on problems in industrial or other labs. in applied research related to the fundamental research they have previously carried out.

About 25 fellowships will be open for award to candidates from the U.K. No age limits are specified, but it is expected that most of the successful candidates will be between 26 and 32 yrs. of age. Applications will be considered from candidates who propose to do research in the natural sciences and in the engineering, agricultural and medical sciences, but excluding clinical medicine. They must be in possession of a doctoral degree in science recognized in institutions of higher education or have equivalent experience.

Applications, which may be made at any time, will be considered at regular intervals. Further particulars from the Asst. Secretary, The Royal Society, Burlington House, London, W.1.

[405] * † NEW ZEALAND DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. *National Research Scholarships.* Six awarded annually to enable selected science graduates to continue their studies in New Zealand and abroad. One awarded annually to applicants from the British Commonwealth for study in New Zealand. Tenure is for 2 yrs. with possibility of extension for 1 addl. yr. Value: for N.Z. students studying in the U.K. and for U.K. students studying in N.Z., £350 p.a. plus £100 towards travelling expenses between U.K. and N.Z.; for N.Z. students studying in N.Z. or Australia, £250 p.a. In addition, all scholarship holders may be paid up to £100 towards the costs of books, apparatus and college fees. U.K. students may obtain further particulars from the N.Z. Scientific Liaison Officer, B.C.S.O., Africa House, Kingsway, London, W.C.2. [*Discontinued in* 1955.]

* † ‡ QUEEN'S UNIV. (i) *Cominco Fellowship, see* [403]. (ii) *Shell Oil Fellowship, see* [403].

* † ROYAL SOCIETY. *Rutherford Scholarship, see* Appendix II [278].

[406] * † ‡ ROYAL SOCIETY AND NUFFIELD FOUNDATION. *Commonwealth Bursaries.* "For encouraging the efficiency of scientists of proven worth from countries of the Commonwealth by enabling them to pursue research, learn techniques or follow other forms of study where the environment in another Commonwealth country is peculiarly favourable." Travel and maintenance at the rate of about £600 p.a. are provided for periods of 2 to 12 mos. Applications by March 15 and Sept. 15 each yr. to the Asst. Secretary, The Royal Society, Burlington House, London, W.1, from whom forms of application and further particulars may be obtained.

[407] SASKATCHEWAN UNIV. * † ‡ (i) *Cominco Fellowship, see* [403].

* † ‡ (ii) *Province of Saskatchewan Graduate Research Scholarships.* The Govt. of the Province of Saskatchewan, through the Saskatchewan Research Council, offers graduate research scholps. tenable at Saskatchewan Univ., for the purpose of encouraging and assisting graduate students of great promise to proceed to higher degrees in preparation for a career in scientific and industrial research. Further object is to create interest in research relating to development of natural

resources of the Province and to train staff necessary to carry on scientific and technical work of industries that may be established in the Province. Annual value of each scholp. $800 or $1100, depending upon recipient's graduate experience. Applications to Co-ordinator of Research of Saskatchewan Research Council, Univ. of Saskatchewan, through Head of the Univ. Dept. concerned, before Feb. 1 preceding commencement of scholp. yr. Further information from Co-ordinator of Research, Univ. of Saskatchewan, Saskatoon, Sask., Canada.

TORONTO UNIV. * † ‡ (i) *Cominco Fellowship, see* [403]. * † ‡ (ii) *Shell Oil Fellowship, see* [403].

14. SCIENCE (Special Subjects)

Biochemistry

[408] * † ‡ MCGILL UNIV. *Canada Packers Ltd. Fellowships* in Biochemistry. Renewable fellowships of $1000 annually to assist graduates of any approved Univ. to proceed to higher degrees in Biochemistry under the direction of Prof. J. H. Quastel, to whom application should be made before May 1.

Botany

[409] * † ‡ CAPE TOWN UNIV. *Smuts Memorial Fellowship.* Value, not less than £300 p.a. for 2 yrs., with possible extension for 3rd yr., for study and research in botanical work on South African flora. Open to any qualified person whether South African or not but, other things being equal, preference given to a graduate of Univ. of Cape Town who is a citizen of Cape Town. The Fellow must carry out his work at the National Botanic Gardens and/or at Univ. of Cape Town.

Further particulars from the Registrar, Univ. of Cape Town, Private Bag, Rondebosch, South Africa.

Chemistry

[410] * † ‡ ALBERTA UNIV. *C.I.L. Fellowship.* Value, $900 p.a. plus $300. Offered by Canadian Industries, Ltd., for research in Chemistry or Chemical Engineering. Open to any British subject who is a graduate of a recognized Univ. Applications to Registrar by April 15.

* † CORDAY-MORGAN MEMORIAL FUND EXECUTIVE. *Corday-Morgan Commonwealth Fellowship, see* Appendix II [302].

[411] MCGILL UNIV. * † ‡ (i) *American Viscose Corporation Fellowship* in Cellulose Chemistry. Value $1500 p.a. May be granted to a graduate of any recognized Univ. who is a British or American subject and is to carry out research on esters or ethers of cellulose in the Division of Cellulose and Industrial Chemistry, located in the Pulp and Paper Research Institute. Applications to Prof. C. B. Purves not later than May 1.

* † ‡ (ii) *Gottesman Fellowship* in Wood Chemistry. For research in Pulp and Paper Research Institute under supervision of Dept. of Chemistry. Value, $800; offered annually. Candidate must be an American or British subject and a graduate of a recognized Univ.; he

will normally be expected to register at McGill as a candidate for a higher degree. Applications to Prof. C. B. Purves not later than May 1.

* † ‡ (iii) *Harold Hibbert Memorial Fellowship*. Value, approx. $3000; open to candidates who hold a Ph.D. in Chemistry from an approved Univ. or have equivalent qualifications; tenable for one calendar yr. in Dept. of Chemistry at McGill, where holder is expected to devote full time to research. Not renewable. Letters of application to Dean of Graduate Fac. by May 1.

* † ‡ (iv) *Inco Fellowships* (3). Tenable by students working for master's degree in Inorganic or Physical Chemistry, Chemical Engineering, Mining, Metallurgy, or Geology. Value, $500 each. One of three awards tenable at McGill. Letters of application to Dean of Graduate Fac. by May 1.

* † ‡ (v) *Alexander McFee Fellowship*. Open to graduates of any approved Univ. who are resident full-time candidates for higher degrees or diplomas at McGill. Value, $1000. Award for 1955 in Medical Sciences (with preference for Cancer research), for 1956 in Physics, for 1957 in Chemistry and so on in rotation. Applications to Dean of Graduate Fac. before May 1.

* † ‡ (vi) *C.I.L. Fellowships* (2) in Chemistry, each of value of $1200, each with additional grant of $300 for research expenses; tenable in Dept. of Chemistry (one in Division of Industrial and Cellulose Chemistry). Open to any British subject who is a graduate of a recognized University. Normally tenable for 1 yr. only, but in special cases may be renewed for 2nd yr. Applications to Chairman of Dept. of Chemistry not later than May 1.

[412] * † ‡ MANITOBA UNIV. *Canadian Industries Ltd. Research Fellowship*. Value, $1200 per yr. For postgraduate work in subjects related to the agricultural chemicals industry. Open to any British subject who is a graduate of a recognized Univ. Tenable for 1 yr. with possibility of renewal for a second yr. Further particulars from the Registrar.

[413] * † ‡ NATIONAL RESEARCH COUNCIL OF CANADA. *Postdoctorate Fellowships*. Mainly for research in Pure Chemistry and Physics. Tenable at N.R.C. Laboratories in Canada; also a limited number tenable in Canadian Univs. Applicants should possess a Ph.D. or equivalent from a recognized Univ. or should expect to obtain such a degree before taking up this award. Tenable for 1 yr., with possibility of renewal for a 2nd yr. Details normally advertised in Commonwealth Univs. towards the end of each calendar yr. Further information from the Secretary, Laboratories Awards Committee, National Research Council, Ottawa, Canada, or from the Chief Scientific Liaison Officer, National Research Council of Canada, Africa House, Kingsway, London, W.C.2.

[414] * † ‡ SASKATCHEWAN UNIV. *Canadian Industries Ltd. Fellowship*. Annual value $1200 plus grant to Univ. of $300 for maintenance. Intended to encourage postgraduate study in Dept. of Chemistry leading to a doctorate degree. Open to any British subject who is a graduate of a recognized Univ. May be renewed, under certain conditions, for

further term of one yr. Full information and application forms from Chemistry Dept. Application must be made before Feb. 1.

[415] * † ‡ WESTERN ONTARIO UNIV. *Canadian Industries Ltd. Fellowship.* Graduate Fellowship in Chemistry, value $1200 a yr.; open to any British subject who is a graduate of a recognised Univ.; for research in Chem. at the Univ. of Western Ontario. Applications to the Dean of Graduate Studies not later than May 1.

Geology

* † ‡ MCGILL UNIV. *Inco Fellowships see* [411].

Metallurgy

[415A] * INSTITUTION OF MINING AND METALLURGY, Salisbury House, Finsbury Circus, London, E C.2. A limited number of *Travelling Fellowships* will be offered by the Institution to members of the teaching staff of Univs. and approved schools of mines and metallurgy in the United Kingdom, to enable them to visit important mining and metallurgical centres and research establishments in other countries during the 1955 long vacation. The award is intended to meet the travelling expenses of the Fellow. Applicants should be 30 yrs. of age or over, and should be engaged in the teaching of mining engineering, extraction metallurgy, or economic geology. Tenure and value, according to individual requirements; in general, tenure will not exceed 3 mos. and value will not be greater than £500. Further particulars from the Secretary.

[416] IRON AND STEEL INSTITUTE, 4 Grosvenor Gardens, London, S.W.1. * † ‡ (i) *Andrew Carnegie Travelling Scholarships.* One or two awarded annually. Value according to circumstances of each case but normally of order of £500, though smaller or substantially greater sums may be given. Usually tenable for 1 yr.; to assist recipients to conduct research outside their own countries.

* † ‡ (ii) *Carnegie Research Grants.* Tenable in the recipient's own country. No one grant will normally exceed £350 in a year.

Candidates for both categories of award must be under 35; no restriction on sex or nationality. To enable investigators to conduct researches into the metallurgy of iron and steel, the results of the research to be communicated to the Institute in the form of a report for publication. An Andrew Carnegie Gold or Silver Medal may be awarded to the author of the report which in the opinion of the Council is the most meritorious of the year. Further particulars from the Secretary.

[417] * † MOND NICKEL FELLOWSHIPS COMMITTEE, 4 Grosvenor Gardens, London, S.W.1. A number of *Travelling Fellowships* are awarded annually in July to allow selected persons to undertake such training as will make them better capable of applying the results of research to the problems and processes of the British metallurgical and metal-using industries. Fellows are usually required to undergo a

programme of training in industrial establishments, but in exceptional cases the Committee may grant awards for training at a Univ. or Coll. Open to graduates, who should be under 35 yrs., of British nationality, and normally resident in the United Kingdom; the Committee has discretion to make awards to persons resident in other parts of the British Commonwealth. Average value £1000, tenable for 1 yr., renewable in exceptional cases.

Further particulars from the Secretary.

* † ‡ McGILL UNIV. *Inco Fellowships, see* [411].

Pharmacy

[418] * PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.1. *Charter Travelling Scholarship.* Value, £600. Offered normally each 2nd yr. Tenable for 1 yr., 9 calendar mos. of which must be outside Gt. Britain, to enable the scholar to further his training in a particular subject or subjects, to extend his teaching experience or to undertake research outside Gt. Britain. Applicants must be members of Pharm. Soc of Gt. Britain. Last day for applications, Jan. 1. Further particulars from the Secretary.

Physics

* † ‡ McGILL UNIV. *Alexander McFee Fellowship, see* [411].

[419] * † ‡ MELBOURNE UNIV. *Sir Thomas Lyle Fellowship.* Maximum value £A600 p.a.; tenable for 2 yrs. with provision for extension to a 3rd yr.; awarded for research in the Physics Dept of the Univ. of Melbourne under direction of the Prof. of Physics. Fellow to have status of Sr. Lectr. Open to Science graduates of approved Univs. who present satisfactory evidence of experience in research. Further details from Research Secretary, Univ. of Melbourne.

* † ‡ NATIONAL RESEARCH COUNCIL OF CANADA. *Postgraduate Fellowships, see* [413].

15. THEOLOGY

* † ‡ RHODES UNIV. *Hugh Le May Fellowship, see* [384].

APPENDIX IV

STUDENTS FROM OTHER COUNTRIES IN UNITED KINGDOM UNIVERSITIES AND UNIVERSITY COLLEGES

The total number of students from abroad* enrolled for full-time study or research † in United Kingdom Universities and University Colleges at the beginning of the academic year 1953–54 was 8619 (7424 men, 1195 women), which compares with 8277 in 1952–53 and 6264 in 1938–39. Of these, 5170 came to the United Kingdom from other parts of the Commonwealth (Aden 6, Antigua 4, Australia 360, Bahamas 4, Barbados 40, Basutoland 3, Bechuanaland 1, Bermuda 9, British Guiana 70, British Honduras 4, British Somaliland 3, Brunei 1, Cameroons 4, Canada 390, Ceylon 208, Cyprus 88, Dominica 3, Fiji 4, Gambia 9, Gibraltar 11, Gold Coast 207, Grenada 11, Hong Kong 89, India 1116, Jamaica 106, Kenya 171, Leeward Islands 1, Malaya, Federation of (*see also* Singapore), 208, Malta 13, Mauritius 112, Montserrat 2, New Zealand 195, Nigeria 572, North Borneo 1, Pakistan 254, Rhodesia and Nyasaland 89, St. Christopher-Nevis 1, St. Lucia 6, St. Vincent 1, Sarawak 2, Seychelles 5, Sierra Leone 53, Singapore (*see also* Malaya, Federation of), 51, South Africa, Union of, 449, Tanganyika 39, Trinidad and Tobago 138, Uganda 44, Zanzibar 11).

The 8619 overseas students were distributed in the Universities and Colleges as follows :

Birmingham 218, Bristol 148, Cambridge 860, Durham 347 (Durham Colleges 33, King's College, Newcastle 314), Leeds 281, Liverpool 172, London ‡ 3476 (Courtauld Inst. of Art 25, Inst. of Archæology 10, Inst. of Education 240, Sch. of Slavonic and East European Studies 22, Bedford 43, Birkbeck 35, Imperial 315, King's 121, L.S.E. 500, Queen Elizabeth 7, Queen Mary 52, Royal Holloway 8, Royal Veterinary 20, Sch. of Oriental and African Studies 127, Sch. of Pharmacy 17, University 495, Westfield 10, Wye 17, Theological Schools 8, Charing Cross 7, Guy's 78, King's Coll. Hosp. Med. Sch. 14, London Hosp. Med. Coll. 25, Middlesex 20, Royal Dental 1, Royal Free 43, St. Bartholomew's 20, St. George's 14, St. Mary's 26, St. Thomas's 29, University Coll. Hosp. Med. Sch. 18, Westminster 7, British Postgraduate Med. Fed. 475, London Sch. of Hygiene 99, Lister Inst. 6, Institutions with Recognized

* For *Yearbook* purposes a student is " from abroad " if his permanent home residence is overseas, *i.e.* one whose parents are only temporarily resident or employed abroad is not included, nor is one who was born abroad and may therefore have a foreign nationality, but who is now living permanently in the United Kingdom. For the purposes of this list the Channel Islands are not treated as " abroad."

† " Occasional " *undergraduate* students who follow a full-time course for a short period without intending to read for a University degree, diploma or certificate are not included. ‡ External students are not included.

Teachers 522), Manchester 361, Nottingham 84, Oxford 788, Reading 33, Sheffield 114, Southampton 51, Wales 182 (Aberystwyth 28, Bangor 42, Cardiff 57, Swansea 49, Welsh National Sch. of Med. 6), Exeter 151, Hull 77, Leicester 34, North Staffordshire 7, Aberdeen 63, Edinburgh 590, Glasgow 235, Royal Technical Coll. 86, St. Andrews 125, Belfast 136.

The countries from which the greatest numbers of students came were: India 1116, U.S.A. 756, Nigeria 572, South Africa, Union of, 449, Canada 390, Australia 360, Egypt 350, Norway 267.

The analysis below gives the total number of students from each of the various overseas countries, as well as some idea of their distribution at Universities here.

ASIA—Total, 2979

Aden—6 *Afghanistan*—3. *Arabia*—10. *Brunei*—1. *Burma*—76: London 44, Manchester 4, Edinburgh 12, Glasgow 4. *Ceylon*—208: Cambridge 30, London 108, Oxford 18, Edinburgh 10. *China*—56: Cambridge 9, Leeds 6, London 23. *Cyprus*—88: London 42, Manchester 5, Sheffield 4, Edinburgh 8, Glasgow 5. *Hong Kong*—89: Birmingham 5, Cambridge 7, London 39, Manchester 8. *India*—1116: Cambridge 78, Leeds 55, London 547, Manchester 57, Edinburgh 89, Glasgow 63. *Indo-China*—18. *Indonesia*—17. *Iraq*—217: London 97, Manchester 21, Wales 32, Belfast 10. *Israel*—119: Cambridge 9, London 77, Manchester 6, Oxford 9. *Japan*—27. *Jordan*—33. *Korea*—1. *Lebanon*—20. *Malaya, Federation of* (*see also* Singapore)—208: Bristol 11, Cambridge 30, London 78, Wales 12, Edinburgh 13, Belfast 14. *Nepal*—3. *North Borneo*—1. *Pakistan*—254: Cambridge 27, London 129, Manchester 20, Oxford 17, Edinburgh 15. *Persia*—88: Birmingham 19, Durham 5, London 38, Oxford 5, Edinburgh 3. *Philippine Islands*—13. [*Portuguese*] *India*—2. *Sarawak*—2. *Singapore* (*see also* Malaya, Federation of)—51: Cambridge 5, Durham 3, London 19, Exeter 3, Edinburgh 3, Belfast 4. *Syria*—35: London 15, Manchester 5. *Thailand*—165: Cambridge 13, Durham 11, Liverpool 19, London 51, Manchester 13. *Tibet*—1. *Turkey*—51: Cambridge 9, Leeds 8, London 19, Manchester 5.

AFRICA—Total, 2229

Anglo-Egyptian Sudan—67: Cambridge 8, Durham 6, London 20. *Basutoland*—3. *Bechuanaland*—1. *British Somaliland*—3. *Cameroons* [*British*]—4. *Egypt*—350: Cambridge 26, Leeds 22, London 164, Manchester 31, Exeter 19. *Ethiopia*—30. [*French*] *Togoland*—2. *Gambia*—9. *Gold Coast*—207: Cambridge 10, Durham 13, London 74, Exeter 10, Edinburgh 10, Glasgow 12. *Kenya*—171: Cambridge 14, Durham 10, London 50, Oxford 12, Edinburgh 16. *Liberia*—2. *Libya*—2. *Mauritius*—112: Durham 16, London 42, Oxford 7, Wales 8. *Morocco*—4. *Nigeria*—572: Durham 44, London 216, Exeter 45, Hull 47, Edinburgh 20. *Rhodesia and Nyasaland*—89: Bristol 6, Cambridge 21, London 30, Oxford 12. *Seychelles*—5. *Sierra Leone*—53: Birmingham 5, Durham 8, London 16, Hull 4. *South Africa, Union of*—449: Cambridge 87, Durham 18, London 171, Oxford 76, Edinburgh 45.

Tanganyika—39 : Cambridge 6, London 14, Oxford 4. *Uganda* 44 : Cambridge 5, London 13, Wales 5, Exeter 6. *Zanzibar*—11.

AMERICA—Total, 1632

Antigua—4. *Argentine*—23. *Bahamas*—4. *Barbados*—40 : Cambridge 14, London 9, Oxford 6. *Bermuda*—9. *Brazil*—18. *British Guiana*—70 : Cambridge 4, London 37, Aberdeen 4, Edinburgh 5. *British Honduras*—4. *Canada*—390 : Birmingham 11, Cambridge 55, London 185, Oxford 67, Edinburgh 23. *Chile*—12. *Colombia*—9. *Costa Rica*—1. *Cuba*—2. *Curaçao*—1. *Dominica*—3. *Ecuador*—3. *Grenada*—11. *Guatemala*—2. *Haiti*—1. *Honduras* [*Republic*]—3. *Jamaica*—106 : Cambridge 11, London 30, Oxford 14, Aberdeen 7, Edinburgh 17. *Leeward Islands*—1. *Mexico*—2. *Montserrat*—2. *Panama*—1. *Peru*—1. *Puerto Rico*—1. *St. Christopher-Nevis*—1. *St. Lucia*—6. *St. Vincent*—1. *Salvador*—4. *Trinidad and Tobago*—138 : Birmingham 13, Cambridge 12, London 37, Oxford 10, Belfast 10. *U.S.A.*—756 : Birmingham 24, Cambridge 89, London 246, Oxford 194, Edinburgh 89. *Uruguay*—1. *Venezuela*—1.

EUROPE—Total, 1212

Austria—33. *Belgium*—29. *Czechoslovakia*—5. *Denmark*—29. *Estonia*—1. *Finland*—10. *France*—105 : Cambridge 11, Leeds 6, London 39, Oxford 20, Edinburgh 11. *Germany*—119 : Cambridge 6, London 49, Oxford 15, Edinburgh 13. *Gibraltar*—11. *Greece*—172 : Cambridge 7, Durham 13, Leeds 40, London 62, Manchester 15. *Hungary*—12. *Iceland*—19. *Ireland, Republic of*—85 : Cambridge 19, Leeds 6, Liverpool 9, London 32, Oxford 8. *Italy*—40 : Cambridge 7, Leeds 4, London 16, Oxford 5. *Latvia*—2. *Luxembourg*—3. *Malta*—13. *Netherlands*—72 : Cambridge 9, London 19, Manchester 8, Edinburgh 9. *Norway*—267 : Birmingham 13, Durham 53, Leeds 19, London 38, Manchester 25, Glasgow 37. *Poland*—5. *Portugal*—29. *Rumania*—1. *Spain*—42 : Cambridge 5, Durham 3, London 15, Oxford 4, Edinburgh 11. *Sweden*—28. *Switzerland*—47 : Cambridge 10, London 19, Aberdeen 3, Edinburgh 8. *Yugoslavia*—33.

AUSTRALASIA—Total, 559

Australia—360 : Cambridge 73, London 149, Oxford 82, Edinburgh 19. *Fiji Islands*—4. *New Zealand*—195 : Cambridge 43, London 77, Oxford 33, Edinburgh 18.

STATELESS—8

APPENDIX V

COMMONWEALTH STUDIES IN UNITED KINGDOM UNIVERSITIES

A summary of the regulations governing the admission of students from the Commonwealth overseas to the United Kingdom Universities will be found in Appendix I above.

Appendix II lists many Fellowships and Scholarships which are tenable at United Kingdom Universities and University Colleges and for which graduates from the Commonwealth overseas are eligible to compete. University teachers on study leave, and postgraduate research workers, wishing to travel to the United Kingdom from another part of the Commonwealth, should note especially the Commonwealth University Interchange arrangements summarized on p. 1653. The awards listed in Appendix II are " open," *i.e.* not restricted to graduates of any one University. There are also other, restricted, awards, *e.g.* the Beaverbrook Scholarships tenable only at London University by graduates from the University of New Brunswick, Mount Allison University and University of Bishop's College, Lennoxville; the " Toronto " Fund, administered by Manchester University, from which grants are made to Canadian students, with a preference for those from the University of Toronto, who wish to conduct postgraduate study or research at Manchester; and the " 1940 Toronto Fund " (set up in 1947 with funds derived from contributions from Oxford parents of children who received hospitality in Canada during the war), from which grants are made to undergraduates or graduates of the University of Toronto who wish to attend a United Kingdom University. Exchange Scholarships arranged between St. Andrews University and Queen's University, Ontario, enable selected graduates or undergraduates of one University to spend a session of study at the other; Glasgow University and M'Gill University also have one Exchange Scholarship of this kind.

British Commonwealth Fellowships are sponsored by the Carnegie Corporation of New York in collaboration with the Institute of Commonwealth Studies (University of London), the Royal Institute of International Affairs, London, and St. Antony's College, Oxford. A limited number of fellowships is offered from time to time to scholars in Commonwealth Universities to enable them to spend a period of approximately 1 yr. at one of the collaborating institutions. The fellowships are *by invitation only* and individual applications are not entertained.

There are ample facilities at United Kingdom Universities and Colleges for the study of the Commonwealth and Colonial aspects of a great many subjects, including Agriculture, Anthropology, Archæology,

Botany, Economics, Geography, History, Law, Medicine (especially Tropical Medicine), Politics and Zoology. For details, *see* individual University entries above and the official publications of the various Universities. Attention is drawn to the following appointments and institutes:

BRISTOL. Professor of Imperial History; Lecturer in Colonial History and Administration; Research Fellow in Colonial Education.

CAMBRIDGE. A Smuts Memorial Fund, raised by public subscription to commemorate General Smuts's part in the development of the conception of the Commonwealth, has been presented to the University for the endowment of Commonwealth Studies at Cambridge. The establishment of a Smuts Professorship of the History of the British Commonwealth was a first charge on the fund, and P. N. S. Mansergh, O.B.E., B.Litt., M.A., D.Phil. Oxon., has been elected the first Professor. A Board of Managers will make recommendations from time to time for the advancement of Commonwealth Studies, in the widest sense of the term, by the use of the remainder of the income of the fund.

Other appointments include the Vere Harmsworth Professorship of Imperial and Naval History and a Lectureship in Colonial Studies.

LONDON. The University of London established in 1949 an Institute of Commonwealth Studies, with the object of promoting the study of Commonwealth problems (*see* p. 231); further information from the Secretary/Librarian, 27 Russell Square, London, W.C.1. The University maintains the following Chairs and Readerships in Commonwealth subjects: *Chairs*—Commonwealth Affairs; Imperial History; Education, with special reference to Education in Colonial Areas. *Readerships*—Colonial Administration; Imperial History; Law, with special reference to administration of Law in Colonial Territories.

OXFORD. An Institute for Colonial Studies was established in 1945; further information from the Director, 10 Keble Road, Oxford. University appointments include the following: Beit Professor of the History of the British Empire; Professor of Colonial Economic Affairs; Reader in Colonial Government; Reader in Indian History; Reader in Islamic Studies; Beit Lecturer in the History of the British Empire; University Lecturers in Social Anthropology, Colonial Government, Colonial Economics, Economics of Colonial Agriculture, Colonial History, Colonial Agriculture, Colonial Geography.

WALES. University College of Wales, Aberystwyth. Lecturer in Colonial History in Dept. of International Politics.

ABERDEEN. Lecturer in British Colonial and Dominion History.

APPENDIX VI

UNIVERSITIES OF THE REPUBLIC OF IRELAND

The following are associated for historical reasons with the Universities of the Commonwealth:

UNIVERSITY OF DUBLIN, TRINITY COLLEGE (p. 1770)
NATIONAL UNIVERSITY OF IRELAND (p. 1782)
UNIVERSITY COLLEGE, DUBLIN (p. 1785)
UNIVERSITY COLLEGE, CORK (p. 1791)
UNIVERSITY COLLEGE, GALWAY (p. 1796)

[*Information compiled as at* 8/9/54.]

UNIVERSITY OF DUBLIN, TRINITY COLLEGE

Founded 1592

Postal Address: Dublin, Republic of Ireland.
Telephone: Dublin 75631.

CHANCELLOR—The Rt. Hon. THE EARL OF IVEAGH, C.B., C.M.G., LL.D.

VICE-CHANCELLOR—The Rt. Hon. THE EARL OF ROSSE, LL.D.

VISITORS OF TRINITY COLLEGE—THE CHANCELLOR (or VICE-CHANCELLOR); The Hon. Mr. Justice T. C. KINGSMILL MOORE, LL.D.

PROVOST—A. J. McCONNELL, M.A., D. d'U. Rome, D.Sc. Belf., Sc.D.

LIBRARIAN—H. W. PARKE, M.A., Litt.D.

REGISTRAR—G. F. MITCHELL, M.A., M.Sc.

SENIOR LECTURER—D. E. W. WORMELL, M.A. Camb., Ph.D. Yale.

SENIOR TUTOR—T. W. MOODY, B.A. Belf., Ph.D. Lond., M.A.

REPRESENTATIVES IN SEANAD EIREANN—W. R. FEARON, M.A., M.B., Sc.D.; W. B. STANFORD, M.A., Litt.D.; O. L. S. SKEFFINGTON, M.A., Ph.D.

SENIOR FELLOWS OF THE COLLEGE

Gwynn, Rev. R. M., M.A., B.D., *Catechist.*
Luce, Rev. A. A., D.Lit. Belf., Litt.D., D.D.
Thrift, H., M.A., *Auditor.*
Johnston, J., M.A., *Sr. Proctor.*

Godfrey, F. La T., M.A. *Sr. Dean.*
Fearon, W. R., M.A., M.B., Sc.D.
Parke, H. W., M.A. Dub. and Oxon., Litt.D., *Vice-Provost and Librarian.*

JUNIOR FELLOWS OF THE COLLEGE

Duncan, G. A., M.A., LL.B., *Bursar.*
Broderick, T. S., M.A.
Walton, E. T. S., Ph.D. Camb., M.A., M.Sc.
Stanford, W. B., M.A., Litt.D.
Wormell, D. E. W., M.A. Camb., Ph.D. Yale, *Sr. Lectr. and Public Orator.*
Moody, T. W., B.A. Belf., Ph.D. Lond., M.A., *Sr. Tutor.*
O'Meara, R. A. Q., Sc.D., M.D., F.R.C.P.I.
Mitchell, G. F., M.A., M.Sc., *Registrar.*
*Quin, E. G., M.A.
*Furlong, E. J. J., M.A.
*Gregg, A. H., M.Sc. Belf., Ph.D. Lond., M.A.
Smyth, J. D., B.Sc., Ph.D.
*Luce, J. V., M.A.
Webb, D. A., M.A., Ph.D., Sc.D.
Pyle, W. F., M.A., Ph.D., *Jr. Dean and Registrar of Chambers.*
*McDowell, R. B., M.A., Ph.D.
*Pepper, D. C., M.A., B.Sc. Lond., Ph.D. Camb., *Jr. Proctor.*
*Lyons, F. S. L., M.A., Ph.D.
*Chubb, F. B., M.A., D.Phil. Oxon.
*Allen, A. C., B.Sc. Belf., Ph.D. Prin.
*Davie, D. A., M.A., Ph.D. Camb

HONORARY FELLOWS

Ross, Sir W. David, Litt.D.
Weaver, J. R. H., M.A., Litt.D.
Clark, Sir G. N., M.A. Camb. and Oxon., LL.D. Aberd., Dr. L.C. Utrecht, D.Litt. Durh., Oxon. and Sheff., Litt.D., F.B.A.
Starkie, W. F., C.B.E., M.A., Litt.D.
Synge, J. L., M.A., Sc.D., F.R.S.
Wordie, J. M., C.B.E., M.A.

TEACHING STAFF

Anatomy, Human, and Embryol., v. also Zool.

Erskine, C. A., Ph.D. Prof.
Gill, F., M.D. Univ. Anatomist.
Kinnear, N. A., M.B. (Appl. Anat.) Lectr.
Weekes, Blanche, M.B., M.Sc. (Hum. Anat.) Lectr.

Demonstrators

Chesney, C.
Indar, R.
Kingsmill Moore, J. M.

Anglo-Saxon

Liddell, M. F., M.A., Ph.D. Lectr.

Art, History of

Bodkin, T., Chev. Lég. d'H., M.A. Birm., D.Litt. N.U.I., Litt.D. Hon. Prof.

Astronomy

O'Connor, F. J., M.A. Lectr.

Biochemistry, v. Medicine, *infra*

Botany and Plant Biology

Webb, D. A., M.A., Ph.D., Sc.D. Prof.
Dawson, G. W. P., M.A. Camb., M.A., B.Sc. Lond. Lectr.
Boatman, D. J., B.Sc., Ph.D. Lond. Asst.

* Tutor Fellows.

Celtic Languages, v. also Irish
Knott, Eleanor, D.Litt. N.U.I., M.A. Lectr.
Quin, E. G., M.A. Lectr.

Chemistry
Cocker, W., Ph.D. Manc., Sc.D., F.R.I.C. Prof.
Pepper, D. C., B.Sc. Lond., Ph.D. Camb., M.A. Lectr.
Stuart, E. R., B.Sc. St. And., M A., F.R.I.C. Lectr
Hutchison, H. P., M.A. Oxon. Lectr.
Edward, J. T., B.Sc., Ph.D. McG., D.Phil. Oxon. Lectr.
Wheeler, D. M. S., B.Sc. N.U.I. Asst.
Stormont, D. J., B.Sc Asst. Lectr.

Classical Archæol
Parke, H. W., M.A., Litt.D. Louis Claude Purser Lectr.

Classics
Stanford, W. B., M.A., Litt.D. (Greek) Regius Prof.
Wormell, D. E. W., M.A. Camb., Ph.D. Yale (Latin) Prof.
Luce, J. V., M.A. Lectr.
Porter, W. H., M.A. Hon. Lectr.

Commerce
Lecturers
Byrne, J. J., M.A., LL.B. N.U.I., M.Sc. Camb. (Econ.).
Lyons, F. S. L., M.A., Ph.D. (Econ. Hist.).
Haughton, J. P., M.A., M.Sc. (Comm. Geog.).
Butler, W. B., M.A. (Accounting).
Thornton, E. H., M.A., M.Sc. (Econ.) Lond. (Statistics).
Magrath, C. R. R., M.A. (Bus. Organ., Banking, Foreign Trade).
Moran, Frances E., LL.D. (Comm. Law).
Corrigan, T. H., M.A. (Insurance).
Smurthwaite, J. (Indust. Psychol.).
Foley, P. A. (Transport).
Pakenham-Walsh, A. A., B.A. (Money and Credit).

Dentistry
Friel, E. S., M.Dent.Sc., Sc.D. (Orthodontics) Prof.
Ganly, A., B.Dent.Sc. (Dental Prosthetics) Lectr.
O'Brien, B. E., M.B. (Med. for Dental Students) Lectr.
Dockrell, R. B., B.Dent.Sc., M.B. (Dental Anat.) Lectr.
Healy, K. G., L.D.S. (Dental Surg.) Lectr.
Hogan, N. J., M.B., B.Dent.Sc. (Oral Surg.) Lectr.

Divinity, v. Theol., *infra*

Economics, v. Polit. Econ. and Commerce

Education
Crawford, Rev. E. A., B.D., Ph.D. Prof.
Little, Mrs. Anita C., M.A. Asst.
Layng, A. E., LL.D. Asst.
Wilson, C. D., B.A. Asst.

Engineering, Civil
Purser, J., M.Sc. Birm., M.A., M.A.I. Prof.
Graham, V. W., M.A. Lectr.
Roberts, A. I. N., B.A. Camb., M.A., B.A.I. (Building Construction) Lectr.
Fitzgibbon, G., M.A., M.A.I. Lectr.
Warwick, F. W., M.A., B.Sc. N.U.I. Lectr.
Kirwan, R. W., M.A.I. Asst.

Engineering, Electrical
O'Neill, J. W., B.A.I. (Practice of E. Eng.) Lectr.
O'Brien, Col. E., D.S.O., B.Sc. Leeds, M.A. (Railway Traction) Lectr.

Engineering, Sanitary, v. Public Health

English Lang. and Lit.

White, H. M. O., M.A. Belf. Prof.
Pyle, W. F., M.A., Ph.D. Reader.
French, R. B. D., M.A. Lectr.
Davie, D. A., M.A., Ph.D. Camb. Lectr.
Bradford, C. B., B.A. Wooster, Ph.D. Yale (American Lit.) Visiting Lectr.

Experimental Biology

Smyth, J. D , Ph.D. Prof.

French

Arnould, E. J. F , Ph.D., D.Lit. Lond., D. ès L. Paris Prof.
Skeffington, O. L. S., M.A., Ph.D. Reader.
Orgel, Vera, Ph.D. Lectr.
Leventhal, A. J., M.A., Ph.D. Lectr.
North, Meta E., M.A. Asst.

Geography

Haughton, J. P., M.A., M.Sc. Lectr.
Andrews, J. H , M A. Camb. Asst Lectr.
Davies, G. L., B.A. Manc. Asst. Lectr.

Geology and Mineralogy

Gill, W. D., D.Sc. Leeds, F.G.S. Prof.
Mitchell, G. F., M.A., M.Sc. Lectr.
Nevill, W. E., B.A., Ph.D. Lectr.

Geophysics

Poole, J. H. J., M.A., M.A.I., Sc.D. Prof.

German

Liddell, M. F., M.A. Dub. and Edin., Ph.D. Birm. Prof.
Scheyer, E., M.A. Bres., Dr. Juris. Berl. Asst.
North, Meta E., M.A. Asst.

Hebrew, v. Orient. Langs., *infra*

History, Ancient

Parke, H. W., M.A. Dub. and Oxon., Litt.D. Prof.

History, Ecclesiastical, v. Theol., *infra*

History, Modern, v. also Oratory and Hist.

Moody, T. W., B.A. Belf., Ph.D. Lond., M.A. Prof.
Otway - Ruthven, Annette J., Ph D. Lecky Prof.

Lecturers

McDowell, R. B., M.A., Ph.D.
Lyons, F. S. L., M.A., Ph.D.
Large, D., M.A. Oxon. and Dub.
O'Sullivan, D., M.A., Litt.D. (Internat. Affairs).

Irish

O'Toole, E., M.A. Dub. and N.U.I. Prof.
Knott, Eleanor, D.Litt. N.U.I., M.A. (Early Irish) Prof.
Beaumont, J. N., M.A. Lectr.
Risk, Mrs. May H., M.A., Ph.D. Lectr.
Ni Ghuairim, Miss Sorcha, M.A. Asst.

Irish Archæology

Mitchell, G. F., M.A., M.Sc. Lectr.

Italian

Griffith, T. G., M.A., B.Litt. Oxon. Lectr.
Tomacelli, E., D.Giur. Naples Lectr.

Law, v. *infra*

Mathematics

Broderick, T. S., M.A. Dub. and N.U.I. Erasmus Smith's Prof.
McConnell, A. J., D. d'U. Rome, M.A., Sc.D. Prof.

Lecturers

Allen, A. C., B.Sc. Belf., Ph.D. Prin.
Meredith, C. A., M.A. Camb.
Spain, B., Ph.D. Edin., M.Sc.

Graham, V. W., M.A.
Gardner, G. H. F., B.A.

Medicine, v. *infra*

Music

Hewson, G. H. P., M.A., Mus.D. Prof.

Oratory and Hist., v. also Hist., Mod.

Moody, T. W., B.A. Belf., Ph.D. Lond., M.A. Erasmus Smith's Prof.

Oriental Langs., v. *infra*

Philosophy

Furlong, E. J. J., M.A. Prof.
Luce, A. A., D.Lit. Belf., M.A., Litt.D., D.D. (Metaphysics) Berkeley Prof.
Hartford, Rev. R. R., M.A., D.D. (Ment. and Moral Sci.) Lectr.
Godfrey, F. La T., M.A. (Hist. of P.) Lectr.
Denard, W. V., M.A., B.Litt. Lectr.

Phonetics

Quin, E. G., M.A. Lectr.

Physics

Walton, E. T. S., Ph.D. Camb., M.A., M.Sc. Erasmus Smith's Prof.

Lecturers

Poole, J. H. J., M.A., M.A.I., Sc.D.
Gregg, A. H., M.Sc. Belf., Ph.D. Lond., M.A.
Delaney, C. F. G., B.Sc., Ph.D.
Elliott, R. B., B.A., M.Sc. Birm.

Physiology

Torrens, D. S., M.A., M.B. Prof. and King's Prof. of Insts. of Med.
Wilson, R., M.D. (Appl. P.) Lectr.
Fry, R. J. M., M.B. Lectr.
McCarthy, G. S., B.A. Asst.

Political Economy, v. also Comm.

Duncan, G. A., M.A., LL.B. Prof.
Johnston, J., M.A. (Appl. Econ.) Prof.
Ryan, W. J. L., M.A., Ph.D. Lectr.
Byrne, J. J., M.A., LL.B. N.U.I., M.Sc. Camb. Lectr.

Political Science

Armstrong, Olive G., M.A. Lectr.
Chubb, F. B., M.A., D.Phil. Oxon. Lectr.

Russian

McMackin, Margaret M., M.A. Belf. Lectr.

Spanish

Riley, E. C., B.A. Oxon., M.A. Lectr.
Trotter, G. D., B.A. Asst.
Watson, A. I. Asst.

Theology, v. *infra*

Zoology and Compar. Anat.

Gatenby, J. B., B.Sc., D.Phil. Oxon., D.Sc. Lond., M.A., Ph.D. Prof.
Howie, D. I D., B.Sc. St. And. Asst.

Law

Moran, Frances E., M.A., LL.D. Reg. Prof. of Laws.
Dowrick, F. E., M.A. Oxon. Lectr.

Administrative and Indust. Law

King, F. C., M.A. Lectr.

Penal Legislation, Const. and Crim. L., and L. of Evidence

Cassidy, Agnes B., LL.B., M.A. Reid Prof.

Roman Law

M'Kenna, C. B., LL.D. Lectr.

Medicine (Physic)

(for subjects of the first 2 yrs.—Anat., etc., v. *supra*)

Moorhead, T. G., LL.D. Belf., M.D., D.P.H., F.R.C.P.I. Reg. Prof. of Physic.

Synge, V. M., M.D. (Practice of Med.) King's Prof.
O'Brien, B. E., M.A., M.D. Asst.

Anæsthetics
McCormick, V. O., M.B. Lectr.

Bacteriology and Preventive Med.
Stewart, F. S., M.D. Prof.
McKeever, J. D., M.D. Lectr.
Pomeroy, Harriet M., B.A. Asst.

Demonstrators
Crennell, Adeline R., B.A.
Carson, Helena E. W., B.A.
Roberts, W. S. L., B.A.

Biochemistry
Fearon, W. R., M.A., M.B., Sc.D. Prof.
Boggust, W. A., M.Sc. Durh., Ph.D. Lectr.

Laryngology and Otology
Woods, R. R., M.B., F.R.C.S.I. Lectr.

Materia Medica and Pharmacy
Micks, R. H., M.A., M.D. King's Prof.

Medical Jurisprudence
Wallace, J. A., B.Sc., M.B. Lectr.

Medicine, Experimental
O'Meara, R. A. Q., Sc.D., M.D., F.R.C.P.I. Prof.

Midwifery
Davidson, A. H., M.D. King's Prof.
Fleming, J. B., M.A.O., M.D. (Midwifery and Gynæcol.) Prof.
McVey, H., M.B. Asst.

Pathology
O'Meara, R. A. Q., Sc.D., M.D., F.R.C.P.I. Prof.
Hackett, W. E. R., M.D. (Clin. P.) Reader.
McNally, P. A., M.Sc., M.D., F.R.C.P.I. (Appl. P.) Lectr.
Pringle, S., M.B., M.Ch., F.R.C.S.I. (P. of Bone) Hon. Lectr.
MacCarthy, Joan M., M.D., B.Sc. N.U.I., M.A. Lectr.

Psychological Medicine
Bennet, E. A., M.C., M.A., Sc.D., M.D., D.P.M. Lectr.
Eustace, H. J., M.B. Lectr.
Moore, J. N. P., M.D. Lectr.

Public Health
Lecturers
Roberts, A. I. N., B.A.I. (San. Constrn. and Planning).
Collis, W. R. C., F.R.C.P., F.R.C.P.I. (Pædiatrics).
Steen, R. E., M.D., F.R.C.P.I. (Pædiatrics).

Radiology
McDonogh, C. L., M.A., M.D. Lectr.

Social Medicine
Jessop, W. J. E., M.Sc., M.D., F.R.C.P.I. Prof.
Pringle, R. B., M.B., B.Chir. Camb., F.R.C.P.I. (Indust. Med.) Lectr.
McCormack, J. D., Hon. M.Sc. N.U.I. (Control of Infectious Diseases) Lectr.

Surgery
McConnell, A. A., M.A., M.Ch., F.R.C.S.I. Regius Prof.
Henry, R. F. J., M.B., F.R.C.S.I. Prof.
McCollum, S. T., M.B., F.R.C.S. Asst.

Surgery, Orthopædic
Chance, A., M.Ch., M.D., F.R.C.S. Hon. Prof.

Surgery, Urological
Lane, T. J. D., M.A., M.D., M.Ch., F.R.C.S.I. Lectr.

Oriental Languages

Arabic
Weingreen, J., M.A., Ph.D. Lectr.

Hebrew

Weingreen, J., M.A., Ph.D. Erasmus Smith's Prof.
Gwynn, Rev. R. M., M.A., B.D. Lectr.
Baker, J., M.A., LL.B., Ph.D. Lectr.

Sanskrit and Compar. Philol.

Quin, E. G., M.A. Lectr.

Theology

(v. also Orient. Langs.)

Biblical Greek

Gwynn, Rev. R. M., M.A., B.D. Prof.

Divinity

Oulton, Rev. J. E. L., M.A., D.D. Regius Prof.
Hartford, Rev. R. R., M.A., D.D. Archbishop King's Prof.
Armstrong, J. W., B.D. Wallace Lectr.
Jenkins, Rev. R. G. F., M.A., B.D. (Bible) Lectr.

Assistants

Proctor, Rev. W. C. G., B.D.
Greening, Rev. E. W., B.D.
Salmon, Rev. T. N. D. C., B.D.
Daunt, Rev. E. G., B.D.

Ecclesiastical Hist.

Jourdan, Rev. Canon G. V., D.D., Litt.D. Prof.

Pastoral Theology

Kerr, Rev. R. J., M.A. Prof.

Donnellan Lecturer

1954—Prof C. Frankel, Ph.D. Col.

John Joly Lecturer

1953—Prof W. A. Kennedy, D Sc , F R.S.

John Mallet Purser Lecturer

1953—Prof. E. B. Verney, F.R.S , F.R.C.P.

ADMINISTRATIVE AND OTHER STAFF

Public Orator: D. E. W. Wormell, M.A. Camb., Ph.D. Yale. Deputy Librarian: R. O. Dougan. Asst. Registrar: J. H. Shaw, M.A. Lady Registrar: Christabel F. Godfrey, M.A. Asst. Lady Registrar: Margaret E. MacManus, B.A. Sec., Appointments Office: A. H. B. McClatchey, M.A. Oxon. Sec., Houses of Residence Cttee.: G. J. Simms, M.A., Ph.D. Law Agent and Keeper of the Records: D. McGillycuddy, B.A. Medical Adviser to Resident Students: J. A. Wallace, B.Sc., M.D. Consulting Architect: A. I. N. Roberts, B.A. Camb., M.A., B.A.I. Accountant: C. B. Kennedy, M.A. Warden, Trinity Hall: Clara B. Crawford, M.A. Deans of Residence—(Presbyterian Students) Rev. G. B. G. McConnell, B.A. Belf.; (Church of Ireland) Rev. R. K. Maguire, M.A.; (Methodist) Rev. R. G. Livingstone, M.A.

ASSOCIATED COLLEGES

MAGEE UNIVERSITY COLLEGE, Londonderry. (*Telephone*: Londonderry 2145.) President, Prof. T. Finnegan, M.A. Camb. For portion of B.A. course.

CHURCH OF IRELAND TRAINING COLLEGE, 4 Kildare Place, Dublin. (*Telephone*: 62946.) Chaplain-Secretary, Rev. R. J. Ross, M.A., B.D. The 2 yrs.' course of training for teaching in elementary schools is conducted partly at Trinity College, Dublin, and exempts from 1 yr. of B.A. course provided that the candidate is qualified in the 2 langs. required for matric.

VETERINARY COLLEGE OF IRELAND, Ballsbridge, Dublin. (*Telephone*: 64384.) Principal, Prof. J. A. Nicholson. A student may take his preliminary

scientific work and an Arts course in Trinity College and his professional Veterinary studies in the Veterinary College.

GENERAL INFORMATION

Trinity College was founded and incorporated by Royal Charter in 1592 as " Mater Universitatis," but no other College has been founded, so that " Dublin Univ." and " Trinity College " are practically interchangeable terms. The Corporation of the College was put on its present basis by Letters Patent in 1637. Letters Patent of 1911 transferred the powers of making statutes from the Crown to the Corporation, subject to the consent of a majority of the Fellows and the approval of the Visitors. The general government of the College is in the hands of the Board of Trinity College, which consists of the Provost, Senior Fellows, 2 representatives of Junior Fellows and 2 representatives of the non-Fellow Profs. The Univ. Council, formed by representatives from the Board and various Faculties and Schools, has the right of nomination to most Professorships, and in conjunction with the Board can make changes in the curriculum, but otherwise has only advisory functions.

The College occupies a large site in the middle of the city, with ample grounds for recreation and athletics.

INCOME (1953–54). Total income, £246,000 (Govt. grant, 35·5 per cent.; endowments, 29·5 per cent.; fees, 35 per cent.).

The LIBRARY of Trinity College has enjoyed since 1801 the privilege of receiving a copy of every book published in the United Kingdom. It contains about 800,000 printed books, amongst which there is, in the Fagel Library, a group of early pamphlets relating to the Dutch and English East and West India Companies. The MSS. are over 2000 in number, and include an important collection in Irish. A General Catalogue of the MSS. was published in 1900, and a Revised Catalogue of the Irish MSS. in 1921. A Catalogue of Printed Books in the library in 1872 was published in 1887. The Lecky Library, based on the library of the historian W. E. H. Lecky, caters for the schools of Hist., Econ. and Legal Sci. There are smaller libraries in the Schools of Mod. Langs., Med., Maths., Nat. Scis., Geog., Philol. and Educn.

MUSEUMS. The scientific museums include Zool. and Comp. Anat., Geol. and Mineral., Anat., Pathol. The Zoological collection is one of the best in the country. The series of vertebrate osteology is extensive. Attached Laboratories offer all facilities for research work. The collection of Geological and Mineralogical specimens is also extensive.

LABORATORIES. Anat., Bacteriol., Biochem., Bot., Chem., Engin., Exp. Biol., Geol., Geog., Histol., Pathol., Physical (Iveagh), Physiol., Social Med. (Moyne), Zool.

HERBARIUM (rich in plants of N. America, India, S. Africa and Australia). BOTANIC GARDENS, 8 acres.

Ample facilities for clinical studies and many appointments for graduates are available in numerous HOSPITALS, including the well-known Rotunda. The Irish High Court is situated within a short distance of the College.

PROFESSIONAL SCHOOLS. Divinity, Law, Physics, Engin., Social Sci., Agric., Forestry, Music, Educn., Comm., Vet. Registrars: *Law*—F. E. Dowrick, M.A.; *Engin.*—J. Purser, M.Sc., M.A., M.A.I.; *Music*—G. H. P. Hewson, M.A, Mus.D.; *Educn.*—Rev. E. A. Crawford, B.D., Ph.D.; *Agric.*—J. Purser, M.Sc., M.A., M.A.I.; *Comm.*—J. J. Byrne, M.A., LL.B., M.Sc.; *Social Sci.*—Eileen Duncan, M.Sc.

ADMISSION. All applications must be made to the Sr. Tutor. The Matric. Examn., held 3 times a yr., comprises (1) Maths., (2) English Composition and Lit., (3) two of Latin, Greek, Irish, French, German, Italian, Spanish, (4) one of Phys., Chem., Hist., Geog., Biol. Candidates for admission to the honor schools of classics, mental and moral sci., mod. lit., ancient and mod. lit., Celtic langs., Oriental langs., mod. hist., pol. sci. and legal sci., and to the professional schools of divinity and law, are required to qualify in Latin.

Examns. exempting from matric. include : Leaving Cert. of Dept. of Educn., Ireland ; Sr. Cert. of Ministry of Educn., N. Ireland ; General Cert. of Educn. in England and Wales ; matric. examn. of any Irish or British Univ. and of any other Univs. recognized by the Board of Trinity College. If such a cert. does not cover all the prescribed subjects of matric., the candidate must pass the Dublin matric. examn. in the subject or subjects in which he is deficient. Only one cert. is accepted for partial exemption, and not more than two for complete exemption. Exemption is granted to overseas students (*i.e.* students from outside Ireland and Great Britain) only if their certs. include a high qualification in English and one other subject and a qualification in a second European lang. Overseas students may obtain exemption from one European lang. other than English on presenting evidence of having passed a recognized examn. in their own lang. Having qualified for matric., candidates must obtain admission from the Sr. Tutor, for which purpose they must produce evidence of character. Financial guarantees are required from overseas students. All candidates for admission to the Schools of Phys., Natural Sci. and Agric. must, in addition to complying with the foregoing general requirements, be approved by the admission committee of the School concerned. Overseas candidates for admission to the Honour school of Legal Sci. and to the professional School of Law must be approved by the Legal Studies Admission Cttee. All candidates who have been admitted by the Sr. Tutor enter the College by paying the first College fee. The collegiate interests of all students on the College books are under the guardianship of the Tutor-Fellows (*see* list above). Students are normally assigned to Tutors by the Sr. Tutor at entrance.

ADMISSION TO ADVANCED STANDING. Special Regns. provide for the grant of credit for previous academic attainments at the Univs. of Oxford and Cambridge, while students or graduates of other recognized Univs. may be allowed credit *pro tanto* for one or two yrs. of the Dublin Arts course.

DEGREES. Every student must take the B.A. before proceeding to any other degree, except in music. The Regns. concerning higher degrees are set out below. The course lasts 4 yrs., but it is possible to complete the course within 3 yrs. from entrance by taking the final examn. of the 1st yr. at the time of entering. All students not in a professional school are required to attend Arts lectures in every term, unless specially exempted (*e.g.* those earning their living by teaching). If exempted they are required to pass extra examns. Exemption from attendance is never granted to students taking scientific subjects for the B.A.(Sc.).

Engl. Composition is a compulsory subj. throughout the Pass B.A. course ; otherwise a wide freedom in choice of subjects is allowed. Candidates must present themselves in Engl. Composition and 4 subjs. at the Pass B.A. examn. Exemptions are granted to Law, Engin., Comm. and Div. students. For Med. students there is a specially reduced Arts course throughout.

The *Honours* B.A.—known as *Moderatorship*—can be taken in 13 different groups : viz. 1. Maths. ; 2. Classics ; 3. Mental and Moral Sci. ; 4. Exper. Sci. ; 5. Nat. Sci. ; 6. Mod. Lit. ; 7. Anc. and Mod. Lit. ; 8. Celtic Langs. ; 9.

Oriental Langs.; 10. Anc. Hist. and Pol. Sci.; 11. Mod. Hist. and Pol. Sci.; 12. Econ. and Pol. Sci.; 13. Legal Sci. The course for each lasts 4 yrs.

A B.A. of 3 yrs.' standing may be admitted M.A. There is no examn. for this, nor is a thesis required.

The B.Litt. is obtained by a thesis, and candidates must have at least 1 yr.'s standing as B.A. They must also, except by special permission of the Board, be graduates with 1st or 2nd Class Honours of Dublin or of an approved University.

The Pass B.A.(Sc.) is obtained by a 4-yr. course covering approx. the same ground as the first three yrs. of the honour course in Natural Science. In the last two years the student studies 3 subjects chosen from Physics, Chem., Bot., Zool., Geol., Geog.

The B.D. is obtained by an examn. open to all grads. in Arts; the D.D. is open to any B.D., 8 yrs. after taking B.A., and is awarded on a thesis or published Theol. work.

The LL.B. course covers 2 yrs.; the M.B., B.Ch. and B.A.O., 6 yrs.; B.Dent.Sc., 6 yrs.; B.A.I., 3 yrs. (optional 4th yr. in Elec. and Mech. Engin.); Agr.B. or Agr. (Forestry) B., 4 yrs., of which 3rd and 4th are taken in Univ. Coll. (N.U.I.); B.Comm., 3 yrs. These courses are taken concurrently with the Arts course. A course lasting less than 4 yrs. is taken concurrently with the last 3 or 2 yrs. of the Arts course. The M.Sc. and Ph.D. involve postgraduate study and research for 1 yr. and 2 yrs. respectively. Candidates for M.Sc. must be science graduates with 1st or 2nd class honours. Candidates for Ph.D. must, except by special permission of the Board, be graduates with 1st class honours.

A candidate for the Sc.D. or Litt.D. must have at least 3 yrs.' standing as B.A., or have obtained M.Sc., B.Litt. or Ph.D., and submit important original work; for LL.D. must be of M.A. standing—a thesis or a published work is required; for M.D. must have taken the M.B. degree, be of M.A. standing; for M.Ch. must be a B.Ch. of 3 yrs.' standing; for M.A.O., a B.A.O. of 2 yrs.' standing; a thesis or examn. is required for M.D., an examn. for the M.Ch. or M.A.O. A candidate for M.Dent.Sc. must be a B.Dent.Sc. of 3 yrs.' standing, and pass an examn.; for M.A.I. must have practised his profession for 3 yrs. after graduating as B.A.I.

The Mus.B. is granted after an exercise or practical test and 2 examns., the Mus.D. after an exercise and examn.

DIPLOMAS in Agric., 4 yrs.; Soc. Studies, Public Admin., 2 yrs.; Biblical Studies, 1 or 2 yrs.; Educn., Mech. Engin., 1 yr.; Gynæc. and Obst., 6 mos.; Geog., Religious Knowledge (women), Hist. of European Painting, examn. only.

Licence in Engineering (first 2 yrs. of Arts course and complete course in Engineering). Licence in Med., Surg. and Obst. Science.

Testimonium in Divinity (3 yrs.' course).

FEES. Matric., £5; College Fee, covering all Arts and Science Lectures, £50 p.a., with addnl. laboratory fees in Science. Med. course total (including College, Hospitals and Degree fees), about £440; Dental Sci. total (including College, Hospital and Degree fees), about £520; Engin. (3 yrs.), £52 (minimum), in addition to College fees; Divinity free for students in Arts, £30 p.a. for others; Commerce, £54 (if Arts Course is taken), £80 (for students taking dipl. only).

AWARDS OPEN TO GRADUATES OF OTHER UNIVERSITIES. Madden Prize Fund (income about £424 p.a.) available for awards to unsuccessful candidates at Fellowships examn. (open to grads. of other Univs.).

APPOINTMENTS OFFICE. For Sec. *see* p. 1776. *Telephone*: Dublin 77151.

EXCHANGE OF STUDENTS. Exchanges of students are arranged with European countries. Visiting students give lectures, mainly on conversational French and German, and in return may attend any lectures free of charge and are given free board and lodging.

STUDENTS FROM OVERSEAS. Students of American and other foreign Universities, if recommended by their Universities, may work for an academic year in Trinity College ; fee, £55. Students may also be admitted for 1 term ; fees vary with the Courses followed. Applications to Sr. Tutor.

INTERNATIONAL SUMMER SCHOOL. Usually held in July each year. Applications to Registrar of the Summer School.

RESIDENCE. The College has accommodation for about 350 men students. Rent £15 to £30 p.a. for single sets and proportionately for double sets of rooms; dinner in Hall, £1 : 4s. 6d. a week. Trinity Hall (Warden : Clara B. Crawford, M.A.) accommodates 80 women ; board and residence, about £42 per term of 10 weeks. There is also a hostel for Divinity students of the Church of Ireland.

PUBLICATIONS. *Calendar* (Oct.), 5s., includes information about courses, etc. ; annual Suppt., 2s., results of examns., degrees conferred, etc. ; special Suppt. (occasional), lists of past honours, benefactors, etc. A *Summary Guide for Students* and booklets on particular courses, etc., are available, free of charge, on application to the Sr. Tutor. *Examn. Papers* of the several Honour schools ; of the several Professional schools ; of Entrance examns. and prizes, and of Pass Arts, are published in pamphlet form at 1s. 6d. per set. *Hermathena* (twice yearly), original papers in Arts subjects, price 10s. *Trinity*, an annual record. *T.C.D., Trinity News* (Students'), weekly in term.

Histories, etc. *A History of Trinity College, Dublin*, Vol. I, 1591–1892, by Constantia Maxwell ; Vol. II, 1892–1945, by Kenneth C. Bailey (Dublin Univ. Press, 1946–47). *Trinity College, Dublin*, by W. Macneile Dixon (1902). *Alumni Dublinenses*, 1593–1860 (2nd ed., 1935).

UNIVERSITY PRESS. The Univ. Press, housed within the walls of the College in a bldg. erected for the purpose in 1734, is primarily the College printing-house, but it has also published many books, beginning with the *Prognostics* of Hippocrates (1736). Manager—P. F. Williams.

THE YEAR 1952–53

PRINCIPAL BENEFACTIONS. Estate of Dr. E. A. Benians, £100 ; friends of late Jean Montgomery, £940 to provide commons for two students of narrow means ; representatives of Rev. W. E. P. Cotter, £2600 to assist women students of narrow means and to found prizes in philos. and langs. ; T.C.D. Educational Endowment Fund, £4000 for building.

DEATHS. Dr. H. H. Dixon (Hon. Fellow) ; Dr. T. F. O'Rahilly (Hon. Prof.); Dr. T. P. C. Kirkpatrick (Hon. Prof.).

HONORARY DEGREES. *Sc.D.*—E. J. Conway; C. K. Ingold. *Litt.D.*—W. F. Allbright ; Hon. H. Nicolson ; C. D. Broad ; T. E. Jessop ; H. H. Price. *LL.D.*—Hon. Grania Maeve Rosaura, Marchioness of Normanby; T. Finnegan ; H. Harrison ; Evie S. Hone.

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	1382	243
Women	613	26
Total	1995	269

Postgraduate students, 130.
First-year admissions, 428.

DEGREES. B.A., 361; M.A., 108; Litt.D., 5; Ph.D., 5; B.Litt., 7; B.D., 5; M.B., 75; M.D., 6; B.Dent.Sc., 4; B.A.I., 31; M.A.I., 1; B.Comm. 31; LL.B., 21; M.Sc., 3; B.Sc. (Vet.), 4; Agr.B., 2; Mus.D., 1; D.D., 2; LL.D., 5; Sc.D., 2.

[*Information compiled as at* 16/9/54.]

THE NATIONAL UNIVERSITY OF IRELAND

Founded 1909

Postal Address: 49 Merrion Square, Dublin, Republic of Ireland.
Telegrams: Natuniv, Dublin.
Telephone (Registrar): Dublin 67246–7.

CHANCELLOR—EAMON DE VALERA, T.D., B.A., B.Sc., Ph.D., LL.D.

VICE-CHANCELLOR—(for biennium ending Dec. 31, 1955), Rt. Rev. Mgr. PÁDRAIG DE BRÚN, M.A., D.Sc., President, University College, Galway.*

PRO-VICE-CHANCELLORS—THE PRESIDENTS, UNIV. COLLS. OF CORK AND DUBLIN AND ST. PATRICK'S COLL., MAYNOOTH.

REGISTRAR—SÉAMUS WILMOT, B.A., B.Comm., LL.D.

REPRESENTATIVES IN SEANAD EIREANN—Professor H. L. BARNIVILLE, B.A., M.D., M.Ch.; Professor GEORGE O'BRIEN, D.Litt.; Professor R. J. MCHUGH, M.A., Ph.D.

ADMINISTRATIVE AND OTHER STAFF

Chief Clerk: J. P. Kane, B.Comm. Accountant Clerk: J. Bourke, M.Comm. Other Clerks: Mary E. O'Connor; P. J. Costello, M.A., B.Comm., H.Dip. in Ed., Dip.Pub.Adm.; T. I. Kelly, B.Comm.; M. J. Tracy, B.A., B.Comm.

CONVOCATION. Chairman: P. Bulman, B.Comm. Clerk: T. A. O'Rourke, B.A., B.Comm., H.Dip. in Ed.

CONSTITUENT COLLEGES

UNIVERSITY COLLEGE, DUBLIN: *see* p. 1785.

UNIVERSITY COLLEGE, CORK: *see* p. 1791.

UNIVERSITY COLLEGE, GALWAY: *see* p. 1796.

RECOGNIZED COLLEGE

ST. PATRICK'S COLLEGE, MAYNOOTH. (*Telephone*: Maynooth 4.) President—Rt. Rev. Monsignor Edward Kissane, D.Litt., D.D. Founded 1795 by Act of George III, entitled "An Act for the better Education of persons professing the Popish or Roman Catholic Religion" (35 Geo. III, c. 21). Recognized College of The National University of Ireland, 1908.

* To be succeeded as Vice-Chancellor of the University, for the biennium ending Dec. 31 1957, by Michael Tierney, M.A., D.Litt., President, University College, Dublin.

Recognized Teachers in approved degree courses. *Classics*—Rev. D. Meehan, M.A.; Rev. J. Hackett, M.A., D.D.; Rev. W. Meany, M.A., D.D. *Education*—Rev. P. Birch, M.A., Ph.D., H.Dip. in Ed. *English*—Rev. J. J. McMackin, M.A. *French*—Rev. H. Schild, L. ès L. Toulouse. *German*—Rev. H. Schild, L. ès L. Toulouse. *History, Modern (including Irish History)*—Rev. T. Fee, Lic Hist.Sc. Louvain, M.A. *Irish*—Rev. D. P. O'Flynn, M.A., S. Ó. Searcaigh, Ph.D. Belf., M.A. *Maths. and Math. Physics*—Rev. J. McConnell, M.A., D.Sc. *Music*—Rev. C. H. O'Callaghan, B.A., L.Mus. Rome. *Philos., Mental and Moral*—Rev. J. D. Bastable, M.A., Ph.D.; Rev. T. Crowley, M.A., D.Ph. Maynooth; Rev. D. O'Donoghue, M A., D.Ph.Louvain; Rev. J. Newman, D.Ph. Louvain, M.A. *Physics, Expl.*—Rev. P. J. I. McLaughlin, D. ès Sc. Paris, M.Sc. *Welsh*—S. Ó. Searcaigh, Ph.D. Belf., M.A.

OTHER TEACHING STAFF

Profs. of Catholic Theology—Rev. G. Mitchell, D.D.; Rev. J. McCarthy, D.D., D.C.L.; Rev. J. O'Flynn, D.C.L.

For staffs of Constituent Colleges, *see* pp. 1785, 1791, 1796.

GENERAL INFORMATION

Queen's University in Ireland, founded in 1850, was replaced in 1880 by the Royal University of Ireland, which, with Queen's College, Belfast, was dissolved on Oct. 31, 1909. On this date the National University of Ireland, University College, Dublin, and the Queen's University of Belfast, came into being, and the Colleges previously known as Queen's at Cork and Galway became, with the new College at Dublin, constituent Colleges of the National Univ. of Ireland.

UNIVERSITY FACULTIES AND DEANS (Oct. 1, 1954–Sept. 30, 1957). *Arts*, Rev. Prof. A. O. Gwynn; *Celtic Studies*, Prof. J. Lloyd-Jones; *Commerce*, Prof. G. O'Brien; *Dairy Science* (U.C., Cork, only), Prof. C. Boyle; *Engin. and Archit.*, Prof. M. A. Hogan; *General Agriculture* (U.C., Dublin only), Prof. J. P. Drew; *Law*, Prof. P. McGilligan; *Medicine (including Dentistry)*, Prof. J. M. O'Connor; *Philosophy*, Rt. Rev. Msgr. J. D. Horgan; *Science*, Prof. T. S. Wheeler; *Veterinary Medicine* (U.C., Dublin, only), Prof. J. A. Nicholson.

Classes are held in all Facs. (with the 3 exceptions indicated above), at each of the constituent Colls., and in Arts, Philos. and Sociol., Celtic Studies and Sci. at Maynooth.

ADMISSION. The normal method of entry is by the Matricn. Examn. of the Univ. Students must pass in 5 subjects grouped as follows: (1) Irish (for students born in Ireland, unless exempted on grounds of home residence), (2) English, (3) Maths., (4) Latin, Greek, or a modern Continental lang., (5) a fifth subject of the Matriculation Programme. Latin or Greek is necessary for the Facs. of Arts, Med., Law, Vet. Med.; a mod. Continental lang. will suffice for the remaining Facs. Clear Passes in subjects in the Leaving Certificate Examn. of the Irish Dept. of Education *or* in the Sr. Grammar Certif. of the N. Ireland Dept. of Education are accepted as equivalent to passes in corresponding subjects at Matriculation Examn. Other outside Examns. are accepted only on special application to the President of a Constituent Coll.

for admission, provided the candidate has passed in the requisite 5 subjects at equivalent standard.

DEGREES. B.A., B.Soc.Sc., M.A., D.Litt., B.Mus., D.Mus., D.Litt.Celt. ; B.Sc., B.Agr.Sc., M.Sc., M.Agr.Sc., D.Sc. ; B.C.L., LL.B., LL.D. ; M.B., B.Ch., B.A.O., M.Ch., M.A.O., M.D. ; M.Econ.Sc. ; D.Econ.Sc. ; B.Sc. (Dairying) ; M.Sc. (Dairying) ; B.D.S., M.D.S. ; B.E., M.E., B.Arch., M.Arch. ; B.Comm., M.Comm. ; M.V.B., M.V.M. ; Ph.D.

Course for 1st degree in any Fac.—at least 9 terms in one of the Constituent Colls. or St. Patrick's Coll., Maynooth.

The M.A., M.Sc., M.Agr.Sc., D.Sc., M.E., M.Arch., M.Comm., Ph.D., D.Litt., M.Econ Sc., D.Econ.Sc., M.Sc. (Dairying), M.V.M. may be conferred on grads. or other students for research under prescribed conditions in the Univ. or in a Constituent or Recognized Coll. The duration prescribed for the course of study and research for the Ph.D. is 9 terms (reducible to 6), and for a Master's Degree at least 3 terms.

DIPLOMAS, CERTIFICATES, ETC. Dip. in Ed. (1 yr.) ; H.Dip. in Ed. (1 yr. after degree) ; Dip.Soc.Sc. (2 yrs. ; 1 yr. for grads.) ; Dip.Libr.Trn. (2 yrs. ; 1 yr. for grads.) ; Dip.Chem.Tech. (2 yrs., U.C. Cork ; 1 yr. after B.Sc., U.C.D.) ; D.C.H. (prescribed Children's Hosp. experience only) ; C.P.H. (10 wks.) ; D.P.H. (2 terms after C.P.H.) ; D.P.M. (2 yrs.) ; Dip. in Comm. (2 yrs.) ; Cert. in Comm. (1 yr.) ; Dip.Pub.Adm. (2 yrs. ; 1 yr. for grads.) ; Dip. in Dairy Sc. (2 yrs.) ; Jr.Teach.Qual. (Music) (1 yr.) ; Sr.Teach.Qual. (Music) (1 yr.) ; Cert. in Organ Music (2 yrs. or 1 yr. after Sr.Teach.Qual. (Music)).

FEES. Matricn., £4. Combined examn. and degree, £12 to £27. Diplomas, £5 to £8. Medical Dipls., £5 to £11. For tuition fees, *see* separate Colls.

APPOINTMENTS BUREAUX : University College, Dublin ; University College, Cork ; and University College, Galway.

GRADUATE ASSOCIATION. N.U.I. Club, University House, 13a Lower Grosvenor Place, London, S.W.1.

PUBLICATION. *Calendar* (Dec.), 5s. (plus postage).

THE YEAR 1952–53

HONORARY DEGREES. *LL.D.*—H.E. Most Rev. G. P. O'Hara, Apostolic Nuncio to Ireland ; M. MacWhite ; H.E. Cardinal Spellman, Archbishop of New York. *D.Litt.*—Rev. M. C. D'Arcy ; Rev. Dr. H. Junker. *D.Mus.*—Dr. J. F. Larchet ; Madeleine Larchet. *M.Agr.Sc.*—Rev. R. McElligott.

STUDENT NUMBERS. *See under* Constituent Colleges.

DEGREES AWARDED. *Agric.*—B.Agr.Sc., 16 ; M.Agr.Sc., 1 ; *Archit.*—B.Arch., 15. *Arts*—B.A., 435 ; M.A., 38 ; B.Mus., 3 ; D.Mus., 1. *Comm.*—B.Comm., 103 ; M.Econ.Sc., 2 ; D.Econ.Sc., 1. *Dairy Sci.*—B.Sc. Dairying, 4 ; M.Sc. Dairying, 1. *Dent.*—B.D.S., 32. *Engin.*—B.E., 120 ; M.E., 5. *Law*—LL.B., 8. *Med.*—M.B., B.Ch., B.A.O., 176 ; M.D., 12 ; M.Ch., 11 ; M.A.O. 4. *Sci.*—B.Sc., 90 ; M.Sc., 24 ; D.Sc., 2. *Vet. Med.*—M.V.B., 14., *Various Facs.*—Ph.D. 13. *Total number of first degrees awarded:* 1008.

DIPLOMAS AND CERTIFICATES AWARDED. *Chemical Technol.*—Dip. Chem. Tech., 1. *Child Health*—D.C.H., 14. *Comm.*—Dip. in Comm., 8. *Dairy Sci.*—Dip. in Dairy Sc., 20. *Education*—Dip. in Ed., 1 ; H.Dip. in Ed., 206. *Library Training*—Dip.Libr.Trn., 3. *Public Health*—C.P.H., 49 ; D.P.H., 26. *Psychological Med.*—D.P.M., 5. *Public Admin.*—Dip. Pub. Adm., 26. *Social Sci.*—Dip.Soc.Sc., 17.

[*Information compiled as at* 16/9/54.]

UNIVERSITY COLLEGE, DUBLIN

Founded 1909

Postal Address: Earlsfort Terrace, Dublin, Republic of Ireland.
Telephone: 52116.

PRESIDENT—MICHAEL TIERNEY, M.A., D.Litt
REGISTRAR—Professor J J. HOGAN, M.A., B.Litt. Oxon.
SECRETARY AND BURSAR—J. P. MACHALE, B A , M Comm.
LIBRARIAN—ELLEN POWER, M.A., F.L.A.

TEACHING STAFF

Accountancy
O'Brien, G. W., M.A., B.Comm. Lectr.

Agriculture, v. *infra*

Anatomy
Keenan, E., M.D , B Ch , B A.O. Prof.

Archæology, Celtic
Ó Riordáin, S. P., M.A., Ph D., D.Litt., F.S.A. Prof.

Architecture
FitzGerald, D. P. J M , B.Arch., F.R.I.A.I. Prof.
McDermott, M., B Arch. Lectr.

Botany
Doyle, J., B.A., D.Sc. Prof.
Clinch, Phyllis E. M., Ph.D., D.Sc. Lectr.

Chemistry
Wheeler, T. S., D.Sc., Ph.D., F.R.C.S.I. Prof.
Algar, J., B.A., D.Sc. Prof.
Riley, F. T., B.A., M.Sc. (Org. C.) Prof
Keane, J., M.Sc., Ph.D. Lectr.
..... Lectr.

Chemistry, Phys. and Metallurgical
Leonard, A. G. G., M.Sc., Ph.D., F.R.C.S.I. Lectr.

Classics
Tierney, J. J., M.A. Prof.
O'Meara, J. J., M.A., D.Phil. Oxon. Prof.

Dentistry, v. *infra*

Economics, v. Pol. Econ.

Education
Ó Catháin, Rev. S., M.A., Ph.D. Lectr.

Engineering, Civil
Hogan, M. A., B.E., D.Sc., Ph.D., D.I C. Prof.
Lewis, F. E., B.A., B.E., Ph.D. Lectr.

Engineering, Electrical
Morrisey, J. J., M.E., M.A. Prof.
D'Alton, L. B., B.E. Lectr.
Dillon, C. T. G., M.E. (Electro-Technol.) Lectr.

Engineering, Mechanical
..... Prof.
Leahy, P., M.E., Ph.D. Lectr.
O'Donnell, J. P., M.E., B.Sc. Lectr.

English Lang. and Philology
MacSweeney, J. J., M.A. Lectr.

English Literature
Hogan, J. J., M.A., B.Litt. Oxon. Prof.
McHugh, R. J., M.A., Ph.D. Lectr.

Donovan, P. F., M.A. Lectr.
Dunning, Rev. T. P., M.A., Ph.D. Lectr.

French and Romance Philol.

Roche, L. P., M.A., D. ès L. Poitiers Prof.
Cognon, E. P., M.A. Lectr.

Geography

Jones-Hughes, T., M.A. Lectr.

Geology

..... Prof.
Brindley, J. C., M.Sc., F.G.S. Lectr.

German

Cunningham, Kathleen, M.A., Ph.D. Prof.

Hebrew and Aramaic

Boylan, Right Rev. Mgr. P., M.A., D.Litt. Actg. Prof.

History, Early Irish (including Mediæval)

Ryan, Rev. J., M.A., D.Litt. Prof.

History, Mediæval

Gwynn, Rev. A., M.A., B.Litt. Oxon. Prof.

History, Modern

Williams, T. D., M.A. Prof.

History, Modern Irish

Edwards, R. D., M.A., D.Litt. Prof.

Irish, Early and Mediæval

Shaw, Rev. F., M.A. Prof.

Irish Lang. and Lit., Modern

Hayes, M., M.A. Prof.
Delargy, J. H., M.A. (Irish Folk-lore) Prof.
Murphy, H. G. A., M.A. (Hist. of Celtic Lit.) Prof.
de Bhaldraithe, T., M.A., Ph.D. Lectr.
Ó Cuiv, B., M.A. (Classical Irish) Lectr.

Italian and Spanish Langs. and Lit.

McBride, P., Dr. en L. Madrid, M.A. Prof.
Bannan, E. F., Dr. en L. Madrid, B.A. (Spanish) Lectr.

Law, v. *infra*

Mathematics

Gormley, P. G., M.A., Ph.D. Prof.
Timoney, J. R., M.A. Lectr.
Tinney, Sheila C., M.A., Ph.D. Lectr.
Franklin, D., M.Sc. (Statistical Maths.) Lectr.

Medicine and Surgery, v. *infra*

Music

Larchet, J. F., Mus.D., D.Mus. Prof.

Palæography

Bieler, L., D.Phil. Vienna Lectr.

Philosophy

Horgan, Rev. J. D., M.A., D.D., Ph.D. (Metaphysics) Prof.
O'Doherty, Rev. E. F., M.A., B.D., Ph.D. (Logic and Psychol.) Prof.
Martin, Rev. C. J., M.A., B.D., D.Phil. Oxon. (Ethics and Politics) Prof.

Physics, Experimental

Nevin, T. E., D.Sc. Prof.
Dowling, J. J., M.A., F.I.P. (Tech. P.) Prof.
Nolan, P. J., D.Sc., Ph.D. (Geophys.) Prof.

Physics, Mathematical

Keating, G., M.Sc. Prof.

Physiology and Histology

O'Connor, J. M., B.A., M.D. Prof.

Polit. Econ. and Nat. Econ.

O'Brien, G., B.A., D.Litt., B.L. Prof.

Lecturers

O'Donovan, J., M.A., B.Litt., D.Econ.Sc.

Meenan, J., M.A., F.R.E.S.

Lynch, P., M.A.

Welsh

Jones, J. Ll., M.A., D.Litt. Wales, B.Litt. Oxon. Prof.

Zoology

Butler, J. B., M.A., M.B., B.Ch., B.A.O. Prof.

Humphries, Carmel, D.Sc., Ph.D. Lectr.

Agriculture

Agricultural Botany and Bacteriology

Gorman, M. J., B.Sc. Prof.

Agricultural Chemistry

O'Sullivan, G. F., M.Sc. Lectr.

Agricultural Zoology

Carroll, J., D.Sc., B.Agr.Sc. Prof.

Agriculture

Drew, J. P., M.Sc. Prof.

Animal Nutrition

Sheehy, E. J., D.Sc., F.R.C.S.I. Prof.

Forestry

Clear, T., B.Agr.Sc. Lectr.

Horticulture

Sherrard, G. O., B.Sc. Actg. Prof.

Plant Breeding

Caffrey, M., B.Sc. Prof.

Plant Pathology

McKay, R., D.Sc., F.R.C.S.I. Prof.

Soil Science

Gallagher, P. H., D.Sc. Lectr.

Dentistry

Dunkin, F. J., M.B., B.Ch., B.D.S. (D.Surg.) Prof.

O'Dea, F. J., B.D.S. (D.Mech.) Prof.

Flanagan, L., B.D.S., M.B., B.Ch., B.A.O. (Orthod.) Lectr.

Law

Constitutional Law, Internat. and Criminal Law and Procedure

McGilligan, P., M.A., D.Econ.Sc. Prof.

Law of Property, Common Law and Equity

..... Prof.

Roman Law, Jurisprudence and Legal History

Henchy, J. A., M.A., LL.B., Ph.D. Prof.

Medicine

History of Medicine

Doolin, N., M.B., B.Ch., B.A.O., F.R.C.S. Hon. Prof.

Med. Jurispr.

..... Prof.

Medicine

O'Donovan, D. K., M.D., M.Sc., Ph.D. Prof.

Midwifery and Gynæcol.

Cunningham, J. F., M.D., B.Ch., M.A.O., F.R.C.P.I., F.R.C.O.G. Prof.

Ophthalmology

Lavery, F. J., M.D., M.Ch., D.O.M.S. Lectr.

Oto-Rhino-Laryngology

O'Doherty, E., M.B., M.Ch. Lectr.

Pathology and Bacteriology

McGrath, J., M.Sc., M.D., B.Ch., B.A.O., B.L., D.P.H. Prof.

Pharmacol. and Biochemistry

Conway, E. J., D.Sc., M.B., B.Ch., B.A.O., F.R.S. Prof.

Psychiatry

Dunne, J., M.B., D.P.M. Prof.

Public Health and Bacteriology

O'Kelly, W. D., D.Sc. (Pub. Health), M.D., D.P.H. Prof.

O'Callaghan, W. P, M.B., B.Ch., B.A.O., D.Sc., D.P.H. (Public Health) Lectr.

Radiology

Geraghty, J. A., M.D. Lectr.

Surgery

Barniville, H. L., B A, M.D, M.Ch. Prof.

Fitzgerald, P., M D, M.Ch., M.Sc. Assoc. Prof.

Therapeutics

FitzGerald, O., M.D., M.Sc. Lectr.

Veterinary Medicine

Veterinary Anatomy

Campbell, J J, Ph D., M.Sc. Prof.

Veterinary Medicine and Meat Inspection

Kelly, W. R., M V.M. Prof.

Veterinary Pathology and Bacteriology

Mullaney, P. E., M.V M. Prof

Veterinary Physiology, Biochemistry, Histology and Embryology

Nicholson, J. A., M.A., Ph.D., M.Vet.Sc. Prof.

Veterinary Surgery and Obstetrics

McGeady, P. A., M.Vet.Sc. Prof.

Staff of Asst. Lectrs, Assts, and Demrs. in all Depts.

ADMINISTRATIVE AND OTHER STAFF

Deans of Residence: Rev. M. Clarke, B.A., S.T.L.; Rev. P. O'Kane, B.A. Supt. of Women Students: Norah Greene, B.Sc., H.Dip. in Ed. Registrar for Medical School: Eileen McGilligan, B.Sc. Warden of Newman House: P. Sheridan, B.E. Director, Students' Health Bureau: M. Moriarty, M.Sc., M.D. Officers of Residence (1954–55): Rev. D. P. Kennedy, University Hall; Rev. Dom B. O'Dea, Balnagowan House; Mrs. Mary Murphy, B.A., H.Dip. in Ed.; Mother Mary Liguori, Loreto Hall; Mother Mary E. Purcell, St. Mary's Dominican Hall; Rev. Canon J. Armstrong; Rev. R. G. Livingstone, B.A.; Rev. J. N. Thompson, M.A.

GENERAL INFORMATION

The College had its origin in the Catholic University of Ireland, founded in 1851. From 1851 to 1859 its Rector was Dr. John Henry Newman. In 1854 its Facs. of Theology, Philosophy, Letters, and Science began their work and in 1855 the Fac. of Medicine was formally opened in Cecilia St., where it continued to operate until 1932. The foundation of the Royal University in 1879 led to a change of title, by which what had originally been St. Patrick's House in the Catholic University became the seat of University College, Dublin. From 1883 until the passing of the Universities Act, 1908, the College was administered by the Jesuit Fathers. Under that Act and by Royal Charter of 2nd Dec. 1908, it was re-established as a Constituent College of the National University of Ireland.

By the University Education (Agriculture and Dairy Science) Act, 1926, the Royal College of Science and the Albert Agricultural College were transferred to Univ. Coll., Dublin, which was empowered to continue the functions formerly fulfilled by these institutions.

HOSPITALS. 2 affiliated, 8 recognized for clin. instrucn.; 2 Fever; 2 Children's; 3 Midwifery; 1 Ophthalmol. and Otorhinolaryngol.; 1 Mental Diseases.

FACULTIES AND COURSES. The Coll. is empowered to provide teaching for Degrees and Diplomas of N.U.I. Courses are provided in the Facs. of Arts, Philos., Social Science, Celtic Studies, Science, Law, Medicine and Dentistry, Engin. and Archit., Chem. Engin., Commerce, General Agric. and Vet. Medicine. In addition, there are courses leading to Dipls. in Library Training, Soc. Science, Pub. Admin. and Chem. Tech. and in Fac. of Medicine courses leading to a Certif. and a Dipl. in Public Health and in Mental Diseases.

FACULTIES AND DEANS. *Arts*, Rev. Prof. A. Gwynn ; *Celtic Studies*, Prof. J. Lloyd-Jones ; *Commerce*, Prof. G. O'Brien ; *Engineering and Architecture*, Prof. M. A. Hogan *General Agriculture*, Prof. J. P. Drew ; *Law*, Prof. P. McGilligan ; *Medicine*, Prof. J. M. O'Connor ; *Philosophy*, Rev. Prof. J. D. Horgan ; *Science*, Prof. T. S. Wheeler ; *Veterinary Medicine*, Prof. J. A. Nicholson.

FEES for tuition, including College fees, annual, for primary degree courses : Arts, Comm., Law, Social Science—£33 ; Science, Engin., Archit., Agric.—£46 ; Med. (including Hospl.), whole period—£350 approx. ; Veterinary, whole period—£206 : 10s.

ADMISSION. Students not born in Ireland must apply to the President of the Coll. for admission and (unless they have passed the Matricn. Examn. of the N.U. *or* the Leaving Certif. of the Irish Dept. of Educn. *or* the Sr. Certif. of the N. Ireland Dept. of Educn.) for exemption from the Matricn. Examn. Exemption will be granted only on production of evidence that candidates have passed an equivalent examn. in the requisite 5 subjects.

RESIDENCE. Hostels—*Men* : University Hall, Hatch St. ; Balnagowan House, Palmerston Pk. ; De La Salle Hall, Ely Pl. *Women* : Loreto Hall, 77 St. Stephen's Green ; St. Mary's Dominican Hall, 49 St. Stephen's Green. Students are subject to supervision by Officers of Residence.

APPOINTMENTS BUREAU. Sec., Elizabeth Curran, B.A.

STUDENTS' HEALTH BUREAU. The Bureau is concerned with all aspects of the health of students, and the assistance of the Bureau is freely available during office hours to any student who is anxious about his or her health.

PUBLICATION. *Calendar*, Nov., 10s.

THE YEAR 1952–53

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. A. H. Armstrong, Liv., " Virgil's Arcadia " ; Prof. H. Butterfield, Camb., " The Irish Crisis of 1779–80 : Sources and Problems of Interpretation " ; Prof. H. S. Commager, Oxon., " The Foundation and Nature of American Nationalism " ; Very Rev. F. Canon Van Steenberghen, Louvain, " The organization of studies in the Medieval Schools and its relation to the Philosophical Movement " and " St. Bonaventure and Augustinian Aristotelianism " ; E. M. Jope, Belf., " Celtic Art in its Social Setting " ; Prof. K. Jackson, Edin., " Some aspects of the Scottish Gaelic Folktale " ; M. J. Marx, École des Hautes Études, Paris, " The Holy Grail in Arthurian Legend " and " Tristan and Isolde : Celtic Influences " ; Prof. E. C. Dodds, " The Influence of Chemistry on Medical Practice " ; Prof. A. R. Ubbelohde, Belf., " Chemistry and the Social Arts " and " Recent Physico-Chemical Studies on Electrons in Solids " ; Sir Douglas Copland, A.N.U., " Authority and Control in the Free State."

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. J. Delargy, Aberystwyth and Bangor, " Irish Folklore," Edin., the Munro Lectures, Sorbonne, 6 lectures on " Irish Oral Tradition." Prof. Ó Riordáin, Manc., " Early

Irish Homesteads." Prof. T. S. Wheeler, Belf., on "The Life of the Irish Chemist, William Higgins" and at Lond. on "Chem. of Flavones." Prof. E. J. Conway, Uppsala, Lund, Gothenburg and Karolinska Institute of Stockholm, "The manner and significance of K accumulation in cells," "The significance of inorganic levels of blood plasma" and "Comparison of the effects of Cortisone and Deoxycorticosterone on various aspects of organic and inorganic metabolism."

EXTRA-MURAL WORK. 156 students awarded Dipls. in Soc. and Econ. Studies by Bd. of Extra-Mural Studies.

VACATION COURSES. Summer Course on Contemporary Ireland (designed primarily for students from Overseas).

RETIREMENTS. Prof. P. F. Purcell (Civil Engin.); Prof. T. G. Browne (Vet. Anat.); Prof. T. T. O'Farrell (Pathol. and Bacteriol.).

DEATHS. Prof. H. F. Moore (Med.); Prof. P. Semple (Latin); Prof. H. J. Seymour (Geol.); J. J. O'Kelly (Obstet.).

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	2138	247
Women	597	73
Total	2735	320

DEGREES. B.A., 222; M.A., 28; B.Sc., 43; M.B., B.Ch., B.A.O., 108; M.D., 8; M.A.O., 3; M.Ch., 4; B.D.S., 26; LL.B., 3; B.E., 57; M.E., 3; B.Comm., 90; B.Arch., 15; B.Mus., Nil; Ph.D., 5; B.Agr.Sc., 25.

DIPLOMAS AND CERTIFICATES. H.Dip. in Ed., 93; D.P.M., 5; D.C.H., 14; C.P.H., 49; D.P.H., 26; Dip.Soc.Sc., 17; D.P.A., 22.

[*Information compiled as at* 1/9/54.]

UNIVERSITY COLLEGE, CORK

Founded 1845

Postal Address: Cork, Republic of Ireland.

Telephone: Cork 21371.

PRESIDENT—A. O'RAHILLY, M.A., D.Sc., D.Phil., D.Litt.

REGISTRAR—H. ST. J. ATKINS, M.Sc.

SECRETARY AND BURSAR—J. HURLEY, B.A., B.Comm.

LIBRARIAN—.....

TEACHING STAFF

Accounting and Business Administration

Clifford, T. J., M.Comm. Lectr.
O'Mahony, W. J., B.Comm. Asst. 1 Demr.

Agriculture, v. *infra*

Anatomy

MacConaill, M. A., M.B., D.Sc. Belf. Prof.
Hamilton, W. D., B.Sc., M.D., M.Ch. Asst.
Donovan, E., M.D., M.Ch., M.A.O. Asst.
Kelly, J., M.B., F.R.C.S. Asst.

Archæology

O'Kelly, M. J., M.A. Prof.

Biochemistry

Brady, T. G., M.Sc., Ph.D. Prof.

Botany

Roberts, O. M., M.Sc., Ph.D. Prof.

Chemistry

Reilly, J., M.A. Camb., D.Sc. Geneva and Dub., H.Dip.Ed., F.R.C.S.I., F.R.I.C., F.I.P. Prof.
O'Cinnéide, R., M.Sc. Lectr.
Teegan, J. P., M.Sc., Ph.D. (Phys. C.) Lectr.
Aherne, J. C., M.Sc., Ph.D. Asst.

Classics

Treston, H. J., M.A., D.Litt. Prof.
Fogarty, J. P., M.A. Lectr.

Dairy Science, v. Agric., *infra*

Dentistry, v. *infra*

Economics and Commerce

Busteed, J., M.Comm., F.S.S. Prof.
Larkin, Rev. W. P., M.A., Ph.D. Lond., D.Econ.Sc. Lectr.

Education

Duggan, Lucy M., M.A., Ph.D., H.Dip. in Ed. Prof.
O'Callaghan, Nora M., M.A. Asst.

Engineering, Civil

Walsh, H. N., M.E., D.I.C. Prof.
Coffey, P., M.E. Lectr.
Dillon, E. C., M.E. Lectr.

Engineering, Electrical

Teago, F. J., D.Sc. Coll. Prof.
McGrath, F. A., B.E. Lectr.

Engineering, Municipal

Farrington, S. W., B.A., M.E. Lectr.

English

McCarthy, Bridget G., M.A., Ph.D. Prof.
Walsh, R. F., M.A. Asst.

French

Byrne Costigan, Ethna, D. ès L. Paris, M.A. Prof.
O'Flaherty, Kathleen M. J., M.A., Ph.D. Lectr.
Servais, Yvonne, M.A , Ph.D. Asst.

Geology and Geography

O'Connell, C. S., M.A., B.Comm. Lectr.

German

Boyle, Mrs. Mary, M.A. Prof.

History

Hogan, J., D Litt. Prof.
Gwynn, D., D.Litt. Prof.
Pender, J , M.A. Lectr.
Roche, K. F., M.A. Asst.
Flanagan, Rev. J. G., M.A. Asst.

Irish Lang. and Lit.

Breatnach, R., M.A. Prof.
Caomhánach, S., M.A., Ph.D Prof
Ó Cuilleanáin, C., M.A., Ph.D. Prof.
Ó Tuama, S., M.A. Asst.

Irish Music

Neeson, S., B.A. Lectr.

Law

Ryan, E., M.A., B.L. (C. Law, Real Prop. and Eq.) Prof.
Murphy, C. K., M.A., LL.B., H.Dip. Ed. (Jurisprud., Roman L. and Pers. Prop.) Prof.

Mathematical Physics

Quinlan, P., B.E., M.Sc., Ph.D. Prof.

Mathematics

Atkins, H. St. J., M.Sc. Prof.
..... Lectr.

Medical Ethics

Bastible, Rev. J. P. Canon, B.A., D.D. Asst.

Medicine and Surgery, v. *infra*

Music

Fleischmann, A. G., M.A , B.Mus. Prof.

Philosophy

O'Mahony, Rev. J. E., D.Litt. Prof.
Callaghan, Rev. J., M.A. Asst.

Physics, Experimental

McHenry, J. J., M.A., D.Sc. Prof.
Fahy, E. F., M.Sc., Ph.D. Lectr.
O'Sullivan, Margaret, M.Sc. Asst.

Physiology

Cannon, P. J., M.B., M.Sc. Prof.
O'Callaghan, D. J., M.D. Asst.
Law, Mary, M.Sc. Asst.

Psychology

Dempsey, Rev. P. J., M.A., Ph.D. Lectr.

Public Administration

Hurley, J., B.A., B.Comm. Asst.

Romance Languages, v. also French

Byrne Costigan, Ethna, D. ès L. Paris, M.A. Prof.

Sociology

O'Leary, Rev. J., M.A. Lectr.

Spanish

Healy, J. G., M.A., Ph.D. Lectr.

Statistics

Carey, T. M., M.A., Ph.D. Prof.

Zoology

O'Rourke, F. J., M.Sc., Ph.D., M.B. Prof.
Murphy, Marjorie, M.Sc. Asst.

Agriculture

Agriculture

Boyle, C., M.A. Wis., B.Sc., Ph.D. Lond., D.I.C. Prof.

Dairy Accountancy

Murphy, M., M.A., B.Comm. Prof.

Dairy Bacteriology

Grimes, M., B.Sc. Tor., M.Sc., Ph.D. Iowa Prof.
O'Connor, H. F. J., M.Sc. (Dairying) Asst.

Dairy Chemistry

Pyne, G. T., B.Sc. Lond., M.Sc., Ph.D., F.R.I.C. Prof.
McSweeney, D. T., M.Sc. Asst.
Ryan, J. J., M.Sc. Asst.

Dairy Engineering

McGrath, F. A., B.E. Prof.

Dairy Technology

O'Shea, M. J., M.Sc. (Dairying), Ph.D. Prof.

Dentistry

Roche, M. A., B.D.S. (D. Prosthetics) Prof.
Ollivère, J. D. F., B.D.S. Lectr.
Dockrell, R. B., M.A., M.B., B.Dent.Sc. Dub. (Orthod.) Lectr.
Gamble, R. G., B.D.S. Coll. Lectr.

Medicine

(for subjects of first 2 yrs.—Anat., etc., v. *supra*)

Hygiene and Public Health

Saunders, J. C., M.D., D.P.H. Prof.

Materia Medica

Donovan, T., M.A., M.B. Lectr.
McCarthy, D. F., M.B., M.A.O. Asst.

Medical Jurisprudence

Riordan, M. J., M.B., M.A.O., F.R.C.S.I. Lectr.

Medicine

O'Donovan, J. M., M.Sc., M.D., F.R.C.P.I. Prof.
Whelton, A., B.A., M.D., F.R.C.P.I. Coll. Lectr.
Curtin, M., M.B., D.P.H. Asst.
Fitzpatrick, P. F., M.B., D.P.H. Asst.
McMahon, M. F., M.D. Asst.

Mental Diseases

Honan, B. F., D.P.M. Lectr.

Obstetrics and Gynæcology

Kearney, W., M.D., M.A.O., F.R.C.O.G. Prof.
Kearney, J. B., M.D., M.A.O., L.M. Asst.

Ophthalmology and Otology

O'Hea-Cussen, V., M.B., D.O. Oxon. Prof.

Orthopædics

O'Connell, St. J. G., M.B., F.R.C.S. Ed. Asst.

Pædiatrics

Barry, R. G., M.D., D.C.H. Lectr.
Curtin, M., M.B., D.P.H. Asst.

Pathology

O'Donovan, W. J., M.B., B.Sc., D.P.H. (Clin. P.) Prof.
..... Lectr.

Surgery

Kiely, P., B.Sc., M.D., M.Ch., F.R.C.S. Prof.
Kiely, J., M.D., M.Ch., F.R.C.S.Ed. Asst.

Therapeutics

Loughnan, O. T. D., M.D. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Officers of Residence. Catholic Students: Rev. J. P. Canon Bastible, B.A., D.D. Church of Ireland: Dean of Residences: Ven. Archdeacon J. Hingston, M.A., B.D. Asst. Officer of Residence (Women Students): Mrs. J. Hingston. Presbyterian: Men Students—Rev. A. Cromie, M.A., LL.B.; Women Students—Mrs. Elizabeth M. Farrington, M.A., H.Dip. in Ed. Methodist: Rev. S. E. McCaffrey. Jewish: Rev. S. Barron.

STUDENTS' HEALTH SERVICE. Sec.: Mrs. Maev Morrogh, M.B., D.P.H.

CORK UNIVERSITY PRESS. Sec.: Kathleen M. O'Flaherty, M.A., Ph.D.

GENERAL INFORMATION

QUEEN'S COLLEGE, founded in 1845, became a constituent coll. of the N.U.I. in 1908. The usual LANGUAGE OF INSTRUCTION is English.

LIBRARIES, ETC. Over 300,000 vols. (including departmental libraries). 8 TEACHING HOSPITALS. CRAWFORD OBSERVATORY (with 8-in. Equatoria telescope and 5-in. transit telescope).

FACULTIES AND DEANS. *Arts*: Prof. H. J. Treston; *Commerce*: Prof. J. Busteed; *Dairy Science*: Prof. C. Boyle; *Engineering*: Prof. H. N. Walsh; *Law*: Prof. C. K. Murphy; *Medicine*: Prof. W. J. O'Donovan; *Science*: Prof. J. McHenry.

ADMISSION. Matricn. of N.U.I. or its equivalent required. Spec. Faculty requirements: *Engineering and Dairy Science*—Entrance examn. in Maths.

DEGREES. B.A., B.Comm., B.Sc., B.Mus., B.E. (Civil), 3 yrs.; B.E. (Elec.), 4 yrs.; B.Sc. (Dairying), LL.B., B.D.S., 5 yrs.; M.B., B.Ch., B.A.O., 6 yrs.

HIGHER DEGREES. M.A., M.Sc., M.Sc. (Dairying), M.Econ.Sc., 1 yr.; M.E., M.D., M.Ch., M.A.O., M.D.S., 3 yrs.; Ph.D., D.Econ.Sc., D.Sc., 5 yrs. (15 terms).

DIPLOMAS. Higher Dipl. in Educn., Dipl. in Psychological Med. (D.P.M.) Coll. Dipl. in Obstet., 1 yr.; Dipl. in Dairy Sc., Dipl. in Commerce, Dipl. in Chem. Tech., 2 yrs.

FEES. Arts or Commerce, £28. Law, £22. Music, £22. Science, Dairy Science or Engineering, £40. Diploma in Dairy Science, £16. H.Dip. in Education, £18. Postgraduate Courses for Higher Degrees: M.A., M.Sc. (Maths.), M.Econ.Sc., M.Comm., £18; M.Sc., £22; Doctorate, £18. Pre-Medical Course, £42. Medicine—First or Second Year, £46; Third Year, £42; Fourth Year, £30; Fifth, £21. *Clinical and Hosp. Fees*—Conjoint Hospital Ticket (3 Hospls.): Pre-Clin. (one term), £3 : 3s.; Third Year, £15 : 15s.; Fourth Year, £26 : 5s.; Fifth Year, £26 : 5s. *Special Clinical Fees*—Post Mortems, £2; Mental Hospl. (3 mos.), £4 : 4s.; Ophthalmic Hospl. (3 mos.), £5 : 5s.; Maternity Hospl. (6 mos.), £10 : 8s.; Vaccination, £1 : 1s.; Anæsthetics, £1 : 1s.; Fever Instrucn., £3 : 3s. Dentistry—First or Second Year, £46; Third Year, £30; Fourth Year, £15; Dental Hospital—*Second Dental Year*: Practical Dental Mechanics, £100. Lab. Equipment and Instruments, £8. 9 mos. General Hospital (North Infirmary), 12 guineas. *Third and Fourth Dental Years*: Dental Surgery, Orthodontia, etc., £12 p.a. for 2 yrs. Surgery Equipment and Instruments, £30 approx.

NON-MEMBERS. Non-Members may be admitted to classes if permission is granted by the President of the Coll.

ADULT EDUCATION. The Adult Educn. Cttee., in co-operation with local Cttees. of Vocational Education, conducts various courses in Adult Educn. and arranges for lectures and conferences. Coll. Dipl. in Social and Economic Science (2-yr. course); Coll. Dipl. in Social Study (2-yr. course); Coll. Dipl. in Rural and Social Sci. (2-yr. course).

GRADUATES' ASSOCIATION. Cork University Graduates' Club (non-official).

MUSEUMS. Medical, Natural History, Cork Public Museum, Botanic Garden; FIELD STATION, Lough Ine, Baltimore, Co. Cork (Zoological).

LABORATORIES, Phys., Chem., Engin. (Civil and Electr.), Biol., Geol., Physiol., Materia Medica, Pathol., Dairy Engin., Dairy Chem., Dairy Bacteriol., Dairy Technol., Biochem.

STUDENT RESIDENCES. Honan Hostel (approx. 38 men students), fee 90 gns. per session. La Retraite (approx. 30 women students), fee from 72 to 78 gs.

UNIVERSITY MILITARY FORMATION. F.C.A. (Fórsa Coiseanta Áitiúla).

PRINCIPAL STUDENT ATHLETIC FACILITIES. Association football, Athletic Club, boxing, Camogie, Gaelic football, hurling, golf, lawn tennis, Rugby football, swimming, women's hockey, rowing, handball, tennis courts, Univ. Athletic Grounds, 15 acres in extent.

APPOINTMENTS BOARD.

UNIVERSITY PRESS. Publishes *Calendar* annually, *Cork University Record* 3 times p.a. and publications of members of the Staff.

THE YEAR 1952–53

STUDENT NUMBERS.

	Full-Time	*Part-Time*
Men	803	32
Women	271	..
Total	1074	32

In addition : 142 Univ. Extension students.

DEGREES. B.A., 72 ; M.A., 7 ; B.Comm., 19 ; M.Econ.Sc., 1 ; M.Comm., 1 ; B.Sc., 29 ; M.Sc., 11 ; B.E., 33 ; M.B., 30 ; M.E., 1 ; M.D., 4 ; M.Ch., 5; M.A.O., 1 ; B.Sc. (Dairying), 4 ; B.D.S., 6 ; Ph.D., 4 ; M.Sc. (Dairying), 1.

[*Information compiled as at* 30/8/54.]

UNIVERSITY COLLEGE, GALWAY

Founded 1849

Postal Address: Galway, Republic of Ireland.

Telephone: Galway 22.

PRESIDENT—Rt. Rev. Mgr. PÁDRAIG DE BRÚN, M.A., D.Sc.
REGISTRAR—Professor J. MITCHELL, B.Sc., B.E., F.G.S.
BURSAR—Professor P. LARKIN, B.A., H.Dip.Ed.

TEACHING STAFF

Anatomy
Shea, S., M.D., B.Ch., B.A.O. Prof.

Archæology, Celtic
Duignan, M. V., M.A., H.Dip.Ed. Prof.

Celtic Languages
deBurca, S., M.A., Ph.D. Lectr.

Chemistry
O'Colla, P., M.Sc., Ph.D. Prof.
Assistants
Lee, Elizabeth, M.Sc.
Walsh, Kathleen, M.Sc.
Clancy, M., M.Sc.
Limes, M., M.Sc.

Classics, Ancient
Fahy, Rev. T., M.A., B.D. Prof.
Heavey, Margaret M., M.A., H.Dip.Ed. Lectr. (in Irish).
Killeen, F., M.A. Asst.

Economics, Commerce & Acctcy.
O'Buachalla, L., M.Comm., H.Dip. Ed. Prof.
O'Nuallain, L., B.A., B.Comm., D.Econ. Sc. Lectr.

Education
Larkin, P., B.A., H.Dip.Ed. Prof.
MacFhinn, Rev. P. E., M.A., D.D., H.Dip.Ed. Lectr. (in Irish).

Engineering, Civil
Prendergast, W. H., D.S.O., B.E., B.Sc. Prof.
O'Connor, H. G., M.E. Lectr.
O'Lochlainn, P., B.E., M.Sc. Asst.

Engineering, Electrical
Ryan, E. R., B.Sc., M.E. Asst.

English Language and Lit.
Murphy, J., M.A., Ph.D. Prof.

Geology and Geography
Mitchell, J., B.Sc., B.E., F.G.S. Prof.

German
Shea, Mrs. Margaret M., M.A. Prof.

History
O'Sullivan, Mrs. Mary J. D., M.A., D.Litt. Prof.
Kennedy, Sheila G., M.A., H.Dip.Ed. Lectr. (in Irish).

Irish, Modern
O'Maille, T. S., B.A., Ph.D., H.Dip.Ed. Prof.
O'Broin, T. P., M.A. Asst.

Irish, Old and Middle, and Celtic Philology
Ni Maol-Chroin, Miss Caitlin, M.A., D.Phil. Bonn, H.Dip.Ed. Prof.

Law and Jurisprudence
Gallagher, P. J., B.A., LL.B. Prof.

Mathematics
Power, M., M.A., B.Sc. Prof.
Newell, M., D. Sc. Lectr. (in Irish).

Ryan, E. R., B.Sc., M.E. Asst.

Mathematical Physics

MacCionnaith, E., M.A., M.Sc. Prof.

Medicine, v. *infra*

Natural History

Dinan, T. J., M.Sc. Prof.
De Valera, Máirin, M.Sc., Ph.D. Lectr.
Reilly, Siobhan, M.Sc Asst.
Ni Chuaigh, Maire, M.Sc. Asst.

Philosophy

O'Brien, Rev. F., Ph.D., D.D., B.C.L. Rome, Lic.Sc.Hist. Louvain Prof.
Nolan, Rev. H., D.Phil. Louvain, M.A. Lectr.

Physics

O'Brolchain, C., M.Sc., Ph.D. Prof.
Larkin, D. M., M.Sc. Lectr.

Physiology

Donegan, J. F., B.Sc., M.B., B Ch., B.A.O. Prof.

Romance Languages

O'Brien, W., M.A. Prof.
O'Reilly, Mary J., M.A. Lectr.

Medicine

Bacteriology

Folan, M. E., M.Sc., M.B., B.Ch., B.A.O. Prof.

Med. Jurisprudence and Hygiene

..... Lectr.

Medicine

O'Donnell, M. J., M.D. Prof.

Mental Diseases

Shea, J. R., D.P.M. Lectr.

Midwifery and Gynæcology

..... Prof.

Ophthalmology and Otology

O'Malley, C. C., B.Sc., M.D., B.Ch., B.A.O., D.O.M.S. Prof.

Pathology

Kennedy, J. D., M.D., M.Sc. Prof.

Surgery

O'Malley, M. G., M.B., B.Ch., B.A.O., F.R.C.S. Prof.

Therapeutics, Mat. Med. and Pharmacol.

McDermott, E. N., B.Sc., M.D., F.R.C.S.I. Prof.

ADMINISTRATIVE AND OTHER STAFF

DEANS OF RESIDENCE: Rev. Fr. M. Spelman, B.A.; Rev. J. F. Provost Nash, M.A.; Rev. G. W. Farley; Rev. C. McNeill Caldwell, M.A.

LADY SUPERINTENDENT: Mrs. Mary O'Driscoll, B.Comm.

ASSISTANT LIBRARIAN: M. J. Fahy.

GENERAL INFORMATION

Queen's College, Galway, opened in 1849, became a constituent College of the N.U.I. in 1908.

LIBRARY: 80,000 vols. LABORATORIES: Physics, Chem., Biol., Physiol., Path., Geol., Engin. MUSEUMS: Nat. Hist., Archæol., Mat. Med., Gynæc., Anat.

DEGREE COURSES in Arts, Celtic, Science, Law, Med., Engin., Commerce. Courses for Diplomas in Educn., Commerce.

Med. degree students are required to spend 1 yr. at a Metropolitan Hospl. after a 5 yrs.' course in the College and 2 yrs. in the Galway Hospitals.

FEES. College, £3: 10s. p.a. Inclusive approximate fee for complete Degree course: Arts, 3 yrs., £63; Science, 3 yrs., £84; Law, at least 6 terms after

B.A., £48; Medicine, 6 yrs. (including 2 yrs.' General Hospital fees), £181; Engineering, 3 yrs., £84; Commerce, 3 yrs., £60. Postgraduate or research course, £15.

RESIDENCE. The cost of board and lodging for a student varies from 60s. to 70s. a week. Every student is required to register under a Dean of Residence, who exercises supervision over the general conduct of students outside the precincts, and every woman student under a Lady Supt., who exercises supervision over their conduct within the precincts of the College.

There is a UNIVERSITY APPOINTMENTS BUREAU and a STUDENT HEALTH SERVICE.

PUBLICATIONS. List of licensed lodging-houses, free; *College Calendar* (2s. 4d.); Regns. for Degrees and Courses (1s. 3d.); Regns. for Scholps. (2½d.); Gaeltacht Scholarships (1½d.); Univ. Examn. Papers (post free, 1s. 8d.), from O'Gorman and Co., Galway.

THE YEAR 1952–53

STUDENT NUMBERS.

	Full-Time	*Part-Time*	*Extra-Mural*
Men	594	48	34
Women	264	8	32
Total	858	56	66

Postgraduate students, 69.
First year admissions, 256.

DEGREES. B.A., 66; M.A., 3; B.Comm., 18; H.Dip.Ed., 47; B.E., 30; M.E., 1; LL.B., 1; B.Sc., 18; M.Sc., 6; M.B., B.Ch., B.A.O., 27.

APPENDIX VII

ANGLO-AMERICAN ACADEMIC RELATIONS

A summary of the regulations governing the admission of American students to United Kingdom Universities will be found in Appendix I above.

Appendix II lists many fellowships and scholarships which are tenable at United Kingdom Universities and University Colleges and for which American graduates are eligible to compete. Appendix III, although it does not claim to be exhaustive, contains information about some of the more important postgraduate awards, *e.g.* the Commonwealth Fund, English-Speaking Union, Henry, King George VI Memorial, Procter and Smith-Mundt awards, tenable in the United States of America by British graduates. For Fulbright and Marshall awards, *see below*. The awards noted in Appendices II and III are "open," *i.e.* not restricted to graduates of any one University. Some United Kingdom Universities have also arranged direct exchanges of their staff, graduates or senior students with American institutions, *e.g.* St. Mary's Hospital Medical School (University of London) has a regular exchange scheme at graduate level with the Peter Brent Brigham Hospital, Boston (associated with Harvard University) ; and the University of Glasgow exchanges a scholar annually with Cornell University. The Exchange Scholarships between St. Andrews University and Union College, Schenectady, enable graduates or undergraduates of one institution to spend a session of study at the other.

At the University of Cambridge certain Colleges have arrangements with American Universities under which places at these Colleges, tenable for one or two years, are offered annually to students from the United States. *Clare* : Yale-Clare Fellowship to a graduate of Yale Univ. ; Kellett Fellowship to a graduate of Columbia Univ. *Emmanuel*: Lionel de Jersey Scholarship to a student from Harvard ; place to a student nominated by the Master of Saybrooke College, Yale. *King's* : Ehrman Studentship alternately to a graduate of California Univ. and a graduate of Yale Univ. *Trinity*: Charles Henry Fiske III Scholarship to a student nominated by the President and Fellows of Harvard College. At *Girton* an Overseas Scholarship, carrying the privileges but not the emoluments of a Scholar of the College, is offered to a candidate recommended for a Fulbright Scholarship ; the award is made after consideration of names forwarded by the United States Educational Commission in the United Kingdom.

There are facilities at many United Kingdom Universities and Colleges for the study of American aspects of such subjects as History, Literature and Economics. For details, *see* individual University entries above, and the official publications of the various Universities. Attention is drawn to the following :

CAMBRIDGE. *Pitt Professorship of American History and Institutions.* The Professor is elected annually, with tenure for one year. Salary, £1950 p.a. 1954–55 : J. H. Brebner, Professor of History at Columbia Univ. ; 1955–56 ; W. T. Easterbrook, Associate Professor of Political Economy, Univ. of Toronto.

LONDON. *Commonwealth Fund Professorship of American History,* tenable at University College. The Commonwealth Fund of New York appropriated $214,500 in 1929 to endow a Department of American History at University College, University of London, including a professorship and assistants. Present holder : Professor H. Hale Bellot, M.A. Oxon. A sum of £4991 was raised in London and New York, the income of which is available for the library of American History at the College and the library on the same subject at the Institute of Historical Research, University of London, Senate House, London, W.C.1.

MANCHESTER. *Department of American Studies.* The Dept. was instituted in 1948, when Prof. I. L. Kandel, formerly Professor of Education at Columbia Univ., was appointed Professor of American Studies ; he retired in 1950. The Dept. gives courses which may form part of the Ordinary degrees of B.A., B.A.(Mus.), B.A.(Com.) and B.A. (Admin.), or of the degree of B.A. with Honours in Politics and Modern History ; research students are also accepted. The staff of the Dept. consists of 2 full-time and 1 pt.-time Lectrs. *See also* p. 394.

OXFORD. *George Eastman Visiting Professorship.* At the time of his election, the Professor must be an American citizen " eminent in teaching or research in any branch of University study." Period of appointment is normally from 1 to 5 years. Appointments are made to the Professorship with a view to the representation of different subjects of study by successive appointees. 1954–55 : J. H. Finley, M.A. Ball., Professor of Greek and Latin and Master of Eliot House (Harvard).

Harold Vyvyan Harmsworth Professorship of American History. At the time of his election the Professor, whose term of office is 1 to 5 years, must be an American citizen. 1954–55 : C. Vann Woodward, Professor of American History (Johns Hopkins).

WALES. University College of Wales, Aberystwyth. Lectures are given in the Dept. of History on the History of the United States of America 1783–1941. The lecturer appointed is normally a specialist in American History (at present A. A. Conway, M.A. Lond.).

SIR GEORGE WATSON CHAIR OF AMERICAN HISTORY, LITERATURE AND INSTITUTIONS, founded 1920. The holder, in alternate years a British and American authority on one of the subjects, delivers a course of lectures at a British University or other institution. Lecturer, 1953 : R. F. Harrod. Subject : " The Dollar." Lecturer, 1954 : Dr. Robert Hutchins. Subject : " The Idea of an American University." The Foundation is administered by the Sulgrave Manor Board and all communications should be addressed to the Secretary (G. M. Veit,

M.A.), 37 Charles St., Berkeley Sq., London, W.1. *Telephone*: Mayfair 7400.

UNITED STATES EDUCATIONAL COMMISSION IN THE UNITED KINGDOM. Under the provisions of the Fulbright Act of the United States Congress, part of the currencies and credits of other countries (including several in the Commonwealth) acquired by the United States through the sale of surplus property abroad can be used for educational exchanges. Scholarships for research and study in Britain or the Colonies are available to American graduate students, and awards are also made to visiting American professors and lecturers and advanced research students, while sterling grants covering transatlantic fares and United States rail costs are made to British professors, lecturers, research workers and graduate students going to American Universities, the funds available to the Commission allowing for an expenditure up to £357,000 p.a. The Fulbright programme in the United Kingdom is administered by the United States Educational Commission in the United Kingdom, which was established by an agreement between the United Kingdom and the United States Governments in Sept. 1948 as a joint Commission of seven British and seven American members.

Executive Secretary, United States Educational Commission in the United Kingdom—Richard P. Taylor, M.A. *Postal Address*: 55 Upper Brook St., London, W.1. *Cables*: Usedcom. *Telephone*: Mayfair 2191-3.

MARSHALL SCHOLARSHIPS. To express the United Kingdom's gratitude to the United States Government and people for the European Recovery Programme, H.M. Government, under the Marshall Aid Commemoration Act, 1953, established a scheme of scholarships tenable at Universities and University Colleges in the United Kingdom by citizens of the United States. The scheme is administered by a Commission of nine persons under the chairmanship of Sir Oliver Franks, G.C.M.G., K.C.B., C.B.E., the Executive Secretary being Dr. J. F. Foster, of 36 Gordon Square, London, W.C.1. Twelve scholarships, tenable for two years with a possibility of extension to a third and of a normal value of £550 per year, with transatlantic fares, are offered each year to United States graduates of both sexes under 28 years of age. High academic ability and wide interests are demanded of the candidates. The primary selection of scholars is made in the U.S.A. by regional committees whose secretariats are at H.M. Consulates-General in New York, New Orleans, Chicago and San Francisco, where full particulars and application forms may be obtained. The first Marshall Scholars entered British Universities in 1954. The closing date for applications is usually October 15 of the year previous to the one in which tenure of a scholarship will commence.

BRITISH INFORMATION SERVICES, 30 Rockefeller Plaza, New York 20, N.Y. (*Cables*: Digestion, New York; *Telephone*: Circle 6-5100) (Reference Division, Press and Radio Division, Films and Publications Division). B.I.S. is a part of the Foreign Office Information Services and its services are confined to the United States and its possessions. It has a library of official documents, British newspapers and periodicals, and books dealing with every aspect of British affairs; these are avail-

able for inter-library loan as well as for study in the B.I.S. reading-room. B.I.S. has a collection of the calendars of United Kingdom Universities of which all but the most recent issues are available for loan ; calendars can be borrowed only through a local library, as B.I.S. does not lend books direct to individuals. B.I.S. answers enquiries on British affairs, and publishes information papers, pamphlets and periodicals. The Reference Section answers enquiries on British and Commonwealth affairs. A special section deals with Economic affairs. British Government Films are available for hire or sale. Speakers are provided for clubs, schools, Universities and other organizations. B.I.S. is the agency in the United States for Her Majesty's Stationery Office. It has branch offices in Washington (3100 Massachusetts Avenue), Chicago (720 N. Michigan Ave.), San Francisco (310 Sansome Street), and Los Angeles (448 South Hill Street). Director-General—John W. Russell.

PUBLICATIONS. Students in the United Kingdom who contemplate a period of study in the United States, and who wish to consult the calendars of the various Universities, are advised to apply to the Cultural Affairs Office of the American Embassy, 41 Grosvenor Square, London, W.1, where they may also obtain general information and advice about the facilities for higher education which are available in the U.S.A. A useful publication is the *Complete Guide to American Colleges and Universities* by Clarence E. Lovejoy (Simon and Schuster, New York). Another helpful reference book is *American Universities and Colleges*, published by the American Council on Education, 1785 Massachusetts Avenue, N.W., Washington 6, D.C. Pt. I is devoted to a general explanation of the organization and operation of higher education, and includes a special chapter on the foreign student in the United States ; Pt. II gives separate statements of the individual Colleges and Universities, arranged alphabetically. *See also* Appendix IX.

Students in the United States who wish to refer to the calendars of Commonwealth Universities should apply, as regards United Kingdom Universities, to the British Information Services (*see above*) and, as regards Universities in other parts of the Commonwealth, to the Institute of International Education, 1 East 67th St., New York 21, N.Y.

APPENDIX VIII

INTERNATIONAL UNIVERSITY ORGANIZATIONS

THE INTERNATIONAL ASSOCIATION OF UNIVERSITIES (I.A.U.) was formed, and its constitution adopted, by the delegates of 167 Universities and institutions of higher learning from 52 different countries, at the International Conference of Universities held at Nice in Dec. 1950. The first steps towards its formation had been taken by the Preparatory Conference of Universities organized at Utrecht in Aug. 1948 by UNESCO, in collaboration with the Netherlands Government. Its membership, as was hoped at the founding Conference, now consists of some 200 selected Universities and institutions of University rank all over the world.

The purpose of the Association, as defined in its constitution, is " to provide a centre of co-operation at the international level among the Universities and similar institutions of higher education of all countries, as well as among organizations in the field of higher education generally." The organs of the Association are: the General Conference of Universities, meeting at least once every five years; the President of the Association, elected by the General Conference and holding office until the next meeting of the General Conference; the Administrative Board of the Association, of which the President of the Association is chairman; the International Universities Bureau, (I.U.B.), which is the Association's secretariat and maintains documentation, information and research services at the disposal of all institutions of higher education. It also publishes quarterly the *Bulletin of the International Association of Universities*, together with a series of special *Papers*: No. I—*Three Aspects of University Development To-day* (1953); No. II—*Health at the University* (1954). Other publications include: *Report of the International Conference of Universities, Nice, December 1950* (1951); *University Degree Systems* (1952); *The Rôle of the Universities* (1952); *International List of Universities* (1952 and 1955); *World Directory of Medical Schools* (prepared for and published by the World Health Organization, 1953); *Contribution à l'étude des équivalences* (four studies published in *Avenirs*, 1952–1954); *Conventions and Agreements relating to the Equivalence of University Degrees and Entrance Conditions* (1954); [*A Guide to*] *Inter-University Organisations* (1954).

The following are at present in office: *President of Association and Chairman of Administrative Bd.*, Dr. Jean Sarrailh, Rector, Univ. of Paris; *Vice-President of Association and Vice-Chairman of Administrative Bd.*, Dr. S. C. Roberts, Univ. of Cambridge; *Members of Administrative Bd.*, Vice-Chancellor E. Ashby, The Queen's Univ., Belfast; Vice-Recteur J. Baugniet, Univ. Libre de Bruxelles; Rettore C. Cereti, Univ. di Genova; Prof. M. C. Chagas, Univ. Nacional de

Brasil ; S. R. Dongerkery, Registrar, Univ. of Bombay ; Prof. W. Erbe, Univ. of Tübingen ; Prof. M. H. Fisch, Univ. of Illinois ; Recteur L. Garrido, Univ. Autónoma Nacional de México ; President M. V. De Los Santos, Univ. of Manila ; Prof. J. Nielsen, Univ. of Copenhagen ; Dean F. Rogers, Harvard Graduate School of Arts and Sciences ; Prof. T. Saglam, Univ. of Istanbul ; Rector A. Siassi, Univ. of Teheran. *Secretary-General of Association and Director of International Universities Bureau*, H. M. Keyes. *Postal Address* : 19 Avenue Kléber, Paris 16. *Telephone* : Kléber 52-00, Balzac 24-08.

INTERNATIONAL ASSOCIATION OF UNIVERSITY PROFESSORS AND LECTURERS. I.A.U.P.L. took shape from the amalgamation of two sources: the movement towards co-operation among University personnel, under the name of the International University Conference, which was inaugurated by the United Kingdom Association of University Teachers in 1934 ; and the activities and discussions of University teachers and research workers who were temporary inhabitants of Great Britain during the recent world war and who, with some British colleagues, formed themselves into the Association of Professors and Lecturers of the Allied Countries in Great Britain. Provisional statutes of I.A.U.P.L. were adopted at the Oxford Conference in 1944, and definitive statutes (which are now being revised) at the Brussels Conference in 1947.

I.A.U.P.L. is a democratically constituted, federal organization of separate national associations of University teachers. Since its formation I.A.U.P.L. has grown considerably in membership of national sections and groups, and in 1954 comprised 28 such affiliated associations, representing a total membership of some 59,000 University teachers. Each of the affiliated national associations retains its identity and autonomy. There are some individual members of I.A.U.P.L. where such national, University or College staff associations do not exist.

The broad aims of I.A.U.P.L. are the development of academic fraternity among University teachers of the various countries across national and faculty boundaries ; the protection of the independence and freedom of teaching and research ; the furtherance of the interests of University teachers ; and the consideration of any academic problems, whether initiated by the Association itself or referred to it by Governments, or Universities, or by UNESCO.

I.A.U.P.L. is a non-governmental, non-political, non-sectarian body. It is recognized as holding consultative status by UNESCO and by other United Nations organizations. It works in friendly co-operation with similar organizations in other fields of University work and life.

Its academic programme has comprised : the scheme for the establishment of an International Universities Bureau (1948) (*see* p. 1803), and of an International Institute of Social Sciences (1949) (this project is in abeyance pending developments planned by a UNESCO committee) ; the report on Student Health Services (1950) ; on Recurrent Long Leave (1950) ; a continuing report on the Equivalences of University Degree Systems (1948, 1950, 1953–1954) ; a study on the Exchange of University Personnel (1953) ; a continuing report on Academic Freedom ; a comprehensive study of the conditions of Salary, Super-

annuation and Status of University Teachers in various countries; and a current enquiry, undertaken in different countries, into the relations between Scientific Research in Universities and in industry. In its coming programme I.A.U.P.L. intends to study the following questions: the place of the Universities in training for management and executive posts in industry, visiting professorships, the contractual obligations and conditions of employment of University teachers who go abroad, and the selection of students for entrance to Universities (in particular the systems and extent of their assistance from public funds, bursaries, scholarships, etc.).

These and other topics of interest to all University teachers are discussed at annual international conferences which, since the war, have been held at Oxford, Brussels, Paris, Basle, Florence, Nice, Amsterdam, and Vienna.

Journal—*Communication*, normally published 3 times a year. *Hon. General Secretary*—Professor F. T. H. Fletcher. *Organizing Secretary*—Dr. Livesey Haworth, 19 Dunraven Street, London, W.1. *Telephone*: Mayfair 5934.

THE INTERNATIONAL FEDERATION OF UNIVERSITY WOMEN, founded in 1919, is a world-wide organization of women who have had a University training. Membership is open to all qualified University women without distinction of race, religion or political opinion, through National Associations which are affiliated in over 30 countries, with a total membership of over 153,000.

The aim of the Federation is to promote understanding and friendship among University women of different nationalities, and so to further their common interests and to develop sympathy and co-operation between their countries. The Federation offers members research fellowships, travel facilities, opportunity for exchange of posts and an organization for combined action to improve their professional status. Since 1936 it has built up special funds to assist University women in distress as a result of war or political upheaval.

The work of the Federation is planned by a Conference of delegates of the National Associations, of which there can be only one affiliated from each country. The Conference meets every three years to receive reports, to elect officers, to define policy, to consider new developments and to discuss questions of general interest. Between Conferences there are meetings of the Council, on which each National Association has one representative, and of Standing International Committees responsible for the direction of special activities. The International Headquarters Office in London acts as a co-ordinating centre.

The publications of the Federation include the *International Glossary of Academic Terms* (1939), *Human Rights: the Task before Us* (1950), an annual *Report* and a periodical *News-Letter*.

Executive Secretary—May C. Hermes, M.B.E., B.A. *Postal Address*: 1 Sedding St., London, S.W.1. *Cables*: Ifederuw, London. *Telegrams*: Ifederuw, Knights, London. *Telephone*: Sloane 8281.

WORLD UNIVERSITY SERVICE (formerly International Student Service) has developed from the feeling for mutual assistance between

members of the world University community which led to the formation of the University Committee of the Imperial War Relief Fund in 1920.

W.U.S. to-day is a fellowship of over thirty national committees co-ordinated by an International Secretariat in Geneva. It seeks to promote the free flow of information and to create a spirit of understanding between members of Universities and Colleges throughout the world. In war-devastated and undeveloped countries W.U.S. helps to establish new student hostels, clinics, sanatoria, rest centres, and refugee camps; as far as its funds permit, it provides drugs, supplementary food and clothing for individual students and lecturers in need, and books, stationery, laboratory equipment and periodicals are sent to Universities where they are lacking. In Britain, students are recruited by W.U.S. for overseas conferences, study tours, seminars and vacation courses, travel bursaries often being made available. Hospitality is sought for colonial and foreign students in Britain, and W.U.S. seeks to develop the interest of British students in University life abroad.

The International Headquarters of W.U.S. is at 13 rue Calvin, Geneva, Switzerland.

President, British Committee—Sir Walter Moberly, G.B.E., K.C.B., D.S.O., M.A., D.Litt. *General Secretary*, British Committee—Douglas Mayer, B.Sc. *Postal Address*: 59 Gloucester Place, London, W.1. *Telegrams*: Interstud, London. *Telephone*: Welbeck 3921.

UNESCO AND UNIVERSITIES. UNESCO, the United Nations Educational, Scientific and Cultural Organization, directly and indirectly fosters international contacts among Universities all over the world and encourages them to give mutual assistance in various fields of their activities. The annual UNESCO publication, *Study Abroad*, lists more than 43,000 fellowships offered by Governments and other bodies to students of various nations to enable them to study abroad.

UNESCO gave impulse and assistance to the representatives of various national Universities in the organization of two University Conferences: at Utrecht in 1948 and at Nice in 1950. (*See* I.A.U. above.)

UNESCO maintains close working relations with the international University bodies listed above and with the international student organizations. All these organizations benefit from a special consultative arrangement with UNESCO.

The working programme of UNESCO includes several activities of importance to the Universities, such as, upon their request, assisting them to obtain books and other equipment; helping certain countries to find University teachers abroad; publishing quarterly lists of University staff wishing to consider a teaching assignment abroad; organizing assistance to refugee students; maintaining special regional offices throughout the world to promote co-operation among scientists in the area; offering assistance to international organizations in all fields of education, science, and culture, and promoting the creation and development of such organizations; promoting the creation of

research centres on an international basis (*e.g.* a computation centre); working for an improvement in scientific abstracting. The Universities of different countries often provide UNESCO with experts to carry out these projects.

The programme of UNESCO is carried out by the 72 Member States, assisted by a secretariat, headed by the Director-General. *Postal Address*: 19 Avenue Kléber, Paris 16. *Telegrams*: Unesco Paris. *Telephone*: Kléber 52-00, Balzac 24-02.

APPENDIX IX

SHORT BIBLIOGRAPHY

The two lists which follow do not claim to be exhaustive and may be supplemented by reference to the " Publications " paragraph in each University entry above.

PART ONE

This section lists books and reports of immediate interest which have appeared since the 1954 *Yearbook* went to press.

Annuarium. First edition, 1954. (Catholicarum Universitatum Foederatio, Rome.)

Conference of the Home Universities, 1954: Report of Proceedings (Association of Universities of the British Commonwealth, 1955). Topics of discussion were : The supply of teachers for Mathematics and Science ; Are undergraduate courses of study overloaded ? ; The retiring age for university teachers.

European Convention on the Equivalence of Diplomas leading to admission to Universities. Cmd. 9039. (H.M.S.O., 1954.)

Federation of British Industries, London :

A Career for the Graduate in Industry (1954).
Industry and the Graduate (1954).
The Shortage of Science Teachers (1954).

Fifty Years of Examining: The Joint Matriculation Board, 1903–1953. J. A. Petch. (Harrap, 1953.)

Graduate Teachers of Mathematics and Science. A Report of the National Advisory Council on the Training and Supply of Teachers. (H.M.S.O., 1953.)

Halls of Residence. H. W. Turner. (New Zealand Council for Educational Research, 1953.)

Handbook on International Study. (Institute of International Education, New York, 1955.)

A History of the University College, Nottingham, 1881–1948. Professor A. C. Wood. (Blackwell, Oxford, 1953.)

International Association of Universities :

Health at the University. Papers of the I.A.U. : No. 2. (International Universities Bureau, Paris, 1954.)
International List of Universities and other Institutions of Higher Education. (I.U.B., 1955.)
Inter-University Organisations. (I.U.B., 1954.)

The Nuffield Foundation: Report on Grants 1943–53. (Nuffield Foundation, London, 1954.)

The Organisation and Finance of Adult Education in England and Wales. Report of Committee appointed by Minister of Education. Chairman : Dr. E. Ashby. (H.M.S.O., 1954.)

Political and Economic Planning Broadsheets :

Background of the University Student. Broadsheet No. 373. (Political and Economic Planning, London, 1954.)

Graduate Wives. Broadsheet No. 361. (P.E.P., 1954.)

The Keele Experiment: The University College of North Staffordshire after Four Years. Broadsheet No. 372. (P.E.P., 1954.)

Students from the Colonies. Broadsheet No. 374. (P.E.P., 1954.)

Science in the Extra-Mural Work of Universities. Professor R. Peers. (Universities Council for Adult Education, 1954.)

Seventh Congress of the Universities of the Commonwealth, 1953: Report of Proceedings. (Association of Universities of the British Commonwealth, 1954.)

The Story of a Modern University: A History of the University of Sheffield. Dr. A. W. Chapman (Oxford University Press, 1955).

Survey of Higher Education, 1950–52 (Part II of the Biennial Survey of Education in Canada, 1950–52). (Dominion Bureau of Statistics, Education Division, Ottawa, 1954.)

The Teaching of the Social Sciences in the United Kingdom. (Unesco, 1953.)

The University of Glasgow, 1451 to 1951: A Short History. Professor J. D. Mackie. (Jackson, Son and Co., Glasgow, 1954.)

The University of Leeds: The First Half Century. Professor A. N. Shimmin. (Cambridge University Press, 1954.)

PART TWO

This list covers works of more than immediate interest, but for the most part does not include those already listed in Part I. It does not include books about individual Universities.

General and Reference Books

Australia

A Brief Guide to Australian Universities. Second edition, 1951. (Melbourne University Press, for Australian Council for Educational Research.)

Student Selection and Academic Success in Australian Universities. C. Sanders. (Govt. Printer, Sydney, for Commonwealth Office of Education, 1948.)

[*Australian*] *University Statistics: Year 1952. Part I, Staff and Students; Part II, Degrees Conferred, Libraries and Finance.* (Commonwealth Bureau of Census and Statistics, Canberra, 1953.)

Austria

Study in Austria. (Austrian Committee for International Educational Exchange, Vienna, 1954.)

Canada

Canadian Universities and Colleges (formerly *Yearbook of Canadian Universities*). Edited by J. B. Marshall and D. J. Wright (National Conference of Canadian Universities, 1954).

Denmark

Higher Education in Denmark. (Danish Ministry of Education, 1954.)

France

Recueil de statistiques scolaires et professionnelles, 1949–1951. (Bureau Universitaire de Statistique, Paris.)

Germany

Deutscher Hochschulführer, 1954–55. (Stollfuss, Bonn, 1954.)

India

Bureau of Education, India : Education in Universities in India, 1951–1952. A statistical survey. (Delhi, 1954.)

Handbook of the [Indian] Universities, 1951. (Inter-University Board, India.)

Higher Education in India: A Handbook for Overseas Students. (Ministry of Education, Government of India, 1953.)

Institutions for Higher Education in India, 1953. (Ministry of Education, Government of India, 1953.)

South America

Planes de estudios de las universidades latinoamericanas. Biblioteca Universitaria Latinoamericana : Vol. II. (Unión de Universidades Latinoamericanas, Guatemala, 1953.)

Spain

Universidad Española: Informacion para Extranjeros. S. Alvarez Catala. Second edition, 1949. (Ministerio de Educacion Nacional.)

Switzerland

Schweizerischer Hochschulkalender, 1954–55. 89th edition. (Leemann, Zürich, 1954.)

United Kingdom

British Universities. Sir Ernest Barker. (Longmans, Green, for British Council, revised edition 1949.)

British Universities. S. C. Roberts. (Collins, 1947.)

The British Universities. Sir Charles Grant Robertson. (Methuen, 1944.)

British Universities Summer Schools, 1955. Restricted to international summer schools arranged under an inter-University programme. Obtainable from Univs. of Birmingham, Edinburgh, London and Oxford. Published 1954.

First Year at the University. Bruce Truscot. (Faber, 1946.)

Handbook for Indian Students. A Guide to the Facilities for University and Professional Studies and Training in the United Kingdom. Ninth edition, Part I, 1953. (High Commission of India, London.)

Higher Education in the United Kingdom : A Handbook for Students from Overseas. (Longmans Green, for British Council and Association of Universities of the British Commonwealth, 1954.)

The Problem Facing British Universities. (Oxford University Press, for Nuffield College, 1948.)

Redbrick University. Bruce Truscot. (Faber, 1943.) [New edition, published in 1951 by Penguin Books, also contains certain chapters from *Redbrick and these Vital Days.*]

Redbrick and these Vital Days. Bruce Truscot. (Faber, 1945.)

Scholarships Abroad. Scholarships offered to British students by Foreign Governments and Universities. Published annually. (British Council.) *See also* p. 1744.

Universities in Britain. S. R. Dongerkery. (Oxford University Press, Bombay, 1953.)

University Graduates : A Summary of Possible Openings. No. 42 in " Careers for Men and Women " series. (H.M.S.O., for Ministry of Labour and National Service, 1947.)

United States of America

Accredited Higher Institutions. Bulletin 1952, No. 3. Published approx. every 4 yrs. (Federal Security Agency, U.S. Office of Education, 1952.)

American Universities and Colleges. Edited by Mary Irwin. Sixth edition, 1952. (American Council on Education.)

Educational Directory, Part 3 : Higher Education. Published annually. (Federal Security Agency, U.S. Office of Education.)

Higher Education in the United States: A Summary View. F. M. Rogers. (Harvard University Press, 1952.)

The Crisis in the University. Sir Walter Moberly. (S.C.M. Press, London, 1949.)

The Degrees and Hoods of the World's Universities and Colleges. F. W. Haycraft. 1948 edition revised by E. W. S. Stringer. (Cheshunt Press.)

Education in a Divided World : The Function of the Public Schools in our Unique Society. J. B. Conant. (Harvard University Press, 1949.)

The Idea of a University. John Henry Newman. (Various editions.)

Index Generalis. Edited by S. de Montessus de Ballore. Nineteenth year, 1952–53. (Dunod, Paris, 1953.)

Inter-Commonwealth Postgraduate Scholarships in Science. Published for British Commonwealth of Nations Scientific Liaison Offices. (H.M.S.O., 1951.)

International Glossary of Academic Terms. (International Federation of University Women, 1939.)

Life in the Mediæval University. Robert S. Rait. (Cambridge University Press, 1912.)

Minerva: Jahrbuch der Gelehrten Welt. Universitäten und Fachhochschulen. 1. Band : Europa. Edited by Dr. G. Oestreich and F. Degener. Thirty-fourth issue. (de Gruyter, Berlin, 1952.)

Mission of the University. José Ortega y Gasset. (Kegan Paul, 1946.)

Study Abroad. International Handbook of Fellowships, Scholarships and Educational Exchange. Volume VI, 1953–54. Also *Vacation Study Supplement to Volume V.* (UNESCO, 1954.)

Universities : American, English, German. Abraham Flexner. (Oxford University Press, 1930.)
The Universities and Educational Systems of the British Empire. Arthur Percival Newton. (Collins, 1924.)
The Universities of Europe in the Middle Ages. Hastings Rashdall. New edition in 1936 by F. M. Powicke and A. B. Emden. (Oxford University Press.)
Universities of the World Outside U.S.A. Edited by M. M. Chambers. First edition, 1950. (American Council on Education.)
The University Outside Europe. Edited by Edward Bradby. (Oxford University Press, 1939.)
World Directory of Medical Schools. (World Health Organization, Geneva, 1953.)
The World of Learning. Fifth edition, 1954. (Europa Publications, London.)
The Yearbook of the Universities of the Commonwealth. Edited by J. F. Foster. Thirty-second issue, 1955. (Association of Universities of the British Commonwealth.)

Reports

Seventh Congress of Universities of the Commonwealth, 1953: Report of Proceedings. (Association of Universities of the British Commonwealth, 1954.) Companion volumes for First (1912), Second (1921), Third (1926), Fourth (1931), Fifth (1936) and Sixth (1948) Congresses.
International Conference [at Nice] of Universities: Report. (International Universities Bureau, 1951.)

Canada

National Conference of Canadian Universities : Reports of Annual Meetings. (N.C.C.U.)
National Development in [Canadian] Arts, Letters and Sciences, 1949–51 : Report of Royal Commission. Chairman : Rt. Hon. Vincent Massey. (Printer to H.M. the King, Ottawa, 1951.)

Colonies

Commission on Higher Education in the Colonies : Report. Chairman : Mr. Justice Asquith. Cmd. 6647. (H.M.S.O., 1945.)
Inter-University Council for Higher Education Overseas: Annual Report. (H.M.S.O.)

Germany

University Reform in Germany : Report by a German Commission. (H.M.S.O., 1949.)

India

[Indian] University Education Commission. Volume I : Report and Appendices ; Volume II : Evidence. (Delhi, 1949 and 1951.)
Inter-University Board of India : Annual Report. (Inter-University Board of India.)

South Africa

[*South African*] *University Finances and Salaries, 1951: Report of Commission of Enquiry.* Chairman: J. E. Holloway. (Govt. of Union of South Africa, 1953.)

United Kingdom

Advisory Council on Scientific Policy: Report. Published annually. (H.M.S.O.)

Conference of the Home Universities, 1954: Report of Proceedings. Companion volumes for Annual Conferences from 1946 to 1952. (Association of Universities of the British Commonwealth.)

Dentistry: Report of Inter-Departmental Committee. Chairman: Lord Teviot. Cmd. 6727. (H.M.S.O., 1946.)

Education for Management. Report of a specialist team which visited the U.S.A. in 1951. (Anglo-American Council on Productivity, 1951.)

Future Development of Higher Technological Education: Report of National Advisory Council on Education for Industry and Commerce. (H.M.S.O., 1950.)

Higher Agricultural Education in England and Wales: Report of Committee. Chairman: Dr. T. Loveday. Cmd. 6728. (H.M.S.O., 1946.)

Higher Technological Education: Report of Special Committee. Chairman: Lord Eustace Percy. (H.M.S.O., 1945.)

Medical Schools: Report of Inter-Departmental Committee. Chairman: Sir Wm. Goodenough. (H.M.S.O., 1944.)

Oriental, Slavonic, East European and African Studies: Report of Inter-Departmental Commission of Inquiry. Chairman: The Earl of Scarbrough. (H.M.S.O., 1946.)

The Planning of University Halls of Residence: Report of Commission appointed by Committee of Vice-Chancellors and Principals of Great Britain and Ireland. (Clarendon Press, Oxford, 1948.)

Political and Economic Planning Broadsheets (*see also* p. 1808):

Choosing University Students. Broadsheet No. 357. (Political and Economic Planning, London, 1953.)

Technological Education. Broadsheet No. 319. (P.E.P., 1950.)

Universities and Adult Education. Broadsheet No. 328. (P.E.P., 1951.)

University Courses. Broadsheet No. 306. (P.E.P., 1949.)

The University Student: Selection and Awards. Broadsheet No. 297. (P.E.P., 1949.)

University Students: A Pilot Survey. Broadsheet No. 310. (P.E.P., 1950.)

Remuneration of Consultants and Specialists: Report of Inter-Departmental Committee. Chairman: Sir Will Spens. Cmd. 7420. (H.M.S.O., 1948.)

Scientific Man-Power: Report of Committee appointed by Lord President of Council. Chairman: Sir Alan Barlow. Cmd. 6824. (H.M.S.O., 1946.)

Select Committee on Estimates : Fifth Report, Session 1951–52. The Grant in Aid of Universities and Colleges. (H.M.S.O., 1952.)
Social and Economic Research : Report of Committee. Chairman : Sir John Clapham. Cmd. 6868. (H.M.S.O., 1946.)
Teachers and Youth Leaders : Report of Committee appointed by the Board of Education. Chairman : Sir Arnold McNair. (H.M.S.O., 1944.)
Training and Supply of Teachers. First Report of the National Advisory Council, 1949–51. (H.M.S.O., 1951.)
Universities and Industry. Report of a specialist team which visited the U.S.A. in 1951. (Anglo-American Council on Productivity, 1951.)
University Awards : Report of Working Party appointed by Minister of Education. (H.M.S.O., 1948.)
University Grants Committee : A Note on Technology in Universities. (H.M.S.O., 1950.)
University Grants Committee : Returns from Universities and University Colleges in Receipt of Treasury Grant. University Statistics. Published annually. (H.M.S.O.)
University Grants Committee: University Development, Report on the Years 1947 to 1952. Cmd. 8875. (H.M.S.O., 1953.)
Veterinary Education in Great Britain : Second Report of Committee. Chairman : Dr. T. Loveday. Cmd. 6517. (H.M.S.O., 1944.)

United States of America

General Education in a Free Society : Report of the Harvard Committee. (Harvard University Press, 1945.)
Higher Education for American Democracy : Report by U.S. President's Commission. (Washington, U.S. Govt. Printing Office, 1947.)

PERIODICALS

Bulletin of American Association of University Professors. Edited by Ralph E. Himstead. (A.A.U.P.)
Bulletin of International Association of Universities. Published quarterly. (International Universities Bureau, Paris.)
Communication. Journal of International Association of University Professors and Lecturers. Edited by Prof. R. C. McLean. Usually published three times per annum. (I.A.U.P.L., London.)
The Educational Record. Published quarterly. (American Council on Education.)
Universities Quarterly. Edited by Sir Charles Morris. (Turnstile Press, London.)
The Universities Review. Edited by Prof. C. M. MacInnes. Issued by the Association of University Teachers.

INDEX OF NAMES

OF

STAFF AND OFFICIALS

AARON, R. I., 532
T. H., 696
Aarts, W. H., 1196
Abbas, A., 1233
I. R., 1556
S., 1493
S. A , 1237
T. M., 509
Abbas Sahib, M. S. M. Z., 1237
Abbasi, M. R., 1386
Abbey, R. L., 1004
Abbie, A. A , 980
Abbott, A. C., 814
B. C., 301
C. W., 1146, 1148
Canon E. S., 263, 322
S. G., 630
Abdel Malik, E. T., 1557
Abdin, A. M., 1556
M. Z., 1401
Abdul Alim, A. K. M., 1467
Abdulla Nur, M., 1555
Abdullah, A. B., 1386
S. M., 1481, 1484
Abedi, W. H., 1480
Abedin, Z., 1236
Abel, A. L., 367
G., 761, 762
Abele, K., 986
Abell, C. P., 177
Abercorn, Duke of, 671
Abercrombie, D., 600
M., 299
N. G., 999
Sir P., 1457
Aberdare, Lord, 555
Aberdeen, J. E. C., 1031
Aberhart, C., 933
Abernethy, D. A., 454
Abeyakoon, W. F., 1451
Abeywickreme, B. A., 1451
Abhayaratne, O. E. R., 1456
Abhyankar, N. L., 1373
R. N., 1389
S. K., 1225
Abid, A. A. S., 1480
M., 1234
Abidi, S. A. H., 1309
Ablett, J. J. L., 169
R , 191
Abraham, Mrs., 1275
A., 1427
C., 1297
C. C , 1357
E. P., 453, 463
G., 1134
G. E. H , 191
J. W., 781
N., 1372
P. S , 1427
Mrs S., 1355
W. V., 1042
Abrahams, I., 1132
Abrahamson, A. C., 723
B., 1132
Abrahart, B W., 147
Abrams, J. T., 287
M., 1197
Abrioux, O. M., 582
Abson, H., 504
J. W., 412
Acaster, A G., 614
Achar, S. T., 1355
Achari, G., 1402
Acharya, B., 1435
B. N., 1285
K. N., 1382
P. D., 1333
S. S , 1384
V. H., 1285
Achaya, K., 1306
S., 1309
Acheson, G. J., 1194
M. E., 644
R. M., 453, 467
Achwal, M. B., 1268
W. B., 1279
Acker, J. C., 750
T. B., 750
Ackerman, E. M., 1163
H. R., 1135
Ackermann, P. B., 1156
Ackrill, J. L., 448, 459
Ackroyd, C., 1226
J. F., 355
J. I., 994
P. R., 82
Acton, A. B., 620
H. B., 246
Adair, E. R., 778
G. S., 88
R., 148
Adam, G. D., 428
H., 603
J. W. L., 581
K. R., 1558
L., 1002
M. G., 439, 473
N. K., 517, 521
R. J., 646
Adamolekun, N. K., 1530,1532
Adamovitch, G., 403
Adams, A. F. R., 1115
A. R. D., 198
A. W., 67
Rev. A. W., 455, 464
C. D , 1524
C. G., 265
D. K., 627
D. M., 851
D. S., 34
H. F. T , 1101
H. W. J., 287
J. C., 356
Mrs. J. C., 721
J. R., 724, 727
J. W., 905
J. W. L., 502, 505, 510
K. D., 912
L. J., 785
P. L., 1060
S. M., 918
W., 1502, 1540
W. E., 1093
W. G. S., 1140
W. S., 39
Adamson, A. P. C., 928
C., 413
D. G., 650
G. L., 812, 813
G. T., 166
I. T. A. C., 611
J., 647
J. D., 812
K. T., 1007
T. C., 606

Adamson, W. A. D., 606
Adaskin, H., 721
M., 904
Adaveesiah, C. N., 1360
Adawadkar, P. G., 1372
Adawi, I. A. el, 1556
Adcock, C. J., 1112
Sir F. E., 101
Addir, E. R., 796
Addison, A. A., 406
C. C., 424
W. E., 425
Adelaar, T. F , 1171
Adelaide, Gov. of, 980
Adey, W. R., 991
Adhami, O. M., 1236
Adhikari, B. P., 1338
Mrs. M., 1371
N. S., 1332
Adie, A. B., 939
Adinarayan, S. P , 1351
Adisahrahmanyam, T. S , 1355
Adisayam, Rev. J., 1351
Adiseshayya, P., 1354
Adiseshiah, Mrs. H. E. M., 1306, 1307
Adivarahan, K. A., 1350
P., 1255
Adkin, B. C., 391
Adkins, A. W. H., 619
B., 256
Adlam, R., 1306
Adler, C., 1201
D. I., 1204
S., 1140
Adoni, D. L., 1422
Adrian, E. D., 106
Adshead, J. G., 744, 750
Advani, R. D., 1324
T. M., 1282
Ady, P. H., 441, 474
Affleck, A. F., 693
J. W., 172
Afridi, M. K., 1489
W. N., 1341
Afzal, Mrs. A., 1479
M., 1481
N., 1387
Afzaluddin, A., 1236
Agabawi, K., 1556
Agar, Mrs. D. M., 109
H., 160, 170
J. N , 81, 106
W T., 1004
Agarwal, A. K., 1339
A. N., 1305
B. L., 1223
B. R., 1417
H., 1370, 1371
M. P., Agra, 1229
M. P., M.Com., 1316
N. N., 1310
R. C., 1337
R. P., 1338
R. S., 1221
Mrs. S., 1412
S. C., 1336
S. N., 1379
S. P., 1338
V. P., 1228
Agarwala, B. K., 1417
B. L., 1342
S. G., 1228
Agate, J., 472
Ager, D. V., 257
Aggarwal, A. L., 1304
S., 1311
Agha, T. A., 1493
Agharkar, S. P., 1407
Aghoramurti, K., 1304
Agius, E., 1520
Agnes, Rev. Mother, 1489
Agnes William, Sr , 845
Agnew, A. M., 726
Sir F., 1179
G. H., 934
Agnihotri, J. R., 1393
Mrs. K., 1228
P. N., 1371
Agranat, A. L., 1200
Agrawal, N. S , 1373
R. P., 1338
Agrawala, A. N., 1240
V. S., 1259
Agrell, S. O., 87
Aharoni, J., 258
Ahern, W. K., 899, 900
Aherne, J. C , 1791
Ahlip, B., 1452
Ahlquist, K. A., 557
Ahluwalia, H. S., 1393
S., 1305
Ahmad, A., 1488
Mrs. A. M., 1479
B., 1479
E., 1340
F., 1469
Fazal, 1481
G , I.L.B., 1328
G., M.Sc., 1329
Ghulam, 1484
K., 1466
K., M.A., 1468
K., Patna, 1403
K. A., 1466
K. S., 1485
K. S. D., 1479
L. L., 1307
M., Aligarh, 1238
M., B.A., 1469
M., Dacca, 1466
M., Jammu, 1328, 1329
M., M.A., 1480
M., M.Sc., 1234
M., Panjab, 1479, 1481
M., Ph.D., 1233, 1234
M. G. Z., 1243
M. M., 1476
M. M., B.Sc., 1487, 1489
M. N., 1483
M. S., 1487
N., Dacca, 1467
N., D.Sc., 1478
N., M.A., 1338
N., M.Sc., 1235
N., M.Sc. (Maths.), 1237
Niaz, 1484
N. L., 1282
P. G., 1328
R., 1236
Ahmad, S., Dacca, 1469
S., Karachi, 1475
S., M.Sc., 1481
S., Ph.D., 1478
S. K., 1402
S. M., 1233
S. M., M.Sc., 1488
S. N., 1237
S. N., LL.B., 1491
S. R., 1480
S. S., 1491
Z., 1478
Z. I., 1235
Z. U., 1418
Ahmad Sahib, Q. M., 1237
Ahmadullah, A. K., 1471
Ahmed, A., M.A., 1386
A., M Sc., 1388
B., 1381
F., 1383
G., LL.B., 1383
G., M.Sc., 1387
G. J., 1386
J. M., 1555
K., 1470
M., Dacca, 1466
M., Dacca, M.A., 1468, 1470
M., M.A., 1386
M., M.Sc., 1236
M., Ph.D., 1465, 1466
M. M., 1387
R., 1471
S , 1382, 1385
S. N., 1361
S. S., 1386
T., Dacca, 1471
T., Osmania, 1385
Z., 1383
Ahmeduddin, S. M., 1384
Ahrens, L. H., 444
Ahsan, A. S., 1480
M , 1384
S. Z., 1475
Ahsen, S. M., 1388
Ahuja, Mrs. P., 1371
Aickin, K. A., 1003
Aiengar, V. G., 1365
Aikati, B. K., 1225
Aikenhead, J. D., 691
Aikens, H. F., 745
R. L., 748
Aikman, C. C., 1111
Ain, H. N., 1237
Ainley-Walker, E. W., 469
H. E. S., 456
Ainslie, D. S., 924
Ainsworth, G. C., 562
H., 189
H., M.A., 256
L. H., 1537
N. J., 342
Airan, J. W., 1285
Aird, F. A., 1006
I., 373, 1140, 1207
L., 1464
Airey, W. T. G., 1107
Airth, A. D., 138
G. R., 65
Aitchison, G. J., 983

Aitchison, J., 626
J. H., 745
L., 35
M., 401
M. M., 148
R. E., 1048
Aitken, A., B.Sc., 428
A., LL.B., 625
A. C., 599
J. T., 299
R. N. C., 630
R. S., xxix, xxxiii, 28
V., 282
Y., 998
Aiyar, A. V., 1428
Sir C. P. R., xxx, 1252
S. P., 1451
Aiyaru, C., 1253
Aiyaswamy, N., 1440
Aiyer, S. P., 1389
Ajose, O. A., 1530
Akanda, S. A., 1467
Akbar, S. A., 1391
S. S., 1466
Akbaruddin, S. M., 1469
Akehurst, R., 236
Akhtar, J. D., 1393
K. A. M., 1493
S. M., 1479
Akins, F. E., 1102
Akolkar, V. V., 1322
Akram, M., 1387
Akrigg, G. P. V., 717
Al-Arabi, M., 1478
Al-Khalidi, W. A. S., 454
Al Nuwaihi, M. M., 1556
Alabaster, E. B., 41
Alagarwamy, V., 1255
Alam, A. W. S., 1468
S., 1388
S. M., M.A., 1387
S. M., Ph.D., 1236
Z., 1482
Alanbrooke, Visct., 657
Alarie, A., 758
Alavi, M. H., 1336
Alawi, A. H., 1487
Alban, Sir F. J., 555
Albaugh, G. P., 801
Albert, A., D.Sc., 300
A., Ph.D., 992
G., 764
H. A., 985
S., 788
Alberts, L., 1152
Albino, R. C., 1145
Albiston, H. E., 1011
Albrecht, F., 1003
Albright, Rev. L. S., 952
Albrow, K. H., 293
Alcock, C. B., 258
F. J., 737
L., 543
Alder, K. F., 1017
Alderman, A. R., 982
J. K., 397
Alderson, H. J., 800
Aldis, A. S., 557
Aldous, J. G., 749
M., 811
Aldred, A. S., 194
Aldrich, D. T. A., 318
Aldridge, D. D., 1526
Aldwinckle, R. F., 801
Aleem, A., 1233, 1238
Alexander, Rev. A. D., 593
A. E., 990, 1024, 1029
A. J. P., 65
B., 787
D. H., 666
E., 233
E. H., 728
F., 608
F., M.A., 1070
Mrs. F. E., 1529
G., 1254
G. L., 65
H., 871
H. G., 401
I. W., 538
J., 1285
J. B., 1146
J. D. F., 728
K. J. W., 502, 514
M. B., 538
M. S., 1052
N. E., 698
N. S., 1528, 1529
P., B.A., 165
P., M.A., 313, 619, 632
P. L., 1428
W., M.D., 813
W., M.Sc., 425
W. A., B.Sc., 638
W. A., M.B., 606
Alexandra, D. D., 999
Alexandrowicz, C. H., 1349
Alfred, Br., 772
Fr., 760
Alfrey, G. F., 32
Algar, J., 1785
Algate, F. M., 156, 573
Alhashmi, H. A., 1238
Ali, A., B.Sc., 1384
A., Dacca, 1467
A., M.A., 1435
A., M.Sc. Aligarh, 1235
A., M.Sc., Osmania, 1384
A., Panjab, 1481
A. A., 1484
A. M., 1388
H., 1382
H. A., 1381
I., 1468
K., 1233
K., M.A., 1388
M., 1309
M. A., 1329
M. H., 1234
M. M., 1386
M. S., 1387
R., 1479
S., 1481
Shujaat, 1482
S. A., 1237
S. A., M.Sc., 1236
S. B., 1466
S. M., B.Sc., 1469
S. M., M.Sc., 1235
S. M., Osmania, 1385
Ali, S. M., Ph.D., 1234, 1238
S. M. M., 1468
S. M. Z., 1241
S. N., LL.B., 1236
S. N., Ph.D., 1236
S. N. Q. Z., 1469
T., 1389
Tahir, 1494
W., 1317
Ali Ahsan, S. A. H., 1465
Ali Ashraf, A. N. M., 1467
Ali el Sharawy, H., 1556
Alice, H.R.H. Princess, Countess of Athlone, 284, 1542
Alimad Bashir, 1475
Alimchandani, H. R., 1280
Alington, G., 446, 468
Alison, K., 1108
Allaby, D. W., 801
Allam, E. W., 165
M. B., 354
Allan, A., 415
D. G., 927
D. J., 600
D. N., 143
F. G., 43
G., 684
H. R., 258
I. K., 1143
J., 601
Rev. J. A., 1092
J. H., 506
N. W., 1091
R. S., 1100
T., 638
Mrs. V. L., 151
W., 1553
W. C., 940
W. S. A., 603
Allanson, J. T., 32
Allard, C. A., 698
E., 766
J. L., 860, 861, 865
Allardyce, J., 714
Allaun, R. P., 70
Allaway, A. J., 570
Allbrook, D. B., 1535
Allcock, B. H., 1047
Allcut, E. A., 928
Alldred, A. J., 1095
Allegro, J. M., 403, 414
Allely, J. S. M., 903
Allemang, M. M., 935
Allen, A. C., 1771, 1773
A. D., 301
A. F., 1027
A. G., 335
A. L., 1202
A. S., 785
Sir C., 69
C. E. L., 1136
Sir C. K., 469
C. S., 728
C. W., 300, 310
D., M.D., 863
Dorothy, 840
D. N. de G., 257
E., 129
Rev. E. L., 137

Allen, F. L., 391
F. M. B., 662
Sir G., xxxiii
G., 756
Mrs. G. B., 922
G. C., 308
G. R., 452, 470
G. S., 713, 718
H. C., 446, 462, 491
H. R., 288
H. S., 281
J., D.Sc., 582
J., Ph.D., 397
J. A., 142
J. A , Ph D , 1062
J. C., 1204
J. F., 647, 653
J. R., B.E., 1027
J. R., M.A., 873
J. S., 141, 151
K A., 1028
K. E., 935
L., 128
L. B., 811
M , 321
Maude, 715
P., B Sc., 1146
P., Ph D., 494
Pamela, 624
R. A., 957
R. G. D., 273
R. L., 959
S. G., 335
T. P., 664
Mrs. T. S , 913
U. R., 66
V. L., 456
Ven W. C., 422
W. F , 689
W. G., 751
W. J., 166
W. M., 475
W. R., 532
W. S., 293, 296
Allen-Williams, D. J. F , 94
Alley, N. H., 1345
P. J , 1101
Alleykutty, K. P., 1309
Alleyn, R., 766
Allibone, E. C., 171
Allie, Rev. J. L., 865
Allin, E. J., 924
E. S., 698
Allison, A. C., 460, 461
C. J. M., 533
F. G., 812
H. M. B , 957
L. M., 839
P. R., 454
Allix, G., 494
Allott, A. J., 291
A. N., 294
K. C. B., 189, 205
Mrs. M., 189
Allsopp, A., 395
C. B., 328
H. B., 136
Allt, W. G., 390
Almamoon, M., 1233
Almond, R. L., 1199
Aloysius Mary, Sr., 707, 708
Alqadri, A. H., 1387
Alsbury, A. T., 716
Alsop, M., 1467
Alstead, S., 627
Alston, L. L., 639
M. H., 191
Altekar, A. S., 1401
M. M., 1285
Alton, R. E., 462, 470, 484
Altschul, A., 902
Alty, T., xxx, xxxiii, 1177, 1182
Alvi, Z., 1236
Alvin, K. L., 249
Amand, V., 1395
Amar, V. B., 1310
Amarasingham, J. S , 1455
Amarasinha, D. M., 1454
Amba Rao, C. L., 1446
Ambacher, M., 833
Ambedkar, B. R., 1284
Ambegaonkar, S. D., 1267
Ambrose, J. W., 872, 881
Amerasekera, D. V. A., 1452
Amerasinghe, C. D , 1455
C. W., 1452
U. A., 1452
Amery, G. D., 451, 459, 465
Rt Hon. L. C. M. S., 457, 1140
Amesua, Rev. F., 1350
Amies, A. B. P., 1006, 1007, 1013
C. R., 695
Amigo, G., 1025
Amin, M., LL.B., 1307
M., Ph.D., 1480
R. K., 1323
Amiot, L. P., 759
Amis, K. W., 551
Amjad, K. R., 1388
Amma, B A , 1428
Mrs. D., 1413
Mrs. K. R., 1354
N. A , 1249
Amoroso, E. C., 288
Amos, Rev. A. D., 544
Amot, G. A., 1017
Amyot, G. F., 727
R., 831
Anand, B. K., 1309
B. M., 1393
C. L., 1400
M. L., 1448
P., 1394
P. L., 1307, 1310
P. L., M.A., 1304
Anandjee, 1308
Anantakrishnan, S. V., 1351
Anantaraman, V., 1252
Ananthakrishman, T. N., 1350
Ananthan, B. N., 1384
Anantharamiah, K., 1361
Anas, M , 1234
Anatavaidyanathan, N., 1351
Anautha Rao, S. R., 1305
Ancaster, Earl of, 153
Anchan, O. S., 1357
Ancill, R. J., 57
Andersen, E. T., 811
H., 734
Anderson, A., 521
A F., F.R.C.S., 604, 608
A. F., M.D., 696
A. J., 697
A. J., B.A., 1028
A. R., 719
B. L., 744
C. K., 171, 173
C. M., 1114
D. C., 602
Sir D. F., 345
D. F., M.D., 628
D. J., M.D., 1050
D. J., M.Sc , 328
D. L , 31
D. M , 670
D S., 1005
David S., xxxii, 637
E. W., 409
F. H., 923
F. W., 907
G. H., 255
G. R., 588
G. R , Tor., 950
G. S , 146
G. W., 939
Rev. G. W., 38
H. F., 352, 353
H. G., 647
H G. A., 638
H. J., M.B., 358, 359
H. J., Ph.D., 821
H. R., 1033
I. M., 366
J., 1045
J. A., 277
J. C., 509
J D., 635
J. G. C., 545
J. K., 1090
Mrs J. L., 586
J. M., 924
J. N., 648
J. N. D., 293
J. R., 628
J. R., B.Sc., 1024
J. R. A., 1024
J. S., 999
M. E. G., 1205
M. L., 542, 601, 611
M. M., 1524
M. S., 272
N. C., 620
N. J., 1025
O. W., 963
P. G., 929
P. M., 1193
P. N., 666
R. A., 1101
R. H., 1041
R. L., 698
R. M., 1010
S. G., 1009
T., 627
T. E., 588
W., 1108
W. B., 104
W. F., 627

Anderson, W. G. D., 1131
W. J., 713, 716
W. L., 940
W. N., 171
W. S., 698
Anderton, Mrs. C. M., 137
Mrs. E., 1503
Andison, A. W., 812
J. G., 718, 724
Andley, K. K., 1305
Andoff, J. E., 801
Andrade, Rev. C., 1365
E. N. da C., 53
Andreas, D. W., 1530
Andren, C. P., 302
Andress, W. R., 1100
Andrew, A. M., 629
B. L., 647
E. R., 539
G. C., 713, 717
J. M. Y., 117
K., 1204
P., 404
Andrewartha, H. G., 986
Andrewes, A., 445, 465
C. H., 390
M., 245
U., 277
Andrews, C. W., 821
Rev. D. K., 938
E., 743
G. S., 76
H. K., 630
H. K., D.Mus., 447, 465
J., 1043
J. H., 1773
J. P., 1535
N. H., 1007
P. W. S. 442, 474
Andreyev, N., 89
Andriah, M., 1389
Andrusyshen, C. H., 905
Andrzejewski, B. W., 293
Andus, L. J., 1527
Anfreiter, J., 788
Ang, K. P., 1511
Angel, L. M., 984
R. B., 913
Angers, Fr. A., 828
Rev. P., 825
Anghie, B. C., 1451
Anglin, A. F. W., 931
D. G., 810
J. P., 784
Angove, P. M., 564
Angrove, H. S., 874
Angus, A., 443
H. F., 713, 716
J. D., 207
N. C., 1112
R. C., 589
R. H., 91, 106
T. C., 384
W., 871
W. R., 537
W. S., 580
Angyal, S. J., 1024
Anjan, M., 1387
Anjaneyulu, R., 1376
Anka, M., 858
Anna Gertrude, Sr., 844
Annamulai, M., 1254
Annan, N. G., 82, 101
Annapurna Bai, B. H., 1360
Anning, S. T., 170
Annunciata, Sr., 1353
Ansari, A., 1234
A. A., 1234
A. Q. M., 1471
I. H., 1236
M. I., 1418
M. S., 1233
M. Y., B.Sc., 1237
M. Y., Ph.D., 1389
S., 1467
S. A., 1238
T. H., 1476
Z., 1383
Ansbacher, F., 584
Anschutz, R. P., 1108, 1109
Anscombe, F. J., 86
G. E. M., 473
Ansdell, K., 962
Ansell, E., 96
M. F., 279
Anselm, Sr. M., 1095
Ansieau, G., 772
Anson, C., 472
W. W., 139
Anson-Owen, R. S., 456
Anstensen, A., 904
Anstey, R. T., 1529
Mrs. V. 271
Anthonis, P. R., 1465
Anthony, D. A., 177
D. W. J., 406
E. J., 273
J., 596
Anthony-Jones, W. J., 533
Antill, A. G., 452
Antoine, R., 1553
Antoinette, M., 1365
Anton, A. E., 583
Antoni, A., 929
Antonissen, R. J. K. E., 1179
Antonoff, G., 1475
M., 1506
Antonyswami, Rev. A. M., 1350
Anwar, A. A., 1475
A. R., 1480
M., 1387
M., M.Sc., 1478
N., 1479
S. M., 1479
Anwyl-Davies, T., 359
ap Griffith, G., 533
Ap Gwynn, A., 530
Ap-Thomas, D. R., 526, 538, 539
Apap Bologna, F. A., 1519
Apgar, V., 991
Apley, J., 64
Aplin, H. W., 519
Appajee, Y., 1363, 1364, 1366
Appapillai, V., 1453
Appasamy, K., 1343, 1345
Appelt, D. C., 902
Apperley, G. S., 937
Appleby, L. H., 728
Appleby, M., 545
Appleman, M. D., 581
Appleton, Sir E., xxix, 595
J. H., 154
Appleyard, D., 175
Apps, B. F. G., 983
Apte, B. K., 1282
D. G., 1265
G. G., 1375
G. S., 1269
V. M., 1423
Apter, D. E., 1527
Aquilecchia, G., 305
Aquilina, J., 1520, 1521
Arab, H. K., 1389
Arafat, W., 292
Arberry, A. J., 94, 103
Arbuckle, J. W., 728
Arcand, G., 761
L. J., 782
Archambault, C., 829
F., 832
J., 826
J. P., 765
L., 832
M., 763
P. R., 830
Archangela, Rev. Sr., 895
Archbold, J. W., 306
T. C., 121
Archdale, H. E., 1053
Archdall, M., 1051
Archer, F. E., 1026
J. B., 911
M., 34
R. L., 542
Archer-Hall, H. W., 41
Archibald, J., 942
J. G., 457
L. J., 746
W. J., 745
W. S., 698
Arcus, C. L., 391
Ardener, E. W., 1530
Argal, R., 1422
Argelliez, S., 33
Argent, S. H. V., 456
Argue, A. N., 80
C. W., 847
K. F., 717, 730
Arian-Baykov, I., 37
Arif, A. B., 1475
Aris, R. F., 70
Ariyapala, M. B., 1453
Arkell, A. J., 302
W. J., 107
Arkin, M., 1131
Arkle, J. S., 145
Arlic, A. B., 1405
Armachalam, K., 1357
Armatage, R. C., 806
Armfelt, R. N., 163
Armhold, A., 1133
Armitage, A., 308
A. L., 92, 103
B., 156
F. W., 460
G., 173
G. H., 37, 39
Rev. R., 938

Armitage, W. K , 163
Armour, J. C., 789
Armson, K. A., 920
Armstrong, Mrs. A. E., 444, 472
A. H., 188, 205, 1789
B., 325
B. H., 697
B. W., 1027
C. A. J , 445, 461
C. N., 143, 145
D. E., 776, 912
D. M., 251
D. M. G., 287
E. B., 660
G. D., 781
H., 494
H. S., 798, 800
Canon J., 1788
J. B., 813
J. R., 520
J. W., 1776
L. T., 931
O. G., 1774
R. W., 454
S., 63
T. H. W., 447, 460
W. A., 264
W. D., 91
W. E., 518
W. M., 721
W. S. S., 695
Armytage, W. H. G., 503
Arnason, T. J., 903
Arndt, H. W., 1076, 1078
Arneil, G. C , 627
Arney, S. E., 543
Arnikar, H. J , 1258
Arnold, B. C., 1099
B. H., 412
D., 666
D. V., 305
G. F., 306
Rev. J. L , 866
L., 912
M., 1193
R., 1131
R. K., 921
R. N., 597
W. H., 1026
Arnott, A. J., 1047, 1054
D. W., 292
Rev. F. R., 1047, 1053
J. F., 620
W. M., 39
Arnould, E. J. F., 1773
Mrs. I., 862
Arokia Mary, Sr., 1353
Arokiyaswami, M., 1349
Aronovitch, M., 786
Aronson, C., 1200
Arora, F. C., 1396
G. L., 1393
Mrs. P., 1345
Mrs. R., 1311
S. D., 1413
Arriola, P. M., 724
Arrowsmith, M. J., 945
Arsaratnam, S., 1452
Arschavir, A., 395
Arscott, C. M., 406
F. M., 1535
Arseniev, N., 945
Arthur, D., 940
D. R., 266
E. R., 928
G. H., 288
H. R., 145, 1503
P. D., 644
W., 622
Arthure, H G E., 324, 371
Arthurs, A. D. G., 912
J. B., 658
Arulanandy, K. S , 1452
Arulsamy, Rev. S., 1350
Arulswamy, Rev. J , 1350
Arumugam, K., 1454
Arunachalam Pillai, M , 1254
Arya, I. D., 1369
Aschaffenburg, R., 496
Aschenborn, H. J., 1164
Ash, C. L., 929, 933
E. B., 39
W. P , 1047
Asharaf, M., 1487
Ashby, A. W., 491
E., xxix, xxxiii, 657, 1803
K. R., 130
R. J , 256
Ashcroft, D. W., 366
G., 405
Asher, H. M. F., 37
J. A., 1107
R. E., 293
Asherson, N , 372
Ashford, C A., 62
Ashley, C. A., 925
G. T., 395
J. B., 321
Ashmead, J., 88, 107
Ashmore, A., 191
O., 415
P. G., 81, 99
Ashraf, M. D., 1388
Ashrey, R., 1311
Ashta, D. P., 1309, 1311
Ashtaputre, J A , 1333
Ashtikar, B. R., 1375
Ashton, D. H., 999
E. H , 29
E. L., 190
E. T., 518
F., 55
N. H., 372, 381
R., 426
T. S., 271
W. M., 532, 533
Ashton-Cross, D. I. C., 92
Ashwell, D. G., 544
Ashworth, G. H., 415
H. I., 1042, 1054
H. K., 324
M. A., 933
W., 271
W. D., 245
Asiri, F. M., 1439
Asirvatham, E., 1378
M., 1356
Askam, V., 297
Askari, S. H., 1403
Askew, G. P., 319
Aslam, K. M., 1483
Asolkar, G. V., 1369
Aspinall, A., 494
G. O., 596
Asprey, G. F., 1542
Asrar Ullah, 1479
Assadullah, S., 1329
Assam, Gov. of, 1316
Astbury, E. C., 784
J. P., 307
N. F., 1557
W. T., 161, 176
Asthana, B. C., 1234
H. S., 1338
K. B., 1221
K. C , 1417
R. P., 1368, 1378
Astle, E. W. B., 662, 664
Astley, Sir F., 1524
R., 29, 42
Aston, K., 1418
R. L , 1048
S. C., 84, 104
T. H., 446, 460
Astor, Hon. J. J., 339
Asundi, R. K., 1259
Aswatha Narayana Rao, M. R., 1445
Atarde, S H., 1373
Aterman, K., 29
Athar, M., 1383, 1390
Athavle, R B , 1322
Atherton, J. G , 1035
Athlone, Earl of, 207
Atiqullah, M., 1469
Atkin, A. O L , 129, 130
Atkins, H. J. B., 328
H. S., 1791, 1792
Sir J., 277
K. R., 924
L., 1134
Mrs. M , 278
R., 1026
R. B., 1102
S. H., 154
W. G., 293
Atkinson, B., 255
B. F. C., 96
C. T., 461
D. M., 37
F. S., 507
F. V., 1529
H. F., 1006, 1007
J., 154
J. B., 911
J. R., 622
Mrs. K. M. T., 658
M. B., 125
M. E., 245
M. R., 1024
N., 980
R. J. C., 596
T., 147
W. C., 624
W. E. D., 958
Atlee, H. B , 748
Atreya, B. L., 1258
Atrill, V. H., 883
Attavar, Mrs. S., 1305, 1307

Attendu, C. A., 831
Attree. V. H., 413
Attridge, E. A., 532
F. R., 728
J., 645
Attwood, H. T., 650
Mrs. I. J. D., 649
Attygalle, Mrs. D., 1455
Sir N., 1451
Atwood, C. E., 926
Au, K. H., 1514
Aubry, A., 250
C., 860
Aubut, F., 827
Auchmuty, J. J., 1028
Auckland, Mrs. J. M., 1656
N. L. D., 725
Auden, J., 58
Audet, J., 768
L. P., 761
P., 760
Rev. T. A., 833
Audholia, B. S., 1423
Audiau, Rev. F., 1365
Audus, L J., 244, 247, 248
Auer, J., 857
Auerbach, C., 601
Auger, C , 768
G., 769
J. C., 762
P E , 762
Aughterson, W V , 1001, 1011
Augustine, Rev. Bro., 415
Augustine Marie, Sr., 1470
Aujac, G. J., 285
Auld, F. H , 902
J. D., 510
W. H. R., 586
Auluck, F C., 1310
Aundhewadikar, R., 1386
Aurakzai, A. A. K., 1479
Austin, A. T., 162
D. G., 1525
F. M., 31
G. W., 87, 108
J. L., 448, 460
J. M , 1099
L. D C., 1456
M. C., 257
M. N., 1068, 1072
P. L., 693
R. G., 183, 188
V. V., 1142
W. E., 728
W. N., 121
Austmann, R., 807
Authikeshavalu, M., 1363
Auty, P., 240
R., 82, 85, 89, 106
Avadhani, T. V., 1246
Avard, N. T., 839
Avasare, M. D., 1324
Avasthi, A., 1373, 1375
H. K., 1338
Avens, A. R., 517
Avery, D. A., 401
Avis, W. S., 882
Avison, H. R. C., 792
Awal, M. A., 1470
Q. A., 1469
Awasthi, A., 1373
A. B. L., 1224
C. S., 1422
D. D., 1336
R. F., 1340
Axon, H. J., 401
Ayachit, V. G., 1374
Ayalwar, G. L., 1374
Ayappan Pillai, V. K., 1211, 1219
Ayer, A. J., 306, 313
Ayers, H. D., 939
Aylen, J. A., 858
Aylett, B. J., 581
S. O., 367
Ayling, E. E., 550
Aylmer, G. E., 458
Aylward, Rev. F. P., 886
Aynsley, Rev. E. E., 137
Ayre, T. P., 144
Ayscough, F. W., 1025
Ayyangar, K. A., 1333
S. S , 1350
T. T., 1352
V. G., 1352
Ayyar, A A., 1355
D. S., 1355
N. S., 1351
T. S. B., 1353
Azad, S. M Z. H., 1473
Azariah. H. S., 1242, 1243
Azeem, M. A., 1354
Azhar, A., 1471
Azim, S., 1479
V., 1481
Azimuddin, M., 1471
Aziz, A., 1465
Abdul, 1481
A., M.A , 1387
M. A., 1467
S. A , 1236
Azzam, M. A , 296

Baar, H., 42
Babbage, D. W., 86, 102
Babin, E., 761, 764
Babineau, L. M., 768
Babinski, W., 827
Babister, A. W., 625
Bacal, H. L., 787
Bach, M., 928
S. J., 62, 76, 313
Bachand, A., 824
Back, K. J. C., 1035
Backeberg, O. G., 1194
Backett, E. M., 663
Backhouse, J. R., 1024
T. C., 1051
Bacon, D. F., 1089
E., 730
E. E., 505
J. S. D., 507
R. G. R., 658
Bacsich, P., 617
Badami, S. K., 1388
Badcock, R. M., 574
W. J., 1548
Baddeley, G., 412
Baddiley, J., 137, 388
Badeaux, F., 831
Badenhorst, J. L., 1186
L. T., 1196
W. J., 1151
Badenhuizen, N. P., 1194
Badenoch, A. W., 350
Badger, G. A., 728
G. M., 151, 981, 991
Badgley, R. F., 913
Badian, E., 127
Badiuzzaman, 1466
Badkas, D. J., 1446
G. B., 1373, 1377
Badola, J. R., 1303
Badruddin, 1479
Baer, E. E. F. T , 931
Baeta, Rev. C. G., 1525
Bagali, M. S., 1331
Bagchi, P., 1439, 1440
R. N., 1222
Bagga, T. S., 1395
Baggott, D. I., 235
Bagguley, D. M. S., 449, 459
Bagi, B. B., 1332
Bagley, J. J , 199
Bagnall, A. W., 725
J. S., 746
L., 639
M., 1012
W. A., 928
Bagnani, G., 918
Bagshaw, R. M., 713
Bahadur, B., 1234
Sir Bhim S., 1258
Sir Bhupal S , 1411
Sir J. C. W., 1360
L., 1224
M. R. A., 1245
Sir S. M. S., 1411
S R., 1413
U., 1306
Y. K. S. J., 1328
Bahauddin, K. M., 1238
Bahl, S. L., 1394
Bai, B. A., 1351
Mrs. B. T., 1313
D. C., 1362
D. V. S., 1388
Mrs. M. B., 1351
Baichwal, Mrs. M. R., 1280
R. S., 1279
Baier, C., 154
K. E. M., 1004
Baig, M. H. A., 1389
M. S. A., 1389
M. V. A., 1388
Baigent, H. V., 1108
L. A., 1100
Baij, R., 1439
Baijal, A. N., 1229
V. D., 1303
Baildon, E., 507
Bailey, A. A., 904
A. G., 847, 848
A. P., 981
A. S., 440, 465
C. L., 1110
D. L., 917
D. R. S., 95, 99
H. W., B.S.A., 940
H. W., D.Phil., 95, 103

Bailey, J. G., 1071
K., 80, 107
K. V., 408
Mrs. N., 315
R. A., 395
S J., 92, 104
V. A., 1045
W. N., 246
Baillargeon, B., 831
N., 763
Baillie, D. C., 923
D. M., 644
Very Rev. J., 535, 597, 609, 612
W. H. T., 926
Baily, R. A. J., 68
Bain, A., 604
G. F., 925
G. O., 697
K. H., 61
Mrs. M. A., 785
M. I., 199
N. B., 626
R., 586
R. V. S., 1046
W. A., 165
Bainbridge, R., 89
Baines, G. H., 43
H., B.A , 177
Hazel, 1202
S., 39
Bains, D., 244
Bairathi, S. P., 1413
Baird, A., 491
A. M., 1068
A. R., 730
D., 587
D. C., 882
D. M., 822
E., 822
M. M., 725
P. D., 583
R., 624
W. C., 1114
Baird-Smith, J. H., 625
Baissus, J. M. P., 128
Baji, A. R., 1317
Bajpai, Sir G. S., 1321, 1331, 1405
M. K., 1422
P., 1423
S., 1344
S. N., 1226
Bajpeyi, N. D., 1422
Bake, A. A., 290, 296
Baker, A. F., 1528
A. J., 1045
A. L. L., 211, 256
A. W., 940
B. E., 791
C. G., 327, 328
C. H. L., 747
D. M., 345
D. W. A., 1076
E. P., 1041
H., 726
H. C., 192
H. de C., 409
H. F., 104
H. G., 1523
Baker, H. S., 690
H. W., 413
J., 1776
J. F., 91, 97
J. N L., 462
J. O , 696
J. R., 451
J. W., B.Sc., 545
J. W., Ph.D., 161
L. F., 309
M. C., 780, 782
M. L , 853
R., 718
R. E. D., 1548
R. G., 40
R. W , 1063, 1065
S. C., 1028
S. J. K., 1535
W., 58
W. B., 907
W. P., 177
Baker-Bates, E. T., 186, 195, 196
Bakewell, W , 63
Bakhru, H. J., 1308
Bakhsh, E., 1482
Q. N., 1493
S , 1483
Bakhtiari, Q. H. K., 1476
Bakker, E. M. von Z., 1151
Bakr, A., 1481
Bal, C., 1258
G. S., 1282
S. D , 1370
Bala, S. S. D., 1228
Balachandra, J., 1447
Balaguer, Rev. M. M., 1283
Balakrishna, R., 1348
Balakrishna Rao, K., 1245
Balakrishnan, O. K., 1349
Y., 1333
Balam, Rev. L. M., 1351
Balankura, K., 78
Balashov, V., 161
Balasingham, T., 1514
Balasubrahmanyam, R., 1356
Balasubrahmanyan, T. S., 1254
Balasubramanian, M , 1252
Balasubramanyan, D., 1253
Balasundaram, V., 1255
Balbir, J. K., 1225
Balch, C. C., 496
D. A., 492
Balchin, W. G. V., 551, 573
Baldamus, W., 30
Balderston, W., 958
Baldick, R. A. E., 444, 466, 469
Baldner, R. W., 718
Baldock, G. R., 190
Baldry, H. C., 517
Baldua, P. L., 1423
Baldwin, A. H., 1052
E. H. F., 300, 310
G. D., 640
K. D. S., 1530
L., 183
L. C. M., 917
R. G., 691
Baldwin, R. R., 153
W., 142
Baldwinson, A. N., 1042
Balendra, W., 1454, 1456
Balf, C. L , 608
Balfern, K. M., 233
Balfour, J. A., 728
J. E. H., 567
W. C., 545
W. E., 95
Balharrie, J. W., 780
Bali, H. C., 1397
Baliah, V., 1252, 1256
Baliga, B. R., 1357
M. N., 1304
S. P., 1453
Balinsky, B., 1197
Balint, E., 234
P., 1026
Balke, W. M , 695
Balkrishnan, C., 1377
Ball, C. G., 941
E. T. M., 510
G. E., 691
J., 409
J. N., 533
K. L., 937
L., 416
L. E., 207
M., 347
Sir N. G., 263
S., 853
T., 574
W. M., 1005
Ballabh, R., 1338
Ballal, D. K., 1368
Ballantine, J. R., 645
Ballantyne, J. C., 635
J. H., 941
Ballard, C. F., 370
Ballem, R. W. M., 747
Ballhatchet, K. A., 293
Ballinger, R. B., 1195
Balme, D. M., xxxi, 1523
Balmer, J., 177
Balmond, H. J., 1451, 1662
Baloch, N. B., 1493
Balogh, D. G., 59
T., 442, 450, 458
Balsdon, J. P. V. D., 445, 461, 463
Balse, M. L., 1282
Balsillie, A. A., 1140
Balson, E. W., 517
Balthazard, I. G., 920
Bamabaradeniya, K., 1455
Bambah, R. P., 105, 1393
Bamber, G. W., 195
Bamborough, J. B., 443, 469
Bambridge, E. B., 945
Bambrough, J. R., 105
Bamford, C. B., 147
Banbury, G. H., 127
P. C., 495
Bancroft, D., 722
M. F., 683
Bancroft-Livingston, G., 663
Band, D., 605, 608
Bandey, A. H., 1479
Bandy, N., 1005

Banerjea, A. C., 1339
Banerjee, A. C., Ph.D., 1294
A. C., M.A., 1296
A. C., M.Sc., 1436
B., 1260
D. K., 1445
D. N., 1292
H. K., 1295
I., 1291
J. N., 1291
K. P., 1470
M., 1293
N. R., 1222
P., 1292
P. N., D.Litt., 1290, 1295
P. N., M.A., 1434
R. N. 1376
S. K., 1291
V. V., 1310
W. C., 1224
Banerji, A. C., F.R.A.S., xxx, 1240
A. C., Luck., 1339
A. C., M.Sc., 1243
A. K., 1317
B. N., 1274, 1277
D. P., 1228
K., 1241
P. C., 1234
R., 519
S. C., 1223
S. N., 1421
Banfill, S. M., 775
Banister, R. J., 440, 472
Rev. W. F., 883
Bankier, J. D., 800
Banks, A. L., 92, 100
E. K. C., 308
J. A., 192
M. R., 1063
T. E., 350
Bannan, E. F., 1786
M. W., 917
Bannerjee, G. C., 1285
S. P., 1312
Bannerji, E. H., 1393
Bannister, F. K., 32
J. L., 544
Bannon, J. D., 1045
Rev. R. V., 889
Bansal, B. L., 1392
Banting, E. A., 791
Bantock, G. H., 568
Banumiah, B. V., 1365
Bapat, B. V., 1406
M. V., 1368
R. N., 1374
Baptist, B. A., 1451
N. G., 1456
Baqi, A. Q. K., 1388
Baqir, M., 1480
Baquer, A. K. M., 1467
Baquer Husain, M., 1381
Bara, K. C., 1316
Baracos, A., 808
Baragwanath, L. E., 462, 471
Barai, D. P., 1434
Baranowski, D., 647
Barback, R. H., 1076
Barbados, Bishop of, 122
Barbashoff, V. I., 723
Barbeau, G. L., 833
M., D. ès L., 761
M., L. ès L., 761
Barber, Mrs. A. E., 938, 941
C. C., 583
C. L., 807
H. H., 427
H. N., 1062
M., 358
T. P., 424
W. H., 538
Barbier, C. P., 620
J. L. A., 422
Barbour, J. R., 980, 985
K. M., 1556
R. F., 62, 67
R. G. H., 1024
Barbu, Z., 623
Barclay, G. A., 161, 1024
J. A., 37
L. R. C., 839
M. L., 720
Rev. R. A., 167
R. B., 394
R. S., 629
T. B., 922
Rev. W., 619
Barcroft, H., 359, 1518
Bard, S. M., 1505
Barden, R. G., 982
Bardhan, J. C., 1291
Bardsley, H., 1028
Bardwell, J. A. E., 903
Bárer, R., 438
Barford, N. C., 258
P. T., 199
Bargir, D. A., 1322
Bargrave-Weaver, D., 127, 130
Bari, A., 1386
S. J., 1237
Baril, H., 838
R., 759
Barkas, W. W., 412
Barke, D. J., 1024
Barker, A. E., 919
A. N., M.Sc., 168
Audrey N., 605
C. A. V., 942
C. C., 153
C. C. H., 539
C. S., 786
D., 159, 189
D., D.Phil., 1503, 1506
D. Y., 810
F. C., 993
G. R., M.A., 31
G. R., Ph.D., 396
J., 80
J. A., 570
J. F., 505
J. R., 70
J. R., Ph.D., 281
K. H., 258
L., 174
Mrs. M. B., 1512, 1515
M. G., 90
R. J. K., 928
S. A., 30
Barker, W. A., 104
W. F., 1177, 1180
W. G., 939
Barkhan, P., 1202
Barkla, H. M., 647
Barkley, S. Y., 581
Barley, A. S., 801
M. W., 430
Barling, E. V., 1052
T. J., 563
Barlingay, S. S., 1389
Barlow, A. C. H., 265, 267
D., M.A., 444, 461
D., Mus.B., 140
D. A., 760
F., 563
H. B., 88, 102
H. E. M., 303, 313
T. E., 144
Barltrop, J. A., 440, 459, 491
Barmby, J. E., 156
Barna, P. S., 1027
Barnabas, T., 1406
Barnard, A. J., 1145
A. P., 1186
C. C., 385
C. N., 1135
E. J., 69
G. A., 257
G. L., 235
J. A., 302
P. J. J., 1169
T., 304
W. G., 358, 359
Barnardt, J. H., 1185
Barnbrook, D. H., 753
Barnes, Mrs. A. M., 443, 474
C., M.S., 722
C., Ph.D., 824
C. A., 723
C. G., 370
E. S., 119, 1044
E. W., 55
F. A., 426
F. R., 1121
Mrs. G., 347
G. L., 28
H., 92
H. G., 444, 470
J., 346
J. A., 270
R., M.A., 570
R., M.B., 628
R. J., 1001
T. W., 1027
V., 285
V. C., 411
W. H. F., 129
Barnetson, J., 1169
Barnett, A. J. G., 586
C. H., 358
F. J., 444, 468
H. B., 691
Mrs. J., 1506
N. M., 44
S. A., 624
Rev. T. A. M., 938
Barnicoat, C. R., 1118
Barnicot, N. A., 300
Barniville, H. L., 1782, 1788

Barns, J. W. B., 447
Barnum, D. A., 941
Barnwell, H. T., 515, 598
R., 494
Baroda, Maharaja of, 1264
Baron, D. N., 346
G., 234
Barpujari, B. K., 1305
Barr, A. M., 1092
J., 625
L. B., 147
M. L., 959
S. J., 196
W., 188
W. G., 446, 461
Barraclough, F. E., 1049
G., 190
Barragán, J. V., 281
Barran, P. A., 184
Barratt, A. J., 1179
C., 315
M. G., 464
N. M , 412
P. E. H., 1020
S , 1729
Barre, Rev. H., 1295
Barré, R., 825, 827
Barrell, R., 1092
Barrer, R. M., 255
Barrett, A. M., 93
Rev. C. K., 130
G. D., 746
H. S , 595
J. S , 604
L. R., 255
M. A., 1536
M. J., 984
N. R., 359
R. E., 950
W., 165
W. S., 441, 462
Barrett-Ayres, R., 584
Barrette, G., A.G., 759
G., B.A., 763
G., B.Arp., 762
Barrie, H. J., 932
Barrington, E. J. W., 428, 436
Barron, N. S., 495
Rev. S., 1793
V. M., 1095
W. R. J., 582
Barrot, S., 139
Barrow, G. W. S., 305
H., 194
R. F., 441, 461
Barrowclough, C. B., 1091
Barrowman, J. R., 167
Barry, G. M., 346
J. M., 451
R. G., 1793
R. J. W., 664
V., 53
Barss, A. F., 720
A. H., 734
Barstow, C., 174
Sir G., 550
Bartaria, C., 1226
Bartariya, S. C., 1224
Bartelink, D. L., 961
Bartels, J., 949
Barter, R. A., 983
Bartholomeusz, E. F., 1454
L. N., 1456
Bartindale, G. W. R., 412
Bartlett, A. G., 562
C. C., 639
C. H., 68
Sir F. C., 104
F. L., 873
M. S., 400
S., 496
Bartley, A. J., 138
B. G. D., 1549
E. O., 662
G. A., 573
J. O , 551
W. G., 1542
Barton, A. D., 1000
D., 936
D. E., 308
D. H. R., 249
F. J., 750
G. P., 1111
I. M., 574
J. B. A., 102
J. C., 1543
J. L., 265
M. F., 61
N., 729
R. A., 1119
T. H., 507
Bartram, A. W., 1530
Barua, B. C , 1317
B. K., 1316, 1319
H., M.A., 1318
H., M B., 1318
S. N., 1317
Baruah, H. K., 1316, 1319
Barve, G. V., 1321
P. M., 1285
Barwell, A. G , 1115
C. F., 335
E. M., 983
Barwell-Clarke, I. F., 560
Barwick, E. S., 63
Basannavar, R. M., 1331
Basden, R., 1028
Basenach, Rev. F., 1350
Basham, A. L., 293
Bashir, M., 1461, 1463, 1478
S. A., 1487
Bashiruddin, M., 1487
Basiston, M., 1434
Basit, A., 1310
Baskerville, D. R., 941
Baskett, R. G., 661
Basmajian, J. V., 930, 936
Basnayake, V., 1456
Bassam, B., 937, 945
Bassani, A. M., 250, 313
Bassett, D. A., 620
G. W., 1019
J., 711
R., 272
Bassindale, R., 62
Basson, A. H., 306
Bastable, Rev. J. D., 1783
Bastible, Rev. J. P., 1792, 1793
Bastin, J. A., 1529
Bastock, M., 474
Basu, A., 129
A. N., 1302, 1305, 1312, 1314
G. S., 1301
Mrs. J., 1402
J. R., 1318
N. K., M.Sc., 1259
N. K., Patna, 1402
S. K., 1290, 1291, 1298
U. P., 1301
Basur, R. L., 1328
Batchelor, G. B., 1135
G. K., 86, 108
I. R. C., 604
J. S., 328
Bate, A. E., 392
S. H., 34
W. J., 31
Bateman, G. H., 359
J V., 905
M., 570
S. B., 1053
T. P. G., 1050
Bates, D. R., 660
Mrs. E., 801
J. F , 404
Rev J. M., 1095
L. F., 424, 427, 436
Mrs. M., 801
R. J., 543
W. J , 62
Bateson, F. N. W , 443, 460, 461
Batey, C. E., 457
Bath, A. A., xxxiii
Batham, E. I., 1091
E. J., 1091
Batho, E. C., 284
Bathurst, R. G. C., 189
Batista i Roca, J. M., 89
Batley, L., 1502
W. A., 515
Batliwalla, K. C., 1284
Batson, E., 1134
Mrs. H. M., 1134
Batstone, A. E., 285
F. D., 234
H. L., 875
Batt, A., 177
H. T., 942
J. C., 1063
Mrs. O. D., 1092
R. D., 1089
Batta, B. D., 1396
Batten, E. H., 68
T. R., 234
Battersby, A. R., 58
G. B., 1099
O., 1001
Battle, B., 1045
C. E., 728
H., 959
R. J. V., 359
Batty, D. M. F., 606
J. S., 205
Baudouin, L., 783
Bauer, Rev. C. H., 889, 890
P. T., 82, 100

Baugniet, J., 1803
Baumbach, L., 1185
Baumert, M., 36
Bavinck, J. H., 1160
Bawden, F. C., 392
Bawn, C. E. H., 187
Bax, D , 1133
Bax-Botha, Mrs. M. A., 1133
Baxendale, J. H., 396
Baxendall, H., 177
Baxendine, W. P., 602
Baxter, A. M., 638
A. S , 119
B. N., 140
C., 840
E. F., 129
E. L., 718
E. W., 327
F. W., 659
H., 629
H. A., 789
J. H., 644, 653
J. P., xxx, 1024, 1025
J. S., M.A., 543
J S., B.A., 872, 919
Mrs. K. M. C , 96
R. M , 936
S G., 789
V. T., 64
W. D., 1130
W. T., 270
Bay, E., 380
Bayer, A. W., 1142, 1148
P., 1200, 1201
Bayford, V. E., 493
Baykov, A., 31
Bayles, J. W., 544
Bayley, C. C., 778
H. G., 1048
J. O., 465
P. C., 443, 468
Baylis, G. T. S., 1089
T. M., 1027
Bayliss, F. J., 456
L. E., 307
N. S., 1068
Bayne, M. M , 1000
P. M , 683
S , 647
Baynton, P. L., 507
Bazeley, N. F., 1025
Bazin, J., 833
Bazire, J., 189
Beach, D., 906
E. F., 776
Beacham, A., 530
Beachey, R. W., 1535
Beadle, L. C., 1534
N. C. W., 1019
Beaglehole, E., 1112
J. C., 1111
Beagrie, G. S., 602
Beahen, H. P., 864
Beairsto, A. W., 863
Beale, G. H., 601
J. I., 345
Beales, A. C. F., 264
F. W., 921
H. L., 271
S. J., 557
Bealey, F. W., 576
Beals, H. D., 683
Beamish, F. E., 917
R. E., 812
Bean, G., 790
H. S., 392
Bean, N., 1197
Beard, F. N., 925
W. J., 695
Beardmore, J. A., 502
Beare, F. H., 319, 984
Rev. F. W., 952
M., 315
W., 58
Bearman, Mrs. E. C., 235
Beasley, F. R., 1070, 1072
W. G., 208, 293
Beaton, J. R., 934
M., 157
Beattie, A. G., 590
A. J., 597
A. M , 737
C. P., 507
I. M., 848
I. R., 502
I. S., 608
J. H. M , 439
J. R., 505
J. W., 170
Mrs. M , 671
S. F., 913
W. J. H. M., 349
W. M., 198
Beatty, R. L., 738
S., 916
Beaty, W. J., 941
Beaubien, J., 788
Beauchamp, L. E., 697
Rev. M., 857, 866
Beauchesne, L. A., 859, 860
Beaudet, A., 859
H., 769
J., 764
R., 770
Beaudoin, R., B.S.F., 759
Rachel, 836
Beaudry, Canon E., 762, 763
E. M. D., 769
J. R., 825
M., 767
Beaufoy, L. A., 391
Beaujour, M., 645
Beaulieu, E., 767
E., LL.D., 824
H. A., 763
M. L., 760, 765
R., 827
Beaulne, R., 834
Beaumont, C. F. A., 882
E., 519
F. H., 1071
H., 770
J. N., 1773
M., 540
M. B. de M., 285
Beaupré, A., 763
B., 826
L., 862
Beausoleil, Rev. J., 833
Beaver, S. H., 575
Beaverbrook, Lord, 847
Beazley, H. G., 899
Sir J. D., 439, 462
Becher, R. A., 96
Beck, D., 340
I. T., 911
J. C., 786
J. M., 882
K. M., 938
L. J., 448
Mae, 749
Marjorie, 722, 730
R. E., 725
R. J., 645
W., 1136
W. H., 137
Becker, B. J. P., 1199
C., 1198
P , 624
Becket, E. M., 436
Beckett, A. H., 391
J. C., 659
K. M., 720
L. D., 183
Hon. R. E., 160
W. H., 441
Beckingham, C. F., 400, 403
Beckingsale, B. W., 140
Beckinsale, R. P., 444, 461, 469, 470
Beckman, I. H., 813
P., 1024
Beckris, J. O , 514
Beckstead, J. L., 812
Beckwith, A. L. J , 981
C. J. W., 748, 749
J., 935
Becroft, P. B., 1108
Bedard, A., M.A., 761, 772
A., M.D., 770
G., 828
O., 863
R., 858
Bedawi, M. A., 1557
Beddie, B. D., 1077
Beddows, A. R., 533
Bedecki, T., 861
Bedford, D. E., 339
E., 600
T., 408
T. H. B., 409
Bedggood, L. R., 1108
Bedi, A. S., 1308
K. S., 1309
Bednarowska, Mrs. D. M., 443, 474
Bednarowski, W., 583
Bedrosian, G., 940
Bee, J. W., 497
Beech, F. W., 71
G. R., 187
Beecham, H. A., 426, 430
Beedham, G. E., 624
Beedkar, S., 1384
Beeley, E. W., 138
Beelik, A., 881
Beer, A., 79
R. J. S., 187
Beesley, M., 30
Beeston, A. W., 186

Beet, A. E., 507
E. H., 456
Beetz, J., 829
Beevers, C. A., 596
Beezhold, W. F., 1164
Beg, A. H., 1480
A. M., 1235
L., 1328
Mrs. R. A. A., 1480
Begam, R. J., 1341
Begg, A. C., 1094
C. M. M., 584
E. C., 406
H. M., 617
M. M., 1310, 1312
N. C., 1094
P. R., 984
R. W., 960
T. B., 587
Beggs, G. C., 638
Bégin, B. G., 832
E., 762
P., 758, 759
R., 763
Begrie, I. C., 277
Beguin, A., 772
Begum A., 1388
J. B., 1389
M., 1388
M. J., 1388
P., 1388
Q., 1388
R., 1388
Saeeda, 1482
Salamathunnisa, 1388
Shahinshah, 1388
T., 1388
Zahurunnisa, 1388
Zeenathunnisa, 1389
Behari, B., 1224
B. R., 1229
R., 1302, 1308, 1312
Behera, P., 1435
S., 1435
Behere, S. N., 1375
Behn, Prof., 151
Behr, A. L., 1195
Behrend, F. A., 1003
H., 30
Behrens, C. B. A., 85, 109
R. H., 1187
Behrman, S., 370
Behrmann, H. I., 1145
Beier, H. U., 1530
Beighton, E., 161
Beinart, B., 1132
Béique, L., 832
Belair, Rev. M. J., 899
Bélair, R., 827
Béland, R., 762
Belanger, 760
Bélanger, D., 833
E., 764
G., L.Th., 765
G., M.D., 831
Rev. J. M., 861, 865, 867
L. F., 859
M., 769
Rev. M , 857 865, 866, 867
Bélanger, P., 866
P. B., 864
Y., 830
Belcher, J., 941
M., 907
R., 29, 55
Belcourt, E., 834
Belfield, E. M. G , 520
W., 1525
Belfond, J. A., 911
Belge, M. W., 1370
Belisario, J. C., 1049
Bélise, M., 831
Bell, A., 1094
A A., 649
A. C. H., 366, 371
A. D. C., 325
C. A., 1108
D., 587
D. A., 32
D. K., 715
D. M., 696
E. A , 266
F. E., 117
F. R., 288
G. D. H., 106
G. H., 647, 652, 653
G I., 696
G. M., 413
H., 422, 1136
H. B., 639
H. E., Ox., 446, 465
H. E., Sheff., 510
H. P., 750
H. R., 717
I. C., 550
J., D.Sc., 618
Julia, 303
J. A., 1200
J. A. M., 395
J. G. Y., 332
J. M., 905
J. W., 176
Mrs. K. M. W., 144
L. G., 806, 812
L. H., 273
N. D. S., 640
P. G., 404
P. R., 301
Q. C. S., 139
R. E., 689, 697
R. P., 441, 458
W. B., 140
W. O., 118
Bellairs, A. d'A., 119, 355
Bellamy, A., 430
C. V., 177
E. H., 623
J. M., 154
R., 162
Bellan, R. C., 808
Bellefeuille, R., 763
Bellemare, B., 767, 768
E. E., 825
Rev. R., 865
Bellerby, J. R., 451
Bellinger, P. F., 1543
Bellis, D. M., 409
Bellmaine, S. P., 1050
Bellord, J. E. M., 1535
Bellot, H. H., 304, 1800
Belmore, H. W., 521
Beloff, M., 445, 475
Belper, Lord, 424
Belsare, S. S., 1323
Belschner, H. G., 1046
Belsey, R. H. R., 67
Belshaw, C., 716
H., 1110
J. P., 1019
Belton, E. J., 1537
J. W., 162
Belyea, E. S. W., 722
Belz, M. H., 1005
Benawari, N. P., 1225
Benazeer, H., 1388
Bencosme, S., 875
Bendel, L., 183
Bendell, J. F. S., 870
Bendre, N. S., 1265
Benedikz, E., 308
Benfey, B. G., 788
Benfield, J. G., 1137
Bengeri, R. H., 1280
Benham, P., 251
Benjafield, D. G., 1049
Benjamin, B., 787
B. S., 1077
Benn, E. C., 170
Mrs. J. M., 523
M. B., 1070
S. I., 518
T. V., 164
Bennathan, E., 31
Bennet, C. L., 743, 744
E A., 1775
J. A., 645
Bennet-Clark, T. A., 159, 263
Bennett, A. M., 1197
E. A., 370
E K., 99
E. W., 175
G. V., 265
H., 918, 954
H. A., 935
H. S., 99, 535
Mrs. J., 83, 109, 573
J. A. W., 443, 464
J. H., 100
J. R., 64
L. G., 492
M. R., 814
R., 568
R. F., 85, 102
S. H., 71
W. J., 812
Bennett-Jones, M. J., 198
Bennetton, N. A., 1107
Bennetts, R. C., 785
Benney, D. J., 1100
E. A. S., 233
Bennison, G. M., 583
H., 404
Bennitt, Rev. A. J., 148
Benoit, G., 763
F., 1241
R., 832
R., L.Ph., 759, 764
Benoît, E., 828
Bensette, P. J., 707

Bensley, E. H., 785
Mrs. S. H., 930
Benson, E. J., 883
E. S., 395
F., 33
F. A., 507
G. K , 497
L. E., 1051
R. S., 194
Rev. T. E., 71
T. G., 293
W. N., 1047
Benson-Evans, K., 543
Bent, A. D., 913
Bentel, H., 1197
Bentham, R. W., 1063
Bentley, A , 494
C. F., 694
F. H., 151
G. E., 573
Mrs. H. S., 692
J. A., Canada, 903
Joyce A., 395
L. E., 244
W., 774
Bentwich, N., 183
Benwell, K. V., 1071
Benzie, R. J., 1036
Beohar, P. C., 1377
Beresford, H. B., 1032
M. W., 162
Beresford-Howe, C., 777
Beresford-Jones, W. P., 288
Berg, R., 999
R. T., 694
Berg-Sonne, N., 1196
Bergel, F., 306, 369
Berger, M., 813
Bergeron, G., 765
G. A., 761, 769
L., 832
M., 763
M. M., 759
R., 826
Rev. R., 838
Bergey, J. E., 940
Bergman, O., 982
Bergold, G. H., 949
Bergouinoux, Fr., 772
Bergstrom, A. R., 1106
Berkeley, C. J. A., 391
Berkowitz, N., 699
Berlin, I., 450, 457, 465, 475
Berlinguet, L., 767
Berlyne, D. E., 585
Berman, R., 469
S., 1132
W., 744, 747
Bermingham, K., 519
Bernadine, Mrs., 1356
Bernal, J. D., 251
M. J. M., 266
Bernard, L., 832
Sr. M., 920
R., 759
R. M., 587, 593
Bernardelli, Mrs. B. M., 1092
H., 1090
Bernat, E. P., 507
Berndt, H. A., 533
Bernhardt, K. S., 925
Bernier, G. H., 762
J., L. ès L., 762, 763
J., M.D., 831
J. P., 765
Bernstein, B. T., 1200
R. E., 1196
Berridge, F. R., 92
N. J., 496
Berrie, A. M. M., 618
G. K., 1528
Berrill, K. E , 82, 104
N. J., 780
Berry, A. E., 927, 934
D., 308
D. C , 76
D. W., 588
E. G., 807
F., 503, 514
H., 297
H. M., 69
J., 292
J. C., 714
Most Rev. J. G., 899
J. N., 1376
L. G., 872
N. E., 876
T. B., 1197
W. A. C., 44
W. E F., 1011
Berthiaume, C. A., 831
Bertie, S. C., 125
Bertram, D. S., 384
G. C. I., 105, 116
J. M., 1111
Bertrand, A., 830
C., 832
D., 760
Bérubé, Rev. C., 833
L , 758
Beruh, S., 301
Besicovitch, A. S., 86, 107
Besley, L., 734
Besselaar, H. J., 1169
Besseling, J. L. N., 1134
Best, B., 812
C. H., 931, 933
Rev E., 665
E. M., 1321
G. F. A., 108
J. V., 523
R. J., 986
R. V., 800
Bestall, J. M., 510, 515
Beston, J. B., 1019
Beswick, F. B., 402
T. S. L., 93
W. F., 546
Bethell, L. S., 1062
S. L., 545
Bethune, C. M., 747
G. W., 750
L. D. S., 883
Betjeman, J., 156
Bett, F. L., 1008
I. M., 586
K. E., 255
Bettelheim, F. R., 102
Bettenson, E. M., 121
Betteridge, H. T., 621
Bettinger, H. F., 1010
Bettison, D. G., 1179
Bettley, F. R., 339
Betts, A. O., 95
J. A., 493
R. R., 240
Beukes, G. J., 1151
J. C., 1186, 1189
Bevan, A. R., 744
C. W. L., 1528, 1531
E. A., 440
H. K., 155
R. T., 556
T., 413
T. H., 552
Beveridge, J. M. R., 874
W. I. B., 95, 100
Beverley, J. K A., 507
Beves, D. H., 84, 101
Bevin, H. J., 1524
Bevington, J. C., 29
Bews, D W., 871
Bexon, D., 424
Bexton, W. H., 779
Bey, G., 1238
Beyers, M. S. M., 1186
Beynon, E. G., 74
M. T., 76
V. H., 59
W. J. G., 542, 552
Beznak, A. B. L., 55, 864
Mrs. M., 864
Bezzant, Rev. J. S , 82, 105
Bhaduri, S., 1295
Bhagat, Mrs. T. H., 1267
Bhagavantam, S., 1381
Bhagavantan, S., xxxi
Bhagoji, T. K., 1332
Bhagwat, N. K., 1283
W. V., 1226
Bhaiya, C. C., 1269
Bhakey, G. N., 1343
Bhaktavatsalam, N., 1351
Bhalerao, C. N., 1266
Bhalla, D. S., 1307
M. D., 1392
M. M., 1306
Bhan, G S , 1387
S., 1395
Bhandari, D. R., 1307, 1310
K. C., 1229
M. A., 1332
Bhanot, Mrs. I. V., 1267
S. D., 1311
V. B., 1236
Bhanu, D., 1228
Bhanumati, K., 1351
Bhanumatiamma, Mrs. K., 1351
Bhar, R., 1308
Bharadwaja, Y., 1258, 1259
Bhardwaj, O. P., 1393
Bhargab, R. D., 1434
Bhargava, B. L., 1305
B. M., 1384
D. N., 1227
H. R., 1421, 1423
H. S., 1227
K. P., 1342
K. S., 1228

Bhargava, P. N., 1227
R. S., M.Com., 1382
R. S., M.Sc., 1223
Bhartiya, Mrs. S., 1412
Bharucha, F. R., 1281
Bhaskar, T. D., 1360, 1364
W. W. S , 1333
Bhaskara Rao, A., 1247
Bhaskaran, K., 1381
R., 1349
Bhaskaran Nair, K , 1427, 1428
Bhaskarapanikkar, P., 1350
Bhat, B. K., 1383
G. K., 1322
J. V., 1447
M. N., 1406
U. U , 1283
V. R , 1332
Bhate, M. G , 1282
Bhatia, B. B., 1342
B. D , 1309
B. M , 1305
G C., 1392
K C , 1389
L. S , 1223
M. C., 1229
M. L., 1311
M. L., Luck , 1341
S. B., 1337
S. L., 1309
S. S., 1324
Bhatji, M., 1222
Bhatnagar, B. S., 1224
D. S , 1222
Mrs. H., 1340
K. P., 1226, 1230
K. S , 1227
M. S., 1302
M S., M A., 1224
O. P., 1241
P. L., 1308
R. R., 1422
S. K., 1305
S. P., 1341
Dr. S. S , 1214
S. S., D.Sc., 1304
S. S., M D., 1283
U. S., 1265
Bhatt, A. K. N., 1376
B. N., 1311
Mrs D., 1311
G. H., 1266, 1269
G. K., 1265
H. N , 1222
Mrs. I. N., 1307
K. K., 1267
L. I., 1272
L. J., 1266, 1269
M. C., 1264, 1270
N., 1273
N. M., 1267, 1270
Mrs. P. M., 1267
R. N., 1325
R. S., 1368
S , 1311
S. R., 1323
U. D., 1325
Bhattacharjee, S. C., 1237
Bhattacharya, A. C., 1228
Bhattacharya, A. K., 1221
A. K., Saugar, 1421, 1423
A. N., 1221
A T., 1337
B. N., 1227
C. C., 1440
G., 1403
H. K., 1396, 1398
K. K., 1241, 7242
K. N., 1305
M. K , 1304
N. C., 1277
P. B., 1308
R. L , 1371
R. N., 1436
S., 1422, 1440
S., D Litt., 1440
S. N., 1402
T. P , 1402
Bhattacharyya, A., M.A., 1306, 1312
A , Dacca, 1470
B , 1317
B. B., 1292
B. K., 1296, 1297
D , 1316
D. K., 1296
D. L , 1447
K C , 1316
M. M., 1291
P. C., 1318
S , 1317
S C., 1467
U , 1318
Bhattercheryye, R. P., 1293
Bhaudari, Justice A. N., 1398
Bhave, R. J., 1373
S S , 1266
V. M., 1283
Y. D., 1406
Bhawalkar, D. R , 1422
Mrs. V., 1423
Bhedesgaonkar, V. K., 1373
Bhelwa, P. W., 1369
Bhende, Y. M., 1321
Bhide, B. V., 1405, 1406
S. R., 1332
Bhidey, M. R., 1374
Bhimasenachar, J., 1247
Bhimeswara Rao, P., 1255
Bhimsen Rao, D. K., 1382
Bhogle, A. D., 1388
Bhole, M. D., 1387
Bhosle, G. P., 1405
Bhousle, S., 1226
Bhowmick, B., 1310
Bhuiya, M., 1470
Bhuiyan, A. S. M. N. H., 1466
Bhuskute, S., 1375
Bhutta, M. J., 1482
Bhuyan, A. M., 1466
H. C., 1318
Bi, Z., 1376
Bibas, H., 109
Bibbey, R. O., 939
Biberstein, O., 860
Bibile, S. W., 1456
Bick, I. R. C., 1062
Bickel, H., 41
Bickley, O. D., 447, 473
Bickley, W. G., 261
Bicknell, P., 79
Bida, C., 865
Biddle, C. A., 302
Bidwai, B. K., 372
Bie, W. F., 726
Bieda, K , 1106
Bielenstein, H., 1077
Bieler, L., 1786
Biéler, A., 870
Biely, J., 723, 724
Biermann, B. E., 1142
W. J., 807
Biermans, J. H., 773
Biesheuvel, H., 1145, 1148
Bigeleison, Dr., 151
Bigelow, R S , 792
W. G., 934
Biggart, J. H., 663, 667
Biggers, J. D , 1046
Biggs, B. G., 1105
D. A., 940
K. R McK., 342
Bignell, J. L , 1010
Bijwat, M. C., 1417
Bilby, B. A., 505
Bilgrami, H. H., 296
R. F., 1234
S. A. H., 1236
Bill, E. G. W., 460
Billett, H., 303
Billing, G. C , 1090, 1096
Billingham, R. E., 309
Billings, A. R., 63
R. M., 875
Bilodeau, C., 760, 761, 765
Bimlerahw, J. R., 1308
Binchy, D. A., 535
Bindoff, S. T., 280
Bindra, D., 779
Bindu Madhava Rao, B , 1255
Binet, F. E., 1005
L , 772
Bing, G , 242
Bingham, D. L. C., 876
M. E., 1062
Bingle, H. J. J., 1156, 1159
J. P., 1163
Binnie, A. M., 91, 107
Binning, B. C., 714
Binns, A. L., 154
Rev. J. B., 323
Binyon, D. E. F., 162
Biobaku, S. O., 1528
Bir, A., 1434
K , 1310
Birch, A., 1043
A. H., 399
A. J., 1042
B. G., 1500
B. M., 708
C., 291
C. L., 1309, 1313
F. L., 1003
J. W., 60
L. B., 510
L. C., 1046, 1053
Rev. P., 1783
T. A., 825
Bircumshaw, L. L. 29

Bird, Rev. C. H , 103
C. L., 174
G. C., 504, 510
Mrs. G. R., 286
H. G., 875
J. B., 777
J. H., 265
J. R., M.A., 928
J. R., M.Sc., 1004
T., 650
Birk, L. A., 940, 942
Birkbeck, G. H. M., 1032
Birkett, Rt. Hon. Sir N., 207, 226
N. Y., 624
Birkinshaw, J. H., 384
Birks, H. L., 362
Birlas, N. H. M., 1488
Birley, E., 127, 131
Birman, J., 1071
Birmingham, W. B., 1524
Birnbaum, S. A., 241, 292
Birney, A E., 717
Birnie, A., 597
Biron, F., 762
Birrell, J. A., 65
J. F., 607
J. H. W., 1010
Birt, A. R., 812
Bisaillon, G , 763
Bisbee, R. C., 193
Bisen, U. S., 1423
Bishop, A., 109
A. W., 256
E , 151, 562
Rev. E. F. F., 618
E. J., 942
G. P., 1145
G. R., 471
Rev. H., 178
I. B., 60
J., 983, 985
J. C., 42
J H., 597
P. M. F., 328, 370
P. O., 1045
R. E. D., 91, 103
R. L., 570
T. A. M., 85
T. G., 177
W. W., 45
Bishton, R. L., 66
Bismanis, J. E , 714
Bisschoff, A. A., 1156
Bisschop, J. H. R., 1171
Bissell, C. T., 919, 938
Bisset, G. B., 492
K. A., 38
Bissett, F. W. M , 745
Bisson, C., 832
L. A., 659
Bissonnette, A. L., 911
Hon. B., 829
Biswas, B.A., 1292
J. C., 1227
M. A., 1466
P. C., 1303
S. C., 1468
Bittner, C. J., 958
Bivar, A. D. H., 460
Bizard, Mlle , 33
Bjorck, F. G I., 1503
Bjorck, G., 313
Black, A N., 520, 521
C. S., 719
D., 537
D. A. K., 407
E., 812
E. C., 727
E. I., 510
E. L., 405
E. N., 647
G. A., 748, 750
G. P., 598
G. W., 173
H. D., 1043
J., 63
J. B., 593
J. D., 640
J. I. M., 145
J. M., 911
J. N., 986
J W., 630
K. O., 349
M., 644
M., M.A., 84, 107
Rev. M., 643
Mrs. M. E. G., 1526
M. H., 96
M. W , 1189
O. F., 1147
R., 812
R. D. C., 658
T., 196
T M , 582
W. G., 722
W. W , 426, 436
Blackall, E. A., 85, 99
Blackburn, Sir C. B., 1041
E. K., 509
F., 142
G., 328
J. H., 171
J. M., 874
K. B., 136
R. A , 982
W. H., 174
Blacker, C. P., 370
Blacket, R. B., 1050
Blackett, P. M. S., 258, 422, 1016, 1518
Blackie, A. R., 1092
Blackith, R E., 259
Blackledge, W , 177
Blackler, M. C. H., 644
Blackley, F. D , 692
Blacklock, J. W. S., 350
Blackman, Rev. E. C., 322
G. E., 451, 467, 485
M., 258
S., 342
Blackmore, H. S., 1102
R. C., 1115
R. V., 690
Blackstock, G. M. D., 692
Blackwell, Mrs. A. M., 264
D. E., 79
J. H., 959
Blackwood, B. M., 443
M., 999
Blackwood, W., 372
Bladen, V. W., 925
Blaess, M., 503
Blagburn, C. H., 492
Blaikley, J. B., 328, 371
Blaiklock, E. M., 1106
Blain, D. F., 1179
E., 831
J. A., 640
Blainey, J. D., 41
Blair, E. M. M., 663
G. W. S., 496
H. S., 664
I. D., 1115
J., 1202
J. A., 1524
Mrs. J. M., 141
M., 638
N. J , 728
P. H., 79, 99
R., 730
R. A., 410
Blais, Hon. A , 698
A., 768
A., M.D , 831
J., 828
M., 824
R., 830, 831
Blaisdell, J. L., 932
Blake, Mrs. A., 1003
A. P., 1026
H. E., 353
J. G., 142
J. W., xxxi, 574, 575
R. N. W., 450, 460
Blakeley, L., 620
Blakemore, C. G. H., 1051
F., 68
J. S., 723
Blakers, A. L., 1070
Blakey, D. H., 509
Blakley, R. L., 992
K. A., 1090
Blamey, J. W., 993
Blamire, A., 193
Blanchaer, M. C , 813
Blanchard, F., 895
J. E., 745
Y., 828
Blanche, I. M., 1019
Blanchet, Mgr. E , 772
Rev. J. M , 758
L. E., 764
R., 769
Blanchette, A., 861
Bland, A. J , 265
B. M., 44
D. S., 139, 147
J., 780, 794
Blandina, Sir M., 918
Blaney, J. H., 1525
Blank, F., 784
Blankenberg, B., 1135
Blanshard, B., 422, 670
Blaquiere, R. H , 690
Blaschko, H. K. F., 454
Blatt, J M., 990, 1045
Blatz, W. E., 925, 945
Blayden, H. E., 137
Blaylock, A., 985

Blaze, J. R , 1455
Bleakly, M. C., 1034
Bleaney, B , 449, 467
Mrs. B. I., 473
Bleeks, C. K., 812
Bleksley, A. E. H., 1196
Blench, T., 695
T. H , 407
Blesovsky, J., 1132
Blewett, J., 332
Blezard, J. A , 959
W. C., 640
Blight, D. P., 142
W. C., 907
Blignault, H., 1153, 1154
Blishen, B. R., 739
Bliss, A J., 1519
Blissett, W. F., 903
Block, M., 1152
V., 778
Blohmé, E., 154, 156
Blok, S. C., 1451
Blomfield, G. W., 508
Blondal, H., 813
Blondel, M., 60
Blood, D. C., 1046
Bloom, A , 911
H., 1106
Bloor, K , 411
Blount, W. P., 300
Blower, J G., 404
Bloxam, T. W., 620
Bloxham, J , 177
Bluck, R. S., 279
Bluh, O., 722
Blumenstein, J. H., 784
Blundell, R C. K , 545
Blunden, E. C., 1504
Blundon, W. J., 822
Blunt, A. F., 198, 224
Blyth, Rev. A. C., 105
F. G. H., 257
H. N., 358
W. A. L., 405
Boag, T. J., 788
Boardman, W , 1006
Boase, A. M., 620
T. S. R., 463
Boateng, E. A., 1524
Boatman, D. J., 1771
Boaz, G. D , 1349
T. G., 167
Boaze, A. J., 1536
Bobde, G. C., 1373
M. V., 1369
Bobra, S. T., 862
Bocca, E., 379
Bockmann, P., 75, 422
Bockris, J. O'M., 255, 261, 1194
Boddie, G. F., 608
Boden, G. W., 336
Bodian, M., 372
Bodkin, T., 1771
Bodnar, L. E., 881
Bodsworth, C., 194
Body, A. H., 415
Boehm, E. A., 1019
Boeschenstein, H., 921
Bofinger, Mrs. E., 1027
Bogdan, A., 171
Boggon, R. H., 359
Boggust, W. A., 1775
Bogle, A. G , 1106
G S., 1092
Bogoch, A., 725
Bogue, A. C , 963
Bohannan, P. J., 439
Bohartichuk, F , 857
Bohatirchuk, F. P , 739
Bohn, E. V., 717
Boileau, G. R., 699
I., 403
Bois, E., 759
Boissard, J M., 93
Boissinot, A., 769
Boisvert, M., 761
Boivin, A , 764
P. A., 858
Bok, L. D. C., 1151
Bokare, M. G., 1370
Bokhari, N. A., 1487
Bolam, R. M., 145
T. R., 596
Boland, E. R , 327, 328
Bolas, B. D., 259
Boldinghaus, W., 1132
Bolliger, A , 1051
Bolsover, G. H., 240
Bolté, P. E., 833
Bolton, A., 194
E., 345
F. G , 66
H. C., 141
J. D. P., 441, 467
R., 405
R. H., 44
Bolus, Mrs H., 1131
Bolwig, N., 1197
Bombardier, J. P., 832
Bombay, Gov. of, 1279
Bomford, G., 451
R. R , 335
Bomhwall, K. R , 1229
Bommannavar, S. S , 1332
Bonamy, S. E , 1027
Bond, A. G., 1010
G., 618
G. C., 162
G. G., 76
G. W., 444, 466
T E. T., 61
W. E. T., 991
W. H., 42
Bondade, S. B., 1362
Bondfield, M., 77
Bondi, H , 265
Bondy, Rev. L. J., 920
Bone, E M , 504, 510
Sir M., 205
Bonenfant, F., 764
J. C., 766
J. L., 768
Bonfield, J. P., 862, 864
S. J. A., 284
Bongers, J. C., 1052
Bongie, L. L., 718
Bonhoure, Rev. A., 1357
Boniface, Sr. M., 919
Bonin, W., 824, 830
Bonnell, B., 1350
Bonner, B., 957
L. P., 763
S. F., 188
T. G., 284
Bonnici, Most Rev. A., 1520
Most Rev. C., 1520
Bonnor, Mrs. J., 199
W. B., 190
Bonsall, F. F., 140
Bonser, Mrs. G. M., 171
Bonsma, F. N., 1166
Bonthuys, J. W. L., 1189
Bonwick, W. J., 1008
Boobyer, G. H., 137
Booker, C. G., 1203
H. S., 273
J. R., 851
Boomsma, M., 1048
Boon, T. H., 145
Boone, A. E., 848
Boorman, S. C., 579
Boorne, R. A., 840
Booth, A. D , 251, 514
A. H , 1525
H., 425
M. R., 718
N. H., 1544
Boothroyd, A. R., 256
E. R., 777
Bor, E., 532
Bora, J., 1317
U., 1339
Boratynski, K., 259
Borchardt, D. H., 1062
Borchhardt, H. A., 1027
Bordan, J., 913
Bordeleau, R., 837
Borden, C. E., 716, 719
Borg-Costanzi, E. J., 1520
Borgal, D. N , 751
Borgaonkar, D. M., 1229
Mrs. S., 1372
Borger, R., 402
Borgford, S. J., 808
Borgin, K. B., 1189
Borland, D. W., 1008
F. T., 987
Bornstein, E., 902
Borras, F. M., 624
Borrie, J. H., 1095, 1098
W. D., 993
Borrill, M., 533
Borthwick, W. B., 652
W. M., 630
Borwein, D., 646
Bos, C. G., 788
Bosa, G. M., 1536
Bosanquet, C. I. G., 121, 136
L. S., 306
Boscott, R. J., 29
Bose, A., 1234
Mrs. A., 1402
A. C., 1424
A. N., 1337
B. C., 1226
C., 1296
C. H., 1219
G. N., 1219
M., 1305

Bose, N., 1439
N. M., 1468
P. C., 1290
P. K., D.Phil., 1292
P. K., LL.B., 1293
Miss S., 1295
S. K., 1310
S. K., LL.B., 1386
S. K., M.A., 1402
S. K., M Sc., 1338
S. K., V.-B., 1440
S. N., 1290, 1291, 1298
Boshoff, S. P. E., xxx
W. F., 1151
Bosman, G., 1158
T., 1146
Bossanyi, J., 142
Bosson, G., 1026
Bostock, J., 1035
J. K., 444
Boston, R. E., 721
Boswell, H. R., 176
J. G., 502
Bosworth, E. M., 163
T. J., 288
Botha, A. S., 1168
D. J. J., 1166
G., 1153
J. P , 1166
P J., 1155
Bothma, C. V , 1165
Botma, J. P., 1153
Bott, E. A., 925
M. H P., 128
R. W., 568
Bottema, O., 183
Botterell, E. H., 929, 933
Botting, E. A., 883
Bottomley, E. K., 1011
G. A., 1090
J. E., 92
Bottomore, T. B., 273
Bouchard, J. J. L., 789
J. M., 765
P., 760
Boucher, C. T. G., 411
D. W., 876
H. H., 728
M., 763
P., 765
R , 830
Boudreau, C., 895
Rev R., 895
Boudreault, G., 769
Bouffard, Hon. P. H., 766
Boughey, A. S., 1523
Bouillon, J. C., 828
Boulanger, M., 758
R., 827
Boulay, J., 770
Bould, C., 71
Boulet, A., 760
L., 761
Boulind, H. F., 83
Boulton, J. T., 426
N. S., 506
Boultwood, M. E. A., 163
Bouman, J., 1537
Bourbeau, G., 759, 769
Bourbonnais, G., 826
Bourdillon, H. T., 1502
Bourgeois, G., 834
P., B.Sc.A., 895
P., M.D., 832
Bourget, M. A., 761
Bourget-Pailleront, R., 772
Bourgon, M., 825
Bourgouin, J. A., 814
Bourke, J., 1782
J. O. A., 1024
Bourne, C. B., 720
E. J., 29, 55
F. M., 151, 786
G., D.Phil., 335
G , F.R.C.P., 349
J. G., 358
N. C., 1530
Bourns, A. N., 800
H. K., 68
Bourque, G. A., 895
H., 863
J. P., 832
L., 758
Rev. P., 894
Bouthiller, L. P., 825
Bouthillier, L. P., 830
P. H., 695
Boutin, F., 763
J. R., 826
L N., 865
Bouziane, N., 830
Bovard, E. W., 926
Bow, M. R., 695
Bowbyes, A. M , 1091
Bowden, B. V., 411, 416
F. P , 81, 99
K., 162
K. F., 191
K. M., 1009
R. E M., 345
S. T., 543
Bowen, A. R , 427
D. J , 532
E. G., 531
E. J., 441, 468
E W., 1070
F. H., 1543
G. H., 31
H. C., 293
I. I., 153, 157
J. B., 530
J. E., 590
L. O., 1025
M., 69
N. A., 584
P. E. S., 1006
R., 494
R. N. C., 563
T. J., 161
V A., 1006
W. H., 1101
Bowen-Davies, A., 336
Bowen-Jones, H., 128, 131
Bower, E. W., 658, 666
J. C., 1004
Bowers, A. B., 199
F., 53
K. D., 460
P., 793
Rev. S., 862
Bowes, D. R., 551
H. A., 788
R. K., 359
W. H., 744
Bowett, D. W., 400
Bowey, A. E., 983
Bowie, D. C., 373
D. J., 806
E. S., 1100
F. J. T., 588
J. C., 44
J. H., 602
Bowker, W. F., 688, 692
Bowland, J. P., 694
Bowlen, Hon. J. J , 688
Bowler, D. G., 1119
Bowles, J. S., 1027
R. E., 411
Bowley, C. C., 509
M. E. A., 308
Bowman, A. I., 1528
B. C., 646, 652
F., 413
F. T., 1041
Rev. J., 166, 183
M., 819
R., 151
W., 586
W. C., 297
Bownas, G., 454
Bowness, J. M., 1513
Bowra, Sir C. M., 469, 651
Bowron, R H., 1100
Bowsher, D. R., 186
Bowstead, J. E., 694
Bowyer, Rev. G., 526, 539
L. R., 62
Box, H. K., 930
Boxall, E. A., 725
Boxer, A. H., 1001
C. R., 266, 296
Boyce, K. C., 725
N. E. M., 292
Boycott, B. B., 309
Boyd, A., 1201
Rev. A. J., 1351, 1358
A. M., M.B., 1526
A. M., M Sc., 410
A. V., 1195
C. A., 619
D. M., 620, 631
E. M., 875
G., 663
G. I., 160
G. L., 932
I. W., 935
J., B Litt., 444, 466
J., LL.B., 626
J., M.D , 663
J. D., 78, 97
J. M., 624
M., 670
Mrs. M. B., 1111
M. J., 658
R. A., 1019
R. L. F., 307
R. W., 725
S. A., 813
W. E., 662, 664
Boyd-Orr, Lord, 617

Boyd-Wilson, E. J., 1113
Boydell, Mother H., 1053
Boyden, H. J., 130
Boyens, H., 521
Boyers, J., 570
Boyes, J., 142, 143
J. W., 777
Boylan, Rt. Rev. Mgr. P., 1786
Boyland, E., 369
Boyle, C , 1783, 1792, 1794
Mrs. D., 889
Most Rev. J., 886
J. A., 401
Mrs. M , 1792
T. McM., 173
Boylen, J B., 568
Boyns, B. M., 1555
Boynton, O., 936
Boys, S. F., 81
Bozzoli, G. R., 1198
Braae, G. P., 1118
Brabander, J O. W., 786
Bracey, H. E , 59
Bracher, D. F., 36
W. J., 719
Brachi, D P , 154
Brack, W. G , 881
Bracken, J. R., 294
Brackenridge, C. W., 1059
Brackwell, C., 44
Bradbeer, E G., 64
Bradbrook, F W., 538
M. C., 83, 109
Bradburn, M., 285
Bradbury, J. L., 199
R. E , 300
Bradby, E. L , 69
Braddick, H. J J., 402
Bradfield, J. E D., 1538
J. R. G., 88, 107
Bradford, C. B , 1773
E. W., 648
J. K., 938
J. S P., 443
Sir T., 121
Bradlaw, R., 142, 143
Bradley, D., 1070
D. C., 249
D. R., 396
D. W , 165
Rev. F., 859, 860
G., 631, 634
J., M A., 154
J., M Sc., 1111
Jean, 1070
K., 402
K., N.Z., 1092
L. O., 950
P. B., 40
R. S., 161
S., 53
W , 174
Bradshaw, A., 539
A. R., 601
A. T. von S , 1528
D., 83
D. A. R., 881
D. B., 172
E., 412
Bradshaw, Mrs. J. M., 1529
R., 304
Brady, A., 925
C. L., 55
O. L., 301
T G., 1791
Bragato, P. B., 858
Bragg, Lady, 109
Sir W. L., 107
Brahmananda, P. R., 1280
Brahmo, C. P , 1225
Brahy, J , 831
Braid, F., 41
Braidwood, J , 659
Brailsford, F , 303
Brain, D L., 309
E B , 31
F. H., 327
H. E., 1309
P., 1136
R., B Sc , 1556
Sir R , 336, 370
R. T , 345, 370
Sir W. R., 151
Brainerd, B., 721
Braithwaite, B. R., 542
C., 138
F., 147
J L., 186
L., 1544
R. B., 87, 101
Brake, J , 44
Brambell, F. W. R , 539
Brameld, N. M , 436
Bramley, C. W., 168
Bramley-Moore, W., 696
Bramsted, E., 1044
Bramwell, J. C., 68
R D., 125
Branca, A., 720
Brand, Lord, 457
C. P., 86
J. C. D , 619
Brandon, H. E., 1033
J , 146
Rev. S G. F., 414, 439, 455
Brandreth, Mrs. H., 347
Brandt, G. W., 58
J., 84
P A., 1156
Brandtner, F., 790
Branford, W R. G., 1143
Branion, H. D., 940, 942
Brannen, E , 959
Bransden, B. H., 660
Bransom, S. H., 32
Bras, G., 1543
Brass, G. A., 690
Brassard, A., 759
F. J., 764
Bratherton, D. G., 410
Braude, E. A., 255
R., 496
Brault, Rev. F., 859, 861
J., 831
L., 860
Braun, H. E., 940
Braunholtz, G. E. K., 470
Brawn, E. S., 1204
Brawn, R. I., 792
V. M., 142
Bray, E. L., 941
H. G., 37
J. W., 258
P. T., 555
R., 514
R. O., 544
Braybon, J. E. H., 519
Braybrooke, E. K., 1111
Brayshaw, G. S., 175
H. C., 1204
Brearley, K., 718, 730
K. S., 999
M., 31, 44
Breatnach, R., 1792
Brebner, A., 582
C. C., 991
I. W., 583
J. B., 85
J H , 1800
N. G., 1530
Brecher, M., 776
Breckenridge, J. G., 927
Breckon, S. W., 822
Breckwoldt, G. H., 1196
Bredin, G. R. F., 466
Bredsdorff, E. L., 82
Breed, H. A., 236
J , 1155
Breen, H. J., 738
Breese, H. W., 339
M. H., 1549
Breitenberger, E., 1513
Breithaupt, Hon. L. O., 857
Brelvi, E , 1481
Bremer, J. K., 1169
Bremner, J. P., 425
Brendel, F. C., 282
Brennan, H. J., 406
J. G., 551
M. M., 158
S. B., 59
Brenner, O., 39
Brent, L., 309
Brereton, G. E., 285
J. L., 117
Breton, R , 760
Brett, G., 917
Mrs. K. B., 917
M., 1105
P., 1070
P. W., 1077
R. L., 154
Brett-Evans, D., 426
Brettle, H. J., 1026
Brewer, Mrs. A., 692
A. C., 198
A. W., 449
D. B., 42
D. S., 33
F. M., 440, 461, 471
H. F., 350
Brewin, B. I., 1092
J. M., 318, 319
Brewis, E. G., 144, 145
T. N., 737
Brews, R. A., 336
Brewster, B. L., 1004
E. W., 739

Breyer, B. Z., 1041
J. H., 1197
Brezik, Rev. V. B., 924
Brian, M. V., 635
Briant, M. A., 1307
P. C., 781, 911
Brice, W. C., 399
W. P., 443
Brickell, F., 519
Brickhill, R. J., 1053
Bricout, P., 761
Bridge, A. B. K. I., 1043, 1049
I. C., 639
P. S., 95
Bridgeman, Hon. G. J. O., 353
Bridger, K. R., 1028
Bridges, A., 466
J. W., 913, 914
Bridgewater, B., 519
Bridgwood, T. G., 175
Brieger, P. H., 917
Brien, F. S., 960
J. A., 826
Brierley, J. G., 784
Briffa, R., 1521
Brigden, W. W., 336
Briggs, A., B.Pharm., 297
A., M.A., 445, 470, 475
B. H., 88
C. A. E., 496
E. A., 1046
E. M., 70
E. R., 531
G. C , 507
G. E., 80, 104
G. W., 1010
G. W. D., 137
L. H., 1106
Mrs. R., 912
Bright, A. W., 256
Bright Singh, D., 1349
Brighton, A. G., 84, 115
Brigstocke, Canon G. E., 125, 131
Brill, E. V. K., 645
K. G., 1066
L. E., 941
Brimacombe, L., 911
Brindle, H., 409, 418
Brindley, G. S., 88
G. W., 183
J. C., 1786
M., 436
Brink, A., 1146
A. J., 1169
C., 1175
C. O., 81
C. S., 1162
C. v. d. M., 1163
G. C., 935
H. E., 1188, 1190
V. C., 714
W. C., 1187
Brinsden, G. J., 1069
Brinton, D. H., 356, 370, 380, 1098, 1518
Briscoe, P. A., 162
Brison, Prof , 151
Brisset, J., 858
Brisson, F. X., 767
G., 863
Britnell, G. E., 903, 905
Brito-Babapulle, L. A. P., 1453
Brittain, D., 267
E. G., 999
F., 86, 100
R. P., 170
W. H., 774, 775, 791, 792
Brittan, N. H., 1068
Britton, A. H., 1153
C., 273
F. R., 800
G. C., 245
H. T. S., 562
J. N., 234
K. W., 140
Brizard, L. P., 828
Broad, C. D., 106, 119
F. L , 1143
G. M., 1095
Broadbent, D , 1008, 1011
J. L , 1530
Broadhead, B. G., 1116
E , 167
Broadhurst, F. M., 399
M. F., 911
P. H., 175
Broadie, F., 600
Broady, M., 192
Broch, O A., 1479, 1480
Brochu, L , 762
Brock, H., 1027
J. F., 1135
L , 1092
L. G., 1098
M. G , 446, 460
Sir R. C., 328
W. G., 812
W. R., 85, 106
Brockbank, J. P., 83
W., 407
Brockett, A. A , 565
C. P., 927
Brockie, W. J., 1107
Brockington, C. F., 410
Rev. L. H., 454, 461
L. W., 870
Brocklehurst, R. J., 62
Brockless, G. F., 392
Brockman, E. P., 366
Brocks, A. W., 588
Brockway, E. M., 76
Broderick, T. S., 1771, 1773
Brodersen, G. L., 808
Brodeur, P., 832
Brodiansky, N., 240
Brodie, J., 649
M. B., 637
W., 617
Brody, H. P., 508
Brodziak, I. A., 1050
Broe, J. J., 1042
Broekhuysen, G. J., 1134
Brogan, D. W., 88, 103
Broido, A., 1202
Brokenshire, Mrs. N., 1092
Bromhall, J. D., 1506
Bromhead, P. A., 129
Bromley, A. A., 664
D. B., 192
J. F., 42
J. S., 446, 462
P. M., 400
Brommert, J. W., 1196
Bromwich, Mrs. R. S , 79
Bronstetter, W. E., 784
Brook, A. G., 918
F., 169
F. G , 220
G., 176
G. L , 183, 398
N., 175
Rev. V. J. K , 457
Brooke, B. N., 43
C. N. L., 85, 100
C. V , 724
K., 575
N. S., 128
Brooker, R. A., 396
Brookes, A. J., 90
A. M P , 91, 105
B. C., 303
E. H., 1144
R. H , 1112
Brookfield, H. C , 1144
R. W., 195, 196
Brookman, P. E , 177
Brooks, B. G., 1487
Sir D., 998
E , 189
E. F J., 931
F. W., 155
H. F., 250
J. H., 91, 96
J. L., 505
J. W., 871
K. G., 55
K. R., 518
P. C., 1031
W. D. W., 355
W. P., 44
Brooksbank, N. H., 429
Broom, J. C. W., 876
T., 35
Brooman, F. S., 59
Broome, A. E , 942
J. H., 575
Broomhead, R , 173
Brosnahan, L. F., 1528
Brossard, Hon. A., 829
Hon. R., 829
R., 826
Brosseau, R., 834
Brothers, R. N., 1107
Brotherston, J. H. F., 385
Brotherton, Mrs. A. C. T., 1489
Brothwell, J. F., 163
Brott, A., 790
Brough, J., D.Sc., 542, 546
J., M.A., 290
Brouillet, I., 834
Brouillette, B., 825, 828
Brow, G R., 784
Brown, A., 550
A., M.A., 303
A., M.B., 1530, 1531
A., Mel., 1003

Brown, A., M.D., 627
A., Ph.D., 53
Prof. A., 963
A. B., 452, 470
A. B., Sask., 904
Rev. A. E., 1301
A. F., 600
A. I. P., 335
A. J., 162, 435
A. L., 619
A. R., 1017
A. W., 582
A. W. A., 959
B. G., 165
B. R., 440, 465
C. A., 66
C. C., 291
C. Metcalfe, 410
Christine M., 619
C. R., 1025
D., 1108
D. A., 1090
D. G., 464
D. J., 992
D. M., 81, 102
D. McK., 720
E. A., 37
E. H., B.Sc., 256
E. H , M.Sc., 304
E. H. P., 271, 1315
E. J., 160
E. M , 393
F., B.Sc., 271
Frieda, 666
F. B., 1006
F. J., 404
F. R., 651
G., B Sc., 623
G., M.A., 621
G. B., 307
G. E., 35
G. F., 167
G. G., 916
G. L., 307
G. M., M.A., 552
G. M., M.D., 874
G. M. A., 555
G. S., 460
G. W., 921
H., M.B., 144
H., Mus.B., 840
H. H., 640
H. P., 993
I. E., 167
I. M., 1020
Rev. J., 894
J., B.A., 251
J., B.Sc., 638
J., M.A., Dub., 662
J., M.A., Edin., 256
J. B., 723
J. C., 165
J. E., 63
Rev. J. H., 1047
J. J. M., 605, 607
J. M., 637
J. M., M.A., 139
J. McC., 811
J. M. A., 136
J. R., 33
Brown, J. W., 508
K., 546
K. H., 792
K. M., 515
K. P., 606
K. S. M., 1050
L., 155
Mrs. L., 722
Mrs. Leila, 1528
L. J., L.D.S., 1197
L. J , M.A., 911
L. J. M., 246
L. M., 599
L. N., 504
M., 1511
M. A., 601
M. E., 266
M. H., 930, 934, 935
M. S., 1043
N., 781, 789
N. J. P., 822
N. M., 503
N. R., 848
O. T., 650
P. E., 605
P. P., 264
R., 183, 949
R. A., B.Sc., 1529
R. A., M.A., 1179
R. C., 307
R. D., 1000
R. F., 167
R. G., 43
R. G., M.A., 1503, 1507
R. H., 402
R. H. J., 90
R. J., 666
R. K., 689
R. S., 940, 942
S. R., 1108
T. A., 564
T. C., 932
T. H., 722
T. N. L., 415
U. M., 443, 472
V., 138, 148
V. A., 1105
W., 261
W., B.L., 583
W. C., 617
W. F., 1100
W. G , 935
Rev. W. G., 71
W. H., 931, 940
W. M., 663
W. O., 661
W. R. L., 590
Browne, A. D., 103
A. L., 31
B. C., 84, 107
D., 504, 511
G. S., 1001, 1013, 1017
I. C., 402
J., 1514
J. C. McC., 371
J. S. L., 784
M., 601
R. A., 537
R. C., 145
S. J., 444, 473
Browne, T. G., 1790
Browne-Wilkinson, V., 60
Brownell, C. D., 1063
E. G., 812
G. McL., 809
Browning, A., 621
I. R., 464
R., LL.B., 617, 632
R., M.A., 302, 435
T. O., 986, 991
Brownlee, B. K., 811, 815
G., 266
T., 1008
Brownlie, A. F., 177
G., 1099
Browsin, B., 760
Bruce, Visct., 992
C. E. H., 666
D. J., 495
F. E , 256
F. F., 502, 514
F. M , 639
G., 207
G. G., 586
I. M , 546
I. S., 169
J., 605, 608, 611
J. R., 198
L. G., 626
M., 510
R., 546
R. R., 941
W., 783
W. J. W., 205
Bruchési, J., 828
Bruck, R. H., 949
Bruckner, J. B., 1094
W. D., 1524
Bruckshaw, J. McG., 258
Bruford, W. H., 85, 105
Bruges, E. A., 625
Brumfit, J. H., 645
Brumwell, J., 147
Brundritt, E., 287
Bruneau, J., Laval, 769
J., Montreal, 832
P., 760
Brunel, J., 825
Brunet, E., 864
H., 859
J., 860
M., M.A., 859
M., Ph.D., 826
P. C. J., 467
Brunnschweiler, D., 414
Brunt, Sir D., 321
P. A., 445, 465
Brunton, C. E., 188, 192
J. A., 546
Bruser, M. B. E., 814
Brush, M. G., 90
Brussöw, A. V., 1152
Brust, J., 167
Bruwer, J. P. v. S., 1185
Bryan, H., 1036
P. W., 573
W. H., 1033
W. W., 1031
Bryan-Brown, A. N., 441, 469

Bryans, A. M., 875
F. E., 726
H. L., 937
Bryant, H. M., 473
L. R., 940
R. A. A., 1027
Bryce, A. G., 411
J. C., 620
M. W., 639
W. A., B.A., 937
W. A , D.Phil., 715
Bryden, R. J., 941
Bryner, C., 723
Bryson, A., 1024
J. N., 443, 458
Buch, C., 961
H. H., 1325
M. A., 1322
M. T., 1325
N. C., 1323
Buchan, A., 649
H. A., 620
M. I. R., 570
Buchanan, A S., 1000
C., 619
D. E., 1091
E , 1309
G. L., 619
G. S., 1024
J. B., 1525
K. M., 275, 1111
M. F. G., 171
R. H., 1025
R. O., 271, 1086
T. K., 649
W. E. A., 649
Buchanan-Riddell, A., 1558
Buchdahl, G., 1002
H. A., 1064
Buchowiccki, J., 1133
Buchthal, H., 68, 242
Buckatzsch, Mrs. W. B., 472
Buckingham, F., 398
F. M., 848
R. A., 307
Buckland, D. C., 714, 718
Buckle, D. F., 1017
Buckley, Mrs. C. A., 245
C. W , 181
E. M., 739
G. E., 958
H. E., 396
J. J. C., 385
K. A. H., 903
K. D., 1043
R., 1146
R., B.Sc., 570
R. M., 141
V. T., 1001
Buckthought, K., 924
Budd, R. T., 496
Budden, E. S., 495, 497
K. G., 88, 105
Budholia, K. K., 1373
Budiujjaman, K., 1434
Budtz-Olsen, O. E., 1133
Bueno de Mesquita, D. M., 446, 460
Buhl, A. W. K., 645
Builder, G., 1045
Buit, S. S., 1374
Bujila, Mrs. B., 904, 907
Bukhari, S. A. W., 1351
S. M. Q., 1329
Bulbring, E., 453
Buldeo, R. G., 1371
Buley, J. V., 1008
Bull, A. B., 1135
B. M., 544
F., 456
F. B., 981
G. M., 663
H. O., 141
J. P., 41
J. W. D., 353, 372
K. R., 154
M., 154
M. M., 78
Bullard, J. L., 457
Sir R., 486
Bulleid, A., 327
Bullen, G. J., 1524
K. E., 1004
P. S., 1144
Bulley, B. E., 899
Bullivant, R. F. T., 505
Bullock, A. L. C., 446, 471
D. H., 940
Sir E., 390
G., 412
K., 409
T. W. I., 89
Bullough, G., 264
W. S., 251
Bulman, O. M. B., 84, 106
P., 1782
R. S., 1115
Bulmer, D., 78
E., 39
Bu'Lock, J. D., 396
Bulstrode, P. C., 940
Bulteau, G. M., 834
Bunce, M., 634
Bundell, J. H., 1069
Buneman, O., 86
Buning, T., 1163, 1174
Bunje, H. W., 1543
Bunker, A. F., 995
G. A. S , 154
Bunn, D., 162
Bunney, H., 609
Bunt, E. A., 1198
H. J., 507
Buntine, W. M., 1017
Bunton, C. A., 301, 313
Buradkar, M. P., 1373, 1375
Burawoy, A., 412
Burbridge, P. W., 1108
Burbury, W. M., 172
Burch, C. R., 61
P. R. J., 170
Burcham, W. E., 36
Burchardt, F. A., 451, 664, 475, 486
Burchell, E. M., 1144, 1148, 1195, 1207
F. B., 1149
Burchfield, R. W., 460
Burchill, G. H., 853
Burchnall, H. H., 186
Burchnall, J. L., 128, 183
J. M., 117
Burden, D. H., 463
Burdon, I. M., 629
R. G., 1027
R. S., 983
Bureau, R., Laval, 762
R., Montreal, 834
Burfield, S. T., 193
Burfoot, J. C., 585
Burge, I. C., 1034
Burgen, A. S. V., 779
Burger, Mrs. C. H., 1002
J. F., 1131
Burges, N. A., 187
Burgess, A. H., 321
D. C. J., 662
J., 416
J. W., 608
M. A. S., 98
O. N., 1026
T. D., 939
Burgoyne, F. H., 813
J. H., 255
Burhop, E. H. S., 307
Burke, B. E., 715
D. T., 933
G. L., 728
H. E., 785
J. T., 1001, 1013
K. C., 1524
M. J., 1034
P., 863
P. H., 143
P. W., 939
W., 301
Burke-Gaffney, Rev. M. W., 899
Burkett, R. S., 1526
Burkhardt, G. N., 396, 415, 418
Burkholder, F., 840
Burkill, H., 504
J. C., 86, 103
Burkin, A. R., 258
Burkitt, A. N. St. G. H., 1041
D. P., 1536
M. C., 79
Burland, G. D., 657
Burleigh, Rev. J. H. S , 597
Burmeister, W., 220
Burn, A., 1063
A. R., 618
E. H., 460
J. H., 453, 458
J. L., 410
W. L., 139
Burnaby, Rev. H., 82, 99
Rev. J., 82, 106
T. P., 575
Burne, J. C., 409
P., 109
Burnet, Sir F. M., 1009
J. F., 102
J. R., 925
Burnett, D., 1178
F. G., 588
F. H., 1204
G. M., 29
J. H., 187

Burnett, J. T. A., 940
M., 154
W., 588
W. R., 639
Burns, A., 37
A. C., 428
B. D., 779
B. H., 353
C., 140
C. A., 426
C. L., 1005
C. L. C., 41
D. G., 163
D. M , 1525
D. W., 581
F. L , D.D.S., 781
Rev. F. L., 903, 905, 907
G., 1100
G C. J., 1101
J. C., 1111
J. H., 585
Joyce H., 810
J. W., 958
M. M., xxxi, 936, 1114
P. L., 664
R. H., 1034
T , 601
W., 325
Burq, M. S , 1488
Burr, J , 199
R. C., 876
Burrell, G. J , 1063
R. O., 814
Burrenchobay, R., 1553
Burreswara Rao, C , 1247
Burridge, K. O. L., 1515
Burrill, L. C., 123, 140, 151
Burrough, J. E., 1537
Burroughs, G. E. R., 32, 44
L. F., 71
Burrow, H., 288
M. D., 778
T., 454, 458
Burrows, A. I., 205
B., 570
B. B. B , 36
E. M., 187
H. J., 350, 371, 381
H. R., 1143
L., 1131
L. R., 1070
P. M., 847
R., 76, 608
R. G., 442
W. R., 156
Bursill, A. E., 587
Burslem, R. W., 408
Burstall, A. F., 138
Burston, W. H., 235
W. R., 194
Burt, D. R. R., 648
F. T. P., 1070
H. A., 363
Burton, A., 1101
A. C., 960
A. J., 1145
C. M., 1106
E. A., 1107
D., 175
H., B.Eng., 496
Burton, H., D.Sc., 277
H., M.A., 562
Herbert, xxxi, 1076
I. F., 246
J. C. G., 70, 76
J. R., 1026
K., 515
K. M. P., 109
Mrs. P., 562
P. R , 44
R. C. C., 1110
R. W. B., 441, 465
W. K., 623
Burton-Page, J., 290
Burtt, E. T., 141
J. K., 1099
Bury, J. P. T., 85, 98
R. J , 689
Busbridge, I. W., 447, 473
Busby, O. M., 550
Busch, L. V., 939
Buse, Rev. I., 538
Rev. S. I., 526
Buseman, H., 1288
Bush, G., 220
L., 987
S. F., 1145
Bushell, W. C., 782
Bushnell, G H., 643
G. H S , 115
Busia, K. A , 1525
Bussell, A. C., 1020
Bussière, E , 765
Bussieres, J., 828
Bussières, J. M., 764
Busteed, J., 1791, 1794
Buston, H. W , 255
Busuttil, E., 1519
Busvine, J. R., 384
Butani, N B., 1283
Butchart, J. D., 1052
Butcher, E. E., 60
K. L., 174
W. S , 1028
Butland, G. J., 34
Butler, A. A., 789
A. J., 645
C. C., 258
C. D., 565
C. G., 393
E. B., 518, 556
E. C., 336
F. G., 1178
G. C., 930
G F., 1027
H., 349
H. D. E., 475
J. A. V., 369
J. B., 168
J. B., M.B., 1787
J. E., 456
J. R. M., 106
L., 926
L. H., 446, 457
Sir M. S. D., 119
O. I., 506
P. F., 545
P. M., 404
R., 413
R. D'O., 457
Butler, R. D. W., 41
R. M., 870
R. W., 92
S T., 993, 1045
W. B., 1772
Butlin, N. G., 993
S. J., 1022, 1043, 1054
Butt, A. G., 1464
D. K., 251
J. E., B.Litt., 123, 138, 151
J. E., F.R.I C.S , 1130
M. I., 1480
V. S., 439, 440
Butter, P. H., 598
Butterfield, H., 86, 103, 1789
H. C., 57
Mrs. J. R., 920
Mrs. M , 156
Butters, A. A. H., 132
P. P., 436
R. G., 721
Butterworth, J., 415
J. B., 452, 465, 475
Buttle, D , 395
G. A. H., 297
Buttman, R., 609
Button, L. G., 564, 565
Butzer, P. L., 778
Buxton, A., 193
C. R., 413
E. J. M., 443, 465
E. W., 691
G , 860
J. C., 429
P. A., 384
Buyers, J. A., 623
Byard, H., 61
Byers, A. R., 904, 906
D. N., 784
G. L., 939
Byett, J. D., 58, 71
Byrd, K. F., 781
Byrde, R. J. W., 71
Byrne, J., 57
J. J., 1772, 1774, 1777
P. J. S., 699
Byrom, J., 404
Bywater, S., 858
T. L., 167, 593
Bywaters, E. G. L., 370

Cabana, J. E., 832
Cabañas, P., 428
Cabinetmaker, P. H., 1281
Cabral, A. L. C. de O., 450
Cachia, P. J. E., 596
Caddy, R. S., 1025
Cade, R., 1543
Sir S., 367, 963
Cadham, F. T., 819
R. G., 813
Cadieux, J., 894, 896
Cadman, E. F. B., 205
W. H., 455
Cadoux, T. J., 599
Caesar, A. A. L., 84, 103
Caffrey, M., 1787
Caffyn, J. E., 129
Cahill, A. J. L., 309

Cahill, M. K., 497
Cahn, Mrs. A. J , 999
R. W., 35
Cailloux, M., 825
R., 831
Cain, A. J., 451
B. N., 683, 685
R. F., 917
T. H., 625
Caine, Sir S., xxxi, 1501, 1511
Cair, S. H., 70
Caird, G. B., 782
S. N., 624
Cairncross, A. K., 624
Cairns, A , 696
A. D., 688
D., 581
G. E., 692
J. C., 922
J. F., 1000
L. Y., 692
M. B., 576
R C., 1025
T., 1194
Caiserman, Mrs. R., 913
Caldecote, Visct., 101
Calder, E. A., 1534
J., 697
J. W., 1114
M. G., 395, 399
W. M., 444, 467, 468
Calderbank, P. H., 927
Caldere, R., 1455
Calderwood, N. I., 35
Caldicott, C. R., 500
Caldin, E. F., 162
Caldwell, A. F., 435, 1512
Rev. C. M., 1797
G. W., 745
H. W., 939
I. W., 588
J., 562
J. B., 63
J. W. G., 725
M., 691
M. C., 164
P. C., 301
S., 469
Caleb, I. D., 1240
Calhaem, N. L., 1101
Callaghan, Rev. J., 1792
Callam, W. D. A., 606
Callan, E. M., 1179
H. G., 648
N. R., 280
Callard, K. B., 776
M. P., 564, 565
Callaway, F., 1069
Callen, E. O., 792
Callender, A., 640
M. H., 76
Calma, A., 190
I., 192
Calov, W. L., 1050
Calverley, B. C., 30
Calvert, E. L., 661
F. I., 128, 132
J. M., 205
N. G., 194
Cam, H. M., 109
Cama, H. R., 1445
Camagni, P., 174
Cambridge, G. W., 166
Cameron, A., 581
Dr. A. E., 151
A. E., xxxii, 853, 854
A. F., 781
A. H., 509
B. D., 1076
C., 650
C. R., D.Sc., 590
C. R., M.S.A., 942
D., M.B., 605
D., M.Sc., 699, 700
D. A., 1047, 1051
D. D., 907
D. E., 788
D. G , 781, 785
E., 355
E. C., 1012
E. L., M.Eng., 853
Elizabeth L., 189
E. R., 625
G. C , 929
G. M , 1090, 1098
G. R , 362, 363, 364
H , 684
H. F , 814
H M., 650
J. A. P., 1515
J. C., 873
J. D. S., 606
J M., 165
J. R., 606
K., Ph D., 426
K., M.B , 370
L. M., 1469
M., 904
M. D., 637
P. E., 1092
R. B., 690
R. J., 1078
R. R. G., 664
S. S., 1107
T. W. M., 780, 792, 863
V., 774
W. J., 494
W. M., 724
Camille-de-Jésus, Sr., 836
Camilleri, A., 1519
Camm, G. L., 400
W. C., 34
Campagna, E., 758
Campbell, A., 442, 458
A. B., 748
A. C. P., 409
A. D., M.A., 623
A D., M.Sc., 1090, 1098
A. H., 457, 602
A. M. G., 64
A. N., 807
C., 422
C. A., 621, 651
C. G., 725
D., B.A., 156
Sir D., 587, 591
Rev. D., 889
D. A., 58
D. D., 700
D. J., 510
Campbell, D. M. Y., 62
D. R., 939
D. W., 1008
E. M , 385
E. M. J., 250
E. O., 1118
F. W., 88, 635
G., 716
G. G., 1142
G. R. D., 902
H. H., 610
H. M., 876, 883
I. D., 1111, 1113
I. E., 494
I. G. M , 517
I. L., 1118
I. M., 544
J., 630
J., L.D.S., 626
J., Ph.D., 933
J. A. H., 1136
J. D , M.Com , 688
J. D , M Sc , 1100
J. D , Ph.D., 699
J. D. E., 442
J. G., 1004
J. G. C., 640
J. I., 1031
J. J., 1788
J. J. R , 716, 724
J. M. H., 327
J. S., B.D.Sc., 1006
J. S., B.Sc., 863
J. S., B W.I., 1548
J. S., M.Sc., 872
J. T., 1111, 1113
Rev. J. V., 889
K. A., 727
K. I., 1010
K. O., 1041
K. S. W., 1020
Mrs. M., 199
M. G., 1118
M. H., 812
M. J. A., 1006
M. O'N., 1525
N., 596
N. E. R., 809
P. W , 399
R., 137
R. B., 853
R. H., 76, 585
R. M., 626
R. S. F., 630
S. G., 96
S. M., 930
T. D., 984
W. A., 874
W. G., 651
W. J., 1090
Campbell-Allen, D., 1048
Campbell-Brown, K., 1033, 1036
Campbell-Smith, C., 1076
Campbell-Young, G. C., 1536
Campleman, G., 321
Campling, C. H. R., 881
Camps, F. E., 335
W. A., 81, 102
Canada, Gov.-Gen. of, 774

Canart, P. L J C., 1002
Candib, A., 912
Candy, H. A., 1143
Canfield, N., 379
Canham, P. S. A., 1145
Cann, R. J., 328
Cannat, N. C., 1020
Cannell, D. E , 931
Canning, E., 259
Cannon, D. G. H., 415
H. G., 404
P. J., 1792
Canny, A. J , 1035
Cano, J., 922
Cant, M., 234, 390, 391
R. B., 456
R. G., 646
W. H. P., 41
Canterbury, Archbp. of, 318, 755
Cantin, M., 760
S., 761, 764
Cantle, G. S., 413
Cantor, M. M., 697
Cantrell, G. L., 66
Cantwell, Rev. W. J , 1053
Caomhanach, S., 1792
Caouette, R., 769
Capell, A., 1042
Capelle, P., 721
Capewell, J. G., 304
Capildeo, R., 306
Caplan, H., 788
Caple, H. E., 726
Capon, N. B., 195
R. S., 983
Cappadocia, E., 882
Cappell, D. F., 628
Capper, P. L., 302, 1559
W. M., 67
Capps, F. C. W., 350
Capron, Canon R. S., 1306
Caraffi, A. J., 249
Card, B. Y., 691
W. I., 603, 607
Cardell, B. S., 332
J. D., 371
Carderera, A , 826
Cardin, J. R., 828
Cardinal, C. H., 809
J. G., 829
Cardno, J. A., 1064
Cardwell, D., xxxii, 412
Careless, J. M. S., 922
Carew, S. J., 821, 822
Carey, E. J., 981
H. M., 1107
M. B., 177
S. W., 1063
T. M., 1792
W., 1140
Carignan, P., 829
Cariou, H., 538
Carleton, Mrs. A. B., 438, 452
Carlile, F., 1045
Carlill, E. L., 406
Carlisle, A., 582
C. H., 251
Carlsen, I. M., 723
Carlson, A. J., 808
Carlton, H. J., 646
M., 255
Carlyle, A , 68
Carman, J. S., 1356
Carmelita, Sr. M., 1357
Carmichael, A. F., 626
A. J., 1026
J. E., 695
R., M.A., 822
R., M.B., 171
Carnahan, J. A , 1118
Carnall, G. D., 659
Carne, H. R., 1046
Carnegie, J., 619
W., 33
Carnell, F. G., 441
Carney, Rev. Fr. G., 1535, 1537
T. F , 1110
Carnochan, J., 293
Caro, D. E., 1004
Caröe, F. T. K., 96
Caron, Rev. A., 857, 864, 867
Rev. D., 858
G., 858
I., 759
M., 829
S., 768
Rev. V., 865
W., 767, 769
Carpenter, C. J., 256
D. L., 546
Rev. E. F., 316
E. H., 492
E. M., 142
E. S., 916
G. D. H., 491
Rev. H. J., 462
H. M , 935, 945
J., 263
J. A., 939
O., 1526
P., 442
Rev. S. C., 564
W., 940, 942
Carr, A. J. H., 533
A. R. M., 446, 465
B. M. H., 139
C. T., 645
D. J , 999
E. H , 1140, 1175
H., 715, 722
J. L., B.A., 620
J. L., B.Sc., 495
J. S., 1008
Mrs. K. M., 169
W., 504
W. D., 632
Carr-Saunders, Sir A. M., 270, 1501, 1518
Carrad, D. B., 1111
Carré, M. H., 61
Carrick, E., 147
J., Durham, 131
J., Malaya, 1511
Carrier, L., 763
L. J., 700
L. M., 860
N. H., 271
Carrière, Rev. G., 865
Carrington, Rt. Hon. Lord, 321
A. G., 1543
Carritt, E. F., 469
M. J., 456
Carroll, A. J., 1027
J., 1787
J. J., 728
K. K., 960
M. A., 493
Carrothers, A. W. R , 715, 720, 753
C C., 959
Carruthers, C. H., 776
J. D., 626
J. P., 220
T. G., 174
Carson, A. S., 162
G D., 698
H , 910
H. E. W., 1775
J., 508
O. A., 873
Carstairs, A. M., 646
Carsten, F. L., 315
Carstens, J. J., 1135
Carstensen, B., 159
Carswell, J. McA., 1027
W. E., 928
Cartaino, C., 707
Cartan, H., 75, 253
Carter, A. C., 493
Mrs A. M. C., 271
A. O., 138
A. V. H., 1130
B. A. R., 300
C. F., 658, 667
C. L., 1089
C. O , 174
C. W., 439, 466
D J., 257
G. R., 941
G. S., 89, 98
G. W , 175
H , 531
J , 398
M. N., 724
M. V., 987
P. B., 452, 469, 990
P. T., 639
P. W., 530
T E., 1101
W. B., 873
Carthy, J. D., 281
Cartier, G. E., 832
P , 825
Cartledge, D. H., 404, 405
Cartmell, E., 517
Cartwright, F. F., 331
M. L , 86, 108
N. J., 39
P. M., 319
R., 1001
W. J., 1099
Caruana, V., 1519, 1521
Caruana Curran, M., 1519
Carus-Wilson, E. M., 271
Carver, J. H., 993
Cary, M., 245
Casaubon, L., 824

Case, I. M., 618
Casely, E., 983
Casey, E. W., 1010
Rev. R. P., 106
Casgrain, G., 831
J., 828
Cashman, J., 145
Caspersz, U. D. R., 1452
Cass, F. H., 174
Rev. F. L., 886
J. E., 235
R. C., 574
Cass-Beggs, D. N., 551
Cassell, A. C , 256
Casselman, H., 858, 860, 861
Cassels, J. M., 191
J. W. S., 86, 107
Cassidy, A. B., 1774
M. L., 945
Cassie, W. F., 138
Cassirer, H. W., 622
Casson, L. F., 1132
Castaner, S., 183
Castell, C. H., 744
Castelow, J., 146
Castillejo, L., 307
Castle, E. B., 154, 156, 158
I. M., 192
M. E., 193
Castlehow, S , 1032
Castleton, J., 1194
Castonquay, C., 758
Caswell, J. H., 1529
J. S., 551
Catcheside, D. G., 986
Catchpole, J. R., 174
Cater, D. B., 119
Cates, J. E., 64
Cathcart, J. P. S., 864
Catherine de Suède, Sr , 838
Cathie, I. A. B., 372
Cato, G. C., 1145, 1147
R. J., 1069
Caton, E. E., 183
Cattanéo, J. L., 1178
Catterall, R C. F., 332
Cattley, R. E. D , 847
Catto, G. A., 611
Catton, W. T., 146
Caudwell, M. M., 1091
Caughey, J. E., 1094, 1098
Cauna, N., 144
Caux, M , 768
Cavanagh, C. M., 840
Mrs. F , 406
Cave, A. J. E., 349
Mrs. G. A., 706
H. M., 873
K. G. D , 415
L. M. H., 1112
R. M., 1526
Cave-Browne-Cave, F. E., 109
Cavell, E. A., 517
Caven, B. M., 249
Cavenagh, Mrs. W. E., 37
Cavers, D. L., 1132
J. R., 940, 942
S. D., 903
Cavill, G. W. K., 1024
Cawkwell, G. L., 445, 468
Cawley, A. C., 163
A. J., 942
G. M , 256
Cawthorne, T., 332, 372
Cayouette, M., 764
Cayton, H. R , 66
Ceadel, E. B., 94
Cecil, Lord David, 435, 442, 465
Centlivres, Justice A. v. d. S., 1130
Cereti, C., 1803
Černý, J., 454, 467
Ceylon, Gov.-Gen of, 1451
Min. of Education, 1451
Chabot, C. A., 882
J , 860
Chackett, K. F., 36
Chacko, C. J , 1310
K. C., 1429
L., 1356
M J , 1303
V. M , 1226
Chadda, T , 1387
Chaddha, N. K., 1223
S., 1227
Chadha, G L., 1306
S. R., 1284
Chadwick, C , 189
C. R., 890
G. A , 121
Rev. H., 82, 104
Sir J., 99
J , 81
Mrs M., 140
Mrs. N., 79
Rev. W. O., 82, 108
Chagas, M. C., 1803
Chagnon, G., 862
M., 859, 861, 864
Chagula, W. K., 1535
Chaisson, Mrs. J. D., 936
Chakarvarti, M. G., 1222
Chakko, K. C., 1237, 1238
Chakrabarti, A. C., 1296
M. C., 1281
Chakraborty, K. N., 1470
Chakradeo, A. C., 1375
Chakravarthy, R. S., 1351
Chakravarti, C. H , 1368
D., 1290
D. N., 1369
K. C., 1325
N., 1440
S. P., 1423
Chakravarty, G., 1274, 1275
N., 1307
Mrs. N., 1303, 1310
P. C., 1307
S. N., 1342
Chakravorty, A. M., 1470
N. C., 1468
P., 1471
S. C., 1440
Chalam, V. V., 1255
Chaliha, P. D., 1318
Chalk, D. W., 136
H. H. O., 619
J. H., 246
J. T., 256
Chalk, L., 443, 469
Chalke, F. C. R., 864
H. G., 1294
Chalklin, K. M., 127, 132
Challen, S. B., 297
Challenger, F., 183
J. H., 64
S., 61
Challies, Justice G. S., 784
Challinor, J., 531
M., 71
S. W., 35
Challis, J. H. T., 335
Chalmers, B., 950
J., 143
J. A., 129, 130, 573
J. C., 1008
J. N. M., 353
R. A., 128, 131
T. A., 191
W. R., 425
Chaloner, W. H., 397, 400
Chamard, Rev. M., 894, 895
Mary, 907
Chamberlain, D., 173
E N., 195
G H. N., 183
K. E., 941
N. H., 176
R , 661
Chamberlin, Mrs. D., 737
Chambers, E. G , 89
F. P., 272
G., 316
H. L., 728
J. D., 426
J. W., 628
L. G., 539
R. J., 1043
W., 588
W. W., 621
Chamda, K. C., 1281
Champagne, A., 825
C., 827
Rev. J., 865
Rev. J. E., 860, 867
Champeaux, M., 772
Champernowne, D. G., 435, 450, 475
Champigneul, Y., 780
Champion, A , 430, 433
E. C., 1100
F. C., 266
H. G., 443, 467, 485
Rev. L. G., 71
R. A., 1045
Champoux, R., 832
Champtaloup, A. Y., 373
Chan, C. H., 1505
Mrs. S. T., 1503
T. S., 1515
Y. W., 1505
Chana, N. A., 1493
Chanana, Mrs. V., 1310
Chance, A., 1775
M. R. A., 42, 54
Chand, G., 1395, 1397
M., 1394
P., 1308, 1310

Chand, R., 1392
S., M.A., 1304
S., Osmania, 1381
S. D., 1309
T., M A., 1418
Tara, 1345
W , 1308
Chandaman, C. D , 621
Chandapillai, A., 1340
Chandarvakar, P. P., 1322
Chandavarkar, Sir V. N., 1286, 1445
Chander, K , 1312
V., 1395
Chandi, P. T , 1224
Chandiramani, A. B., 1219
Chandler, C. M., 235
F. W., 415
H. W., 911
S. B., 583
T J., 250
V , 683
Chandola, S. P., 1308
Chandra, B., 1307
D., 1338
H., 1307, 1312
I., 1421
Indra, 1311
K., 1304
M., 1339
N., 1337
N., LL.B., 1226
P., LL.B., 1225
P., M A., 1337
R., M B., 1241
R., B Sc., 1303
R , LL.B., 1338
S., 1235
S., M A., 1338
T., M A., 1226
T., M S., 1343
Chandrasekaran, 1252
N , 1355
Chandrasekhar, S., 949
Chandrasekharan, K P , 1356
K. R., 1382
K. S., 1349
Chandratre, P. D , 1324
Chandratreya, G. L , 1407
Chandurkar, V U., 1370
Chandy, M., 1311
P. J., 1374
Chaney, J. A., 1006
Chang, A. S., 1504
H., 714
H. C., 94
Mrs. K. A., 1513
K. S. F., 1513
S., 1505
Chanmugam, J., 1451, 1458
P. K., 1454
Channa, M. A., 1493
Channabasaviah, K., 1362, 1364
Chanserkar, M. A., 1370
Chant, R. E., 808
S. N. F., 713, 722
Chapallaz, M., 306
Chapekar, G. N., 1374
L. N., 1281
Chapman, A., 510
A. W., 501
B., 399
Mrs. C. B., 959
C. D , 165
D., 192
E. N , 1094
F. W , 266
G., 183, 281
G. L , 519
H. R., 496
J. D., 719
K. R., 570
N. B., 517
O. W., 1093, 1094
P. J., 76
R , 271
R H., 991
R. M., 1107
R. McD., 994
S , 491, 1518
T. E. D., 1455
T. G., 520
V., 1020
V. J., 1106
W. G., 450, 467
Chappel, F. P., 166
Chappell, F R., 1063
Chaput, Rev. R., 862, 864, 865
Y., 830
Charan, A., 1343
R., 1259
Charbonneau, G., 826
H., 831
J , 832
J H , 826
Abbé R , 826
Chard, F. de la C , 63
S J H , 544
Charde, S. G., 1370
Charest, G , 826
Chari, K. V , 1383
P. S., 1267
R. V., 1388
T. S., 1351
Chariar, V. R., 1403
Charlebois, Rev. E , 866
Charles, A. H., B.Sc., 533
A. H , M.B., 353
A. O. T., 161, 170
E., 39
Mrs E., 1514
E. J., 32
Mrs. H S., 1355
Charleson, C., 651
Charlesworth, E. H., 807
H. A. K., 645
Judge J., 141
J. S., 699
Charlton, D. G., 154
H. B., 398, 415
J. M. T., 574, 576
K., 575
T. M., 91
W. J., 728
Charlu, T. G. K., 1417
Charman, J. H., 750
Charnley, J., 411
Charpentier, A. A., 620
J. L., 829
Charron, E., 824, 828
Y., 833
Chartier, R., 765
Charvet, P. E., 84, 98
Chase, E., 491
F. E., 939
Rt. Rev. G. A., 106
Chassé, Y., 765
Chater, E. H., 530
Chaterjee, S. C., 1301
Chatgidakis, C. B., 1199
Chattaway, F. W , 160
Chatterjee, A. N , 1292
A. R., 1371
Mrs. B., 1306
B P., 1372
D. C., 1293
G. N., 1292
L. D., 1308
L. M., 1403
N. C., 1225
N. C., M.A., 1439
N. N., 1291
S., 1439
S C , 1374
S K., 1298
S. P., 1291, 1298
Chatterji, A., 1306
A. C., 1336, 1344
C , 1342
C. D., 1338
C. M., 1242, 1243
E S. K., 1320
G. C., xxxi, 1411
G G., 1340
K. C., 1225
N. C., 1341, 1345
N. L , 1338
Mrs. R., 1446
S. C., 1401
S K., 1446
T. K., 1372
Chatterton, J., 429
Chattopadhay, K. P., 1290
Chattopadhya, K., 1241
Chaturnedi, B. N., 1337
Chaturvedi, B. M., 1224
B. N., 1382
C. R., M.A , 1222, 1230
G. S , 1260
I. R., 1341
K. K., 1412
P. D., 1228
R. P., 1341
S. P., 1375
V., 1343
Chaubal, V. B., 1373
Chaube, A. R., 1373
K. P., 1370
S L., 1311
Chaudhari, K. R., 1266
N. K., 1222
Chaudhary, H. S., 1228
N. N., 1265
P. K , 1277
S. D., 1311
Chaudhry, B. S., 1227
K. P., 1227
K. P., B.D.S., 1341
S. S., 1223

Chaudhuri, A. K., 1296
D., 1297
N. R., 1305
Mrs. S., 1295
S. C., 1295
T. C., 1297
Chaudhury, A. M., 1468
A. M. F. A., 1468
S. Z., 1470
Chaugule, B. A., 1332
Chauhan, C. S., 1421
Chaundy, T. W., 447, 459
Chaurasia, B. D., 1228
Chaussé, F., 828
Chavan, A. R., 1264
R. R., 1267
Chauvin, R., 826
Chavy, P., 745
S. J. M. L., 745
Chawdhry, Mrs. S., 1311
Chawla, G. S., 649
S. L., 1304
S. S., 1306
T. N., 1341
T. P. S., 1308
Checkland, E. O. A., 205
S. G., 85, 205
Chee, P. H., 1518
Cheek, B. M , 994
Cheeseman, E. A , 663
G. W. H., 277
Cheesman, D. F., 246, 248
Mrs. E., 277
G. H., 493
R. L., 257
Cheetham, G., 32
W. R., 36
Cheke, V. E., 493
Chellam, Mrs. J., 1354
Chelvanayagam, V., 1453
Chelvarajah, T., 1455
Chen, K. T., 1504
L. K , 1504
S., 1503
Chéné, H., 761
Cheney, C. R., 399, 456
Cheng, B , 305
H., 1506
J. C., 1504
K. S., 1515
M. K., 1506
R., 1505
T. K., 94
Chenhall, F. N., 1049
Chennakesavan, B., 1349
Chenoy, F. N., 1388
Cherian, A. J., 1430
Cherna, J. C., 783
Cherniak, L., 812
R. M., 813
Chernick, S., 1000
Cherry, D. R., 904
E. C., 256, 261
R. O., 1004
T. M., 1003
Cherwell, Lord, 448, 459, 469
Chesler, B., 1203
Chesney, C., 1771
Chester, C. E., 520
D. N., 435, 474
Chester, W., 61
Chesterman, C. C., 340
D. R., 233, 389
Chesters, C. G. C., 424, 436
Chettiar, Sir M. A. M., 1252
P. A., 1351
Chevrette, J. E., 758
Chevrier, D., 806
Chew, C., 178
H. M., 280
Cheyne, A. C , 635
Chhabra, R. K., 1312
Chiasson, C., 895
E., 895
L. P., 889
T., 895
Chiat, B., 1134
Chibber, H. L., 1259
Chibnall, A. C., 97
Mrs. M. M., 109
Chick, O. A., 63
Chicoine, R., 827
Chidambaran, T. V., 1281
Chidambaranatha Chettiar, A., 1254
Chiel, A. A., 819
Chien, C. L., 1504
W. R., 184
Chiesman, W. E., 352
Chikhalikar, A. N., 1389
Chikkanaih, P. S., 1332
Child, E. M., 1071
J. P., 147
P. A , 919
Childe, A. E., 813
V. G., 228
Childs, C. B., 600
E. C., 91
W. H. J , 610
Chilton, C. W., 153
E., 132
J., 640
Chilver, A. H., 91
G. E. F., 445, 466
Chilwell, M. F , 1107
Chinan, B. A., 1507
Chinchalkar, S. W., 1375
V. S., 1377
Chinchore, P. N , 1440
Chinnappa, J. C. V., 1454
Chinner, J. H., 1001
M. E., 984
Chinnery, J. D., 291
Chinoy, J. J., 1303
Chintamani, K. N., 1254
Chiplonkar, G. W., 1422
M. W., 1405
V. T., 1325
Chipman, R. A., 782
Chiranjivi, D. T., 1355
Chirgwin, B. H., 281
Chirnside, I. M., 1092, 1098
J., 414
Chisholm, A. F., 744
A. R., 1001
D., 618
D. S., 413
E., 1133
J. A., 582, 589
Rev. J. C., 889
Chisholm, J. I., 749
J. S. R., 545
M. V. J., 205
Chislett, M. E., 495
Chisnell, R. F., 398, 401
Chitale, H. D., 1417
R. P., 1369
S. G., 1282
S. V., 1226
Chitaley, Mrs. S. D., 1369
Chithambaraswamy, J., 1246
Chitnis, M. B., 1389
R. M., 1372
Chittick, R., 790, 794
Chitty, D. H., 451
K., 68
L , 256
Chiu, B. T., 1503, 1506
Chloros, A. G., 531
Choa, G., 1505
Choate, R. E., 936
Chockiah, Rev. A. M. S., 1352
Chohan, J. G., 1324
Choinière, L., 759
Chokhavatia, R. H., 1323
Chokshi, K. N., 1324
M. M., 1264
R. D., 1285
Cholette, A., 761
J. P , 832
Cholkar, V. B., 1265
Cholmeley, J. A., 371
Cholnoky, B. J , 1163
Chong, F., 1044
Choo, J. E., 1514
Chopde, S. R , 1368
Chopra, B. N., 1395
Mrs. N., 1303
R. P., 1306
R. S., 1392
Choquette, F., 766
L., 792
Chorghade, V. K., 1370, 1371
Chorley, Rt. Hon. Lord, 272
Chou, F. C., 1506
H., 1506
J., 1503
Mrs. J., 1506
Choube, R. N., 1376
S. D., 1229
Choubey, S. D., 1368
Choudhari, M. R., 1371
Choudhary, C. V. G., 1227
Choudhuri, A. S., 1491
M., 1308
N. N., 1303, 1310
Mrs. R., 1294
R. N., 1241
R. N., Dacca, 1465
R. S., 1262
Choudhury, A. R., 1465
G. S., 1305
G. W., 1467
H., 1317
J. K., 1318
J. M., 1317
M., 1310
M. A., 1468
M. H., 1471
P. C., 1317

Choudhury, P. R., 1274
S., 1471
S. K. R., 1434
S. N., 1440
Chouinard, B., 825
L., 762
Chow, T., 1507
Chowdhry, A. G., 1480
M. K., 1475
S. C., 1303
Chowdhury, A. M., 1464
K. C., 1469
K. D., 1310
K. R , D.O., 1343
K. R., M.Sc., 1235
L. P., 1339
M. S , 1342
N. K., 1342
N. P., 1303
T P., 1402
Chowdiah, A. M., 1237
Chowfin, E. H., 1343, 1345
Chown, H. B., 813
Chrabaszcz, J. J., 807
Chrimes, S. B., 545, 635
Christa, B., 1005
Christensen, M. T., 1099
Christesen, N., 1005
Christian, R. F., 192
R. R., 721
Christie, A. B., 195
A. H , 291
F. M., 790
G. H., 127, 131
G. S., 1010
H., 716
Miss H., 1267
I. R., 305
J., 426
J. T., 462
K. J. H., 1195
M. I., 81
P. S., 746
R. V., 349, 1501
Christison, Mrs. J. N., 649
Christopherson, D. G., 175
E. F , 725
Chrystal, E. M., 109
Chu, H. P., 95
Chuang, S H., 1513
Chubb, F. B., 1771, 1774
J. N., 1282
Chudleigh, G. A., 753
Chughtai, A., 1480
M. I. D , 1479
Chun, D. W. C., 1505
Chung, Mrs. A., 1503
Church, A. E. R., 392
H. B., 863
J. G., 745
Churchill, Rev. J. H., 267
Rt. Hon. Sir W. S., 57
Churchill-Smith, H., 744
Churchman, A. R., 398
Churchward, L. G., 1005
Chute, A. L., 931, 932
S., 684
W. J., 743
Cillié, G. G., 1185, 1187
Cilliers, A. C., 1187
Cilliers, C. H., 1171
D. H., 1183, 1184
S. P., 1188
Cirillo, Rev. R., 1519
Claassens, J. W., 1146
Clacken, T. R., 942
Claman, A. D., 726
Clancy, B. E., 1027
Hon. J. S. J., 1024
M., 1796
Clandmin, D. R., 694
Clapham, A. R., 501, 502
J., 532
Clapp, B. W., 564
Clapton, G. T., 164
Clar, E., 619
Clare, C., 224
R. M., 698
S., 984
Claremont, L. E., 62, 63
Clarence, N. D., 1143
Clark, A. M., D.Phil , 598
A. M., M.Sc., 1006
A. R , 722
B. M., 1169
C , 264
C. G , M.A., 451, 485
C. G , M B., 580
C. H. D., 161
C. M. H., 1076
C. W., 814
D , 29
D. E., 939
D. H. N , 639
D J., 1032
D. S., 791
Mrs. E. B., 811
E. H., 1511
F R., 162
F H. H , 119
G., 207
G. L., 246
Sir G N., 465, 1771
G. S. R K., 85, 106
H., 1149
H. F., 205, 493
Mrs. H. H , 142
J. B., Leeds, 140
J. B., S.A., 1132, 1139
J. G., 598, 650
J. G. D., 79, 103
J. M., 491
J. M. P., 174
Sir K., 456
L. C., 738
L. H. S., 372
Mrs. M., 730
Mrs. Maria, 1512
Muriel, 584
N. S., 586
P. M., 191
R., 1171
R. H., 819
R. H., M.Sc., 1111
R. J., 723
R. M., 716
R. S., N.Z., 1101
R. S., Ph.D., 519
R. T. R., 44
S., 903
Clark, S. D., 925
Mrs. S. M., 647
T. H., 777
T. W., 290
V. M., 81, 100
V. R., 1114
W. A., 136
W. E. Le G., 205, 438, 461
Clark-Kennedy, A. E., 98, 336, 337
Clark-Lewis, J. W., 425
Clarke, B. R., 664
C. A., 196
C. H., 1198
D., 774, 790
D. A., 177
D. B., 911, 912
D. M , 1099
D. P., 504
D. W., 933
E. G. C., 287
Rev. E. M., 890
E. T., 801
E. W., 88
G., 519
G. D., 660
G. R., 451, 466
Rev. H. L., 711
H M., 264
H. O., 336
Mrs. I., 588, 592
J , 506
J. E., 1011
J. I., 583
J. J., 309
J. R , 451
K , 153
K. A., 939
K. A. C., 697
K. S., 876
K. U., 428
L. C. G., 108
L. E., 1525
L. O., 746
L. T., 38
Rev. M., 1788
M. G., 422, 1196
M. L., 537
M. R., 1135
M. V., 1009
Mrs. P. H , 301
R. H. J., 1026
R. S., 727
S. C. T., 690
S. K. R., 67
T. R., 696
W. S., 406
Clarkson, E. M. R., 931
P. W., 328
Canon W. W., 744, 755
Classe, A., 620
Clausen, H. S., 1529
R. J., 324
Claveau, P., 767, 768
R., B.Pharm., 768
R., M.D., 767
Claxton, Hon. B., 881
H. W., 309
Clay, J. W., 690

Claye, A. M., 170
H., 119
Clayfield, E. J. P., 1011
Claypole, Mrs. B. M., 405
Clayson, D. B., 171
Clayton, F. W., 562
G., 188, 192, 205
R. M., 601
R. W., 1524
S G., 332, 371
Clear, T., 1787
Cleary, E. J., 550
Cleasby, T. G., 1555
Cleaver, W. H., 882
Clegg, E. J., 186
F. E., 538
F. R., 960
H. A., 442, 469, 474
H. L., 154
J. A , 258
L. F. L., 496
Cleghorn, J. D., 180
R. A., 786, 788
Cleland, J. B., 988
K. W., 1042
W. P., 332
Clemens, W. A , 724, 734
Clement, B. D., 717
H., 765
H. A , 95
M. M., 530
W., 628
Clément, H., 760,
Clementi, D. R., 400
Clements, A. N., 251
C., 531
F. W. A., 1049
M., 1504
R. G. A., 261
Clemmow, P. C., 88, 106
Clemo, G. R., 435
Clendinnen, A. G., 31
F. J., 1002
Clerihue, W. R., 715
Clerk, Mrs. G., 823
Clerkin, P., 661
Clermont, M., 828
Y., 775
Cléroux, A., 831
Cleugh, M. F., 234
Cleveland, A. R., 624
E. T., 781
Clever, E. E., 700
Cleverdon, R. K., 927
Clews, C. J. B., 1071
J. C. H., 895
Cliche, E., 769
Cliff, G H., 873
G. S., 871
Clifford, E. A. H., 199
M. H , 95
P. R., 801
R. E., 456
T. J., 1791
W. M., 277
Clifton, F., 66
Clinch, H. A., 913
P. E. M., 1785
Cloake, P. C. P., 39, 40
Cloete, J. J. N., 1166
Cloete, N. H. G., 1134
T. T., 1155
Clogg, F. B., 323
Clokie, J. K. A., 730
Close, H M., 1487
Closs, A. M , 60, 76
Cloudsley-Thompson, J. L., 266
Clouston, D., 588
Cloutier, G., 832
Rev. G., 860, 862
L., 759
R., 831, 861
Clover, M., 109
Clowes, F. A. L., 440
H. M., 366
Cluff, J. W., 728
Clunie, J. G., 575
Clutton-Brock, J., 64
Cluver, B., 1187
E. H., 1203
J. A., 1134
Coady, B K., 750
C. J., 727
Justice J. M., 720
Rt. Rev. M. M , 890
Coakley, P., 138
Coales, J. F., 91
Coate, M., 564
Coates, A. E., 1011
D. F., 782, 783
G. E., 76, 127
H. J., 392
R. C., 425
T. H., 1001
Coatman, J., 648
Coats, A. W., 426
Coatsworth, H. R., 922
Cobb, K. B., 147
Cobban, A. B. C., 304
Cobbe, A. P., 447, 472
Cobbledick, D. W., 692
Cobley, L. S., 1555
Coblot, J. J , 620
Coburn, J. G , 409
K. H., 919
S. T., 1539
Cochkanoff, O., 853
Cochran, A. B., 1111
N. J., 574
W., 88, 108
Cochrane, C., 622
D., 1001
E. G., 912
G. R., 1033, 1036
H. D., 742
J. A., 457
Mrs. J. A., 821
W., 359
Cock, D. J., 1006
Cockburn, A. M., 598
Mrs. C., 273
C , M.B., 587
H. D., 356
M. T., 985
R., 176
Cockcroft, M. G., 35
W. H., D.Phil., 584
W. H., M.D., 714
Cocker, G., 404
Cocker, J. P., 169
R., 331
W., 1772
W. H., 435, 1105
Cocking, J. M., 264
Cockroft, A. L., 623
Cocks, B., 533
Rev. H. F. L., 71
H. T., 883
Cockshutt, M. E., 937
Codere, H., 716
Coderre, E., 827
Codrington, K. de B., 228, 290
Cody, Most Rev. J C., 706
Coe, R. N. C., 164
Coen, K., 1052
Coertze, L. I., 1175
P. J., 1165
R. D , 1165
Coetsee, A., 1186
Coetzee, A. J., 1193, 1205
C G., 1187
C. H. H., 1168
F. J. J., 1156
H. W. D., 1153
J. A., 1151
J. C., xxx, 1155
J. H., 1157, 1159
J. J., 1156
J. N., 1169
Rev. J. V., 1160
Mrs. M. R., 1158
P. C., 1162, 1164
W. N., 1156
Coey, W. E., 661
Coffey, M., 302
P., 1791
T. H., 960
Coffin, T. H , 747
Coggan, Rev. F. D., 322, 323
Coghill, N. H. K. A., 442, 461
Coghlan, B. L. D., 55, 982
Cognon, E. P., 1786
Cogswell, A. P. L., 331
F., 848
Cohen, Rt. Hon. Lord, 299
Sir A. B., 1534
A. K., 985
A. V., 258
B , 1198
B. C., 1069
E., 258
H., 91
Sir H., 195, 198
H. M., 41
J., B.C.L., 784
J., Ph.D., 402
L., 1136
L., M.A., 129
L., M.B., 1203
L. J., 647
M., 783
N., 911
R. L., 82, 109
Sir R. W., 184, 261
S., 1196
S. H., 1003
S. I., 556
S. J., 1202

Cohen, V., 1514
Cohn, E. S., 459
N., 662
P. M., 401
Cohne, M., 1529
Coholan, F. G., 863
Coish, H. R., 809
Coke, L. R., 812
Colaco, M. F., 1283
Colborne, D. C., 140
Coldicutt, Mrs. E. B., 1007
Coldstream, W. M., 300
Cole, A. S., 62
A. V., 644
B. N., 33
C. V., 904
D. F., 145
D. J., 1026
D. T., 1194
E. B., 194
E. H., 257
E. J., 899
E. R., 1024
F. L., 930
G. D. H., 449, 457, 475
G. E., 1051
H. M., 59
J. F. I., 639
J. W., 918, 951
K., 715
L. B., 92, 101
M., 840
M. M., 575
R. H , 959
R. W., 1544
T. J. S., 738
Colebatch, J. H., 1010
Coleby, B., 137
Coleclough, F. T., 415
J. E., 155
Colefax, A. N., 1046
Coleiro, C., 1521
Very Rev. E., 1519
Coleman, A. J., 923
A. M., 264
D. C., 271
J. D., 257
P. J., 1044
Rev. W. R., 961
Coleridge, J. C. G., 166
Coles, B. R., 258
J. D. W., 1170
P. H., 575
Colhoun, J., 661
Collar, A. R., 63, 72, 76
Collard, E. G., 911
Collas, J. P., 280
Colledge, E., 189, 205
Colless, D. H., 1514
Collie, C. H., 449, 460
Collier, D. G., 546
H. B., 689
J., 346
R. J., 848
S. J., 503
Collieu, E. G., 446, 459
Collin, R., 1071
W. E., 958
Colling, A. W., 90
Collinge, B., 191
Collinge, J. S. H., 193, 194
N. E., 127, 130, 131
Collings, E. W., 1112
H. D., 1523
W. S., 270
Collins, A. S., 569
Mrs. C. D. E., 167
C. M., 851
C. W., 1099
Mrs. D. A., 1503
D. C., 563
D. H., 509
E. A., 684, 685
E. F., 1525
E. G., 586
Rev. E. G., 1435
F. D., 992
Mrs. F. D. O., 155
F. M., 980
G. A., 699
H. J., 302, 456
Mrs. I., 190
I. S., 1050
Mary, 600
Mrs. M., 568
P., 395
P. A. W., 570
R. W., 692
S. F., 595
T. G., 1063
W., 256
Collinson, E., 162
Collip, J. B., 957, 960, 962
Collis, J. L., 43
W. R. C., 1775
Collison, D. B., 726
Collyer, C., 164
D. M., 301
J. T., 421
W. F., 331
Colman, J. S., 198
S. J., 1537
Colmar, G. C., 582, 589
Colmer, J. A., 1556
Colombo, J., 1519
Colquhoun, D. R., 707
J., 507
Colsen, K., 1202
Colson, F. E., 422
Coltham, Mrs. J. B., 405
S. W., 456
Colton, R. S., 985
Colville, A., 840
D. K., 919
J. S., 1034
Colvin, H. M., 446, 467
Colwell, B. T., 876
W. G., 748
Combe, T. G. S., 84, 103
Comber, N. M., 183
Rev. T. A., 1294
Combridge, C. D., 278
J. T , 263
R. N., 280
Combrink, V., 1163
Comer, H. E., 738
Comfort, A., 309
C. F., 917
Comline, R. S., 95, 104
Commager, H. S., 53, 159, 1789
Common, R., 620
R. H., 791
Compton, N., 912
Comrie, A., 611
A. M., 640
Comtois, R., 829
Conacher, D. J., 903
F., 648
J. B., 922
Conaghan, R. H., 660
Condie, R. H. B., 1556
Condo, W. J., 806
Cone, W. V., 786
Congalton, A. A., 1112
Congreve, G. S., 207
Conklin, F., 863
Conlon, P. M., 33
Conn, G. K. T., 505
H. G., 872
Connal, E. A. M., 626
Connell, K. H., 658
L., 163
P. H., 1142
W. D., 424
W. F., 874, 1043
W. K., 635
Connelly, C. J., 564
Connor, D. C., 63
N. H. B., 45
R. D., 600
Connors, F. L., 1025
Conolly, A. P., 568
Conradie, D. J , 1187
P. J., 1185
Conran, M. B., 39
Conron, A. B., 958
Conroy, F. D., 698
Cons, G. J., 392
Consigho, Mother M., 1294
Consitt, F., 233
Constable, F. L., 603
Constantinides, P., 724
Conway, A. A., 531, 1800
D. J., 863
E., 618
Mrs. E., 631
E. J., 1787, 1790
F. C., 568
Conzen, M. R. G., 139
Cook, A., 1069
A. F., 520
A. H., 96
A. J., 700
A. L., 920
A. M., 297
F., 371
H. F., 340
I. J., 1549
I. T., 155
J. M., 58
J. P., 1090
J. W., xxxi, 562
R. M., 81
R. P., 647
T. W., 739
W. C., 1112
W. F., 327
W. H. R., 196

Cooke, A. C., 719
A. H., 449, 465
A. M., 453, 464
C., 404, 422
C. A., 463
C. C. H., 1028
E. B., 785
G., 1455
J. C., 1512, 1516
J. E., 749, 751
M. B., 1114
M. E., 538
R. B , 100
R. G., D.Sc., 250
R. G., M.Sc., 1000
R. O., 1544
R. V., 67, 76
Mrs. V., 1453, 1458
W. T., 39
Cooksey, F. S , 332
H. C., 234
Cookson, I. C., 999
J., 600
R. C., 249
Coombe, D. E., 80, 97
Coomber, S. E., 257
Coombes, A. N., 1553
Coombs, D. S., B.A., 1524
D. S., M.Sc , 1090
J. S., 993
R. R. A., 93, 101
Coop, I. E., 1114
Coope, R., 192, 195
Cooper, Prof., 321
A. G., 747
A. H., 639
B., 91, 97
C. E., 144
C. G., 1032
D. L., 821
D. S., 1137
D. W., 138
E. A., 39
E. D., 1136
E. R. A., 394
F. C., 425
G. M., 501
G. N., 1009
H. G., 728
J. C., 783
J. H., 791
J. I., 778
J. L. B., 545
J. P., 446, 468
K. E., 66
K. L., 1069, 1072
M. A., 1196
M. M., 1527
M. M., B.Agr., 123, 142, 435
P., 730
R., 194
R. H., 660, 666
R. I. B., 119
W. H., 804
W. M., 400
Cooray, G. H., 1455
Cope, C. L., 370
F. W., D.Sc., 575
F. W., M.Sc., 1549
Cope, J. W., 349
Copeland, T. W., 504
Copesteake, G. G., 698
Copland, Sir D. B., 1789
J., 169
R. A., 1100
Copley, J., 1512
Copp, D. H., 727
J. L., 644
L. G. L., 1114
Coppen, Mrs. H. E., 235
Copping, A. M., 278
G. A., 785
Coppleson, V. M., 1052
Coppock, Mrs. D., 317
D. J., 397
J. T., 304
Copson, E. T., 643, 646
Corbella, Rev. J. M., 1283
Corbett, D., 716
G. G., 1523
H. M., 945
J. P., 448, 458
P. B., 515, 581
P. M., 927
R. E., 1027, 1663
R. E., Ph.D., 1089
R. S., 350
Corbishley, Rev. T., 471
Corcoran, E., 684
Cordero, N., 1514
Cordes, Mrs. K. M., 367
Cordiner, A. D., 637
Cordingley, R. A., 395
Corfiato, H. O., 300
Corin, J. M., 254
Corinne, Sr. M., 921
Cork, D. J., 169
Corke, C. T., 939
H., 598
Corless, P., 545
Corlett, A. V., 873
J. F. R., 621
M. E., 736
W. J., 308
Corlette, E. L., 1050
Cormack, A. M., 1133
E. W., 700
G. A., 410
J. M. R., 493
M. A., 1199
R. G. H., 689
W., 1198
Cormie, D. M., 692
Cormier, B., 788
Rev. C., 896
Rev. J. B., 894, 895, 896
L., 895
Br. O., 894
Cornelius, M., 1254
Cornell, J. G., 982
P. G., 684, 685, 686
Cornellier, A., 827
Rev. P., 857
Corner, B., 64
D. C., 575
E. J. H., 80
G. W., 53, 670
W. D., 129
Corney, E. R., 981
Cornez, J., 828
Cornfield, A. H., 255
Cornforth, H., 318
Cornish, C., 1009
E. A., 983
R. J., 413
Corns, W. C., 694
Cornwell, K. B., 999
S. V. P., 59
Correia-Afonso, F., 1282
Corrigan, B. M., 922
C. E., 814
Rev. J. V., 907
T. H., 1772
Corriveau, A. R., 863
Rev. P., 860
Corriveault, G. W., 759
Corry, D. C., 454
J. A., 870, 873
J. M., 582, 589
J. S., 625
Corse, J. R., 640
Corson, J. C., 609
Corston, Rev. J. B., 907
J. M., 748
Cort, L. A., 205
Cory, A. H. H., 882
R. A., 1544
Coryell, D. D., 722
Cosbie, W. G., 931
Cosens, C. R. G , 91
Cosgrave, Rev. F. H., 923, 952
Cosgriff, P. W., 1114
Cosgrove, E. T , 900
Cosh, J. A., 64
Cossar, J., 599
Cosser, Rev. W., 1178
Cosslett, V. E., 88
Costain, G. D., 639
Costello, P. J., 1782
P. M., 251
Costen, R. A., 940
Costigan, E. B., 1792
Costin, W. C., 446, 467
Cotchin, E., 288
Cote, J. F., 941
Côté, A., 764
F., 831, 862, 864
L., 763
Miss L., 826
Cott, H. B., 89, 106, 422
Cottell, G. A., 401
Cotter, G., 919
Cottle, A. B., 60
Cotton, C. A., 435, 514, 1113
V. E., 186
Cottrell, A. H., 35, 54
Couch, J. H., 933
Coughlan, Mrs. J. D., 602
Coughlin, Mrs. V. L., 784
Couling, G. R., 941
Coulonval, L., 770
Coulson, C. A., 447, 469, 573, 631
J. G., 792
J. H., 350
J. M., 138
Coult, D. A., 187
Coultas, H. W., 32

Coulthard, E. M., 405
G. R., 1543
J., 495
T. L., 713, 714
W. B., 717
Counsell, E. M., 776
R. E., 721
Coupal, J. L., 863
Coupar, A. J. W. R., 646
Couper, A., 58
W. M., 781, 789
Coupland, K. L. F., 882
Sir R., 491
R. E., 160
R. T., 906
Cournoyer, Rev. B., 865
Court, S. D. M., 144
W. H. B., 31
Courtemanche, A , 826
Courtice, H. A., 927
Courtney, J. L., 1024
Courtney-Pratt, J. S., 81, 100
Courtois, E. J., 784
Couse, G. S., 738
Cousin, D. R., 505
Cousineau, G., 830
Cousins, D., 28
Cousland, Rev. K. H., 954
Coustenoble, H , 306
Coutts, H. T., 690
J. A., 61, 72
J. R. H., 585
Coutu, J. N., 857
Couturier, A., 832
Coveney, J., 154
P. J., 157
Coventry, A. F., 926
Coverlid, D. R., 1002
Covernton, C. C., 725
Covert, G. L., 750
Covo, P. V., 783
Cowan, C. D., 293, 296
D., 142, 292
F. W., 1090
H. J., 515, 1042
I. M., 724
R., 596
R. J., 728
R. W. T., 1012
T. K., 1090
W. A., 980, 981
Coward, N. B., 749
Cowell, D., 176
D. B., 297
M. A. C., 197
P. M., 96
S. J., 362
Cowen, D. V., 1132
Z., 1002, 1006, 1013, 1017
Cowie, A. T., 497
G. R., 657
J. W., 60
M. A., 719
Mrs. M. L., 719
W. J. G., 59
Cowling, Prof., 183
Mrs. M. M., 1001
T. G., 159, 165, 179
Cownie, A. R., 639
Cox, A. D. M., 445, 468
Cox, A. H., 435
C. P., 497
Sir C. W. M., 464, 1502
D. R., 87
E. G., 161
F. M., 1022
F. R., 401
G., 1207
G. A., 1119
G. S., 297
H. H., 448, 462, 467
J. S., 57
J W., 164
K., 793, 851
L., 717
L. N. P., 1062
L. W., 1093
M. A., 930
P., 775, 851
Mrs. P. M., 497
R. G., 398
R. R. S., 504
Coxeter, H. S. M., 923
Coxon, A. H., 597
R. V., 449
Crabb, H. S. M., 63
Crabtree, M. G., 999
N. L., 39
Craddock, F. W., 1093
H. S., 1028
Crafter, R. D. A., 535
Cragg, B. G., 299
J. B., 130
L. H., 800
R. C., 717
Craggs, Mrs. B , 247
J. D., 194, 205
J. W., 140
Craig, Rev. A. C., 618
A. J., 1521
A. J. M , 129, 130
C., 782
D. P., 1022, 1042
E., 1521
F. V., 664
G. E., 786
G. M., 922
G. Y., 598
J., 586
J. J , 1202
K. T., 1544
M., 1309, 1313
Rev. R., 1143
R. A., M.D., 65
R. A., M.Sc., 1000
R. C., 595
R. E., 1005
T., vi, xxxiii
W. D., 153, 1074
W. S. M., 171
Craig-Houston, G., 317
Craigie, E. H., 926
Craigmyle, M. B. L., 617
Craik, T. W., 569
Crake, J. E. A., 839
Cram, N. K., 902
Cramer, H. I., 786
Crammer, R. W., 569
Cramp, R. J., 474
Crampton, E. W., 792
Crampton, M. H. St. C., 982
R. F., 505
Cran, J. A., 984
Crane, A. R., 1019
C. W., 999
F. R., 265
L. G., 1047
Cranfield, Rev. C. E. B., 130
G. A., 1026
Crang, A., 71
Crangle, J , 505
Cranmer, P., 660, 666
Cranston, J. A., 637
Cranswick, M. E., 69
Crapp, I. E., 1006
Craster, Sir H. H. E., 457
Crause, H. L., 1183
Craven, A. C., 53
A. H., 1093
D. H., 1187
Crawford, A., 192
A. B., 638
C. B , 1776, 1780
D. P., 841
D. V., 429
Rev. E. A., 1772, 1777
G. N. C., 438, 461
G. S., 699
H , 1035
J., Montreal, 911
J., Ox., 475
K. G., 873
M., 664
M. F., 924
O. G. S , 519
R. A., 638
R. M., 1002
T., 353
T , N.Z., 1107
T. B. B., 603
W. S. H., 840
Crawford and Balcarres, Earl of, 643
Crawley, C. W., 85, 108
J. A., 1095
L. W. A., 1106, 1109
Creasy, M A., 246
Creed, J. L., 493
R. F. S., 287
R. M., 530
R. S., 449, 464
Mrs. S., 474
Sir T. P., 279
Creedy, A. J., 163
Creighton, B., 500
D. G., 921
J. H., 717
T. R. M., 497
Cremona, F., 1519
J. A., 315
J. J., 1520
Crendron, J. D., 762
Crennell, A. R., 1775
Crépault, P. E., 770
Creswick, H. R., 78, 100
Crew, F. A. E., 604
Crewe, A. V., 191
Crews, Mrs. C. M., 164
Crewson, A., 922
Cribb, A. B., 1031

Crichton, A., 544
M. I., 495
Crighton, A. B., 691
J. T., 648
Cripps, E. G., 319
S., 781
Crisp, D. J., 540
E. J., 328
E. R., 1010
L. F., 1077
Mrs. O., 240
Critchley, M., 331, 370, 380, 991, 1518
Croal, A. G., 937
Crocker, B. F., 930
C. G., 1169
N. J. F., 96
R., 841
R. L., 1042
Crockett, W. C., 1003
Crockford, A. L., 358
Crocombe, F. R , 925
Croft, G. M., 566
L. T., 1142
O. L., 746
S., 205
Crofton, H. D., 62
J. W , 605
Crofts, D. R., 277
G , 806
P. C., 412
Crombie, A C , 313
D. W., 964
H. M., 586
I. M., 448, 469
J. D., 603
L., 255
Mrs. W. M. L., 517
Cromie, Rev. A , 1793
Crompton, J , 446, 1178
L., 919
O., 730
R. W., 983, 991
Cromwell, B. T., 153
Crone, D. R., 659
Cronhelm, H. J., 663
Cronin, Rev. F., 1505, 1506
Very Rev., K., 234
Cronjé, G., 1165, 1171
Cronk, L. B., 875
Cronkite, F. C., 902, 904
Cronne, H. A., 34, 46
Crook, A. C., 96
A. J., 749
E. A., 325
E. M., 300
J. A., 81, 105
M. A., 279
S. L., 70
Crooke, A. C., 39
Crooker, A. M., 722
Crookes, S. I., 1105
Crooks, W. M., 32
Croom, J. H., 606
Croot, H. J., 1536
Crosby, D. R., 692
H. S., 745, 746
J. A., 921
J. L., 127, 131
J. M., 749
Crosby, N. D., 1071
W. J. R., 923
Crosland, M., 599
Cross, A. G., 355, 356, 371
A. R. N., 452, 464
B. A., 95
E., 729
E. J., 174
Canon F. L., 455, 459
J., 60
K. W., B.A., 1178
K. W., M.B , 356
K. W., Ph.D., 39
M. H , 205
M. W , 1119
R. C., 583
Rt. Hon. Sir R. H., 1062
R. V., 177
W. G., 370
Crosse, V. M., 41
Crosskey, M. A., 42
Crossland, B., 63
J., 647
R. A , 102, 137
R. W., 405
Crossley, E. L., 493
K. M., 924
R. G., 1044
Crossman, E. R. F. W., 33
L. G., 907
Crosthwait, Canon T. P., 952
Croston, A. K., 1542, 1545, 1547
Croteau, Rev. J., 865
Crouch, L. G R , 721
Crouchley, J., 1034
Crouse, Rev. R. D., 952
Crow, A. D., 443, 465
H., 320
Mrs. J., 444, 472
J. W., 264
R. S., 65
Crowden, G. P., 384
Crowder, C. M. D., 659
M. M., 412
Crowe, A. D., 851
P. M., 410
P. R., 282, 398
S. E., 450, 473
Crowfoot, Rev. A. H., 962
Crowley, Rev. C. P. J., 706
D. W., 177
F. K , 1070
G. M., 1098
N. C., 987
N. F. T., 346
Rev. T., 660
Rev. T., Dublin, 1783
T. A., 1020
T. A., Ph.D., 665
Crowson, R. A., 624
Crowther, A., 1101, 1103
D., 510
Croydon, M. M., 1002
Cruft, H. J., 597
Cruickshank, A. H., 196
A. J. B., 58
A. J. O., 635, 645
C. N. D., 41
D. W. J., 105, 161
Cruickshank, E. K., 1543
E. W. H., 585
F. D., 1063, 1065
J., 519, 521
J. C., 384
J. N., 627
Mrs M. A., 163
R., 355
Cruikshank, B., 604
W. H., 785
Cruise, S. E., 1144
Crum, M. M., 465
Crumb, J. A., 716
Crundwell, A. C., 618
Crusz, H., 1454
Crutchley, B , 96, 108
Crutchlow, E. F., 789, 790
Cruttwell, M. J. P , 563
Cuff, P. J., 464
Culbert, M. R., 929
T. A., 406
Culiner, A., 1202
Cullen, A. L., 303
G. V., 1008
P. M., 663
W. G , 784
Cullerne, A. C , 189
Cullıford, S. G., 1111
Cullimore, M. S. G., 63
Cullinan, E. R., 349
Cullinane, Rev. E. A., 706
N. M , 544
Cullis, C. F , 255
Culliton, J. T., 776
Cullwick, E. G , 645, 652
Culver, R., 981
Culverwell, J. D , 416
Cumberland, K. B., 1107
V. H., 1052
Cumberlege, G. F. J., 457
Cuming, A., 153
Rev. G. J., 131
Cumming, A. M , 563
A. R. R., 156
G. A., 645
I , 1106
M. C., 623
P., 652
R. A , 1011
R. S., 744
Cummings, A. D., 427
R. H., 253, 620
R. P., 1031, 1037
Cummins, E. A., 415
J. S., 648
Cumper, G., 1544
Cumpston, L. G. B., 1069
Cundall, R. B., 174
Cuningham, W. G. P., 1100
Cunliffe, A , 155
A. C., 332
G , 70
M., 723
M. F., 394
Cunnell, C. J., 249
Cunningham, A. B., 1543
A. F., 34
D. J. C., 449, 468
E., 104
G. J., 350

Cunningham, J., 611
J. D., 939
J. F., 1787
J. G., 934
J. M. M., 601, 610
J. S., 398
K., 1786
M., 630
M. L., 302
N. C., 1060
N. J., 188
W. B., 839
W. M., 1093
Curgenven, J. P., 128
Curle, A. C. T. W., 563, 566
R. O., 595
Curling, C. D., 266
Curnow, C. E., 1025
T. A. M., 1107
Curr, W., 32, 44
Curra, H., 250
Currall, A. E., 504
Curran, D., 353
D. D. G., 864
E., 1789
H. W., 870, 876
R. C., 628
S. C., 622
Current, Mrs. J. S., 950
Currey, C. H., 1048
D., 714
D. V., 935
Currie, A. B., 776
A. M., 415
A. R., 628
A. W., 925
B. W., 905
C., 779
D. W., 170
E. D., 620
G. A., xxx, xxxiii, 1086
J., 639
Curror, J. P., 907
Curry, C., 166
J., 395, 407
L., 1107
W. A., 749
Curtain, C. C., 1009
Curthoys, G. C., 1024, 1028
Curtin, B. A. D., 1050
M., 1793
Curtis, Rev. A. H., 38
A. R., 504
C. A., 873
C. H., 873
F. C., 108
G. F., 713, 720
L. G., 457
R. L., 128, 304
S. J., 163, 166
S. R., 297
W. E., 141
W. M., 1062
Curwen, S., 67
Curzon-Siggers, Canon W. A., 1091
Cusack, N. E., 251
Cushing, G. F., 240
Cusick, F., 581
Cutcliffe, E. F., 254
Cutforth, R. H., 332, 333
Cuthbert, J. A., 655
N., 658
T. M., 147
Cuthbertson, A. C., 839
C. T., 801
D. P., 585
J. W., 427
Cutter, C. G., 1105
Cutteridge, O. P. D., 413
Cuttle, W. L., 98
Cymerman-Craig, J., 1042
Cynkin, S., 1202
Cyr, R., 826
Czako, S. A., 861
Czekalowski, J. W., 169
Czerwinski, W., 927

Da Silva, L. S., 1514
Dabadghao, V. M., 1370, 1375
Dabholkar, S. G., 1406
V. D., 1285
Dabir, W. M., 1372
Dacey, J. R., 881
Dacie, J. V., 372
Dadabhoy, J., 1456
Dadd, A. H., 255
Dafoe, C. S., 699
E., 806
W. A., 932
Daftari, D. K., 1374
Dagenais, A., 827
P., 825
Dagg, J. R., 924
R. E., 781
Daggett, H. M., 715
W. I., 332
Dagley, S., 160
Dahanayake, C., 1453
Dahm, G., 1465, 1467
Mrs. R., 1467
Daiches, D., 83
Daigle, Rev. M. M., 895, 896
T., 895
Dain, F. R., 122
Dainton, Prof., 183
F. S., 162, 435
Dainty, J., 600
Daisley, H. H., 95
Dakin, A., 76
D., 249, 250
Dakshindas, D. G., 1368
R. V., 1371
Dalal, N. T., 3376
S. B., 1369
Dalaya, Rev. A. M., 1225
Dalby, G. R., 177
H. A., 139
Dale, A., 630
D. G., 792
D. K., 738
E. E., 1016
E. H., 494
H. E., 716
Sir H. H., 388
H. M., 917
J. B., 269
M. M., 1145
R. R., 550
W. A., 1032
Dale, W. L., 1512
W. S. A., 737
Dales, Mrs. H., 661
R. P., 393
Daley, Sir A., 949, 991
Dalgarno, A., 660
Dalitz, R. H., 35
Dallas, A. E. M. M., 427
D., 718
K. M., 1062
Dallender, J. A., 257
Dalling, Sir T., 167
Dallyn, F. J. G., 808
Dalston, H., 497
Dalton, B. J., 1020
Mrs. D. R., 1747, 1748
G. C. J., 1106, 1109
K. A., 55
W., 899, 900
Daltry, C. T., 234
Daly, Very Rev. C. B., 660, 670
G. L., 1557
M. de B., 307
Dalziel, J. A. W., 255
M., 1090
Damato, F. J., 1521
Damle, S. K., 1268
V. P., 1406
Y. B., 1311
Damodaran, A., 1306
Mrs. D., 1357
G. R., 1356
P., 1355
P. N., 1354
Dampier, Sir W. C. D., 119
Danaraj, T. J., 1514
Mrs. W., 1514
Danby, C. J., 441
C. W. E., 875
Canon H., 491
J. F., 514, 538
J. P., 183
Dancey, T. E., 788
Danchev, A. S., 1030
Dandayani Deskar, S., 1254
Dandekar, R. N., 1405
V. P., 1265
Dane, P., 1535
R. A., 1027
Dangelzert, C., 772
Dani, A. H., 1467
G. V., 1368
Danial, K. V., 1388
Daniel, A. W. T., 280
E. E., 727
G. E., 79, 105, 205
J. R., 406
P. M., 453
Daniell, J. P. S., 1555
Danielli, J. F., 266, 306
Daniells, J. R., 717
Daniels, E. C., 1025
F. J., 291
G., 398
H. E., 86
I., 543
J. C., 430
J. E., 143
J. M., 723

Daniels, M., 137
T. C., 551
Danıher, E. L., 949
Danilow, N., 1111
Danks, A. J., 1099
Dannatt, C. W , 257
Dansereau, A., 831
M., 864
Dantwala, M. L., 1279
Danziger, K., 1005, 1145
Dar, A. M., 1480
Mrs. U., 1305
Darab Khan, G. H., 292
Darbari, B. P., 1226
N. L., 1329
Darbre, A., 266
Darby, H. C., 304, 313
J. F. G., 1004
Darbyshire, O., 141
Dare, J. G., 165
Darısse, G., 764
Darja, H. R , 1308
Dark, A. J., 543
P. J. C., 1531
Darke, C S., 508
Darling, A. I., 63
E. B., 723
H. S., 319
Darlington, C. D , 321, 440, 464
D., 29
R. R., 250
Darlow, G., 246
G S., 130
Darné, A., 1553
Darrach, M., 724
Darroch, K. M., 951
Dart, R. A., 1193
R. T., 87, 100
Daru, R. H., 1322
Daruvala, J. C., 1285
Daruwala, E. D., 1303
E. H., 1280
Das, A., 1446
A C , 1341
B. B., 1435
B. C., B A , 1435
B. C., M.Sc., 1241
B K , 1303
C , 1316
C. M., 1434
D. L., 1296
E. N., 1376
G. S , 1435
H. P., 1317
I. J., 1265
J. N., 1374
K., 1440
K. C., 1317
K. K., 1245, 1251
K. N , 1224
M., 1342
M. C., 1318, 1319
M. N , 1436
N., 1316
P., LL.B., 1303
P., M.S., 1343
P. C., 1412
P. K., 1434
R., 1422
Das, R. B., M.A., 1318
R. B., Ph.D., 1339, 1344
R. K., 1258
R. K., M.A., 1434
R. K , M.B., 1435
R K., M.Sc., 1317
R. R., 1317
S., 1435
S. C., 1435
S. K., 1295
S. M., D.Sc., 1339
S. M., M.Sc., 1435
S P., 1372
Mrs. U., 1435
U. N., 1439
V., 1388
Das Gupta, A. K., 1223
A K., Ph.D., 1259
B., 1310, 1312
B. N , 1339
H., 1372
I B , 1436
J. K., 1229
J. N., 1259
P. C., 1440
R. K., 1306
S., 1302, 1308
S. C., 1258
S. N , D.Litt., 1338
S. N , Ph.D., 1336, 1344
S. R., 1297
S S , 1439, 1440
Das Neves, F. J., 266
Dasa Rao, C. J., 1247
Dasannacharya, B., 1259
Dasappa, B., 1365
Dasaradharama Rao, K , 1246
Dasent, W. E., 1110
Dasgupta, A. P., 1290
B. R., 1296
D. C., 1317
S., 1273
Mrs. S., 1338
Dasjew, R. N., 1435
Dass, A., 1309
Mrs. A. P., 1222
B., 1308
Bhagwan, 1394
K. N., 1422
S. R., 1307
Dass Gupta, R. K., 1303
S. M., 1303
Dassanayake, A. G. S., 1454
Dassnaike, A. S , 1455
Dastagır, G., 1389
Dastıdar, N. N G., 1402, 1403
Dastoor, H. D., 1282
Dastur, A. J., 1279
D. B , 1268
P. S., 1282
Datar, S. S , 1388
Datnow, M M., 196
Datt, G., 1344
V., 1329
Datta, A., 1422
B. K., 1439
B. N., 1317
D. C., 1413
G. G., 1318
G. K., 1412
Datta, G. L., 1310, 1313
H. K., 1245
H. N., 1439
K., 1392
K. K., 1401
P., 1316
P. C., 1397
P. N., 1411
R. L., 1304
S. K., D.Sc , 1241
Satyendra K., 1276
S. P., 300
Daube, D., 583
Daubenton, F., 1201
Dauncey, K. D. M., 55
Daunt, B. M., 250, 252
Rev. E. G., 1776
Dauphin, E. L., 871
Dauphinee, J. A., 932
M., 751
Davar, D. J., 1333
F. C., 1322
Dave, B G., 1269
H. J , 1265
I A , 1265
I. R., 1324
J. B , 1324
J. S., 1264
K. R., 1322
M. B , 1268
M. K., 1371
R. N., 1325
S S , 1324
T. N , 290
V. N , 1411
Davel, H. B., 1166
J. G. A., 1168
Daveney, T. F., 666
Davenport, A., 189
A H., 106
H., 306
M. E., 1203
R. C., 371, 381
Davey, A. C. C., 411
E. L., 739
Rev. J. E., 665, 666
P. W., 697
T. H., 198, 1501
Daviault, L., 761
P., 862
David, A., 838
C. W., 1225
D., 1353
Rev. F J. T., 579
F N., 308
I., B.Sc., 255
I., LL.D., 552
J., 792
J. C , 1356
M. M., 1288, 1380
P., 831
R. W., 96
S. J., 294
T. K., 1505
Davidge, C. V., 452, 462
Davidson, A. C., 927
A. E., 727
A. H., 1775
C. B., 608
C. M., 617

Davidson, D., 801
E., 899
F. G., 1001
G. A., 727
J., M.A., 644
J., M.B., 604
J. F., 91
J. N., 618
J. W., 994
L. S. P., 603, 606
M., 598
P. M., 552
R., 580
R. L., 1194
S., 40, 1140
S. G., 586
S. W., 147
W. M., 332
Davie, A. S., 648
C. T , 647
D. A., 1771, 1773
G. E., 660
T. B., xxx, 1130
Davies, A., B.A., 525
A., M A., 415
A., M Sc., 563
A., Wales, 531
A. F., 1005
A. G., 301
A. G. M., 1535
A. L., 664
B. L., 412
C C., 445
C. E., 728
C. E. P., 265
C. W., B.A., 415
C. W., D.Sc., 530
Sir D., 345
D., Ph.D., 532
D. E., 552, 576
D. G., 172
D. G., M.B., 557
D. H., 64
D. Hywel, 1132
D. H. M., 1182
Rev. D. J., 526
D. J. Ll , 531, 534
D L., 370, 382
D. M., B.Sc., 425
D. M , Ph.D., 800
D. R., F.R.C.S., 363
D. R., Ph.D., 504
D. R. S., 190, 199
D. V., 358
Elwyn, 525
E., 1046
E. B., 92
E. F., 589
E. J., 176
E. T., B.Sc., 59
E. T., F.R C.O., 539
E. T., Ph.D., 517, 519
F., 501
G., 531
G. A., 167
G. D. D., 59
Rev. G. H., 130
G. L., 1773
G. M., 539
G. N., 1093, 1098
Davies, G. O., 193
G. O. B., 719, 720
H., 447, 460
H. J., M.A., 466
H. J., Ph.D., 519
H. M., 504
H. S., 83, 104
I., 533
I. G., 172
J., 533
J. A., 530
J. B. M., 197
J. C., 129, 659
J. G., 402
Rev. J. G., 38
J. G. W., 96
J. H , 62
J. H., M.A., 502
J. H. T., 407
J. L., 1063
J. M., 492
J. N. P., 1536
J. R., B.Sc., 287
J. R., M.D., 726
J. T., 264
K., 1527
K. G., 446, 465
L., Austral., 986
L., O.B.E., 574
L , Ph.D., 130
Lois, 728
M., 234
M. B , 982
M. E., 556
M. M., 530
M. R. R., 165
M. W. H., 256
N. R., 1024
O., 1523
P., 510
P. O. A. L., 982
R. D., 91, 97, 402
Rev. R. E., 71
R. E., M.A., 1156
R. E., M.Sc., 53
R. E., Ph.D., 514
R. G., 259
R. H., 550
R. I., 540
R. M., 532
R. O., F.R.I C., 532
R. O., M.Sc., 281
R. O., Ph.D., 570
R. T., 189
S., 620
S. G., 1524
S. J., 264, 1527
T. A. L., 1514
T. B., 493
Rev. T. G., 526, 579
T. M., 530
T. V., 265
V. S., 518
W., B.Sc., 544
W., D.Sc., 999
W., Ph.D., 258
W. E., 533
W. E. D., 1557
W. H., 531
W. T., 449
Davies, Rev. W. T. P., 526
Davin, D. M., 457
Davis, A. G., LL.D., 1107, 1109
A. G., M.Sc., 318, 321
A. J., 70
A R., 94
B. E. C., 315
B. T., 42
C. S., 61
D. D., 159
E., 1183
E H., 1028
E. H., B.Sc., 1048
Mrs. G. L., 1019
Very Rev. H. F., 38
H. H., 981
H. J., 442
J. A. M., 234
J. C , 196
L. J., 627, 1501
L. M., 811
L. M. S., 910
M. C., 1006
M. E. H., 30
Mrs. M. I. G., 443, 473
M. R., 164
N., 619
N. M., 308
P. H., 596
P. W , 582
R., 155
R. H. C., 305
S., 1143
S. B., 408
S. G., F.G.S., 1504
S. G., Ph.D., 689
S. R., 275, 1033
W. B., 628
Davison, B. K., 1549
D., 1178
Mrs. E., 724
G , 144
J. A., 162, 179, 183
K. B., 714
M. H. A., 144
P., 39
P. H., 31
R. B., 1524
W. T., 142
Davson, H., 307
J., 409
Davy, B. W., 92
G. R., 694
N., 428, 436
Daware, P. D., 1376
Dawbarn, M. C., 985
Dawber, H. M., 401
Dawbin, W. H. I., 1112
Dawe, C. V., 59
J. F., 739
Dawes, B., 266
E. A., 618
G. S., 470, 485
H. F., 804
Dawkins, C. J. M., 345, 362
Dawson, A., 589
A. M., 69
C., 1106
D., 579

Dawson, D. R., 911
E., B.A., 190
E., B.Sc., 168
E. O., 1095
F. K., 426
G. W. P., 1771
H. L., 789
I. M., 619
I. M. P., 171
J., 160
J. G., 622
Mary, 640
May, 668
Molly, 236
R. MacG., 925
R. S., 129
S. W., 551
T. L. C., 922
W. G., 746
Day, A., 696
A. C. L., 271
A. J., 983
A. J. W., 30, 31
F. G., 697
J. H. O., 1134
J J , 862
J. N. E., 301
J. P. de C., 576
R. H., 62
T D., 171
W. R., 443
Dayal, D , 1228
J., 1339
P., 1401
S., 1228, 1235
Dayhaw, L., 862
Daykin, A., 502
P. W., 288
Daymond, J. R., 1146
S. D , 191
Daysh, G. H. J., 123, 139, 151
De, B. K., 1467
B. R., 1296
D. K., 1296
D. L., 1295
K. C., M.A., 1292
K. C., Nag., 1371
R., 1435
S. C., 1466
d'Abreu, A. L., 43
F. A., 367
D'Aeth, H. R. X., 1542
D'Alton, L. B., 1785
D'Andrea, A., 780
de Angelis, M. L., 779
D'Arcy, P. F., 297
d'Ardenne, S., 435
D'Ath, E. F., 1094
de Bavay, J. M., 1020
de Beer, F. A. H., 1198
De Beer, J. F., 1157
de Belin, G. A., 504, 510
de Bellefeuille, P., 863
de Berg, R. F., 1106
de Bethune, Prof., 151, 514
de Bhaldraithe, T., 1786
de Boer, G., 154
J., 2702
de Boom, H. P. A., 1170
De Bray, B. P. G., 1106
de Bray, R. G. A , 241
De Brincat, Mrs. R. R., 730
de Brún, Rt. Rev. P., 1782, 1796
de Bruyn, J., 718
de Bunsen, B., xxxi, 1534
de Búrca, S., 1796
de Burgh, P. M., 1049
de Catanzaro, Rev. C. J., 923, 952
de Chantal, R., 859
de Chickera, E. B., 1512
De Coster, M., 760
de Courcy, A. V., 492
d'Entrèves, A. P., 447, 463, 593
D'Eye, A. T., 456
de Fériet, K., 313
De Fonseka, T. E. J., 1456
De Francesco, G. A., 1044
De Grâce, J. G., 895
de Graft-Johnson, J. C., 1525
De Groot, A. W., 715, 723
de Groot, J., 824, 825
de Grouchy, P. J., 520
de Guise, A , 830
d'Halluin, B., 772
d'Hauteserve, L., 780
D'Iorio, A., 827
de Irizar, A., 167
de Jager, C. L., 1167
de Jong, S. H., 717
de Jongh, Dr., 435
de Josselin de Jong, P. E., 1512
de Kiewiet, C. W., 554
de Klerk, B. J., 1160
De Klerk, P. J. S., 1157
de Kock, A. A., 1166
E. L , 1163
G P. C., 1166
W. J., 1164
de Koninck, C., 764, 770, 771, 772
De La Bere, J. C. W., 286
de la Hunt, N. E. C., 1202
de la Mare, P. B. D., 1301
de la Noe, Count F. A., 772
De la Rey, B. D., 1147
de Lange, M., 1171
De Long, W. A., 791
de Loor, B., 1167, 1174
De Los Santos, M. V., 1804
De Luca, H. A., 960
De Lury, D. B., 923
De Marco, F. A., 706
F. G., 708
de Margerie, Y., 882
de Mayo, P., 249
De Meyer, A., 827
de Monchaux, C., 308, 313
de Monléon, J., 764, 770
de Montmollin, D. P., 920
de Montmorency, G. S. M., 233
de Morpurgo, P. G. L., 319
de Mourgues, Mme O. M. H. L., 84, 109
de Navarro, Mrs. A. D. M., 79
J. M., 79
De Navasquez, S. J., 328
d'Ombrain, G. L , 391
De Pape, R. A. G., 811
de Quadros, A. N., 1270
de Rham, Prof., 151
D'Rozario, A. M., 1219
De Rusett, A. W., 177
de St. Antoine, J. D. de R., 1553
de Saint-Just, E. L., 858
De Saint-Victor, H., 863
de St. Victor, J., 767
de Ste.-Croix, G. E. M., 253, 275, 445, 465
de Saram, G S. W., 1455
de Sausmarez, M., 163
De Sauze, E. B , 772
de Selincourt, O , 546
de Silva, B. L. T., 1451
C. L., 1451
G. V. S., 1452
H. B., 1454
L. M., 1456
P. C. C., 1455
D'Silva, J. L., 336, 1527
De Silva, Mrs. N. B., 1454
de Silve, S. S. P. de J., 1454
de Smith, S. A., 272
de Sornay, A., 1553
de Souza, A., 1322, 1325
A. T. A., 1452
Mrs. A. T. A., 1456
M., 1515
De Souza, J. P., 1282
D'Souza, B. A., 1356
L. P., 1421, 1423
V. L., 1360
V. S., 1333
de Stein, J. L., 782
de Valera, E., 1782
De Valera, C., 1363
M., 1797
De-Varent, M., 1488
D'Vaz, D. P., 1464
De Villiers, P., 1157
P. C., 1189
de Villiers, A. J., 1187
C. G. S., 1188
D., 1183, 1184
G. E., 1187
J , 1135
J. E., 1152
Justice, J. E., 1130
J. F. v. d. S., 1167
J. J., 1188
M., 1186
M. E., 1187
O. T., 1189
de Vleeschauwer, H. J., 1183
de Vogelaere, R., 763, 772
de Vos, A., 940
M. P., 1185
P. J. G., 1187
De Vries, Mrs. J., 784
de Waal, C. T., 1189
H. L., 1163, 1171
P. E., 1188
de Wardener, H. E., 359
De Wet, Mrs. H., 1187
Mrs. H. G., 1158

De Wet, J. M., 1157
P. J., 1158
de Wet, I. B., 1169
J. C., 1187
J. S., 447, 458
De Wit, J. H., 1151
J. J. D., 1153
De Witt, C. E. A., 683, 685
de Witt, K. W., 1549
De Wolfe, E. L., 683
d'Youville, Rev. Sr. M., 866
de Zilva, P., 1454
De Zoysa, V. P., 1456
Deacon, A. E., 814
A. L., 40
Deakin, C. S , 91, 104
F. W. D., 471
J. H., 1050
W. T., 575
Dean, Hon Justice A., 998
A J E., 1555
C. R., 937
F. M., 188
H. R., 93, 108
N., 90, 108
R. F. A., 75
Rev. R. S., 907
W. R., 107, 306
Deane, B., 622
Deans, A. S. C., 589
Dearden, W. H , 63
Dearle, R. C., 959
Deas, H. D., 504, 646
H. T., 81, 99
J. S., 505
Deathe, E. W., 913
Deb, G. C., 1468
K. C., 1434
R. N., 1368
S. C., 1240
Debenham, F., 99
R. K., 43
Debnath, H. L., 1434
Debono, J. E., 1520, 1521
Décarie, R., 832
V., D.Ph., 832, 833
Mrs. V., 833
Dechamps, J. A. P. J., 282
Dechêne, E., 768
Deck, M. F., 1050
Decker, B. E. L., 625
Decoene, Canon A., 761
Decreus, Mrs. J. C., 280
Decter, P. H , 806
Dédéyan, C., 159
Dee, A. A., 36
P. I , 622
Deeble, J., 1011
Deed, D. M., 192
Deegan, G. A., 1526
Deem, M. H., 1094
Deer, W. A., 399
Dees, N., 147
Defert, A., 772
Defries, R. D., 934, 935, 945
R. G., 774
Degazon, D. W., 1544
Degenaar, J. J., 1187
Dehadrai, P. V., 1422
V. B., 1371
Dehem, R., 828 ¶
Dei, Mrs. J., 1435
Deighton, Rev. H. S., 466
Deith, E., 183
Dekaban, A., 725
Dekate, Y. G., 1372
Dekker, G., 1155, 1156
H P., 1189
J. J., 1152
K. D., 1146
del Castillo-Nicolau, J., 301
Delacourcelle, Mrs. D. W., 139
Delafield, M. E., 277, 302
Delage, J., 765, 768
J. B., 838
J. M., 769
Delahaye, J. S., 875
Delalle, R., 398
Delaney, C. F. G., 1774
V. J., 325
Delargy, J. H., 535, 542, 1786, 1789
Delatycki, O., 1008
Delhaes, F., 835
Delhi, Chief Commissioner of, 1302
Delisle, G., 761
R., 759
Dell, J , 467
Dellers, W., 85
Dellow, K. J., 1106
R. G , 1108
Delorme, E. J., 605
J., 828
Delory, G E., 807
Deltour, P., 762
Delzell, D. E., 800
Demant, Canon V. A , 455, 459, 540
Demarcy, H , 718
Dembrey, I., 67
Demchuk, L. I., 719
Demers, D., 766
F. X., 767
G. E., 763
J., 827
J. M , 825
L. P., 769
P., 827
Demontigny, G., 829
Dempsey, Rev. P. J , 1792
W. C., 1186
Dempster, C. M , 603
D. G , 586
G., 941
G. O. L., 1094
W. J., 307
den Tex, E., 1002
Denard, W. V., 1774
Denet, A., 1033
Denault, H., 765
Denbigh, K. G., 91
Denburg, C., 833
Denes, P., 306
Denham, W. S., 175
Denholm, W. T., 984
Denholm-Young, N., 538
Deniger, Mgr. G., 824
Denis, B., 763
Denman, D. R., 90
Denman, Mrs. E. M., 510
Dennell, R , 404
Denner, K., 799
Denning, Lord Justice, 249, 253
Dennis, C. G., 1006
E. J., 1133
S. C. R., 660
W., 313
Dennison, J. F., 1095
J. P , 552
S. R , 82, 99
W. M , 627
Denniss, R. G., 160
Denniston, R. H. F., 1529
Denny, G. A. W., 279
J. R., 165
Denomy, Rev. A. J., 920
Denstedt, O. F., 775
Dent, C. E., 301, 362
C P., xxxi, 1179
E J., 101
F J., 174
K. W., 428
L. S , 581
R. W., 684
Denton, E. J., 585
R. L., 787
Deo, Mrs. P., 1337
P. G., 1339
S., 1228
Deodhar, G B., 1241
Deokule, T. G., 1324
Deol, M. S., 303
Deolalkar, D. K., 1332
Deole, R. G., 1332
Deoras, B. R., 1369
V. R., 1373
Depocas, F., 858
Derasari, H. R., 1323
Derbyshire, K., 404
Derenne, J., 760
Derhalli, M. M., 129
Derham, D. P., 435, 1002
R. L. J. S., 195
Derome, L., 831
Derome, R., 280
Derrett, J. D. M., 294, 1288
Derry, D , 720
L. W., 392
Derruau, M., 151, 523
Des Barres, Rev. F. W. W., 839
Des Champs, A., 729
Desai, A. N., 1325
A. R., M.A., 1324
A. R., Ph.D., 1280
B. G., 1266
B. M., 1406
D. D., 1325
D. R., 1269
I. P., 1267
J. D., 1265
J. H., 1268
K. L., 1325
K. R., 1321
K. S., 1266
K. V., 1324
L., 1272
L. R., 1321

Desai, M. B., 1279
M. D., 1323
M. G., 1325
M. H., 1303
M. S., 1325
N. K., 1283
R. A., 1323
R. C., 1268
R. D., 1322
R. L., 1269
S. V., 1322, 1325
T. B., 1285
U. D., 1323
U. V., 1284
V. K., 1323
Z. A., 1325
Desautels, A., 833
Desbiens, G., 760
Desborough, A., 686
L. O., 1110
V. R. d'A , 400
Descarries, A., 827
Deschamps, P., 761
R., 762
Deschênes, G. H., 829
Deshaies, G., 832
Deshikachary, T. V , 1421
Deshmane, J. V., 1377
Deshmukh, A. P., 1377
C. D., 1374
D. G., 1372
D. J., 1375
G. M., 1377
K. B., 1370
M. G., 1373
N. C., 1370
Deshpande, A. N., 1373
B. R , 1374
C. D , 1325
D. L., 1274, 1277
D. S , 1321
D. Y., 1374
G. K., 1371
G. M., 1369
G. T., 1373
H. S., 1333
Mrs K., 1371
K. B., 1384
K. S., LL.B , 1376
K. S., M.A., 1331
L. B., 1381
M. L., 1383
M. V., 1322
N. R., 1405
P., 1388
P. K., 1369
P. U., 1379
P. Y., 1325
Mrs. R., 1307
R. C., B.Sc., 1303
R. C., Ph.D., 1447
R. R., 1283
R. S., 1332
S. A., 1370
S. P., 1284
S. V., 1265
T. L., 1368
V., 1385
V. R., 1377
V. T., 1374
Deshpande, W. G., 1369
Desilets, Sr. C., 835
Desjardins, E., 832
Rev. R. L., 895
Deslauriers, C. E., 763
Desmarais, A., 766
R., 1553
Y., 759, 760
Desmeules, R., 768, 769
Despande, G. T., 1375
Despres, J. P., 765
Desrochers, F., 860
G., 768
Rev. I., 828
J. L., 831
Desrosiers, J B., 833, 835
L. P., 835
Dessover, F. E., 776
Dessureaux, L., 759
Destroismaisons, L., 764
Désy, J. R. A., 760
Deuchar, E. M , 299
Deulgaonkar, V. P., 1382
Deulkar, D., 1307
Deutsch, J. A., 450
Dev, N., 1311
S , 1445
Dev Burman, D. K., 1439
Deva, A. N., xxx, 1258
Devadas, Mrs. E. P., 1267, 1270, 1309
Devadason, M D , 1355
Devalgaonker, V. P., 1387
Devanarayanan, T. S , 1351
Devanathan, M. A. V., 1451
Devanesan, C., 151, 1351
Devaraja, N. K., 1338
Devarennes, P., 769
Devasahayam, J., 1355
Devasenapati, V A., 1350
Devasia, T. K., 1352
Deve Gowda, A. C., 1361, 1364, 1366
Devereaux, H. L., 792
Deverell, A. F., 903
Devery, P. J., 1043
Devi, M. K., 1388
M. N. S., 1351
Mrs. P. K., 1376
V. S. M. S., 1250
Devi Chaudhurani, I., 1440
Devine, D. M., 652
Devitt, D. C., 1199
Devkar, V. L., 1266, 1269
Devlen, M. T., 911
Devlin, Sir P., 244
T. R. E., 162
Devons, E., 396
S., 258
Devonshire, A. F., 62
Dew, H. R., 53, 514, 1051
Dewagan, A. S., 1369
Dewan, J. G., 933
R. K., 1304
Dewar, A. D., 600
F. P., 934
H. A., 145
L. C., 851
M. J. S., 279, 282, 435, 573
Dewdney, J. C., 128, 130
J. W., 800
Dewett, K. K., 1392, 1395
Dewey, D. L., 301
Rev. M. B., 102
Dewhirst, D. W., 80
Dewhurst, C. J., 509
D. J., 1004
Dewis, G. M., 745, 746
Dewsnap, G. C., 1026
Dexter, C. E , 746
E. F., 746
K. M., 563
Dey, N. C., 1237
W. J , 207
Dhal, G. B., 1436
Dhandapani, B. S , 1353
Dhannalal, 1368
Dhar, A. S., 1329
H., 1466
J. N., 1434
K. N., 1328
L N , 1329
M. L., 1304
P. N., 1305
S., LL.M., 1308
S., M.A., 1296
S. N., 1296
T. N., 1329
Dharap, N. D , 1280
Dharma, K. M., 1264
Dharmarajan, M., 1356
Dharwadkar, R. Y., 1333
Dhawan, G N., 1339
S., 1446
Dhayagude, R. G., 1284
Dheer, Mrs. J. D., 1236
Dhekney, B. R., 1333
Dhillon, H. S., 1394
Dhirasekera, J. D., 1453
Dholakia, H. L., 1264
J. L., 1322
Dhond, M. V., 1333
Dhongde, E. R., 1284
Dhotey, M. G., 1370
Dhruva, I. H., 1324
Dhulappa, N., 1324
Diack, H., 430
Diament, J., 758, 771
Diamond, J., 397
Diananda, P. H., 1512
Diaper, D. G. M., 881
Dias, R. W. M., 92
Dibden, E. H. K., 96, 106
F. A., 985
Dible, J. H., 372, 375
Dick, A. C., 1205
A. P., 92
B. M., 629
Mrs. C. R., 472
D. A. T., 617
G. W. J., 662
J., 645
J. A., 638
J. C., 628
J. G, 911
L. C., 137
M. W., 448, 458
O. H. J., 178
R. S., 1090

Dickens, A. G., 154
F., 339
Dicker, S. E., 306
Dickie, E. P., 644
J. S., 622
W. M., 652
Dickin, H. E , 937
Dickins, B., 79, 98
Dickinson, A. B., 429
A. E. F., 129
G., 315
G. C., 164
H. D., 58, 435
J., 148
Rev. J. C., 103
J. G., 473
S., 90
W. C., 599
Dickison, J. C., 789
Dickon, A. D., 78
Dicks, D. R., 1543
R. E W., 1169
Dickson, Mrs. Alma, 815
Mrs. Anne, 839, 841
A. J., 1118
A. N., 63
B. T., 1076
C. H., 1009
E. W., 141
F., 714
J. M., 436
L. M., 345
M. A. R , 285
R. C., 931
W. F., 602
Dickstein, J., 912
Didolkar, Mrs. S., 1379
Dienes, Z. P., 570
Diesel, A. M., 1170
Dighe, R. S , 1268
S. S., 1269
Digna, Sr. M., 1352
Dike, G. N., 1325
K. O., 1529, 1530
Dikshit, G. P., 1339
H. L., 1338
K. L., 1341
L., 1370
M. G., 1421
N. N., 1229
R. C., 1341
R. K., 1338
T. N., 1338
V. D., 1227
V. K., 1279
Dikshitar, R. C., 1260
Dil, B. S., 1309
Dilke, O. A. W., 619
Dillane, C. W., 927
Dillon, C. T. G., 1785
E. C., 1791
T. J., 277
Dilnot, J., 318
Diltz, B. C., 937
Dilworth, R., 411
Dimbleby, G. W., 443
V., 507
Dimmitt, M. A., 1340
Dimsdale, Mrs. H. E., 345, 370
R., 1480
Din, S., 1479
Dinan, T. J., 1797
Dineen, J. O., 848
Dineley, D. L., 563
Mrs. N., 565
Dingle, H., 308, 313, 593
R. B., 1071
Dingman, Mrs. I., 959
Dingwall, R. W., 875
Dinsdale, D. H., 142
T., 404, 406
Dinsmore, K. M., 955
Dion, A., 765
G., 765
L., 765
R., 861
Dionisotti, C., 246
Dionne, A., 895
L. R., 832
M., 764, 770
Dippenaar, B. J., 1166
J. F., 1168
S. J., 1186, 1189
Dippy, J. F. J., 391
Diprose, R. E., 929
Dirac, G. A., 265
P. A. M., 86, 104
Diringer, D., 95
Dissanayake, S. B., 1454
Dissanayake, M. D., 1451
Ditchburn, R. W., 495
Divatia, Sir H. V., 1321
Divekar, S. M., 1265
Divine, A. A., 285
T. A., 177
Divinsky, N., 809
Diwakar, R. R., 1274, 1401
Diwanji, R. C., 1265
Diwivedi, G., 1225
Dix, V. W., 336
Dixey, R. N., 451, 452
Dixit, I., 1388
R. V., 1331
S. V., 1332
Dixon, A., 1188
A. D., 395
A. L., 463
B., 706
C. W., B.Litt., 233
C. W., M.D., 172
D., 623
Mrs. E., 622
H. A., 931
H. B. F., 102
H. C., 799
H. H., 1780
J. F., 430
J. F. C., 186
K. C., 93, 101
Rev. L. A., 952
M., 80, 102
S. E., 940
W. G., 723
Dixon-Lewis, G., 174
Dlavi, G. R., 1284
Dmochowski, L. L., 171
Doan, F. M., 923
Dobb, M. H., 82, 107
Dobbie, B. M. W., 40
H., 586
Dobbie, J. L., 410
R., 646
Dobbs, C. G., 538
E. R., 281
R. H., 335, 369
Dobby, E. H. G., 1512, 1515, 1517
Dobell, S. H., 774
Dobinson, C. H., 494
Dobrée, B., 163, 435
Dobrin, S., 403
Dobrotworsky, N., 1006
Dobson, C. R., 699
E. J., 139, 442
G. M. B., 448, 464
J. L., 138
R. M , 321
T P., 1001
W. A. C. H., 918
Docking, A. R., 1007
Dockrell, R. B., 1772, 1793
Doctor, B. C., 1266
Dodd, A. H., 538
C., 307
F. H., 496
G. J., 796
J. M., 648
J. N., 1092
Mrs. M. H I., 648
R. E., 137, 151
Dodds, A. E., 1198
Sir C., 339
D. A., 1193
E. C., 1789
E. R., 183, 441, 460
E. W., 1027
J. G., 596
K. S., 389
W., 1020
Dodgson, K. S., 546
M. C. H., 66
Dods, L. F., 1049, 1050
Dodson, L. F., 992
Dodsworth, F., 555, 559
T. L., 586
Dodwell, Barbara, 494
Beatrice, 408
Doe, A. G., 1048
T. E., 1063
Doeringer, C. E., 927
Doggart, J. H., 371
Dogra, R. M., 1392
Doherty, J., 1003
R. A., 871
W. D., 328
Doidge, G. R., 942
P. R., 281
Doig, A. G., 1006
A. T., 588
M., 649
Doiron, L., 890
Doja, M. Q., 1403
Doke, C. M., 1207
Dolan, H. S., 789
M. A., 883
Dolbec, Mgr. R., 758, 759, 766
Dolby, D. E., 388
Dolieb, D. M., 1556
Dollar, A. T. J., 250
J. M., 346

Dollar, W. F., 708
Dolley, L. G. F., 263
Dollimore, D., 644
Dolmage, G., 808
Dolman, C. E., 714
Dolphin, J. W., 881
Doman, H. C., 521
Domar, E. D., 491
Domaradzki, T. F., 827
Domb, C. E., 266
Domey, J. N., 834
Domigan, N., 1091
Dominica, Sr. M., 919
Dominy, J. N., 493
Don, C. S. D., 407
P. A., 1136
Donagan, A. H., 1077, 1078
Donaghy, J., 1555, 1556, 1558
Donahue, A. J., 807
Donald, C., 336, 373
C. D., 1011
C. M., 986
E. F., 696
G., 586, 588
I., 628
K. W., 39
M. B., 302, 310
M. M., 1186
Mrs. M. N., 1112
Donaldson, A., 626
A. K., 625
G., M.A , 807
G., Ph.D., 599
K. I., 1093
R., 625
W. A., 622
Donath, E. J., 1000
Donegan, J. F., 1797
Dongerkery, S. R., 1279, 1288, 1804
Doniach, I., 372
Donigan, M. L., 781
Donnan, B., 700
Donnelly, B., 92
M. S., 738, 810
Donnison, D. V., 399, 422, 936
Donnithorne, A. G., 308
Donohoe, E. F., 756
Donohue, W. L., 932
Donovan, B., 392
D. T., 60
E., 1791
F. P., 1003
G. P., 1049
H., 43
P. F., M.A., 1786
P. F., M.B., 864
T., 1793
T. S., 43
Dontigny, P., 831
Doodson, A. T., 190, 199
Dooley, D. J., 882
Doolin, N., 1787
Doongaji, S., 1307
Doosaj, S. S., 1229
Dorai Rangaswamy, M. A., 1350
Doraiswami, M. S., 1382
S., 1351
Doraiswamy, M. S., 1382
N. V., 1386
Doran, W., 187, 188
Dore, Rev. J. W., 924
R. P., 291
Doreswamy, K. V., 1361
Dorey, M. J., 495
T. A., 502
Dorf, E., 1380
Dorion, E. S., 781
N., 766
R., 760
Dorken, H , 779
Dorkin, C. M. C., 176
Dorland, A. G., 958
Dorman, H. J., 665
Dormer, K. J., 395
Dornhorst, A. C., 358
Dorrance, R. L., 871
Dorris, R., 834
Dorsch, T. S., 315
Dorsey, F. R. J., 696
Rev. J., 919
Dorval, C. H., 769
Dorward, L. F., 582
W. F., 646, 649, 651
Dos Santos, R., 631
Dosekun, F. O., 1530
Dossor, L., 986
Dott, E. F., 603, 607
N. M., 604
W. A., 1007
Doucet, J. L., 766
R., 886
Doucette, A. L., 690, 700
Douch, R., 520
Doudney, E. J., 1101
Dougan, N. K., 1011
R. O., 1776
Dougherty, J. W., 871
Doughty, D. W., 652
Douglas, A. A., 650
A. E., 517
A. H., 906
A. M., 1094, 1095
A. S., M.B., 627
A. S., Ph.D., 108
A. V., 870, 872
D., D.S.O., 652
D., M.A., 60
D. G., 810
D. M., 607
Prof. D. M., 651
G. O., 430
G. V., 744
H. W., 187
J A., 1203
J. B., 1026
J. W. B., 605
Mrs. M. M., 300
R., 684
R. J., 939
S. W., 95
T. A., 618
Douglas-Smith, A. E., 1544
Dougray, T., 41
Douie, D. L., 155
Doull, A. E., 748
J. A., 744
K. M., 1114
Doupe, J., 813
Doust, J. W. L., 933
Douthwaite, A. H., 328
Dover, K. J., 441, 458
Dow, A. W., 651
D. R., 643
H., 1001
J. F., 352
J. G., 157
Dowdell, A., 413
Dower, G. E., 727
Dowker, C. H., 250
Mrs. Y. M., 316
Dowler, G. D., 31
Dowling, G. B., 358
J. J., 1786
Down, C. H., 1006
H. R., 1006
Downer, G. B., 291
L. J., 1070
Downes, H. F., 1012
J. A., 635
M , 71
Rev. W. J., 71
Downey, J. L., 812
Most Rev. R. J., 205
Downie, A. W., 186, 195, 196
C., 504
C. C., 70
D. G., 581
H. G., 942
M , 634
N. C., 1131
Downing, C. C. R., 558
C. G. E., 939
E. K., 558
F., 501
R. I., 1000
Downman, C. B. B., 346
Downs, B., 1070
B. W., 89, 96
W. J., 696
Downton, E. P., 930
H. F., 190
Dowrick, F. E., 1774, 1777
Dowse, C. M., 146
J. L. A., 501
Dowsett, W. T., 1069
Dowsley, B. P., 881
Dowuona, M., 1523
Doxiadis, S. A., 515
Doxsee, Rev. F. A. C., 793
Doyen, R., 770
Doyle, A. I., 130
F. W., 756
J., 647
J., D.Sc., 1785
R. J., 706
R. W., 197
Doyle-Davidson, W. A. G. 163
Doyon, M., 761, 764, 772
Dozois, Rev. L., 865
Drabble, J., 1046
Draegen, Mrs. E., 941
Drake, A. F., 193
B. J., 1099, 1100
E. C. M., 447, 473
F. S., 1504, 1506
H. L., 466

Drake, J. A., 333
K. H , 226
Drakeley, T. J., 390, 391
Dranchuk, P., 695
Drane, N. T., 1043
Dransfield, J. W., 193
Draper, M. C., 484
M. H., 600
Dray, W. H., 924
Draycott, G. K. L., 31
R. J., 31
Drazin, M. P., 108
Dreimanis, A., 958
Drennan, A. J. M., 604
M. R., 1130
Dreosti, A. E., 1204
Drescher, J. A. B., 189
Dresel, L. A. G., 495
Dressler, A., 166
Drever, H. I., 645
J , 600
Drew, G. C., 62
J. P., 1783, 1787, 1789
K. P. A , 620
R. E., 714
Drewe, B. S , 324
Drewery, J., 660
Dreyer, C. J., 1198
M. V., 1153
P. S , 1165
T., 1201
Dreyfus, J. G., 96
Drimer, C., 175
Drinker, P., 386, 670
Drinkwater, R. W., 155
Driscoll, Rev. J. V., 883
Driver, Mrs. A. F. M., 1505
G. R., 454, 463
J. E., LL.M., 400
J. E., Ph.D., 435, 1503, 1507, 1509
Drolet, A., 758
J. P., 763
P., 763
Drought, A. B., 501
Drouin, G., 768, 769
J. P., 767
M., 759, 765
M. J., 764
Rev. P. E., 865
Drover, D. P., 1068
Drower, M. S., 305
Drummond, F. A. B., 626
F. H., 1006
G. F., 716
R J., 557
W. M., 939
Drury, F. S., 287
Drus, E., 250, 994
Dry, F. W., 1118
L. J., 1143
Dryer, D. P., 923
V. L., 720
Drysdale, J., 1198
Du Boulay, F. R. H., 246
Du Plessis, C. v. H., 1151
F. J., 1155
J. S., 1156
du Plessis, D. J., 1155, 1184
F., 1189
du Plessis, G., 1156
Rev. H. J. R , 1155
L. J., 1155, 1156
N , 1178
P. J. J., 1167
S. I. M., 1133
Du Porte, E. M., 792
du Preez, A. B., 1170
D. C. S , 1157
du Toit, C. A., 1186, 1188
Mrs E C., 1174
F., 1203
F. F , 1201
G. T , 1202
H. D. A., 1170
J., 1169
J. B , 1188
J D., 1160
J. G., 1169
J. J., 1167
L. M , 1183
R. M., 1170
S , 1157, 1158, 1159
Du Toit, G. P. J., 1151
J. M , 1188
P. S., 1186, 1190
S., 1155
Du Val, P , 306
P. G., 806
Du Vernet, G. S., 737
Dua, S., 1307
Duarte, 1494
Dubale, M. S., 1322
Dubash, E., 1479
Dube, I. D., 1227
J. P., 1229
K. C., 1377
M. S., 1377
R. D., 1377
S. C., 1383
S P., 1338
Y. M., 1369
Dubé, E., 832
Rev. H., 860, 861
Y., 765
Dubeau, M., 830
Dubey, D. S., 1240
G. P., 1274
K , xxxi, 1368
K. C., 1422
M. G., 1370
P. S., 1224
R. N., 1241
Dubois, Mrs. E. T., 139
Dubreuil, G., 833
Dubrevil, M. H., 792
Dubs, H. H., 454, 468
Dubsky, J., 838
Dubuc, H., 831
Ducharme, G., 831
L., 759, 865
Rev. L., 866
Rev. S., 865
Duchemin, L., 840
Duchow, M., 790
Duck, E. F., 1505
Ducker, S. C., 999
Duckham, A. N., 493
Duckmanton, B., 175
Duckworth, C. R., 245
Duckworth, H. E., 800
J. E., 142
Rev. J. N., 1523
J W. A., 930
W. L H., 100
Dudden, Rev. F. H., 466
Dudding, B. P., 506
E. L., 1108
Dudek, L , 777
Dudgeon, E. H., 737
J. A , 353
W , 598
Dudley, B. R., 425
D. R., 44
F. B., 1019
G. M , 139
Ven. L. S , 1064
N A., 33
Dudley-Buxton, J. L., 363, 364
Dudman, R. A., 142
Duerden, H., 391
Duff, A. M., 531
D. C. B., 714
G. F. D., 923
G. H., 917
G. L , 774, 787
Sir J. F., 121, 127, 134, 1501, 1527
P. McL., 598
P. W , 92, 107
Duffield, J. R., 1199
Duffin, W J., 155
Duffy, A. E. P., 177
J. L., 960
Dufour, Rev P., 861
Dufresne, A. O., 762, 763
G., 779
Abbot J., 838
L., 760
O., 832, 836
R., 830
Dugal, J. P , 768
L. P., 766, 772
Duggan, A. R. H., 1050
C., 265, 267
G. L., 692
H. E., 698
J. W., 697
L. M., 1791
Dugmore, Rev. C. W., 399, 414
Duguay, J., M.Sc., 759
J., M.For., 762
Rev. R., 866
Duguid, H. L. D., 587
I. M., 580
J. B., 146
J. P., 602
Dugwekar, G. R. S , 1229
Duhamel, R., 825, 827
Duhigg, J., 1019
Duhr, Rev. J., 1283
Duignan, M. V., 1796
Duke, A., 81, 109
C. G., 690
Duke-Elder, Sir S., 307, 353, 371
Dukinfield, C. E., 415
Dulhunty, J. A., 1044

Dullforce, W. M., 429
Dulmage, A. L., 882
H. A., 799
Dulong, G., 763
Dulverton, Lord, 57
Dumais, L., 761
Dumas, J., 1266
P , 830
Dumbell, K. R., 195
S., 186
Dumbreck, J C., 403
Dummer, M. H., 533
Dummett, M. A. E., 448, 457
Dumont, F., 760
L. C J , 439, 450
Dumouchel, G , 762
Dunachie, J. F , 640
Dunbabin, T. J , 439, 457
Dunbar, A. C , 941
D. N. F., 531, 1004
J., 629
J. M , 649
M., 780
N. V , 597
W. B., 927
Duncan, A , 285
A. A. McB., 670
A. M. M., 599
A. R. C., 873
A. S., 556
C. C , 940
C. J., 146
D. C., 592
D. S., 305
E., 1777
G. A., 1771, 1774
G. G., 1098
Very Rev. G. S., 1501
James, 643
J , M Sc., 758
J. F., 1000
J. P , 981
J. S., 399
M. W., 721
N. F., 697
R., 1019
T. A. W., 808
W. G. K., 983
W. J., 625
Duncan-Jones, A. E., 36, 69
E., 33
Duncanson, A., 584
W. E., 307, 1527
Duncombe, W. G., 496
Dundas, J. D., 1333
R. H., 459
Dundass, R. P., 781
Dundee, J. W., 194
Dunell, B. A., 715
Dunford, W. J., 59
Dunham, K. C., 128, 435
W. L., 53
Dunkin, A. C., 318
A. C., N.Z., 1118
F. J., 1787
H. H., 1008
Dunklee, D. L., 807
Dunkley, R. E. L., 503
Dunlop, D. M., M.A., 94
Dunlop, D. M., M.D., 605, 606
E. M., 144
G. M., 690
H. W., 876
Dunn, C. J., 291
C. W., 919
E., 611
H. A., 919
J., 1069
J. S. C., 699
L. J., 1062
M. D , 644
P. N., 585
R. E., 199
R. H., 1003
T. A., 1524
T. M., 301
Dunne, J., 1787
Dunning, Hon. C. A., 870
J. H., 518
Mrs. K. W., 58
Rev. T. P., 1786
W. J., 58, 76
Dunphy, M. J., 1025
Dunscombe, J. L., 560
Dunsdorfs, E., 1000
Dunsheath, P., 207
Dunsire, A., 563
Dunstan, W. J., 1024
Dunston, A. J., 1044
T., 1175
Dunsworth, F. A., 749
Dunwell, W., 392
Duplessis, J., 832
Dupont, V., 53
Duprat, J. T., 860
Dupuis, L. A., 758
P. A., 759
Duquette, D. D , 706
Duraikannoo, P., 1357
Duraiswamy, M. S , 1253, 1256
Duras, F., 1004
Durbin, J., 273
Dureja, G. D., 1303
Durgaiah, P., 1386
Durham, Bishop of, 121
I. L., 70
Durie, T. B. M., 602
Durivage, J , 831
Durnford, A. M. I. A. W., 959
H. G. E., 101
J., 194
Durnin, J. V. G. A., 623
Durr, G. A., 205
Durrani, M. A., 1488
U., 1237
Durrant, A., 532
F. T., 392
G. H., 1143
P. J., 105
R. G., 1092
Durward, A , 160
Dury, G., 250
Dussault, R., 830
Dustoor, H. P., 1306
P. E., 1240
Duthie, Rev. C. S., 597
E. L., 563
G. D., 584
Duthie, G. I., 582, 777
J. J. R., 604, 607
O. M., 408
R. J., 587
Duthoit, M., 503
Dutt, A. K., 1295
D., 1393
G., 1339
M., 1305
M. K., 1311
N., 1291
P. N., 1303
R., 1258, 1259
S., 1247, 1251
Mrs. S., 1343
S. K., M.A., 1292
S. K., M.Sc., 1339
Dutta, A. K., 1276
A. K., D Sc., 1435
B. N., 1225
D. N., 1436
G. C., 1471
I., 1276
K., 1397
R. L., 1447
R. L., Dacca, 1466
S N. 1339
Dutton, G. G. S., 715
G. J. F., 647
J , 552
Duval, A., 766
R., 761
Duvall, A. E., 602
Duvenage, J. P., 1156
Duxbury, V., 414
Dvorkin, J., 696
Dwarka, D. V., 1384
Dwarkadas, R., Osmania, 1389
R., 1279
Dwarkanath, V. R., 1371
Dwight, T. W., 920
Dwivedi, H. P., 1259
K. D., 1224
R. S., 1222
V. N., 1341
Dworkin, S., 779
Dwyer, F. C., 197
F. P. J., 1042
Dyason, D., 1002
Dyce, K. M., 287
P. J. B., 602
Dyer, A. J., 1004
D. G., 399
F. G , 131
L M., 519
W. V., 1118
Dyke, S. C., 42
Dykes, A. R., 638
F. J., 106
Rev. K. C., 414
P. de K., 91, 101
Dyllon, M., 1017
Dymond, J. R., 926
W. R., 737
Dympna, Mother, 1012
Dyos, H. J., 569
Dysart, Rev. H. E., 755
Dyson, F., 256
H. V. D., 442, 464
W. P., 79

Eaborn, C., 568
Mrs. J., 569
Eade, R. A., 1024
Eades, R. G , 539, 723
Eadie, S. P., 607
Eady, E. T., 258
Eager, R. L., 903
Eagle, B. A., 1196
E. C., 430
Eagles, B., 713, 714, 716, 720, 724
Eaglesham, E. J. R., 128
Eaglestone, A. A., 510
Eagleton, W. G., 1361
Eakin, R. I., 1050
Eales, J. D., 1011
L., 1135
Eames, A. J., 1060
J. V. H , 190
M. A., 922
Eardley, C M., 980
Earl, R O , 870
Earle, A. E., 62
J. A , 1007
Early, D. F. M., 67
Earnshaw, D. G., 1557
J , 531
J. B., 1108
Earp, A. J , 1543
J. W., 96
Eashwaran, E , 1372
Easson, Rev. D E., 167
E. C., 410
L. H., 603
East, C. F. T , 331
M. A., 493
W. G., 250
East Bengal, Gov. of, 1465
Easter, B. H , 1544
Easterbrook, W. T., 925, 1800
Easterbrook-Smith, W. H. B., 1112
Eastham, J. W., 730
L. E. S., 505, 1501
Easthope, C. E., 532
Eastman, H. C., 925
N J., 963
Mrs. S. P., 519
Easton, H. C., 403
I. C., 638
I. D., 650
Eastwood, A. B., 183
B. J., 690
R. A , 400, 418
W., 506
Eaton, D. C., 746
H. M., 746
J. C , M.A., 639
J. C , M.B , 628
J. D , 822
R. S., M.A., 413
R. S., Mus.B., 691
Eaves, G., 169, 172
Eayrs, J. T., 29
Ebbisham, Rt. Hon. Lord, 286
Ebbs, J. H., 932, 936, 945
Ebbutt, Rev. A. J., 839
Eberhard, S. T., 981
Eberle, A. W., 1022
Ebes, K., 1529
Ebling, F. J. G., 505
Eccles, F. Y., 245
J. A., 938, 941
J C , 993
W. J., 809
Eccleshare, C. F., 96
Eckhoff, N. L., 328
Eckstein, P., 28
Eddey, H. H., 1011
Ede, R. A , 205
Edels, H., 194
Edelstein, J. M., 1202
L , 491
Eden, A., 138
Rt. Hon. Sir A., 28
E., 1042
J., 725, 727
R. J., 97
W. A., 300
Edey, H. C., 270
Edgar, R , 1110
Edge, G A., 935
J , 251
W. L., 599
Edgeloe, V. A., 422, 980, 991
Edgett, G. L., 872
Edgley, R. W , 1100
Edholm, O. G., 392
Edinburgh, H R H the Duke of, 313, 525, 595
Edis, A. R., 783
Edison, G., 924, 951
G., Camb., 105
Edkins, Mrs. N., 246
Edmison, R S., 781
Edmiston, E. S , 1031
H. K., 1071
Edmond, A. D., 582, 589
H. P., 882
Edmonds, C. J , 292
F. F. C., 118
J. M , Camb., 100
J. M., Ox., 444
S. J., 984
S. M , 109
Edmondson, A. S., 285
F., 33
Edmunds, F H., 904, 906
H. G., 397
I. G., 413
P. N., 602
Edney, E. B., 38
Edozien, J. C., 1530
Edson, N. L., 1089
Edward, F. A., 781
J. T., 1772
Edwardes, H. N. 1026
Edwards, A. R., 661
B. A , 265
C., 301
C. W., 519
D., 640
D. A., 447
D. B. G , 397
D. L., B.A., 458
D. L., D.I.C., 565
E., 188, 191
E. D., 294
E. E., 1525
E. M., 66
Edwards, E. P., 1198
E W , 545
F J., 397
F R., 197
G , 352
G. F., 170
H. C., 332
H. M., 871
H. R., 1043
H. T., 510
H. T. J., 984
J A. C., 43
J. A. M., 815, 819
J. B. S , 519
J. F., 873
J G., 239, 631
J. L , 509
J. L. J., 659
K., 583
K. C., 321, 426, 436, 573
K. F., 874
L. P., 848
L. S , 1026
M. H , 882
M. M., 428
O H., 662
P D , 1036
P. F , 188
P. M., 1529
P. M. H , 718, 724
P. W , 33
R., 503
R. A., 1025
R. A., B Sc., 611
R. D , 1786
R. E , 251
R. L., 156
R. S., 270, 533
S. F , 35
T., 1198
W. A., 1070
W B , 136
W. G. H., 1089
Rev. W. X., 889
Edwardson, T. E , 443
Eeman, D. F , 379
Egan, K. M., 233
Egenes, R. J. J., 1143
Egerton, G. S., 412
R. A. D., 658
Eggar, M. A., 1027
Eggers-Lura, F., 1513
Egginton, A. J., 307
Eggleston, H. G., 86, 554
W., 738
Eggleton, M. G., 307
Eglinton, G., 619
Ehlers, W. W. T. H., 1026
Ehrenberg, Mrs. M., 251
V. L., 245
W., 251
Ehrenfels, Baron U. R., 1348
Ehrhart, Rev. X., 1351
Ehrlich, C., 1535
Eichholz, D. E., 58
Eichner, H., 872
Einhorn, H., 1134
Eise, I. G., 1107
Eiselen, G. T. S., 1157
Eisenschitz, R. K., 281

Ekambaram, S. K., 1362
el Darir, S. S. M. el A., 1557
El Ghandour, A. A. W., 1557
El-Housseini, A. M. A., 1487, 1489
el Kassas, M. A. F., 1556
El Tayeb, A., 1556
Elahi, M. M., 1480
Elam, C. W , 193
Eland, G. M., 234
Elarth, H. A., 807
Elcock, E. W., 584
W. D., 315
Elder, A. T., 691
H. M., 640
N. C. McA , 450, 468, 469
R., 648
Elderkin, F. J., 683
Eldridge, A. A., 255
Elek, S. D., 352
Eley, C. E., 510
D. D., 424
Elford, F. G., 1011
W. G., 983
Elgar, W H., 90
Elgood, J. H., 1528, 1529
Elhance, D. N., 1240
Elias, N., 570
Eliasson, G., 807
Eliezer, C. J., 1452, 1457
Elix, D. L., 981
Elizabeth, H.M. Queen, 28, 57, 153, 160, 186, 207, 254, 279, 290, 394, 424, 492, 501, 517, 525, 657, 670, 1509, 1519, 1542, 1545
Elizabeth, H.M. The Queen Mother, 244, 249, 252
Elizabeth Clare, Sr., 844
Elkan, W., 1536
Elken, A , 928
Elkerton, L. E , 935
R. W., 90
Elkes, C. E., 40
J. J., 40, 382
Elkin, A. P., 1042
F., 780
P. K., 1026
Elkington, J. St C., 359
Elkins, T. H., 265
Ellam, A. H., 30
Ellen Francis, Sr., 844
Ellenby, C., 141
Ellington, J. P., 425
Elliot, A. J., 932
F. J., 609
G. R. F., 727
H., 258
J. A., 728
Elliott, A. H., 473
A. V. P., 235
B. R., 982, 991
C., M.A., 545
C., Mus.B., 840
C. A., 100
D. W., 400
E. L., 1090
F. A., 324, 370
F. G., 696
G. A., M.A , 925
Elliott, G. A., M.D., 1200
G. A., Ph.D., 1068
G. G., 1134
H. A., 882
H W., 786
J. F , 696
J. R , 1062
K A. C , 775, 786
M. R , D.C.L , 683
M. R., D.P.H., 813
N. E., 96
R. B., F G.S., 426
R. B., M.Sc., 1774
R. W. V., 575
S. D , 95
T., 1515
T. H., 1512
W. H., 439
Ellis, A R., 1513
B. C , 1202
C., 69
C. E , 189
D. M., 521
D. S , 506
D. S , M.A., 870, 871
E., 144
F., 257
G. N., 698
G. R., 195
H. W., 872
J. H., 811
J. N , 1047
J. O , 154
J. R., 335
K. L., 128, 131
M., 173
M. P., 372
R. G , 929, 945
R. H., 941
R. W. B , 514, 603, 607
S., 163
S R. M , 32
V. H., 382
Ellis-Fermor, U. M , 245, 248
Ellison, F. R , 284
L., 728
T. H , 97
W., 533
Ellsworth, Rev. R. G , 886, 887
Ellul, S , 1521
Ellyett, C. D., 1101
Elmes, B. G. T., 1536
R. S., 138
Eloff, D. J., 1158
F. C., 1165
G., 1152
H. P., 1146
J. F., 1165
Elowe, L. N., 936
Elphick, B. L., 1115
F. J., 609
Elsden, S. R., 509
Elton, Lord, 467, 483
C. S., 451, 460, 486
G. A. H., 391
G. R., 85
L. R. B., 266
Eltringham, G. J., 430
Elvery, R. H., 302
Elvidge, A. R., 786
J. A., 255
Elvin, N. L., 812
Elwell, R. W. D., 265
Elwell-Sutton, L. P., 600
Emanuel, E., 788
Emary, J. E., 1131
Embree, Rev. A. T., 1226
Emeleus, K. G., 660
Emeléus, H. J., 80, 106, 435, 1016, 1074, 1098
Emerson, A., 140
J. N., 917
L. H. S., 235
Mrs. M., 1294
Emerton, Rev. J. A., 129
Emery, D. W., 33
E. W., 407
F. E., 1005
F. V., 551
J. L., 509
W. B., 302
Emmens, C. W., 1046
Emmerson, J., 648, 649
K. A. M., 1003
Emmet, D. M., 401
Emmett, D., 540
Mrs. D. S., 1139
Emmons, H. W., 422
Emory, F. H. M., 935
Empey, E. L., 692
Empson, W., 503
Emran, M., 1468
Emslie, J. W., 630
Emslie-Smith, A. H., 144
Mrs. M., 144
Encel, S., 1005
Endacott, G. B., 1504, 1506
Endean, R., 1034
Endicott, N. J., 919
Enever, R. J., 456
Engel, C. R., 960
Engel de Janosi, A. H., 461
Engelbert, V. E., 926
Engelbrecht, B. J., 1170
F. M., 1188
J. A., 1162
S. P., 1170, 1171
Engholm, Mrs. E., 1535
G. F., 1535
Engineer, A. D., 1222
England, B. D., 1528
Engle, E. T., 53
Engledow, Sir F. L., 90, 104, 1548
English, H. B., 1140
H. E., 737
P. B., 1034
Engnell, K. I., 422
Ennor, A. H., 992
Enoch, H., 1351
I. C., 1511
Rev. S. I., 526
Enoki, K., 296
Enright, D. J., 55
Ensell, F. J , 57
Enslin, C. N., 1134
J. F., 1151
Entwisle, A. R., 505
Entwistle, K. M., 401

Epp, M., 695
Eppel, E. M., 220
Mrs. M., 220
Epstein, I., 389, 393
N., 715
Erasmus, D. A., 547
D. P., 1156
J. F. P., 1136
O. C., 1153
Erbe, W., 1804
Erdman, E., 692
K. L., 723
Erdos, P., 949
Ereaux, L. P., 781, 785
Ericksen, R. F. S., 1002
Eriksson, A. W. E., 693
Erith, A G , 492, 497
Erlam, H. D., 1095
Erlank, W. J. du P., 1186
Eros, J. S., 576
Erskine, C. A., 1771
Erteza, A., 1468
Ervin, A. H., 746
Escarpit, R., 53
Eschmann, Rev. I. T., 833, 924
Escritt, C. E., 457, 484
Eshelby, J. D., 35
Esher, F. J. S., 508
Esler, A. E., 1114
Esmonde-White, E F., 1132
Espie, J. R., 1069
Espinasse, Mrs. M., 154
P. G., 155
Essam, J. M., 414
Essauloff, A., 1310
Mrs K., 1306
Essenhigh, R. H., 507
Essery, I. T. S , 32
Estall, H. M., 873
Esteller, Rev. A., 1283
Esterhuizen, A. C., 1188
Estermann, T., 306
Etherington, D., 393
I. M. H., 599
Ethier, W., 760
Etkin, B., 927
Ettinger, G. H., 870, 875
Ettlinger, L. D., 242, 493
Ettori, J., 857
Etty, J. L., 500
Etzine, S., 1200
Euden, W. B. E., 267
Eustace, H. J., 1775
J. L., 984
Eva, I. M., 1116
Evans, A. A., 176
A. B., 366, 371
A. G., 543
Mrs. A. K. B., 569
A. M., 728
Alice M., 533
A. R., 557
B., 556
B. I., 299, 631, 1733
B. R., 551
C. D., 64
Rev. C. F., 455, 460
Sir C. L., 287
D., 557
Evans, D. A., 140
D. G., B.A., 1044
D. G., Ph.D., 406
D. H., M.A., 280
D. H., M.Sc., 532
D. Hywel, 165, 177
D. H. L , 299
D. L., 1182
Rev. D. L. T., 526
D. M. D , 507
D S., 552
Sir E., xxix, 525, 537
E., M.A., 544, 547
Edith, 174
Ellen, 560
E. C., 1512
E. E., 659
E. G. S., 520
E. R., 543
E. T. R , 95
E. V., 940, 942
E. W., 60
F I., 198
F T., 349
G., 533
G. C., 80, 105
G. C D., 557
G. F., 560
G. L., 257
G. R , 535, 600
G. W., 551
H., 1199
Sir H , 336
H. B , 44
H. G. J., 280
H. G. V., 721
I., 530
I A., 1033
I. M. P., 471
J. B., 493
J. C., 916
J. D., 1048
J. D., Camb., 103
J. Ll., 546
J. R., 815
J. W., 401
K. M., 544
L. P. J., 41
L. W., 544
M., 582
Marie, 39
M. D. A., 556
M. G., 422
M. W., 984
N. H., 251
P. A., 129
P. C. C., 235
P. R., 327, 369
R., B.Sc., 156
R., M.D., 39
R. A., 540
R. C., 87, 104
R. E., 90
R. G., 540
R. G., Ph.D., 574
R. H., D.Sc., 175
R. H., M.A., Wales, 544
R. H., Leic., 569
R. M., 196
Evans, R. W., 196
Rev. S. H., 322
T., 545
W., 336
W. A. L., 547
W. B., 1202
W. C., B.Pharm., 427
W. C., Ph.D., 540
W. D., 426, 431, 436
W. E. D., 325
W. H., B.A., 872
W. H., B.Sc., 191
W. H., Ph.D., 507
W S., 515, 635
Evans-Pritchard, E. E., 439, 457
Eve, Sir M. T., 352
Evelyn, K. A , 725, 775
Evennett, H. O , 85, 107
Everall, J. D., 170
Everard, C. E., 280
Everett, A. E., 364
D., 286, 491
D. H., 58
Evers, H. H., 145
Eversley, D. E C., 31, 34
Eveson, G. F., 36
Evetts, L. C., 139
Evison, V. I., 250
Ewan, A. W , 1178
Ewart, A. M., 472
C. R., 1006
Ewen, D. R., 1556
W. T., 941
Ewens, F. G., 928
Ewer, D. W., 1179
T. K., 1034, 1037
Ewert, A., 450, 468
Ewing, A. C., 87
A. W. G., 406
J. B., 864
M. R., 373
N. R., 32, 54
R. M., 1483
Ewins, U. E., 569
Ewles, J., 166
Exley, K. A., 165
Exner, Mrs. H., 723
Eyden, J. L. M., 428
Eyre, S. R., 164
Eyre-Brook, A. L., 67
Eysenck, H. J., 308, 372
Ezekiel, M., 1324
Ezhuthachan, K. N., 1350

Faber, Sir G. C., 457
L. P., 1137
T. E., 88, 98
Faberlan, H. A., 1199
Facey, J. M. C., 822
Fackenheim, E. L., 923
Fadnavis, P. K., 1370
Fadnis, B. S., 1389
Faessler, C., 762
Fagan, K. J. B., 1052
Fage, J. D., 1524
Fagg, S. V., 413
Fahey, Rev. J., 1012
Fahl, A. E., 941
Fahmy, E. C., 606

Fahrni, B. M., 725
G. P., 814
W. H , 728
Fahy, E. F., 1792
M. J., 1797
Rev. T., 1796
Faichney, P., 412
Fail, H., 142
Faiman, I. O., 1136
Faine, S., 1089, 1098
Fair, E. J., 582
Fairbairn, D., 792
J , 599
J. W., 297
L. A., 191
R. G. P. S., 1293, 1298
W., 601
W. J., 520
W. J. G , 1142
W. M. 622
Fairbank, T. J., 92
Fairbridge, R. W., 1070
Fairbrother, F., 396
H., 257
J. A. V., 1144
R. W., 409
Fairburn, A. R. D., 1107
F. K., 1146
Fairclough, H. D., 563
Fairhurst, H., Ph.D , 620
H., Aust., 986
R., 193
Fairley, B., 921
E. S., 639
J. M., 648
Sir N. H., 1051
Fairlie, A. A B., 84, 109
M., 649
Fairman, H. D., 64
H. W., 187, 189, 297
M., 626
Fairs, J. R., 959
Fairweather, A. M., 600
Rev. E. R., 924, 951
Faithfull, R. G., 190
Fakhruddin, M., 1383
Fakhruzzaman, Mrs. U., 1235
Fakhry, M., 292
Falardeau, A , 761, 770
J. C., 765
Falcke, H. C., 1199
Falconer, A. F., 645
C. D., 1518
C. W. A., 608
J. S., 146, 148
Falk, J. E., 301
W. D., 1004
Fall, J. V., 1069
Fallero, L. A., 1537
Fallis, A. M., 934
Fallon, R. H., 911
R. J., 195
Fallot, P., 253
Falls, C. B., 491
G. P., 1025
Falmouth, Visct., 254
Famby, T. P., 1253
Fan, K. Y., 1036
Fanconi, Prof., 151
Fang, H., 1506
Fanthom, D , 1228
Fanthorpe, E., 589
Farahat, K. H., 504
Fareed, Q. M., 1475
Fargher, R., 444, 470
Faribault, M., 824, 829
Faridi, B., 1386
M. U., 1222
Fariq, K. A., 1303
Faris, D. W. G., 1516
J. A., 660
Farish, J., 620
Farley, F. J., 1108
Rev. G. W., 1797
R. E. G., 1544
Farlow, P. N., 203
Farmer, A. W., 934
B. H , 84, 105
E. D., 193
F. A., 792
F. T., 144
Rev. H. H , 82, 103
Farnell, G. W., 783
Farnie, D. A., 1144
Farooq, M., 1233
M. O., 1233
S H., 1383
Farooqi, A. J., 1384
B. A., 1480
L. A., 1382
M. A., 1337
M. A. H., 1333
M. M., 1236
M. T , 1488
Farooquee, Q. H., 1234
Farquhar, D., 1111
H. G., 195
J. B., 171
J. W., 603
Farquharson, E. L., 606
I. M , 607
R , 719
R. F., 931
Farr, D. M. L., 738
Rev. G., 414
J. T., 814
Farran, C. d'O., 190, 515
Farrar, Mrs. K. R., 396
R. F., 319
Farrell, B. A., 448
B. H., 1107
J., 156
J. H., 143
J. K., 859
M. J., 83
R. B., 1022, 1044, 1054
Farrent, T. A., 981
Farrer, Rev. A. M., 455, 468, 593
B. H. P., 1143
Farrington, B , 550
Mrs. E. M., 1793
I. E., 617
S. W., 1791
Farrugia, P., 1519, 1521
Faruqi, K. A., 1309
Farvis, W. E. J., 598
Faseeh, S. A., 1479
Fassler, J., 1193, 1205
Fastier, F. M., 1094
Fatehally, R., 1422
Fatima, B., 1329
Fatmi, A. M. A. R., 1470
Fatt, P., 993
Fatti, L., 1204
Faucher, A., 765
M., 693
Fauconnier, R. L., 872
Faulkner, G. H., 746
T. E., 646
Faulks, P. J., 586
Faull, W. B., 288
Fauq, M. H. Q , 1468
Fausett, V. M., 1108
Fauteux, Hon. G., 867
N., 828
Faviga, T. O., 1528
Favre, A. C., 569
H., 825
Favreau, C , 832
G., 858
Fawcett, C. H., 319
Mrs. E. C. H., 140
S. G. M , 999
Fawcus, W., 125
Mrs W., 125
Fawzi, S. E. D., 1556, 1558
Fayuz-ur-Rahman, 1480
Fayyaz-ud-Din, 1479
Fazekas de St. Groth, S. N. E. E , 992
Fazil, M., 1488
Fazl, S. A., 1382
Fazluddin, M , 1388
Fearn, H , 1536
M. L., 250
Fearon, W. R., 1770, 1771, 1775
Feasby, W. R., 933
Feather, N., 600
N. T., 1020
Featherstone, H. L., 430
H. W., 38
R. E., 999
Fecteau, R., 833
Fee, A. D., 690
Rev. T., 1783
Feeney, N., 785
Feetham, Hon. R., 1193
Feggetter, G. Y., 147
Fehr, Rev. R. C., 924
Feilding, Rev. C. R., 951, 952
Feindel, W., 787
Fekete, E. B., 59
Feldberg, W. S., 306, 392
Feldman, D., 1198
G. V., 407
M., 1201
Feldstad, E. J., 725
Fell, H. B., 704, 949, 1112
R. E., 430
W. A., 92
Fellowes, H. L., 474
Felman, N., 1199
Fels, S. S., 784
Feltham, P., 174
Feneley, G. L., 64
Feng, P., 1544
Feniak, Mrs. E., 811

Fenn, G W , 570
H. R. B., 327
N. D., 739
Fennah, R. G , 1549
Fennell, J. L. I., 428
Rev. W. O., 954
Fenner, F. J., 992
Fensham, F. C., 1188
Fenson, K. G., 718
Fenton, A. G., 1064
Y., 700
Ferguson, A. E., 942, 1008
A. S., 593
A. W., 70
C. C., 814
F. L., 939
F. R., 407, 408
G. A., 779
G. S., 608
G. V., 1662
H. H., 648
I. D., 623
I K., 912
J., 151, 279
J. G., 648
J. K. W., 932
J. R., 912
J. W., 589
M. H., 813
Rev. O., 896
R., 781, 784
R. B., 809
R. M., 903
T., 629
T. M., 430
W., 638
W. A., 730
W. J. W., 510
Fergusson, D. C., 601
J. D., 383
M. B., 132
Fergusson-Stewart, V. A., 1069
Ferland, A., 833
P., 829
Fernand, V. S. V., 1530
Fernandes, F., 1283
H., 1265
Sr. J., 1354
Fernando, A. C., 1455
B. N. D., 1456
C. F., 1455
H. M. A. B., 1453
P. B., 1455
P. E. E., 296, 1453
S., 1455
W., 1453
W. M. G., 1454
Ferns, H. H., 904
H. S., 34
Ferrar, W. L., 447, 461
Ferraro, V. C. A., 280
Ferriday, E. G., 1105
Ferris, G. E., 1027
Ferron, M., 831
Fessler, H., 425
Festenstein, G. N., 1196
Feuchtwanger, E. J., 520
Few, L., 306
Feyer, D. M., 391
Fforde, J S., 474
Fichardt, T., 1169
Fichet, Mrs. J., 833
Fick, J. R. G , 1178
Fickling, B. W., 342, 352
Fiddes, F. S., 603
I. H., 724
J., 505
Fiddian, I. P., 1011
Fidelis, Sister M., 1430
Fidlar, E., 949
Fidler, A., 863
H. K , 727
N. D., 935, 945
Field, E. J., 57
F., 716
G., 35
G D., 1131
G. W., 921
H. E., 1099, 1103
Fielden, F , 136
Fieldhouse, A. E., 1111
D. K , 1100, 1102
H. N , 774, 778
Fields, D B., 715
Fife, C. V , 1119
I. G., 1102
Fifoot, C. H. S., 452, 458, 461
E. R. S., 176
Figueroa, J. J , 1542
Files, H. G , 777
Filion, J , 829
Fillenz, M., 449, 474
Fillion, E , 763
Filman, C. C., 940
Filmer, A J., 882
Filteau, G., B.Sc., 759
G , M.Sc , 759
Finberg, H P. R., 569
Finch, E , 508
Sir E , 508, 514
M. E., 1071
R. D. C., 920
R. G., 659
T. F , 1549
Fincham, J. R. S., 569
Findlay, J., 626
J. A., 542
J. N., 266
M., 1203
W., 804
Finean, J. B., 42
Finer, S. E., 576
Fink, P. T., 254
Finkelman, J., 922
Finlay, A. H., 717
C., 1002
G. F., 1046
Finlayson, C. P., 609
D. A., 648
D. M., 584
L. H., 38
Finley, J. H., 456, 459, 1800
Finn, E., 1011
O. A., 649
Rev. R. W., 904, 905, 907
T. G., 690
Finnan, E. J., 659
Finnegan, T., 662, 666, 1776
Finney, D. J., 585
Finney, H., 493
Finnie, J. G., 911
Finnigan, Mrs. J. P., 651
Finnis, M. M. S., 983
Finter, N. B , 119
Finucan, H. M., 1033
Firdosi, A. H., 1225
Firman, R. J., 426
Firstbrook, J. B , 879
Firth, C. G., 990
G. G., 1062, 1065
J R., 293
R. W., 270
Fisch, H , 163
M. H., 1804
Fischberg, M., 451
Fischer, H. K., 1026
Fiset, P. E., 766
Fish, F , 640
N. A., 941
Rev T., 403
Sir W., 355
Fishel, B., 316
Fisher, A J. C , 1107
A. M , 934
A. R., 63
C. A., 569, 573
C. M., 787, 788
D J. V., 85, 100
E W., 630
F J , 271
F. J. F., 999
H. A. P , 457
H. J , 556
J , 811
J. G , 770
J. H., 961
Mrs. J. M., 930
K. C., 926
L. R., 496
M , B.Sc., 318
M , M.B., 1198
M. G., 602, 612
M. R., 83
M. S , 257
O. D., 662
P. F., 882
Sir R. A., 84, 99, 1016
R. B., D.Phil., 439, 469
R. B., M.A., 1032
R. F., 263
R J., 300
R. J., B.A., 706
T. N., 406
W. B., 128
Fisher-Jeffes, D. L., 1199
Fishwick, W., 598
Fisk, A., 355
A. G., 1380
G. H., 785, 790, 794
G. V., 929
P. R., 83
Fisken, A. D., 928
Fitton, C. F., 913
E. P., 160
J., 664, 665
Fitton-Brown, A. D., 537
Fitzgerald, H. W., 1093, 1094
P., 1788
FitzGerald, C. P., 994

FitzGerald, D. P. J. M., 1785
O., 1788
R. C., 305
Fitzgerald-Lombard, J. C R , 127
Fitzgibbon, G., 1772
FitzGibbon, G. M., 67
Fitzhardinge, L. F , 994
FitzHerbert, J. A., 981, 991
Fitzpatrick, E. A., 585
K. E., 1002
M. M., 872
P. F., 1793
R. J., 66
Fitzsimmons, F. S., 684
Fitzsimons, R A., 325
Flack, G E., 424
Flahiff, Rev. G. B., 918
Flanagan, Rev. J G., 1792
L., 1787
Flanders, A D , 446, 491
Flasdieck, H , 183
Flavell, G , 336
Flay, A H., 1114
Fleet, A. L., vi, xxxiii
W. F , 392
Fleischmann, A. G., 1792
M., 137
Fleishauer, C. P., 737
Fleming, A , 371
C E., 509
C. J., 1146
C. M., 234
D. S., 785
I., 589
J. A. C., 359
J. B., 1775
J G., 1076
J. M., 59
J. P., F R.F.P.S , 629
J P., M S., 1052
K. O., 728
M , 258
M. A., 494
R., 297
R. A. P., 747
R. H., 925
R. J , 1204
R. W., 1558
W. B., 1010
W. E., 1007
Flemington, Rev. W. T. R., xxx, 839, 854
Flemming, A. A. G , 68
C. W., 363
W., 569
Flenley, R., 921
Flentje, N. T., 987
Fletcher, A , 190
B. A., 59, 69, 76
C., 233
E. T. D., 345
F. T. H., 189, 1805
G. B. A., 137
G. C., 564
H., 416
J. R., 929
R., 246
R. A., 445, 468
R. M., 1068
Fletcher, W. W., 632
Flett, T. M., 190
W. R., 639
Fleure, H. J., 304
Flew, A. G. N., 576
J. D. S., 362, 371
Flewett, T. H., 169
Fliess, H., 928
Flinn, D., 189
M. W., 585
Flint, A. R , 256
D , 617
E. A., 153
E. H., 1033
F O., 175
H. E , 1543
H T., 245, 248
J. E , 265
Flitcroft, Rev. J., 400, 414, 420
Flood, P. E , 707
W. E., 32
Floodgate, G. D , 640
Flook, A J., 648
Flore, R F., 913
Florence, D. E , 690
Sr. M., 1403
P. S , 30, 54
Florey, Sir H. W., 453, 462, 1518
Floud, Mrs. J. E , 235, 275
Flower, C. J., 96
N. C., 425
Floyd, H. C , 1131
W. F., 340
Fluchère, H , 486
Flugel, J. C., 308
Flynn, A. E., 853
J., 760
J. A. F., 1060
M., 914
M. R., 1047, 1051, 1052
Foakes, R. A., 128
Fockema, R. A. P., 1195
Foenander, O. de R., 1000
Fogarty, Rev. D., 899
J. P., 1791
M P , 545
Rev. W. P., 889
Fogg, G. E., 301
W , 531
Foggan, D., 146
Foisy, J. P., 830
Folan, M. E., 1797
Foley, A. J., 1528
A. R., 767, 826
P. A., 1772
T., 738
W. B , 453
W T , 889
Foley-Taylor, E., 1136
Folinsbee, R E., 691
Folkes, B F , 58
Folkierski, A., 258
W., 60
Folley, R. R. W., 318, 321
S. J , 496, 670
Folliet, J., 772
Folscher, W. J., 1145
Fone, D. M., 457, 484
Fong, L. T., 1509
Fonseka, E. L., 1451
Fontaine, H., 762, 772
J. N., 829
L., 767
R , 830
Foo, Y. Y., 1515
Foord, B. G., 125
T. R., 625
Foot, A. S., 496
M. R. D , 450
Mrs. P. R., 448, 472
Foote, I. P., 450
P G., 308
W. R., 787
Footman, D. J., 471
Foran, M. R., 853
Forbes, B. R. V , 1046
C. L , 84
E. J., 619
G., 508
J. A., 691
K. M., 245
O C , 42
R. J , 422
T J , 1523
V. S , 1178
Forcier, Rev. G , 858, 861, 862
Ford, A. G , 568
A. J. T., 967, 978
A. R., 957
C. M., 429
C. T., 1100
E., 1046, 1051, 1054
E B., 451, 469
Justice F., 692
F. J., 1135
G , 695
H , 256, 261
H A J., 1003
I. H., 60
J E., 496
M. C., 581
P., F.L.S., 724
P., Ph D., 517, 521
T., 261
T D., 569
V. C. R., 659
W. F , 821
Ford-Smith, Mrs. J. K. T., 1543
Forde, C. D., 300, 313
H., 1543
Forder, H. G., 1107
Fordham, M. G. C., 193
P. E., 430
Fordyce, C. J., 617, 619
P., 1020
Foreman, H. M., 558
Forfar, J. O., 608
Forman, B., 584
F., 1135
L., 328
Formby, M L., 363
Formston, C., 288
Forrest, D. W., 246
G. A., 61
G. M. S., 64
J., 655
J. E., 281, 282

Forrest, R. A. D., 296
R. M., 305
W. G. G., 445, 469
Forrester, A., 666
J. F., 1355
W. R., 644
Forsberg, C. R., 906
Forsey, E. A., 738
R , 785
Forshall, I., 195
W., 515
Forshaw, R. P., 939, 942
Forster, D. M., 571
D. S , 775
F. M. C., 1010
G. C. F., 503
J. B., 1027
J. M., 936
L W., 304, 313
M. G , 146
R. M , 315
S. de C , 428
Forsyth, A. R., 141
C. M , 145
J. S., 138, 183
R. A., 582
W. A., 708
Forsythe, D. K., 1530
J. R., 592
M., 1027
R. G , 749
Forté, L , 826
Fortes, M., 79, 102
Fortescue, R. L., 280
Fortier, A., 829
B , 863
de la B., 765, 768
E., 764
E., B.A., 762
E., B Th., 770
E , M.D , 768
Abbé E., 827
G., 766
J., Laval, 769
J., Montreal, 831
J. M , 770
L., 830
Fortin, G., 830
L. de G., 758
Fortt, J. M , 1539
Fortune, Rev. G., 1130
P. Y., 624
R. F., 79
Forward, D. F., 917
F A., 721
Foss, B., 251
Foster, A. B., 29
A. G., 284
A. W. A., 236
B., 519
C. L., 355
D. B. E., 557
E. W., 300
F. G., 159, 273
F. S., 86
G S., 556
I. J. C., 129
I. Ll., 440, 462
J., 173
Rev. J., 619
Foster, J. F., vi, xiii, xxxiii, 27, 1801
J. G., 457
J. S., 779
M. B., 448, 460
Rev. R. J., 38
R. W., 1095
Fostvedt, T., 692
Fotedar, D. N., 1328
Fothergill, C. A., 257
P. G., 136
Fotheringham, J. B , 882
Foucar, H. O., 961
Foulds, W. D., 945
Foulger, Rev. T. R., 1355, 1358
Foulis, M. A., 629
Foulkes, H. O., 551
R. F , 565
Foulks, J. G., 727
Fourie, D. J., 1165
F. C. v. N., 1151
L , 1143
P. J. J., 1170, 1171
Fourman, P , 556
Fournier, Rev. A., 1352
C. J , 786
G., 831
L., 832
Abbé O., 825
R., 762
Rev. R., 824, 833
Fowden, L., 301
Fowke, V. C , 903
Fowler, A , 588
A. F , 786
F. J., 164
G J , 422
G N., 402
H. M , 926, 937
J., 589
J. R., 688
N. A., 1052
P. H., 62
R. T., 1047
W. J. R., 942
Fowles, G. W. A., 517
J. A., 236
Fowweather, F., 413
F. S., 171
Fox, Lady A., 564
A. C., 275, 1071
A. M., 874
C., 778
E. C., LL.D., 798
E. C., M.D., 30
E. J., 957
E. N., 91, 107
F., 826
F. W., 1203
G. M., 1200
G. T. J., 256
H., 309
H. M., 53
J. E., 563
J. H., 563
J. W., B.A , 1107
J. W., Ph.D., 307
M., 1345
M. E., 1528
Fox, P. M., 1030
S., 493
T. R. C., 91, 101
W. H., 189
Foxon, G. E. H., 327
Foyle, A. M., 300
Fraenkel, E. D. M., 491
L. E., 254
Frame, J., 617
France, K. R., 625
R. S., 190
R. W., 665
Frances Carmel, Sr., 844
Francis, A. J., 1007
E. A., 443, 473
E. T. B., 505
F. C., 305
F. J., 940
G. E. C., 349
G. H , 728
J., 1034
J. F., 940
J. R. D., 256
K. H , 503
P R. P , 1351
R. R., 698
Mrs. W. P., 912
W. W., 791
Francis d'Assisi, Sr., 844
Francis de Sales, Sr., 844
Francis Dolores, Sr , 844
Franco, J., 1354
Francœur, M., 911
Frank, B. L., 785
F C , 61
G. C , 922, 941
Frankel, C., 1776
J., 585
J. J , 1144
S., 776
S. H., 441, 475
Franken, J L. M., 1187
Frankl, E. K., 91
Frankland, B., 168
H. M. T., 574
Franklin, A. W., 349, 369
D., 1786
E. W , 940
G., 781
H. W., 391
J. L., 366
K. J., 350
M. C., 1046
N. L., 174
R. H., 373
S. H., 1111
Franks, M., 1200
Rt. Hon. Sir O., 1801
W. R , 931
Fransman, S. L., 875
Franzsen, D. G., 1166
Frappier, A., 824, 826, 830, 836
J., 830
Fraser, A., 625
A., B.A., 70
A., Ph.D., 435
A. D., 76
A. H. H., 586
D. A. S., 923

Fraser, D. B., 350
D. G. L., 684
D. M., 197
D. T., 930, 934, 935
E. A., 309
E. D., 585
E. M., 1107
F. C., 777
F. H , 930
Sir F. R., 369
G. N., 652
G. P., 586
H., 494
H , B W.I., 1548
H. R. L., 608
I. M., B.Sc , 902, 906
I. M., Ph.D , 1030
I. T , 649
J A , 413
J. S., 1028
K. B., 586
M., 1045
M. B., 1049
M. S., 586
P , 70
P. M , 445, 458
R , B S.A., 839
R., M.D., 588
R A., 913, 914
R. M., 684
R. S., 696
S. D., 690
T. N., 628
T. R., 370
W , 264
W. E., 583
W. R., 913
Fraser-Steele, G. D., 650
Fratkin, L. B., 728
Fraymouth, J , 58
Frazer, A. C., 42, 54
R., 1114
S. C., 618
W., 638
W. M., 205
Frazier, E. F., 205
Frearson, K. S., 1001
Fréchet, A , 761
Fredericton, Bishop of, 755
Fredette, V., 830
Freeborn, F. R., 881
Freed, P., 859
Freedman, M., 270
Freeland, J. M., 666, 669
Freeman, C. B., 156
Mrs. D. R., 790
Rev. E. G. D., 810
G. F., 391
H. A., 799
H. C., 1043
J., 64
L. J., 392
P., 506
R., 109, 250
R. B., 309
R. H., 68
R. S., 934
S. B., 205
T., 629
T. W., 398
Freer, P., 1207
Frégault, G., 825
Freifield, N. E., 700
Freislich, J. G., 1198
Fremlin, J. H., 36
Frémont, C., 765
French, A., 981
A. P , 88, 103
C. M., 279
E. B., 604, 608
E. L., 1001, 1009
G S., 799
J. E , 453
J. M., 42
R. B. D., 1773
R. de L., 782
W E , 184
Frend, W. H. C., 82
Frenette, A., 760
O , 768
Frere, S S , 400
Freshwater, D. C., 32
Fretter, V., 495
Freundlich, E. F., 643
Frew, J. L , 1011
J. S , 650
W. D., 696
Frey, A. E., 60
J., 666
Friars, G. W., 940
Fricker, K. M., 777
Fridman, G. H. L., 982
Fried, J., 780
Friedel, J., 53
Friedlander, F. G., 86
Friedman, Mrs. C. L., 724
D., 290
J., 1200
J. E., 576
S. M , 724
Friedmann, A. L , 1200
I., 372, 379
W. G., 922
Friel, E. S., 1772
Friend, F. B., 928
G. F., 599
Mrs. J., 45
Friesen, J. K., 729
W. J , 812
Frigon, A., 838
Frisch, O. R., 87, 107, 1518
Friters, G M., 1480
Frith, D. A , 1066
Rev. H. I., 520
Fritz, M. A., 921
Frizelle, G. M , 384
Frizzle, H. R., 928
Fröhlich, A., 265
H., 191, 205
Frontali, G., 75
Frood, A. M., 494
Frootko, J. J. H., 1204
Frost, C., 1198, 1202
G. B., 871
L. C., 80
Rev. S. B., 60, 71
T., 163
Froud, M. D., 318
Frowein, Mrs. I., 164
Fry, B. A., 509
Fry, D. B., 306
F. E. J., 926
J C., 940
N. C. V., 1523
R. J. M., 1774
R. M., 93, 985
Fryberg, A., 1051
Fryde, E. B., 531
Frye, H. N., 919
Fryer, A K., 1178
D. H., 141
D. W., 1000
J. F., 699
K. D., 882
W R., 426
Frykman, E., 585
Frylinck, J. R., 1203
Fu, S. L , 1504
Fugete, P., 768
Fulkerson, R. S , 940
Fuller, G J., 426
G. R., 983
H. J , 936
Rev. R. H., 579
Fullerton, B., 139
C. W., 785
H. W., 587
Fulton, A. A., 651
A S , 597
F , 384
J , 599
Prof. J., 380
J. S., D V.S , 906
J S , M A., 550
J S., M.D , 197
W. F H , 627
Funder, J. F., 1010
Funk, H., 814
Funnell, H. S , 942
Funt, B. L., 807
Furber, B. N., 413
Furer-Haimendorf, C. von, 294
Furley, D. J., 302
O. W., 646
Furlong, E. J J., 1771, 1774
R. J , 359
Furneaux, D P., 515
Furness, A , 723
Mme. L. T., 780
Furth, R., 251
Fushtey, S. G., 939
Fyfe, F. W., 580
G. M., 651
M. L., 1092
W. S., 1090
Fyrth, H., 220

Gabor, A., 425, 436
D., 256, 261
Gabriel, A., 1350
A. C., 1042, 1047
J., 1020
J. R., 1092
O. M., 235
R. M., 1091
Gabrielle, Mother M., 1352
Gadd, D., 280
Gaddum, J. H., 603
Gadgil, S. R., 1389

Gadgil, V M., 1384
Gadgill, D. R., 1407
Gadouas, Rev. O., 861
Gads, L. E , 695
Gaekwad, L. K., 1264
Gage, M., 1100
R. S., 940
W. H , 713, 720
Gagnaire, M , 1543
Gagné, A., 759
C., 758
F., 768
H., 770
J., 765
M , 766
R., 863
Rev T., 858
Gagnier, M , 831
Gagnon, A., B.Sc., 767, 769
A., L.Sc., 759
A., M D., 830
C., 760
Rev. E , 825, 833
E., M D., 832
F., 767
G., 769
Rev. G., 865
H., 764
J , 831
Hon. O , 766
P., 767
P. E., 759, 771
R , 759
Gagolski, J., 981
Gahrana, G. K., 1223
Gai, G. S., 1333
Gain, E. A., 695
Gaind, K. N., 1393
S , 1309
Gainer, W. D., 694
Gainsborough, H., 352
Gairdner, Sir C. H., 1068
D. M. T , 93
Gairns, F. W., 623
Gairola, S. S., 1258
Gaisford, W. F., 44, 406
Gajda, R., 858
Gajendragadkar, K. V., 1406
S N., 1285
Gal, H., 599
Galarneau, C., 763
Galbraith, R. A. H., 848
V. H , 445, 465
Gale, A. H., 65
E. F., 80, 105, 435
G. W., 1148
H. P., 1535
Galea, J., 1520
V. R., 1519
Gales, D. L., 791
Gall, A. J. M., 404
Gallagher, Rev. G., 899, 900
J., 85, 107
K. J., 1000
M. J., 1035
P. H., 1787
P. J., 1796
Gallant, E., 894
F. F., 747
Rev. T., 894, 895
Galley, A. H., 331
Gallie, W. B., 660
Galloway, A , 1535
A. D., 1529, 1538
Rev. A. D., 631
D. R., 848
J. P., 627
J. W., 602
W. H., 586
Gallus, H P. C., 986
Galpin, L., 415
Galton, D., 240
Galway, M., 33
V. E., 1092
Gamba, C., 1512
Gamble, A. A , 1052
R B., 738
R. G , 1793
Gamblen, F., 1070
Gambling, W. A., 194
Gammie, J. L., 605
Gan, J. K., 287
Ganado, J. M , 1520
W., 1520
Gananathan, V. S., 1405
Ganapathy, K., 1252
Ganapati, P. N., 1247
V., 1351
Ganapati Ayyar, V., 1253
Gander, T. A., 697
Gandhi, A. M., 1268
B. K., 1323
S S., 1307
Gandy, R. O , 570
Ganesan, M., 1253
Gangol, Mrs K., 1228
K. C , 1376
Gangrade, K. D., 1311
P. C., 1226
Ganguli, B. N., 1225
B. N., Ph.D., 1305
M. K., 1491
N. L., 1294
S., 1295
Ganguly, J , 1445
Gani, J , 1070
Ganju, I. K., 1228
P. N., 1328
Ganla, V. G., 1268
Ganly, A., 1772
Ganner, P. J , 41
Ganong, H. W., 683
Ganorkar, M., 1388
Gansekoele, J., 939
Ganshorn, J. A., 728
Gant, J., 1135
Ganz, P. F., 315
Gaonkar, S., 1322
Gapper, R. L., 531
Garabedian, D., 471
Garant, O., 767
Garcia, H., 779
Gard, S., 514
Garde, D. K., 1405
M. L., 1041
V. G., 1413, 1414
Garden, L. A., 581
R. R., 66
Gardham, A. J., 346, 363
Gardiner, F. W., 590
Gardiner, J. H., 506
J. M., 912
L. R., 1076
Mrs. M., 277
P., 277
P. L , 448, 469, 471
Gardiner-Hill, H., 358
Gardner, B. C., 774
C C., 1544
C. M., 781, 789
D., 670
D. E. M., 234, 273
F V., 345
G. H. F., 1774
H. J., 1000
H L., 442, 474
J. A., 715
J. C , 738
J. F , 1009
P. A. D., 623
R., 81, 99
R G., 638
W. H , 1143
W. J , 1100
W R. W., 621
Gardner-Medwin, R. J., 187
Gardner-Smith, Rev. P., 100, 119
Gareau, Rev. E., 858
R , 824
Garforth, F. W., 154
Garg, J. L , 1417
K. D., 1311
L. S., 1417
M L , 1222
O. P., 1303
Garge, B. N , 1370
Garggya, J. S , 1224
Gariępy, R., 832
Garland, C W. A., 318, 319
G D., 693
H. B., 562, 563, 567
H. G., 170, 171
Mrs H. M. L., 563
J. W., 939
Garlick, G. F. J., 36
H. W., 1011
J. A., 278
K., 69
K. J., 29, 54
Garmany, G., 367
J. W., 138
Garmonsway, G. N., 264
Garneau, A., 760
B., 762, 763
Rev. J., 758
J. B., 764
R., 768
Garner, F. H., 32
R. J., 68, 205
W. C., 53
Garnett, A., 503, 514
Garnham, P. C. C , 385
Garnier, B. J., 1529, 1531
Garon, G., 831
Garrad, K., 167
Garran, Sir R. R., 1078
Garrard, E. H., 939
N. A., 467
Garrett, C. H., 411

Garrett, H. E., 1114
J. C., 1100
P. A., 34
S. D , 80
Garrick, F. J., 161
J. A., 638
J. A. F., 1112
Garrido, L., 1804
Garrod, H. W., 464
L. P., 349
Garry, R., 825, 828
R. C., 623
Garside, D., 415
J. E., B.Sc., 174
J. E., M.Sc., 391, 392
J. S., 1555, 1557
K , 309
R. F., 146
Garstang, E. J., 1549
F., 199
R., 472
R. H., 300
Gartke, R. A., 882
Garton, C., 137, 159
W. R. S., 258
Gartside, S., 413
Garven, A. B., 625
H. S. D., 623
M. S., 622
Garvey, Rev. E. C., 707
Garvie, E. I., 496
Garwood, R. D., 546
R. F., 279
Gascoigne, R. M., 1024
S. C. B., 993
Gascoyne-Cecil, R. A. V , 439
Gash, N., 164, 655
Gaskell, J. P. W., 102
K. H., 65
Gaskin, A. J., 1017
M., 623
Gasking, D. A. T., 1004
Mrs. E. B., 1002
Gass, C. L., 841
Gasson, C. H. R., 1135
Gatehouse, M., 294
Gatenby, J. B., 1774
Gates, R. C., 1043
Gatien, R., 830
Gatt, V., 1519
Gattegno, C., 235, 251
Gattinger, F. E., 941
Gatto, J., 1036
Gatwin, R., 863
Gaudefroy, H., 834
Gaudet, B. E., 761
Rev. D., 895
G., 895
J. A., 895
Rev. L., 894, 895
Rev. R., 894, 895
Gaudette, G., 758
Gaudon, J. A. M., 398
Gaudron, E., 764
Gaudry, R., 767, 772
Gauju, P. N., 1234
Gauld, D. T., 1525
W. R., 587
Gaulin, E., 864
Gault, E. W., 1356
Gaumond, E., 767, 769
Gaunson, F. H., 1006
Gaur, A. P., 1227
B. N., 1227
D. N., 1308
G. D., 290
H. C., 1304
K. L , 1227
K. N., 1222
M. L., 1223
P. C., 1222
Gaurreau, L., 767
Gautam, J K., 1304
P , 1374
V. S., 1226
Gauthier, A , B.S.A., 759
A., D.Ped., 761
A., Ed.D., 895
A., L.Sc., 824, 826
C. A , 767
E., 769
G , D.D S., 828
G., D.Sc , 758, 759
G., Ph.D , 761
G. H , 769
J., 772, 830
L. J., 832
P. P., 830
R., 825
Gauvin, W , 782
Gauvrau, J. M., 763
Gauvreau, J M., 828
Gavey, C. J., 366, 370
Gawley, H N., 808
Gawne, S. C., 410
Gay, Mrs. J., 301
P., 87
W. A., 639
Gayatonde, N. S., 1309
Gaydon, F. A , 63
Gaylor, J. B , 628
Gayman, G. R., 727
Gazdik, J. G., 783
Gazet, J. C., 263
Geach, P. T., 36
Geake, F. H., 492
J. E., 402
Gear, J. H., 1200
J. H. S., 1204
Geary, A., 392
Geddes, A., B.Sc., 622
A., Ph.D., 598
A. E. M., 584
A. G., 520
A. K., 787
H. J., 1046
J. H , 960
M., 601
W., 190
W. E., 622
W. R., 1105
Gee, A. M., 727
C. F. H., 205
F. L., 1539
G., 396
H. P., 568
O. R., 315
Geering, R. G., 1026
Geerling, R., 1201, 1203
Geffen, Z. N., 1195
Geiger, Rev. L. B., 833
Geissinger, M. E., 698
Gejji, N. V., 1333
Geldenhuys, F. G., 1168
J. J., 1164
Gelfand, L., 926
Gélinas, L., 831
Gélineau, Rev. N., 867
Gell, P. G. H., 41
Gelley, T. F., 881
Gellie, G. H., 1000
Gelling, P. S., 29
Gellner, E. A., 273
Gemmell, A. A., 196
A. R., 574, 576
D. H. O., 640
J P., 812
Gemser, B., 1170
Gendron, Rev. J., 861, 862
P., 858, 867
Rev. R., 860, 867
Genest, A., 760, 829
O., 773
P., 826
R , 831
Genge, D., 822
Gent, W. L. G., 327
Gentilli, J., 435, 1069
Gentles, J. C., 626
Geoffrion, B., 827
C., 765
P., 829
Geoghegan, Mrs. K., 447, 472
George, A. G., 1372
C. J., 1285
D. W., 1030
E. A , 80
E. F., 598
E. P., 1045
F. H., 62
F. W. A., 551
G , 873
J., 588
Miss J , 1375
J. C., 1267
Rev. K. K., 1430
K. M., 1351
Mrs. M., 1307, 1309
M A., 1530
P., M.Sc., 530
P , Ph.D , 82, 97
S. K., 1372
S. M., 1374
T. N., 620, 632
W. E., 1051
W. H., 392
Gera, S. D., 1303
Geraghty, J. A., 1788
Geraldine, Sr. M., 919
Gerber, J. J., 151, 1178
Gerdener, G. B. A., 1188
Gericke, A. M. M., 1166
J. S., xxx., 1185
Gerigue, P., 780
Gerin-Lajoie, L., 830
Sr. M., 835
Gerrard, A. H., 300
D. W., 651
E. A., 408
H., 397

Gerrard, J. W., 41
W., 391
Gerrie, J. W., 781, 789
Gershevitch, I., 94
Gerson, W., 807
Gerstenberg, E. G., 629
Gertrude, Mother M., 1357
Gervais, Rev. J , 865
Getty, R. J., 918
Gevers, T. W., 1195
Gey van Pittius, E. F. W., 1116
Geyer, E. W., 625
J. W. C., 1166
Geyser, A. S., 1170
Ghadially, F. N., 509
Ghaisas, V. V., 1279
Ghan, P. D , 1375
Ghanashyam, 1328
Ghanem, N A., 30
Ghani, M. M., 1352
M. O., 1465, 1468, 1469
O., 1491
S. A , 1388
Gharib, H. M., 1557
Gharpure, V. G., 1377
Ghatge, A. M., 1333
Ghaznavi, I , 1488
Ghey, P. H. R., 93
Ghooi, A. M , 1377
Ghori, G. K , 1361
Ghosal, A. K., 1296
H. P., 1297
K. N., 1435
Ghose, A. M., 1222
B. N., 1225
D. C., 1305
M. N , 1306
P. K , M.A., 1434
P. K., M.Com., 1304
S. E. R., 1294
Ghosh, A , 1371
A. B., 1305
A. C , 738
B., B Com , 1292
B., Delhi, 1311
B., M.A., 1297
B. N., D.Sc , 1291
B. N , M.Sc., 1279
C. S., 1446
D. P., 1292
G. S., 1436
H., 1226
H , B.Com., 1240
J C., xxx., 1290
K. D., 1295
K. K., 1297
M. K., 1227, 1242, 1243
P. C., 1294
P G , 1241
Lt. P. K., 1440
P. K., 1440
R K , 1368
S., 1440
Miss S , 1296
S., D.Sc., 1240
S., M.A., 1226
S. K., 1439
S. S., 1447
Ghoshal, M , 1228
Ghoshal, N. N., 1371
S. N., 1339
S. N., V.B., 1439
Ghousuddin, K. F., 1388
M., 1386
Ghuman, E. S., 1303
Ghurye, G. S., 1280
S. G , 1338
Gianetti, G. G., 1548
M., 1549
Giasson, A., 758
Gibb, A., 645, 692
A. D., 625
A. G., 649
Sir H. A. R., 454, 467
J. A. C., 493
R., 410
W., 638
W. E., 349
Gibberd, G. F , 328, 371
Gibbons, P. C , 1525
R. J , 862
Gibbs, C., 1388
D. F., 62
E F., 63
G C , 250
J., 37
J G , 1110
J. M., 544
Marion E., 551
M. E., 1222
N H., 446, 458
R. D , 775
R E., 307, 309
Gibby, C. W., 127
Gibeault, H , 831
Giblin, N., 779
Gibson, A. B., 1004
A. J., 1121
C. J. H., 1052
C R., 64
D. L , 905
D. T , 618
F. W , 872
F. W. E., 1009, 1017
H. J. C., 655
J. A., D.Phil., 736, 738, 740
J. A., M.B , 617
J. B , 663
J. B., M.B., 628
J E., M.D , 875
J. E., Ph.D., 625
J. M , 847, 848
J. M. W , 410
M. J., 649
N. A., 1045
N. H. E., 168
Q. B., 1077
Q. H., 505
R., 650
R. J., 38, 45
R. W., 809, 814
T., 601, 611,
W. C , 722, 726
W. H. H., 1048
W. J., 297
W. M., 626, 660
Giddens, E. P., 1101
Gideon, C. T., 1222
Gideon, G. S., 1304
S. S., 1242, 1243
Gie, A. H., 483
Giffen, B., 700
E., 280
P. J , 925
Gifford, C. H., 60
D. J., 648
H. G., 736
Mrs J., 523
J. K., 1032, 1037
P W. W., 310
Gigras, B N., 1227
Giguère, A., 151, 769
Rev. A , 865
P A., 183, 759, 772
Rev. R. M., 833
Gilani, A. A., 1481
M. A , 1386
Gilbert, A , 505
A. B., 142
C., Ph.D., 140
Christine, 1193
C. W., 402
E. W., 444, 461
G. A., 29
J., Laval, 767
J , Montreal, 826
J. A. L., 696
J. C., 502
L F., 301
M , 151, 235
Rev. M., 865
M. E. C. M , 265
R. E., 427
R. G. B., 784
W. D., 872
Gilchrist, A., 138
Mrs. A. G , 137
A. R., 603, 606
B M., 246
E , 603
H. A., 690
J. A , 632
J. D., 140
J. M , 665
Mrs. W. M., xxxiii
Gildart, M. E., 576
Gilding, H. P., 37
Giles, A. K., 59
B. D , 59
C. H., 638
M. D., 627
P. M., 96
R., 622
Gilet, P. G. M., 1008
Gilham, C. W., 165
Gilhooly, J. P., 863
Giljam, B., 1186
Gilkinson, W. S., 1090
Gill, A., 463
A. H., 59
E., 1004
F., 1771
H. B., 986
H. I , 1006
J. E., 777
Mrs. M., 235
P. S., 1236
R. C., 1051

Gill, R. S., 938
S., 105
S. S., 413
W. D , 436, 1773
Gill-Carey, C , 372, 379
Gillam, J. P., 137
Gillan, A. W , 646
Gillanders, A. D., 1200
F., 631
N., 1506
Gillani, A. C. S., 1494
Gilles, J. W , 690
Gillespie, A. W., 925
E. H., 507
H. S , 728
J E., 941
J. G , 623
M , 959
M. M., 941
R. J , 301, 313
R P., 622
W. A., 66
W. H., 273, 370
Gillett, E , 156
E. W., 1068
Gilley, J. R., 937, 945
R. J , 916
Gillham, M. E , 562
Gilliatt, Sir W., 332
Gillies, A., 164
A. W., 392
H , 629
J , 605
J. C , 160
J. F , 664, 669
J. W., 700
M. M , 153
R. M., 1006
R. R., 602
S M., 109
Gilliland, H. B., 1194
Gillingham, F. J., 604
Gillis, A. N., 751
C. N., 627
Rev. J. H., 889
Gillman, J , 1196, 1203
T., 1145
Gillson, A. H. S., 809
Gilman, E., 401
J. P. W., 941
Gilmet, A , 890
Gilmore, H. R., 984
Mrs. M. J., 661
Gilmour, D. G., 90
D. S., 690
G. P., xxix, 675, 798, 963
J., 147
J. S L., 80, 97, 116
Rev. S M., 874, 876
Gilpin, A., 331
Gilray, C. M., 998
Gilroy, J. C., 1200
Gilson, A. R., 96
E., 924
J. C., 556
R. P., 994
Gimblett, C. L., 371
Gimgembre, L., 772
Gimi, J. F., 1370
Gimingham, C. H., 581
Gimkey, S. F., 1195, 1198
Gimson, A. C , 306
A. P., 331
C. E., 303, 436
Ginestier, P., 154
Ginges, A. M., 1026
Gingras, R., 767
Ginivan, Rev. F. J., 890
Ginsberg, M., 273, 573
Ginsborg, B. L., 301
Ginsburg, K. M., 401
L. B., 403
M., 66
Ginswick, J., 1043
Giralt, E. R., 141
Girard, A., 826
Girdler, T. W., 1027
Girdlestone, C M., 139
Girdwood, R. H., 604, 606
Girgis, S., 1557, 1558
Giri, K. V., 1445
M., 1277
Girling, H. K., 1195
Giroux, A., 764
G , 760
G M., 766
M., 767
Rev. M , 865
Girvan, S B., 664
Girvin, G , 784
Gisbert, Rev. P., 1283
Gisella, Sr. M., 1357
Gissane, W , 43
Gitnick, P. J , 781
Gitoux, L , 760
Gittins, J , 146
Gittus, E., 192
Gjessing, G., 275
Gladstone, G. P , 453
Gladwell, C. W. L., 83
Gladwin, A. S., 507
Glaessner, M. F., 982
Glaister, E. E., 256
J., 627
Glanville, I. M , 315
S. R. K., 94, 101, 313
Glascock, R. F., 496
Glaser, E. M , 1514
Glasgow, W D., 505
Glass, D. V , 273, 435
G. M., 665
Mrs. R., 309
Glassen, P., 810
Glauert, M. B., 401
R. H., 108
Glazebrook, A. J., 813
J. H., 1115
Gledhill, A., 294
J. A , 1179
Glees, F. P., 449
Gleeson, Very Rev. J. P., 1012
Gleeson-White, M. H., 93
Glen, A., 628
E., 639
Rev. J. S., 938
J. W., 97
M., 538
Glenister, B. F., 1070
Glenn, A. L., 297
W. A., 840
Gliddon, J. E. C., 281
Glover, F. A., 496
F. N., 328
J , 187
J. H., 1106
J. S., 942
M. R., 435, 576
R., 809
R. E., 192
S. G., 35
Glow, Mrs. L , 1002
Gluck, B., 556
Gluckman, H. M., 403, 630
I., 1199
M., 422
R. P., 1203
Glyde, H. G., 691
Glynn, B. C. C., 783
R. M., 985
Glynne, A., 412
Gnanalingam, S., 108
Gnanamuthu, C. P., 1349
Gnanamuttu, A., 1353
Goadby, H. K., 358
Gobeil, C. E., 858
Goble, H. W., 940
Goblot, J. J., 620
Godakumbura, C. E., 290
Godard, J. S., 783
Godbole, A N., 1264
C. G , 1376
D. M., 1374
R. D., 1283
Godbout, G., 760
J , 828
Goddard, Mrs. B. M , 181
L., 647
L. J , 1295
L. S., 584
Godden, W. G., 659
Godfrey, C. F., 1776
D. R., 691
F. La T., 1771, 1774
G. G., 1009
G. H., 1025
J. D , 692
R., 936
R. J., 930
Godin, H. J. G., 659
Godley, E. J , 1101
Godsell, T. E., 59
Godward, M. B. E., 279
Godwin, H., 80, 97
H J., 551
Goedkoop, J. A., 183
Goel, R. K., 1340
S. C., 1226
U., 1222
Goesch, K. J., 1043
Goetz, H., 1271
R. H., 1136
Goff, R. L. A., 452, 463
Goffart, M., 307
Goffin, M., 510
Gogate, B. S., 1226
D. V., 1266
V S., 1324
Goggio, E., 922
Gogoi, P., 1316
Goguen, A., 895

Goh, S. W., 1513
Goitein, H., 30
Gokak, V. K., 1333, 1334
Gokhale, L. K., 1369
N. L., 1369
V. V., 1368
W. L., 1376
Golberg, L., 409
Gold, V., 263
Goldberg, H. I., 748
L., 1000
L. S., 746
S. L., 1001
Goldblatt, M. W., 408
Goldby, F., 355, 991
Goldie, A. W., 140
J. E. D., 1052
L. F E., 1076
W., 171
Goldin, H , 1167
Golding, A , 1092
F. C., 340, 373
J. S., 1544
N. K., 1046
Goldman, M. D., 1005
V., 369
Goldner, S. R. F., 1187
Goldsmith, A., 1198
A. J. B., 340, 371
E. E., 737
Mrs. M. E., 60
W. N., 362
Goldspink, E. C., 570
Goldstein, A. M., 68
K., 380
Goldstone, C. L., 1027
Goldsworthy, L J , 441
N. E., 1047
Goldthorpe, J. E., 1535
Golgher, J. C , 173
T. E., 665
Golinski, J. A , 783
Golla, F. L., 65
Gollan, R. A., 994
Gollon, J., 1105
Gomati Sankara Ayyar, V. S., 1253
Gombrich, E. H. J., 69, 242
Gomes, R A., 1467
Gomm, G., 44
Gomme, A. W , 619
Gondhalekar, J. D., 1284
Goni, S. K , 1332
Gonin, H. L., 1163
Gonon, M., 772
Gonsalves, Rev. A., 1352
Good, E. M. F., 999, 1008
H. M., 870
J. G , 985, 986
R. D'O., 153
W., 638
Goodale, D., 688
Goodall, A L., 629
A. M., 244
D W., 412
H. B., 650
Goodbody, I. M., 584
M., 60
Goodborn, E. J., 32
Goode, M. A., 504
Gooden, G. L., 987
Gooderson, R. N., 92, 104
Goodey, J., 1544
Goodfellow, J., 172
Goodhart, A. L , 468
C. B , 90
Goodison, J. W., 96
Goodland, T. M., 1525
Goodman, A. E., 94
G. T., 550
N., 313
N M., 408
N. R., 744
Goodrich, L. C., 1443
R. M., 442
Goodridge, H. B., 822
Goodspeed, F. M. C., 720
G., 902
Goodstein, R. L., 435, 570, 571, 573
Goodwin, A., M A., 399
A., M D., 371
A J. H , 1130
A. M., 812
D V., 563
G. L., 272
J. E., 934
J. F., 370
L , 693
Mrs. M. E., 496
R. F. W , 95
R. M., 82, 435
T. H., 619
T. W., 187
Goodwin-Wilson, R., 940
Goody, R. M., 258
Goodyear, J., 155
Goold, G. P , 153, 1131
Goolden, P , 469
Goon, S. M , 1514
Goonesekera, R. K. W., 1452
Goonewardena, K. W., 1452
Goossens, A. P , 1155, 1159
Gopal, M. H., Ph D., 1245
M. H., Mysore, 1361
R., M.A., 1311
R., Ph.D , 1337
Gopala Krishna, A., 1376
Gopala Rao, G., 1246
Gopalakrishna, B. P., 1363
H V., 1446
Gopalakrishna Sastri, D., 1247
Gopalakrishnamurti, S., 1351
Gopalakrishnan, G., 1253
T. P., 1355
V., 1252
Gopalam, V , 1249
Gopalan, N , 1253
R., 1331
V., 1273
Gopalan Nair, M. P., 1428
Gopalaswamy, K. V., 1245
S., 1361
Gopee, R., 1311
Gopfert, Dr., 151
Gopinath, C. R., 1254
Gopsill, G. H., 425
Goranson, E. S., 715, 724
Gordon, A. A. E., 1092
A. H., 796
Gordon, A. L., 786
A. N , 257
A. R., 917, 945
C , 605
C. A., 748
C. C., 1543
C. D., 776
C. G. S., 194
C. J., 1112
C. W., 39
D. C., 781
D. J., 494, 498
D S., 625
G., 449, 459
H. D , 1110
H. M., 1046
H. S., 737
H. W., 352
I., 587
I., S.A., 1144
I. A., 1111
Mrs I. L., 398
I. R. S., 65
J., 169
J. E , 601, 610
M., 638
R. M., 192
R. R., 508
S., 790
S. C., 235
S. D., 929, 934
T., 650
W. A. M., 662
W. L , 811
Gordon-Gray, C. G., 1147
K., 1142
Gore, M. S., 1311, 1312
S D , 1370
U. R., 1267
Goreau, T., 1544
Gorekar, N. H., 1283
Gorer, P. A. I., 328
Gorham, A. L., 689
A. P., 64
Gorman, B. H., 921
J. L., 1009
M. J., 1787
W. M., 37
Gormley, P. G., 1786
Gornall, A. G., 932
Gorner, F., 405
Gorodetzky, N., 450
Gorowara, K., 1306
K. K., 1308
Gorrie, C. J. R., 1011
Gorsky, J. A., 324
Gorter, C. J., 435
Gorvett, H., 259
Goss, F. R., 391
Gossage, A. J., 264
Gosse, C. L., 750
M., 748
N. H., 749
Gosselin, E., 765, 766
G , 830
J., 767, 769
P. E., 764
R., 763
Goswami, B. K., 1386
G., 1308

Goswami, G. C., 1316
J. B., 1311
K. N., 1323
M. C., 1316, 1317
N. B., 1439
N. C., 1435
P., 1317
P. C., Dacca, 1471
P. C., M.A., 1316
T. N., 1318
Gothivrekar, S. R., 1324
Gotlieb, A. E., 469
C. C , 924
Goto, H. E., 259
Gottlieb, W. W., 624
Gotto, R. V., 661
Goudar, B. Y. M., 1325
Goudge, T. A., 923
Goudie, G. O., 625
J. G , 626
Goudriaan, J., 1166
Gough, E. K., 403
J , 555, 556
J. W., 446, 465
K. G , 420
M., 596
Gouin, Hon. L. M., 828, 829
Gould, A. J , 1146
C E. G , 725
D. W , 1505
G. G., 545
J. C., 602
J. D., 570
J. P. A., 448, 460
Mrs. M., 250
S. C., 60
S. J., 273
Goulding, A. M., 931
Goulston, E. H., 1052
Goundrey, G. K , 821
K. G., 925
Gourevitch, A., 21, 43
Gourie, Mrs. S., 1305, 1307
Gourlay, C. C., 715
Rev. D., 618
N., 32, 44
R. H., 728
Gouthreau, O., 860
Govan, A. D. T., 628
Goveia, E. V., 1543
Govenlock, Abbé S., 828
Govier, G. W., 695
Govil, G. D., 1227
K. L., 1240
O. P., 1234
Govila, B. L., 1227
Govind, S., 1277
Govinda Rao, M., 1350
M. A., 1349
N. S., 1446
Govinda Setty, S. V., 1363
Govindachari, T. R., 1350
Govindan, P., 1254
Govindaraja Pillai, V. R., 1253
Govindarajah, S., 1355
Govindarajalu, L. K., 1253
Govindarajan, M. S., 1254
S. R., 1350
Govindaswami, M. S., 1253
Gow, A. S. F., 107
J. J., 593
Gowan, E. H., 693
I. L., 428, 1559
Gowans, U. G. J., 1003
Gowar, F J. S., 588
Gowda, K. R. B. E. S., 1363
Gowdey, C. W., 961
Gowenlock, B. G., 550
Gower, L. C. B., 272
W. M. S., 1028
Gowie, K. D., 959
Gowing, L., 139
Gowland, J. H. C., 876
Gowri Kumari, V. G., 1253
Goy, E. D., 104
Goyal, B B , 1412
K. C., 1221
S. C., 1417
Goyer, F., 765
Grace, A. J., 961
J. B., 39
N. H., 699
W H , 205
Gracey, J. F., 662
Gradon, P. O. E., 443
Gradwell, R., 1033
Graefe, Mrs. I., 1361
W , 1447
Graf, H , 1170
J , 813
Graff, W L., 778
Graham, A., 495
A. C., 291
A. H., 659
A. R., 821
C. H., 313
C. H., Malaya, 1513
D., 129, 141
D. J., 902
D. V., 747
Mrs. E. P. M., 404
Mrs. F. S., 650
G. N., 170
G. S., 265
H., 671
H. A., 650
I. E., 121
J., 1524
J B , 154
J. D. P., 556, 557
J. E. L , 799
J. F., 744
J. G., 628
J. I., 1091
J. K. L., 36
J. M., 581
Mrs. J. M., 652
J. V., 743, 749
J. W., B.Arch., 807
J. W., M.D., 929, 931
J. W., Ph.D., 917, 958
K., 718, 724
M. P., 342
M. W. R. de V., 451
N. E , 151
P. M., 1537
R. P., 800
S. G., 627
S. H., M.D., 558
Graham, S. H., Ph.D., 530
T. C., 925, 945
T. O., 940
T. S., 622
V. E., M.A., 693
V. E., Ph.D., 902, 905
V. W., 1772, 1774
Rev. W. C., 809, 815
W. J. A., 196
W. R., 907
Grahame, D., 811
T., 595, 608
Grainger, J. N. R., 155
W. A., 1047
Gram, R., 714
Grandbois, J , 767
Grandchamp, Y., 860
Graneek, J. J., 657
Gransden, J. H., 1505
Grant, A. D., 459
Rev. A. J., 706
A. M., 1004
A. M. B., 1051
C E., 853
C. K., 427
D., 1009
D. F., 546
G., M A , 28
G., M.B., 558
G. M., 651
G. P., 745
Mrs. H. F., 89
H. T., 429
J , M.A., 580
J., M.B., 525
J. C., 586, 588
J. C. B., 930
J. H., 186
J. H. B., 726
J. J , 122, 134
J. K., 596
J. McB., 981
J. R., 918
Sir K., 987
K. M., 151, 748
L., 1543
M., 597, 1501, 1559
M. E., 684, 685, 686
M. I., 700
P. J., 622
R. M., 415
R. R., 927
R. S., 749
W. D. B., 919
W. L., 715
W. W., 813
Grant-Bailey, S. N., 519, 521
Granter, H. S., 744, 755
Grantham, J., 98
R., 738
Granville, Earl, 671
Grassam, N. S., 520
Grassie, J. C., 582
Gratton, A., 830
Rev. H., 862, 865
Graty, T. C., 31
Grauer, F. W., 728
Grave, S. A., 1071
W. W., xxxii, 99, 119 1542

Gravel, A. J., 769
Rev. J., 866
J. P. A., 766
L., 764
L, D.Sc , 759
L. P., 763
Gravenor, C. P., 692
Graves, A. L. I , 962
A. M , 60, 73
H. B., 728
Graveson, R. H , 265, 267
Gray, Sir Alexander, 597
Sir Archibald, 384
A. H., 96
A. O , 346
B J., 573
C., 373
C. A. M., 1048
C. C., 936
C H , F.R.C.S , 346
C. H , F R.I.C , 301, 332
D., 1111
D. E., 1505
D. F., 1008
D H F., 439, 473
D. M , 941
E. D , 395, 410
E. M , 1091
E. W., 445, 460
F. A , 460
F. W., 1152
G C., M.D , 697
G. C , Mus.B., 570
G. W., 153
H. R , 427
Sir J , 89, 101
J , 1504
J., B D., 583
J., M.A., 711
Mrs J. A., 940
J. A. B., 307
J. C., 929
J. D , 510
J. E., 144
J. E. B., 290
J. R., 646
J. W., 659
K. G., 931, 933
Mrs. K. R., 399
M , 537
M. C , 982
M. K., 1095
O. P., 555
P., 91
P. H., 430
P. H. H., 791
R. D., 85
R. K., 1069
Mrs. S. M., 235
S. W., 1011
T. C , 194
T. J., 76
Graydon, W. F., 927
Grayson, C., 447, 470
J., 62
Grayson-Smith, H., 693
Grayston, Rev. K., 71, 76
Greatorex, J. C., 288
Greaves, H. R. G., 272
R. I. N , 93, 99
Greaves, R. W., 246
W. M. H., 596
Grebenik, E., 167
Green, A. E., 140, 159
A. W. T., 1504
Rev. B. S. W., 45
C. A., 144
C de V., 364
D. H., 85, 107
D. M., 649
E R. R., 397
F. C., 598
G H., 721
H., 1152
H. A C., 284
H. G , 427
H L. H. H , 78, 106
H. N , 171, 508, 515
H S , 982, 991
H. W., 413
J., 246
J. A., 401
J. M , 1528
J T., 1153
L. C., 305
L. L., 191
L. M A., 980
L. P., 1143
M. W. S , 38
N M., 508
P T., 812
R. A., 95
R B , 123, 136, 143, 144
R T., 308
R. W., 1511
S. H., 29
S. L., M Agr.Sc., 1118, 1119
S. L , M.Sc., 281
Rev. S. W., 1506
T L., 1452
Rev. V H. H., 446, 463
W. G., 610
Green-Armytage, V., 371
Greenaway, F. I , 800
G. W., 563
T. M., 1050
Greenbaum, A. L., 300
Greenberg, L. H., 907
M. J., 407
Greene, D , 635
E., 689, 698
E. J. H., 693
N., 1788
Greenfield, A. D. M , 660
Greenhalgh, H , 1076
Greenhill, S., 696
Greening, Rev. E. W., 1776
Greenish, V. A. F., 342
Greenland, D. J., 1523
Greenlees, G. W., 36
Greenough, A. P., 552
G. B., 504
Greenslade, B. D., 303, 1539
C. M., 1094
M. J., 935
Canon S. L., 130
Greensmith, J. T., 280
Greenstein, J., 1204
Greenwood, A. D., 161
Greenwood, A. N., 175
C. T., 596
G., 1033, 1037
H., 1130
J. N , 1003
L. H. G , 98
N. N., 425
Rev. R., 665
R. H., 1033
T., 825
Greeves, Rev. F., 71
Greey, P. H., 932
Greg, Sir W., 303
Gregg, A H., 1771, 1774
A. S., 318
J W., 695
S. J., 562
Grégoire, F., 831
J , M D., 767
Jeanne, 836
J. E , 765
Rev. P., 834
Gregor, M. J F., 601
W. W., 608
Gregory, A. L., 405
C. O , 990
D. L., 415
E , 1091, 1095, 1096
F. G., 254, 259
J., 699
J. B., 1101
J. C., 164
J. E., 134
K., 747
M , 533
M. E., 496
P. H , 254
Sir R., 77, 184
R. A , 191
R. L., 89
R. W., 138
S., 189
Greig, Mrs D. J., 1003
J., 264, 267
J. Y. T , 1090
Greig-Smith, P , 537
Grek, I. J., 1200
Grel, U. K., 1311
Grémaud, Abbé J., 838
Grenier, Mgr. H., 764
P., 761
Grensted, Rev. L. W., 466
Grenville, J. A. S , 427
Grenville-Wells, H. J., 301
Gresham, A. H., 1093
G. A., 93
Greshoff, C. J., 1132
Gresson, R. A. R., 661
Gresswell, R. K., 189
Greville, G. D., 80
Grew, K. E., 564
Mrs. J. K., 1396
Grewal, R. S., 1377
T. S., 1304
Grey, A., 1112
D. R., 1020, 1098
S., 1526
Gribble, Rev. Preb. A. S., 38
Grice, H. P., 448, 467
Grier, L., 109

Grierson, A., 258
M., 599
P., 85, 99
Grieve, B. J , 1068, 1072
J., 651
J. M., 1136
S., 1200
Grieves, S. S., 1202
Griffin, A. K., 744, 745, 755
J. D. M., 936
L R., 552
Griffith, B. A., 923
B. G , 718
G. T., 81, 99
H. D., 584
H. R., 151, 784
J. A. G., 272
J. G., 444, 462
J. L., 1026
L., 664
M. B., 544
R. O., 187, 201
T. C., 307
T. G., 1773
Griffiths, C. P., 95
D. H., 34
D. J., 533
D. Ll., 402, 411
Rev D. R., 526
E , B Sc., 532
Elsie, 552
G., 244
H. B , 61
I , 251
J., 188
J. G., 550
J. H E., 449, 463
M., 790
M E., 442, 474
M. G., 936
R. B , 193
S B., 1144
T. H., 552
V., 1100, 1103
V. G., 1519
V. L , 442
V. M., 1091
W. J., 359
W. M., 1090
Griffits, A. E. H., 1064, 1066
Grigg, E. C. M., 1032
U. M., 142
Grignon, C., 830
J., 831
R., 832
Grigson, C. W. B., 91
Grimbleby, F. H., 492
Grimes, D. R., 881
H. D., 167
M., 1793
Grimley, T. B., 188
Grimmo, A. E. P., 1505
Grimsdale, R. L., 397
Grimshaw, C., 1036
H. C., 507
M. E., 86, 109
R. W., 174
Grimsley, R., 538
Grimson, G. A., 791
Grimsrud, H. A., 690
Grindlay, M., 630
Grindley, E. N., 1133
G. C., 89
Grinyer, I., 942
Grisdale, L C., 697
Grist, N R , 626, 627
Griswold, E. N., 313, 435
Grivastava, K N., 1225
Grizinskis, D., 1005
Grobbelaar, C. S., 1188
Grobler, B. J., 1166
J. H., 1156
P. du P., 1143
Grodecki, J. K., 61
Groden, C M., 1027
Groenewald, E. P., 1170, 1171
I. J., 1189
J. W., 1170
Groenewoud, P. W. G., 1151
Grond, A., 183
Groom, B., 798
G. E., 551
Grootenhuis, P., 257
Grose, S. W., 97
Grosicki, Z., 640
Gross, W H., 921
Grossbard, E , 161
Grossberg, B , 922
Grosse, V. R., 1515
Grossmann, W., 364
Grotepass, F. W. K , 1162
Groulx, A., 826
Hon H , 838
Grounds, R , 1017
Grove, A. T., 84
D. M., 279, 281
G. A., 34
J W , 399
R., 1160
R. B., 425
Grové, A. P., 1143
Grove-White, M L., 1518
Grover, A., 1307
S. R., 1395
V. M , 1133
Groves, G. A., 721
M. E., 1132
P. S., 568
Groves-Raines, R. G. D., 671
Grube, G. M A., 918, 930
Gruber, G , 1179
Gruenberg, K. W., 281
Grun, G. A., 272
R. H., 139
Grundy, F , 556
H. F., 94
J , B.A., 399, 418
Joan, 189
Gruneberg, H., 303, 313
Grunfeld, C., 272
Grunhut, M., 441, 458
Grunsell, C. S., 608
Grusin, H., 1200
Grylls, D. M H., 277
Grzybowski, A. K., 301
Guay, Rev. A., 866
E., I.F., 762
E., B.Sc. Soc., 765
F., 765
M., 769
Gubbay, E. R., 812
Gubbins, F. R., 1003
Guder, G , 621
Gudmundsson, F , 809
Guelke, R. W., 1134
Guenault, E. M., 507
P. H., 530
Guenther, H. V., 1338
Guérandel, P., 1553
Guérard, J M , 765
Guérin, B. D., 1008
Guertin, P., 831
Guertler, R., 1026
Guest, F. W., 1091
G H., 87
P. G., 1045
W. C., 812
Gueterbock, E. A. L., 299, 1729, 1733
Gugenheim, V. K. A. M., 251
Guggenheim, E. A., 493
Guggenheimer, K. M , 623
Guha, B C., M.A., 1297
B C., Ph.D , 1290, 1298
B. C., Utkal, 1435
J P , 1306
P. K., 1295
R C., 1371
S C , 1225
Guilbeault, A., 831
Guilboard, T. I., 781
Guild, S. R., 379
W. J., 601
Guilding, A. E., 502
Guile, A. E., 280
Guiler, E. R., 1064
Guilford, M. J., 941
Guillaume, A., 292, 296
Guillebaud, C. W., 82, 104
Guillemette, Rev. A. M., 828
Guillery, R W., 299
Guimond, A., 759
Guimont, J. P., 760
P. H., 760, 765
V., 767
Guindon, Rev. R., 865
Guite, H. F., 396
Guiton, Mrs. N. M., 1178
Gujral, L. M., 1307
M. L., 1342, 1345
Gulaskeram, J. B , 1454
Gulatee, R. D., 1323
Gulbis, F , 800
Gullett, D. W., 942
Gulley, N., 58
Gullick, C. F. W. R., 444, 470
Gulliford, R., 32
Gulliver, J. H., 939
Gumowski, I., 761
Gumpert, T. E., 508
Gunasekera, H. A. de S., 1452
N. D., 1455
Gunatileke, A. I. L., 1456
Gunawardena, S., 1454
Gunawardene, H., 1455
Gunawardine, D. F. de S., 1456
Gundry, C. H., 727, 730
Rev. D. W., 526, 539, 540
Gundu Rao, K. V., 1363

Gundy, H. P., 870
Gunesinghe, B. A. S., 1453
Gunewardena, H. C. P., 1456
Gungwal, S., 1310
Gunjikar, K. R., 1286
Gunn, J. C., 622
K. L. S , 779
K. V. O., 1203
R. M. C., 1046, 1054
W., 345
W. F., 331
Gunner, D. L., 1004
Gunning, H. C , 713, 719
Gunson, M. M., 1006
Gunstone, F. D., 619
Gunter, C F. G., 1186
J. D. S., 1007, 1009
Gunton, J. A , 958
Guntrip, Rev. H. J. S., 172
Gunvaldsen, K M., 904
Gupta, A., 1223
Mrs. A., 1311
A. D , 1304
A. K. D , 1294
A. N., 1224
A S., 1440
B., 1258
B. B , 1306, 1312
B. K., 1340
B. L , B.A., 1394
B L., M.Sc , 1222
B. M., 1227
B P., 1227
B. S., 1228
C. B., 1304, 1311
C. B., M Com , 1413
Hon. C. B , 1336
C. H., 1374
C. L., 1417
D C., 1310
D. D., 1337
D. L., 1411
D. M., 1223
D. P., M.Ed , 1402
D. P., M Sc., 1422
G. N., 1372
G. P., 1370
G. S., 1233
H. C , 1235
H. C., Dip. Eng Calc , 1237
H. D., 1341
H. D , LL.B., 1223
H. K., 1223
H. L , 1422
H. R., 1393
I. D., 1304
I. Dass, 1304
I. S., 1392
J. B., 1258
J. C. S., 1294
J. P., 1225
K., 1311
K. C., 1297
K. K. S., 1471
K. P., 1223
K. R. S., 1361
K. S., 1470
L. C., 1397
L. D., 1240
Gupta, L. K., 1308
L. N., M Com., 1304
L. N , M.Sc , 1224
M. L., 1372
M. P., 1241
M. S., 1258, 1259
N. L., M.A., 1413
N. L., M.S., 1418
N. N., 1342, 1344
N. P., 1223
N. P., M.D., 1342
O. P., M.A., 1223
O. P., Ph.D., 1339, 1344
Mrs. P , 1293
Mrs P., Luck , 1339
P D , Agra, 1227
P D., Delhi, 1308
P. D., Ph.D., 1339
P. L , 1412
P. S., 1225
R C , 1339
Mrs. R D., 1307
R. K., 1304
R. N., 1342, 1343
R. P., 1228
R R., 1306
R. S., 1412
S , 1236
S , Delhi, 1308
S B. S., 1394
Prof. S. C., 1228
S. C., 1303
S. K , 1227
S. P., M.B., 1342
S. P , M D., 1342
S. R., 1304
S S , 1308
Mrs. S. W., 1228
V , 1228
Mrs. V , 1402
V., Delhi, 1311
Gupte, P. R., 1333
R D., 1283
R. S , 1389
Gupteswar, K., 1247
Guptill, E. W., 745
Gurewicz, S. B., 1005
Gurney, H. C. H., 544, 547
O. R., 454
R. W , 77
Gurney-Dixon, Sir S., 517
Gurtu, D. N., 1337
Guru, R., 1224
Guruswami Sastriar, R., 1254
Gurzynski, Z. S. A., 1131
Gushue, R., xxx, 793, 821, 854
Gusic, B., 379
Gustafsson, L., 139
Guthkelch, A. N., 406
Guthrie, D., 603, 991, 1098
D. M., 570
Rev. J. R., 954
M., 293
P. C. F., 715
Mrs. S. K., 406
W., 650
W. G., 662
W. K. C., 78, 87, 103
Gutkind, P. C. W., 1537
Gutmann, E., 1557
Gutmann, F., 1024
Guy, Br., 760
E F., 691
M., 158
O. V., 100
R. K., 1512
Guyler, T. W. C., 193, 194
Guyot, H., 812
Gwillim, C. M., 353
Gwynn, Rev. A., 1786, 1789
A. O., 1783
D., 1792
Rev. R. M., 1770, 1776
Gwynne, G. E., 398
Gyani, B P., 1403
Gybbon-Monypenny, G. B., 403

Haakonsen, H., 808
Haar, J., 729
Haarhoff, T. J., 1194
Haas, V., 545
Habakkuk, H. J , 449, 457
Habberjam, G. M., 175
Habeebullah, A H , 1384
K., 1384
Habgood, H. W , 871
Rev. J. S., 102, 119
Habib, I. M., 1235
M , 1236, 1238
Habibullah, A. B. M., 1467
M., 1362
V., 1249
Haché, A , 895
Hackett, B , 141
C. A , 519
Rev. J , 1783
P. E., 292
W. E. R., 1775
W. M., 645, 652
Hackforth, R , 106
Hackney, C., 582, 589
Hacobian, S., 1041
Haddakin, Mrs. L. F., 303
Haddock, P. G , 718
Haddon, A. L , 1092
Haddow, A., 205, 372, 376
G. C , 798
Mrs. R., 706
Hadek, R., 630
Haden, H., 1202
H. L., 1201
Hadfield, G. J., 68
Hadgraft, C. H., 1033
Hadi, A., 1355
N , 1235
Hadji-Argyris, J., 254
Hadland, B. R., 294
Hadley, G. D., 339
P. A. S., 87, 99
Hafeezullah, M., 1383
Hafeezullah Sahib, M. M., 1237
Hafez, Prof., 1469
Hafizuddin, M., 1234
Hagar, A. W., 940, 942
Hagborg, W. A. F., 811
Hagenbuch, W., 82, 104
Hagenzieker, F., 1523
Hagerman, E. W., 848

Hagey, J. G., 961
Haggarty, G. J., 1028
Haggen, G. L., 165, 179
Hagger, A. J., 1062
Haggis, D. R., 620
Haggith, J. W., 161
Haggitt, A. N., 1091
Hague, B., 625, 632
D C, 308
T. T., 1030
Hagyard, T., 1101
Hahlo, H. R., 1195, 1205
Hahn, Mrs. D., 31
F. H., 31
Hai, M. A., 1465
M. A., Osmania, 1386
Haider, Mrs M. J, 1238
S. S., 1481
Haig, A P., 937
N. T., 1112
Haigh, A. L., 68
S S., 415
Haight, F. A., 1107
Hailey, P. C, 471
Haines, F. M., 279, 281
R. M, 372
Hainsworth, G., 164
Hair, P. E. H., 1530
Haire, Rev. J. L. M., 665
Haist, R. E., 933
Hajarnavis, Mrs. L., 1369
Hajela, G. L., 1339
K. S., 1411
Haji, M. A., 1387
Hajimi, G. M., 1329
Hajnal-Konyi, J, 410
Hakeem, A., 1388
Hakeemuddin, M., 1385
Hakim, A., Ph.D., 1468
A., 1306
A. A., 171
M, 1467
M. A., 1222
Hakim-Ilahi, H., 292
Haksar, B. K, 1225
Halappa, G. S., 1361
Halayya, M, 1332
Halban, H. H., 471
Halberstadt, E. S., 493
Halberstam, H., 564, 565
Halbus, F. W., 949
Haldane, J. B. S., 303, 313
Haldar, K. P., 1222
M. K., 1310
Halder, A. R., 331
Halderson, H., 929
Haldher, P. K., 1222
Hale, A. J., 623
Sir E., 7
G. E. A., 1063
J. H., 1513
J. R., 446, 462
L. J., 500
R. W., 661
V. W. D., 155
Haleem, A. B. A., xxxi, 1475
Halepota, A. W., 1493
Hales, R. B., 518
Haley, D. K., 684
K. H. D., 504
Halford, C. R., 912
Halifax, Earl of, 438, 501
Halim, A., 1467
Hall, A. C., 1034
A. D., B.Sc.F., 920
A. D., M.A, 1179
A. N., 412
A. P., 645
A. R., M.A, 85, 97, 115
A. R., Ph D., 993
A. S., 1026
Rev. B., 526
C. W., 793
D., 1106
D. A., 170
D. G. E., 291, 293, 296
D. M., 244
D. O. W., 1095
E., 285
E. G., 196
E. O., 505
E. R., 728
F. M, 1024
G, LL B., 812
G., M Sc., 765
G., Ph D, 304
G. B. A., 784
G D. G., 452, 461
G. E., xxx, 957
G. F. M., 333
G. G., 81, 105
G. L., 718
G. S., 40
G. V., 1050
H. B, 190
H F, 911, 913
H K., 749
H. M., 416
H. S., 496
H. T., 412
I S., 607
I. W., 77
J. A., 917, 928
J. E, 269
J S., B Sc., 142
J. S., M A., 564
K., 37
K. R. L., 62, 1133
L, 1133
L. M, Lady, 441, 472
L. W., 95
M. E., 697
M. M. R., 933
M. P., 192
N. A., 715
Mrs. N. H, 521
N. M, 808
O, 780
P., 86, 101
R. E., 520
R. M., 698
S. B, 197
S. H., 258
V. F., 331
W. F. M., 698
W. M., 728
Hallam, H. E., 1556
Rt. Rev. W. T. T, 961
Hallamore, J., 719
Hallé, J, 768
Hallett, A. C. H., 924
G. E. M., 142, 143
Halley, J. B. W., 42
R. J., 90
Halliday, E. J., 1050
G. C., 1049
J. E., 721
M. A. K., 94
R. F., 1048
Hallinan, M. J., 1027
Halling, J., 194
Hallister, E. N., 1033, 1036
Hallwell, H. F., 575
Halloran, J. H., 503
Hallowell, E., 564
Hallpike, C. S., 363, 372
Halls, H. G., 319
Hallsworth, E. G., 428, 431
H. M., 126, 423
Hallum, J., 41
Hallur, M. S., 1407
Hallward, B. L., 424, 1501
Hally, A. D., 617
Halpenny, G. W., 781, 786
Halperin, I., 872
Halpern, J., 721
Halpert-Scanderberg, T, 723
Halsall, T. G., 396
Halsey, A. H., 37
Halstead, C. A., 620
Mrs. J., 737
Halton, J., 193
Ham, A. W., 929, 930
J. M., 927
Hambly, A. N., 999
Rev. F., 987
Hamburger, M P. L., 304
Hameed, A., 1388
Mrs. N. A., 1471
S., 1236
Hameed-ud-Din, 1479
Hamel, Rev. C., 859
J., 767
Hamelin, C., 762
L. E., 762
Hamer, D., 42, 503, 510
H, 745
Hamersma, P. J, 1157
Hames, E. W., 1107
Hamid, A., M.A., 1481, 1482
A., M.Sc., 1478
A., B.T., 1386
A., Pesh., 1487
M., 1376
Hamid Asghar, 1480
Hamida, S., 1236
Hamill, C. M., 514
Hamilton, Duke of, 643
A. G., 358
C. J. K, 196
C. W., 940
D., 1090
D. C., 940
D. G., 1050
D. I., 700
E. R., 233
F. W., 940
G. F., 580
G. M., 1146
H., 585, 591

Hamilton, J , 609
J., Ph.D , 86, 97
Johanna, 250
J. D., B.Sc., 624
J. D., M.D., 932
J. G. M., 606
J. R., 1090
K. A., 696
K. G., 1036
K. T , 990
L., M.A , 912
L., M S , 905
L. H., 792
M., 172
M. W., 410
P. Y., 851
R., B.L.S., 860
R., M.A , 32
Mrs. R., 266
R. A , 293
R. C., 788
R. W., 139
R. W , M.A., 439
W., 586
W., Sask., 910
W. D., 1791
W. J., 324, 704, 963
W. S., 994
W. S , L.D.S., 688, 689
Hamilton-Turner, C. H., 373
Hamley, E. J., 37
Hamlyn, D. W., 251
L. H , 299
Hamman, E. M , 1168, 1171
Hammer, A. G., 1045, 1046
Hammerling, J. S., 748
Hammersley, D. P., 147
J. M., 468
Hammick, D. Ll., 460, 466
Hammond, H., 109
J., 98
J. D. S., 508
P., 91
S. B., 1005, 1017
Hamouda, I. F., 1557
Hampel, L. E., 799, 801
Hampshire, S N., 448, 465
Hampson, A. C., 328
C. G., 691
Mrs. E. J., 738
E. L., 506
E. M. H., 585
H., 280
N., 398
N., M.A., 415
Hampton, J , 569
Hamson, C. J., 91, 107
Hanafi, A. R., 1476
Hanam, J., 1512
Hanbury, H. G., 452, 457
Hancock, A., 412
C. R., 259
E. E. I., 852
F. D., 1194
G. J , 280
Sir K., 231, 949
L. T., 685
N. N., 413
P. E. T., 345
Hancocks, L. T., 841
Hancox, M. K., 518
N. M., 192
Hand, R J., 871
Handa, B N., 1398
D N., 1305
Handcock, W. D., 563
Handelsman, G., 1200
Handfield-Jones, R. M., 356
Handford, C., 412
S A., 264, 391
Handiqui, K. K., 1316
Handley, E. W., 302
R S., 340
W. R. C., 443
Hands, A R., 1528
M. J., 473
Handu, N., 1343
Handy, G. R , 1455
Hanes, C. S., 930
Hanham, H. J , 399
Hanify, C P , 1031
Hanika, F. de P., 639
Hankey, G T., 335, 349
Hankins, N., 730
Hankinson, W. C., 912
Hanley, F., 90, 105
T., 508
Hanlon, F. N., 1027
Hanmanth Rao, D , 1384
Hanna, A. J., 519
Hannah, D. M., 176
J B , 131
Hannan, A. J , 991
E. J., 994
Hannant, J. H. W , 96
Hannay, J. W., 395
P. W., 603, 607
Hannell, F. G., 60
Hannen, J. T., 255
Hanrahan, F. J., 719
Hans, N., 269
Hans Raj, 1342
Hansel, C. E. M , 402
Hansen, D. R., 1204
J. M , 1159
N. R , 1025
Hansford, C. G , 980, 987
S H., 224
Hanson, A. H., 167
B. S., 985
C., 398
D., 55
E. H., 557
E. J., 694
F., 788
F. K., 793
G. R., 136
J., 415
N. R., 87
Rev. R. P. C., 428
S , 697
Hanumantha Rao, K., 1247
K. S., 1245
Hanumanthachari, D. S., 1360
Hanumattekar, S., 1363
Hanway, J. A., 753
Happold, F. C., 160
Haq, A., 1386
E., 1236
F., 1469
Haq, I., 1481
M., 1488
M. A., 1482
M N., 1489
M. W., 1237
O., 1233
Q. N., 1488
S F , 1387
Haqqi, A. H., 1236
Haque, A. K. A., 1466
S., 1465
T., 1466
Harbert, R. G M., 786
Harbic, D , 858
Harbon, S. A., 1483
Harbord, R. P., 168, 169
Harbury, C. D , 530
Harcourt, G. C., 1000
J. K , 1006
Harden, D. B., 183
Harder, J. P., 914
Hardie, A., 611
A. M., 582, 589, 1504
C., 313
C. D., 1062, 1065
C G., 444, 463
Rev J. B., 744
M. F. B., 728
W. F. R., 460
W. G , 34
Hardiman, N. J., 316
Harding, A. R , 35
D. W., 246
F. J. W., 249
F. M., 1100, 1102
H., 518
H., LL.D., 1520
H. E., 366
H. P., 193
J. F. A., 1098
Hardman, J , 510
R , 427
W. N., 964
Hardwick, C , 328
H L., 342
J. L., 30
T. J., 162, 172
Hardwicke, J., 41
Hardy, A. C., 79, 451, 464, 486
A. V., 117
A. W., 698
B. G., 250
D. R., 397
E., 925
E. A., 910
F., 1548
G. F., 151
M. L., 284
P., 293
R. M., 688, 695, 699
S. M., 34
T L., 39
W. G., 689
Hardyment, A. F., 726
Hare, A., 70
A. E. C., 162
E. H., 67
F. A., 920, 954
F. K., 777
G. C., 929

Hare, Hon. R., 240
R., M.D., 358
R. M., 448, 458
W. B., 1106
W. C. D., 608, 941
Hargreaves, A., 413
A. D., 34
E. L., 441, 465
H., 503
J., 857
J. D., 583
Harinarain, Mrs. K., 1340
Harington, Sir C., 362, 390
C. F., 1196
Hariyappa, H. L., 1363
Harker, G. F. H., 546
Harkins, J , 601
Harkness, G., 1010
H. W., 873
Mrs. M. L. R , 307
R. D., 307, 309
W. L , 1118
Harland, J. M., 807
S. C., 395, 514
W. B., 84, 100
Harle, G. A., 1025
J. A., 695
Harlech, Lord, 525
Harlen, F., 397
Harley, B. I., 309
E. L., 639
H. R. S., 558
H. S., 267
J. L., 440, 465, 466
M. B., 1529
Harley-Mason, J , 81, 98
Harlow, C. G., 620
C. M., 747, 748
N., 713
V. T., 445, 458
Harman, J. B., 358
R. A., 129
Harmer, F. E., 270, 398
Mrs. H., 713
L. C., 83, 107
Harmon, T. R., 727
Harney, P. M., 792
Harper, A. A., 146
E. M., 626
G. E., 405
J. C., 189
J. L., 451
N. D., 1002
P. C., 611
R., 166
R. A. K., 350
R. J. A , 1001
R. St. G. T., 406, 421
S. H., 263
W. F., 1543
Harpur, R. P., 792
Harries, E. H. L., 307
G. E., 556
Rev. L. P., 293
S. G., 83
Harriman, D. G. F., 171
Harrington, A. W., 635
H. R., 1026
J., 405
J. B., 906
Harris, A., M.A., 154
A., M D., 370
A. V., 781
B. F., 1106
B. J., 1524
C., 786
C. C., 175
C. F., 211, 349
C. M., 1024
C. W., 934
D. J., 1144
E., 1020
E. E., D.Litt., 1196
Enriqueta E., 242
E. J., 301
E. M., 494
F. C., 306
F. J., 1143
F. L , 564
G. H., 720
G. H. G., 205, 631, 633
G. P., 1089
G. W., 372
H , B Sc. (Econ.), 430
H , M.D., 303, 313
H A., D.Sc., 104
H. A , M.A , 579
H. A , M.D., 1557
H. S. L., 91
J. A , 715
J. E., 62
J R., 188
K E., 362
L. P., 840
M , 1069
Mrs M M., 244
N. G., 339
P. F., 57
R., 644, 651
R. G., 1535
R. H., 257
R. L , 1050
R. L. H., 169
R. S., M A., 919
R. S , M.B., 57
R. V., 392
S. N , 1152
T. A. B., 327
T. M., 493
T. Y., 1429
V. A. P., 1529
W. E., 689
Canon W. H., 579
W. J., 1528
W. J. A., 1536
W. O., 1003
Z., 756
Harrison, A. R. W., 445, 464
A. S., 233
B., 1504
C. V., 372
D., 507
D. C., 658
D. F., 406
E. L., 162
F. E., 193
F. L., 447
G., 169
G. A., 186
G. B., 1064
Harrisson, G. F., 496
G. G., 1135
G. H., 142
J., 129, 132
J. B., 293
J. E., 726
J. F. C., 177
J H., 658
J. L., 601
J. V., 444
K., 411
K. P., 80, 101
K. S., 1050
L. E., 1535
M., 1028
P. F., 1042
R. C , 698
R. D., 576
R. G., 186, 205
R. J., 335
Rev. R. K., 958, 962
R. M., 318
R. W., 58
T. J., 658
W , 450, 466
W. A , 205
W. E., 728
W. E. C , 872
Justice W. H., 847
W. J., 97
W. N. L., 1033, 1037
Harrison-Church, R. J., 271
Harriss, G. L., 128
Harrod, H. R. F., 441, 459, 475, 535, 1800
Harrold, C. E., 29, 45
J. H., 693
Harrop, A. E , 287
G. G , 801
L. B., 780
R , 140
Harrowby, Earl of, 574
Harry, W. T., 645
Harsanyi, J. C., 1036
Harswarup, 1423
Hart, A. B., 638
D. S., 1114
E. F., 1556
E. W., 339
F. D., 366
H., 518
H. L. A., 44, 452, 468, 593
Rev. H. St. J., 82, 103
I. E. J., 1132
Mrs. J. M. M., 446, 474
K. R. M., 1048
M., 815
N. C., 957
P. E., 530
W., 131
Hart-Mercer, J., 146
Hart-Smith, W., 1102
Hart-Synnot, R. V. O., 468
Hartfall, S. J., 170
Hartford, Rev. R. R., 1774, 1776
Harthoorn, A. M., 1536
Harting, P., 183
Hartland-Rowe, R. C. B., 1534

Hartland-Swann, J. J., 1512
Hartles, R. L., 193
Hartley, D. T., 405
E. M., 285
H. O., 308
J., 164
J. B., 407, 408
M., 441, 472
Hartmann, E., 380
Elizabeth, 1193
Rev. E. J., 707
F. H., 1180, 1196
Hartree, D. R., 88, 97, 435
Hartroft, W. S., 931
Hartshorn, A., 1005
Hartshorne, J. N., 395
N. H., 161
Hartwell, R. M., 1026
Hartwig, G. L. F., 1189
Harty, L., 1090
Harvey, A., 547
B. F., 280
Mrs. C. C., 563
C. J. D., 1186
D. C., 744
G., 626
G. C., 1064
G. R., 664
J. D., 940
J. W., 925
L. A., 564
L. M., 96, 114
R., 543
R. C., 645
R. F., 781
S. H., 568
S. Y., 1398
W. B., 958
W. E., 1110
W. J., 575
Harvie, D. C., 1111
Harwood, C. W., 59
E., 1033
F. W., 1063
R. V., 1092
T. A., 411
Hasaballa, A., 1557
Hasan, A., 1477
A. A. Z., 1238
A. D., 1480
H., 1233, 1235
I., 1235
J., 1383
K. A., 1468
M., M.A., 1234
M., M.Sc., 1386
M M., 1435
Q., 1223
S., D.Litt., 1240
S., Dacca, 1465
S., Delhi, 1307
S., M.A., 1403
S. A., M.A., 1223
S. A., Banaras, 1259
S. F., 1382
S. H., 1235
S. M., 1222
S. N., D.Phil., 1235, 1238
S. N., Agra, 1238
Hasan Abidi, S. M. A. H., 1376
Haseeb, A., 1234
Haselden, G. G., 255
Haselgrove, C. B., 86, 102
Hashim, M., 1387
Hashmi, A. M. Y., 1484
N. H., 1338
S H., 1383
Haskell, F. J. H., 102
M. L., 235
P. T., 259
Haslam, R. N. H., 905
Haslam-Jones, U. S., 447, 466
Haslewood, Mrs. D. C., 138
G. A. D., 327
Haslock, M. R., 650
Hasnain, S. Z , 1475
Hasnat, A., 1466
Hassall, C. H., 1542
Rev. H., 422
K. A., 492
Hassan, A., 1488
M., 1481, 1484
M. Q. G., 1329
S. B., 1487
Hassan Ishaq, M., 1556
Hasted, J. B., 307
Hastie, E. A., 693
F. J., 695, 700
Hastings, B., 53
Hasulkar, S. S., 1375
Haswell, S. V., 143
Haszeldine, R. N., 81, 104
Hatalkar, V. G., 1283
Hatcher, E. S. J., 259
G. H., 934, 936
J. D., 875
W. H., 776
Hatekar, D. J., 1370, 1371
Hatfield, W. H., 725
Hathaway, E J., 33
Hatley, A. J., 257
Hatt, S. D , 648
Hatter, J., 724
Hattersley, A. F., 1149
M. C., 1531
Hattingh, J. M., 1157
S. C., 1193
Hatto, A. T., 280, 281
Hatton, A. P., 413
Mrs. R. M., 272
Hatwalne, Mrs P., 1374
V. G., 1368
Hauger, E. G., 177
Haughton, J. P., 1772, 1773
Haultain, W. F. T., 604, 608
Hauser, A., 163
H. B., 1002
M. M., 939
Hausheer, M. R., 547
Hausman, M., 151
Havekin, T., 397
Havelka, J., 827
Havemann, H. A., 1446
Mrs. I. M. M., 1145
Havenhand, D., 504
Haverstock, A. B., 745
Havighurst, R. J., 1098
Haviland, W. E., 791
Havord, G., 1549
Hawe, P. R., 197
Hawes, R. S. J., 564
Hawgood, J. A., 34, 54
Hawirko, R., 809
Hawke, D. M., 456
F., 1194
Hawker, L. E., 58
Hawkes, C. F. C., 439, 462
C. J., 126
D., 454
Mrs. J., 321
J. G., 29
L., 245
W. F. C., 1489
Hawkesworth, Rev. E., 685
Hawkins, A. E., 287
C. A., 1048
C. F., 39
D. C., 520
E. K., 1530
J. D., 690
S. C. M., 793
W. J., 791
Hawksley, J. C., 362
M. B., 288
Hawley, Mrs. H. A., 404
J. E., 872
Haworth, G., 492
J., 405
L., 1805
P., 917
R. D., 502, 514
Hawthorn, H. B., 716
J., 637, 640
Hawthorne, A. B., 789
A. T., 169
J. N., 42
T. S. B., 426
W. R., 91, 108
Haxton, H. A , 395, 406
Hay, A. L., 583
C., 589
D., 599
G. A., 170
J. D., 195
R., 619, 639
W. D., 875
Hayat, C. M., 1488
Haycocks, N , 425, 431
Haycraft, J. B., 560
Hayden, H. A., 392
J. G., 991, 1009
Haydock, M., 652
Haye, A., 1071
A., M.A., 1479
Hayens, K. C., 645, 652
Hayes, F. R., 743
M., 1786
S. F., 601, 610, 611
W., 372
W. I., 1010
Hayhoe, F. G. J., 92
Hayhow, W. R., 299, 1035
Haylett, D. G., 1166
Hayley, H. W. B., 576
Hayman, B. I., 33
W. K., 159, 564
Hayne, D. M., 920
Haynes, B. G., 1050
B. J., 927
H. F., 1000

Haynes, L. J., 596
Haythornthwaite, R. M., 515
Hayward, G. W., 349, 376
H. M., 166
J., 550
J. W., 1089
L. D., 715
Rev. S. R. B., 1047
Haywood, C. A., 570
C. H., 1116
R. W., 91
W. A., 1071
Hazard, J., 670
J. N., 275
Hazarika, B. N., 1317
Hazlerigg, A. W., 96
Head, K. W., 608
M. R., 91
R. B., 1008
W. G., 167
Headlam-Morley, A., 446, 473
Heaf, F. B., 502
F. R. G., 558, 1518
Heafford, P. E., 442
Heagy, F. C., 960
Heal, H. G., 658
Heald, H. R., 506
Healey, E. G., 532
F. G., 33
Healy, J. F., 396
J. G., 1792
K. G., 1772
Heanley, C. L., 336, 373
Heaps, H. S., 853
Heard, C. R. C., 1142
J. F., 917
K. A., 1144
R. D. H., 775
R. G., 119
Hearle, J. W. S., 414
Hearn, Sir A., 296
Hearnshaw, L. S., 192
Heasman, Mrs. K. J., 277
Heastie, R., 281
Heath, C., 694
E. J., 140
H. R., 392
J. C. W., 1143
O. V. S., 255, 259
P., 600
Heath-Stubbs, J., 163
Heathcote, N. H. de V., 308
Heathfield, Mrs. V., 730
Heatley, N. G., 453, 463
Mrs. P., 665
Heaton, G. S., 412
Heavens, O. S., 495
Heavey, M. M., 1796
Heaysman, J. E. M., 299
Hebb, D. O., 779
F. J., 730
Hebbert, F. J., 635
Hebdon, E. A. W., 391
Hébert, C., 832
D. M., 777
F., 832
G., 830, 860, 861
H., 826
J., 861
Heblikar, K. G., 1363
Hebren, Mrs. M. E., 154
Heckscher, W., 949
Hector, Br., 761
F. J., 65
L. C., 305
Hedberg, E. A., 1052
Hedden, D. M., 801
Heddle, D. W. O., 307
Hedlin, C. P., 939
R. A., 811
Heeg, T. J., 940
Heeley, R., 515
Heese, J. de V., 1186
Hegde, K. S., 1354
Heggs, G. B. M., 355
Hegnbotham, W. B., 413
Heichelheim, F. M., 918
Heighway, H. E., 31
Heilbronn, H. A., 61, 72, 1518
Heimann, H. L., 1200
Heimrich, C. W., 799
Heine, H. G., 1113
Heins, Prof., 151
Heinz, I. T., 1017
Heinze, Sir B. T., 1004, 1013
Heitler, H., 62
Hele, T. S., 119
Helfenstein, H. G., 693
Helgason, S. B., 811
Hellawell, R. A., 1146
Helleiner, K. F. M., 925
Heller, E., 551
H. S., 66, 76
Hellier, F. F., 170
Helm, Mrs. B., 1134
Helmer, C. H., 520
Helmi, M. H., 1557
Helwig, C. E., 927
Hely, A. S., 1112
Heming, W. E., 940
Hemingway, A., 166
J., 147
J. E., 164
R. G., 619
Hemlow, J., 777
Hemmings, F. W. J., 569
W. A., 539
Hempel, F. H., 1024
Hemphill, R. E., 67
Hena, A., 1465
Henbest, H. B., 396, 422
Henchy, J. A., 1787
Hendelman, M., 787
Henderson, A., 1556
A. E., 1115
A. S., 631
C., 307
D. N., 932
E. J. A., 293
E. W., 1107
F. M., 1101
F. P., 154
G. D., 581, 591
G. F., 739
G. G., 1135
G. P., M.A., 647
G. P., Ph D., 959
H. A., 726
H. C. K., 250
H. G., 940
Henderson, H. L., 464
Rev. I., 619, 632
J., 207
Rev. J., 1092, 1096
J. A., 941
J. C. de C., 256
J. E., 811
J. G., 32
J. L., B.Sc., 533
J. L., M.A., 235
J. L., M.D., 649
J. M., 583
J. T., 273
Rev. M., 1036
M. I., 517
Mrs. M. I., 445, 472
N. K., 1032
P. D., 442, 463
P. L., 1008
R. F., 82, 98
R. W., 999
T. G., 779
U. E., 299
V. L., 928
W. O., 397, 400
W. R., 174
Hendrickson, J. R., 1513
M. H., 810
Hendrie, D. S., 617, 631
R. A., 582, 589
Hendrikz, P. A., 1179
Hendry, A., 430
A. M., 43
A. W., 1555, 1556
C. E., 936, 945
E. B., 628
J., 911
J. M., 747
R., 638
Henisch, H. K., 495
Henkel, D. J., 256
Henn, T. R., 83, 104
Henneberg, C., 812
Henneberry, G. O., 791
Hennell, Rev. M. M., 199
Hennelly, T. J., 557
Hennessey, S. G., 925
Hennessy, C. A. M., 564
Henney, E., 71
Hennig, A. M. F., 699
Henning, D. V., 617
I., 1043
M. W., 1166
W. B., 292, 456
Hennock, E. P., 575, 576
Henrikson, Mrs. H. A., 779
Henriques, E., 1544
L. F., 167
Henry, A. J., 1556
A. M., 793
A. T., 728
A. W., 694
C. B., 342
C. E., 851
C. J., 233
D. C., 396, 402
D. P., 401
D. W., 781
F., 831
F. D. C., 175

Henry, J. B., 1512
J. S., 787
K. M., 496
N. F. M., 87
P. M., 475
Mrs. R. E., 780
R. F. J., 1757
T., 637
Henshaw, D. M., 184
Hensley, L. J., 1100
W. J , 1042
Hensman, S. M., 1352
Henson, F. A., 426, 436
H., 167
J. H., 1118
R. A , 336, 370
Henstock, R., 660
Hentschel, C. C , 393
Henumanthachari, D. S. 1364
Henzell, L., 1051
Hepburn, F., 428
H. H , 698
R. W., 584
Hepner, W. A., 257
Heppleston, A. G., 556
Heptinstall, R. H , 356
Hepton, C. E. L., 161
Hepworth, M. A , 137
Heras, Rev. H., 1283
Herbert, Rev. A. S., 38
D. A , 1031, 1037
Mrs. E. L., 405
F. K., 146
G., 1193
J., 456
J. B. M., 396
R. G., 720
W. B., 738
W. E., 327
Herbertson, B. M , 93
Herbst, E , 783
P , 460
Hercus, Sir C. E., 1089, 1093, 1096
E. O., 1004
Herd, E. W., 1092
S. B., 196
Herdan, G., 67
Herdman, E. C , 205
Hereward, D., 284
Herholdt, A. de V., 1193
Heringa, L. W , 940
Herington, C. J., 396
Heriot, A. J., 331, 332
Hérisson, C. D., 1178
Herivel, J. W. J., 660
Herklots, G. A. C., xxxii, 1548
Hermes, M. C., 1805
Heron, A., 408
Herries, J. W., 1134
Herring, J., 649
T. G., 1043
Herringshaw, J. F., 255
Herriot, Mrs. C., 601
Herron, Very Rev. D. C., 1089
D. G., 1107
Hershfield, C., 927
Hershon, H., 788
Herskovits, M. J., 1527
Herstein, A., 726
Hertzman, V. O., 725
Herz, A. J., 1045
Herzenberg, A., 402
Heseltine, M. J., 1051
Hesling, E , 400
Heslop, L., 515
T. S., 407, 411
W. G., 717
Hess, G., 435
Hesse, M. B., 165
W. G., 1195
Hetherington, F. E., 881
Sir H., xxix, 617, 1502
Hettiaratchi, D. E., 1453, 1458
Hetzel, K. S , 984
Heughan, H., 597
Heumann, W., 825
Heuston, R. F. V., 452, 466
Hewat, E. G. K , 1285
Hewer, C. L., 349
H. R , 258
T. F , 66, 72
W. A. M., 928
Hewett, L. J., 59
Hewish, A , 88, 100
Hewitson, W. A , 147
Hewitt, A R., 231
D J , 1100
E. A., 128, 131
E. J., 71
H. B., 1101
J., 628
J. A., 269
M., 64
Margaret, 564
N. E., 1101
W , 205
W. H., 1131
W. P., 665
W. R. R , 1119
Hewson, G. H. P., 1774, 1777
Rev. L. A., 1178
Hey, D. H., 263
P., 165
P. D., 1143
R. W., 84
Heycock, J. B., 144
Heydecker, W , 429
Heydon, G. A. M., 1051
Heydorn, A., 1186
M. H. G., 205
Heyland, G. R., 307
Heylings, R. T , 169
Heyman, J., 91
Heymann, F. F., 307
F. G., 1198
S. C , 1199
Heymans, P., 1525
Heyns, I. de V., 1133
O. S., 1201
Heywood, H., 256
J. S., 167
P., 599
Heyworth, D. H., 59
Sir G., 475
Hibbard, G. R., 426
L. U., 993
Hibberd, F. H., 1020
Hibbert, G., 622, 639
Hibbert, A. B., 85, 101
E. S , 413
Hibon, R , 486
Hicken, W. F., 441, 472
Hickernell, L. N., 716
Hickey, Mrs. A. B., 822
B. B., 1558
E. M., 657
J. M., 874
M. F., 1035, 1037
Hickinbotham, Rev. J. P., 131
Hickinbottom, W. J., 279
Hickley, J. M., 1136
Hickling, A., 187
R A., 324
Hickman, C. J , 29
G. A., 821
Mrs. G. M., 59
J., 95
V. V., 1064
W. H., 730
Hicks, A. F., 723
C. B., 700
Sir C. S., 983
Hon. H. D., 853
J. D., 1010
J. R., 449, 458, 475
Mrs. U. K., 450
W. C. R., 520, 523
Hickson, G. F., 117
Higazi, K. A., 1557
Higgin, Mrs. D. W., 300
G. C., 691
Higginbottom, C. E., 916
Higgins, A , 1557, 1558
A. E. H., 259
Rev. A. J B., 167
B , 1016
E. M., 435, 1052
P. J., 108
R., 552
Higginson, F. St. G., 187
J. H , 176, 177
W. C. E., 396
Higgs, J. W. Y , 493, 497
M. E., 1531
S. L., 350
High, N. H., 938
Higham, A. R. C., 383
J. B., 32
J. H., 515
T. F., 438, 441, 468
Highet, J., 624
Highfield, J. R. L., 446, 464
Highnam, K C., 505
Higman, G., 400
Hignett, C., 445, 461
P. G., 630
Higson, C. W. J., 570
Hikida, H. R., 811
Hilborn, H. W., 874
Hilchey, J. D., 851
Hildebrand, J. H , 151, 183
Hildes, J. A., 813
Hildred, S. F., 883
Hildyard, Canon C., 367
Hilken, T. J. N., 96
Hill, A. B., 384

Hill, A. R., 624
A. V., 307, 313
B., 315, 386
C. G. N., 1090
C. K., 1144
C. M., 304
D., M.B., 332
Dorothy, 1033
D. C., 940
D. H., 1529, 1531
D. K., B.Sc., 507
D. K., M.A., 369
D. U., 683
D. V., 460
E C , 543
E. M., 89, 109
E. R., 574
G., 346
G. B., 1069
H., 550
H. V., 32
I. G. W., 649, 650
J. D N., 370
J. E. C , 445, 458
J. W. F , 424
K. R., 1543
M., 320
Margaret, 288
M. N., 84, 101
N. E., 246
P. A., 737
P R , 1523
R., 76
R., M.B., 65, 949
R., Ph.D , 427, 506
R. A., 1009
R. F , 33
R. L., 129
R. M. T., 315
R T. W., 640
W H. P., 785
Hille, Prof., 151
Hillenbrand, J. R., 912
Hillerud, S , 699
Hilliard, A. L., 963
F. H., 1525
J. M., 904
L. T., 273
Hillmann, H. C., 163, 179
Hills, E S., 1002
G J., 255
T. H., 328
T. L., 777
W , 1063
Hilsch, R., 75
Hilton, Mrs. E. L., 246
F. M., 987
Mrs. G., 363
Mrs. M., 33
P. J., 86
R., 358
R. H., 34
R. J., 694
T. E , 1524
Hiltz, M. C., 811
Himbury, Rev. D. M., 526
Himmel, A., 645
Himmelweit, H., 273, 355
Himus, G. W., 255
Hinchliff, B. E., 275
Hinchliffe, O., 620
Hinckley, R. T., 1032
Hincz, M. V , 833
Hinde, G. de B., 557
Rev. R. S. E., 461
Hindenach, J. C. R , 346
Hinderks, H. E , 659, 1140
Hindin, J. B., 1099
Hindley, C. B., 235
Hindmarsh, F. D., 147
W. L., 1046
Hinds, A. E., 279
S. W., 64, 66
Hiner, O S., 154
Hines, C. O., 307
H. J. G , 1031
Hingley, M., 62
R. F., 240
Hingston, Ven. J., 1793
Mrs. J., 1793
Hingwe, K. S., 1405
Hinshelwood, Sir C. N., 440, 461
Hinsley, F. B , 427
F. H., 85, 105
Hinton, H C., 491
H E , 62
J. M., 1112
N. A., 874
R W. K., 103
Hird, F. J. R , 998, 999
T. L., 646
Hiremath, L. G., 1331
R. G., 1331
Hiriyannaiya, S., 1363
Hironaka, M , 694
Hirsch, G. P H , 451
K A., 280
S , 749
Hirschfeld, O. S., 1031
Hirschhorn, J , 1027
Hirschowitz, L , 1200
Hirst, E. L , 597
F. W., 275
J., 1528
R. J , 621
R. R., 981
Hirudayaswami, A , 1351
Hiryur, N. Y., 1268
Hirzel, R., 1166
Hiscock, I. D , 1034
R., 138
Hiscocks, C. R., 810
R. D., 927
Hisey, L. G., 788
Hitch, H. J., 1031
Hitchens, R. A. N., 525, 556, 558
Hitchin, A. D., 648, 652
E., 698
Hitchman, P. J., 428
Hitchon, B., 1112
Hitschfield, W. F., 779
Ho, G. L., 1514
H. C., 1506
K. C., 1511
P., 719, 720
P. Y., 1513
R., 1512
Hoar, T. P., 87, 514
Hoar, W. S., 724
Hoare, D. E., 550
F. E., 166
Hoban, E. R., 1005
Hobart, J , 540
Hobbis, E. W., 71
Hobbs, D. C., 697
G. E , 960, 961
H. E., 346
N. B., 1146
Hobby, B. M., 451
Hobday, K. M., 937
Hobhouse, Sir A., 57
Sir J R., 186
Hobkinson, J. D., 156
Hobling, M. B., 325
Hoblyn, T. N , 393
Hobsbawm, E. J., 250
E. J. E , 101
Hobson, A. D., 141
A. F., 1051
B M., 605
B. R. A., 404
F. G., 453
G. D., 257
J. A., 339
N. H., 1006
P. M., 655
S B., 1177
W , 509
Hochschild, G , 1198
Hockey, K. C , 1119
S. L , 138
Hocking, B , 691
C. H , 130
D. M., 1017
Hockley, A. R., 520
Hodcroft, F. W., 450
Hodder, B. W., 1512
Hodgart, M. J. C., 83, 103
Hodge, B. J., 235
W. V. D., 79, 102
Hodges, D. B., 1143
D. J., 661
E., 547
H. A., 495
J. R , 297
Hodgett, G A J., 265
Hodgetts, J. E , 873
Hodgins, J W., 881
Hodgkin, A. L., 107
D. K. R., 994
Mrs. D. M , 440, 472
E P., 1071
Hodgkinson, J. F. N., 55, 574
Hodgkiss, F. D., 415
Hodgson, A. R., 1506
D R , 168
E. R , 1092, 1098
Mrs. F. M , 235
G. A., 555
G. C., 811
G. W., 699
Sir H. G., 340
J., 765
J. N., 1118
L., 139, 631
Canon L., 455, 459
N., 147
Mrs. N. H., 473

Hodgson, P., 245
P. E , 307
R A , 518
W. E , 691
Hodson, A., 520
A. L., 166
F., 494
H , 1030
J. J., 506
L M. N., 1540
T C., 119
Hoe, C M , 288
Hoehne, C. A. C , 689
Hoek, P. W., 1166
Hoeniger, F. D., 919
Hoeppli, R J C , 1514
Hoff, R , 737
Hoffa, S C., 1132
Hoffenberg, R , 1135
Hoffman, D. W., 941
G. R., 397
M. M., 785, 788
S. J , 1201, 1204
T. W., 881
Hoffmann, S , 1198
Hofmeyr, J. D. J., 1166
J. H , D.Sc., 1188
J. H., M.B., 1168
Hofstaedter, F., 743
Hogan, J., 1792
J. J., 1785
L. M , 1032
M. A , 1783, 1785, 1789
N. J., 1772
Hogarth, C. E , 430
W D , 207
Hogben, L., 39
Hogbin, F. R , 63
H. I. P., 44, 1042, 1060
Hoge, J., 1187
Hogg, A. A. M., 620
A. R , 993
B. G., 882
Mrs H. B S., 917
H. E., 413
J B., 1119
J. C , 350, 372
R., 1112
Hoggart, H. R., 156
J. S., 1008
Hogge, H. L., 695
Hoggins, G S., 31, 39
Mrs. M I , 30
Hogwood, G. E., 912
Hohler, C , 224
Hohn, E O., 694
Hohnen, R. A., 992
Hoisington, R. W. R., 1518
Hokin, L. E., 788
Holbourn, A. H. S , 584
Holbrook, G. W., 881
Holcomb, R. K., 776
Hold, P., 796
Holdaway, H. W., 1026
Holden, A. C., 1091
D., 137
E., 436
H. S., 424
J. H. W., 533
Holder, A., 985
Holder, J. M., 790
M., 719
Holdgate, M. W., 104
Holdsworth, E. S., 496
F . 426
F. W , 510
H., 1542
M., 1524
Mrs. M , 486
Hole, D. R., 494
Holford, Sir W. G , 309
Holgate, J. A., 166
N., 620
S., 127
Holinger, P. H., 379
Holker, J. S. E., 188
Holkers, P A., 159
Holladay, A. J., 445, 468
Holland, B. H., 174
C. H., 245
C. W., 748
D. C., 305
G. A , 789
L., 430
L G., 748
M. C. J , 622
R B , 139
R F , 552
R O , 327
T E , 814
T. R , 235
Hollander, H , 564
Hollard, M. G , 1114
Holleman, F D., 1185, 1187
Hollenberg, A , 812
C , 814
M. S., 812
Holley, N M , 245
Hollick, F. S J., 89, 104
Holliday, A. K , 188
C., 403
Clifford, 1457
P. C., 1549
R , 167
Holliman, F. G , 1131
Hollinger, M , 912
Hollings, M. R , 168
Hollingsworth, L. W , 293
T. H., 92
Hollingworth, B., 130
S. E., 304
Hollinrake, H., 1108, 1109
Hollins, T. H. B., 405
Hollis, R. C. G., 505
Hollond, H. A., 106
Mrs. M., 82, 108
Holloway, B W , 993
G. J., 83, 457
D. G., 576
F , 1020
Holman, M. E., 1004
R. A., 169
S , 1144
Holme, G. M., 42
Holmes, A , 598
A. S., 1032
B., 134
C. W., 128, 131
E. G., 1536, 1538
F., 537
Holmes, F. W., 1110
G. A., 446, 471
G. S , 621
I. L., 1101
J. C., 601, 610
Rev. J. H. A , 755
J M., 414
J. M., M.A., 736
J M., Ph.D., 1043
J. R , 68
J. W. H., 288
M., 63
P. P., 280, 282
R , 402
R. L., 160
W., 451, 467
W. T., 638
Holms, W. H., 618
Holroyd, F., 903
Holt, Mrs F. M., 235
G., 412
J. A. G., 76
J. C , 426
J K , 405
J. R., 191
K. S , 508
L. W , 1105, 1109
P. F , 493
R. L., 411
Rev R. V., 414, 420
Mrs. S. B., 303
S. J , 339
Holti, G , 41
Holton, F. A., 90
J. H., 791
Holttum, V. E. J., 623
Holzel, A., 406
Home, M. A., 712
Homer, J. A., 34
N. R., 33
Hon, Y. S., 1513
Honan, B. F., 1793
Honda, M., 94
Hondros, G., 1069
Hone, F. R., 984
Honey, F. I., 792
P. J , 291
Honeybone, H C., 32
R. C., 235
Honeycombe, R. W. K., 504
Honeyford, B. N., 937
Honeyman, A M., B.Sc., 426
A. M , M.A., 646
J., 263
J. M., 911
T. J., 617
Honeywell, D. M., 739
Hong Kong, Gov. of, 1503
Honicka, Mrs. C., 1179
Honigmann, E. A. J., 620
Honoré, A. M., 452, 466
Honorine, Sr., 1403
Hood, A. M., 936
F. C., 129
Mrs. J. M., 271
W. C., 925
Hoogstraten, J., 808, 813
Hooker, E. M., 30
G. T. W., 30
Hookham, M., 569

Hookings, G. A , 1107
Hool, J. N., 1027
Hoole, M. W., 414
Hooley, Mrs A., 715
F. O., 510
J. G., 715
R. F., 717
Hooper, A. G , 1186
D E., 1008
F C , 928
F. W., 199
J. G , 319
K., 327
S. S., 286
Hooykaas, C., 291
Hope, A. D., 1076
E., 422, 491
R. S., 1144
T. E., 139
Hope-Simpson, J. F., 58
Hopewell, D., 1153
H G., 1119
J. D , 509
Hopkin, D. W., 256
G. B., 602
Hopkins, A. J., 571
B. H., 874
C. A., 624
D , 1198
E. G , 1026
F., 197
H H., 258
H. J., 1101
J. F. P., 292
P. G. H., 520
P W , 70
R. H., 35, 54
W., 128
Hopkinson, Mrs. I., 569
Hopkyns, J. C. W., 696
Hopper, C. R , 808
F. E., 143
I. V., 637
R. J , 504
V. D , 1004
Hopwood, D., 1152
Hora, F. B., 493
Horadam, A. F., 1020
Mrs. E. M., 1020
Hordern, P. C., 45
Hore, F R., 939
Horgan, A. D., 465, 471
Rt. Rev. J. D., 1783, 1786, 1789
Horlick, R. L., 790
Horlock, J. H., 91, 105
Horn, D. B., 599
J., 34
L., 1168
R. P. S., 1146
Hornby, C. A , 720
J. A., 400, 418
Horne, C. J., 569
E. B., 721
G. F. T., 252, 253
G. O., 170
G. R., 706
M. R., 91
N. W., 605
P. R., 621
Horne, W. A., 629
W. R , 1031
Horner, J. A , 983, 986
R. H., 696
Horney, F. D., 942
Horning, E. S., 372
Hornsby, A., 145
Hornsey, G., 165
Hornyansky, M., 737
Horobin, G. W., 155
Horoschka, Rev. M., 708
Horowitz, S., 1093
Horrex, C , 644
Horridge, G. A., 105
Horrocks, H. D., 277
J., 1105
Horrox, W. L., 563
Horsburgh, Mrs. I. M., 420
Horsch, P , 1439
Horsfall, B., 401
M. L. O., 1063
Horsford, D. F., 664
Horsman, E. A., 128
Horsnell, A. M., 335
Horstmann, F. C , 69
Horton, Mrs. A. C., 88, 109
G. K., 692
J. A G., 144
J. W , 1195
P., 487
P F , 439
R. E , 67
Horwitz, L. H , 1200
Horwood, E. K , 1002
F. C., 443, 471
L , 721
O. P F., 1131
T , 574
Hosain, S M., 1233
Hosein, E , 775
Hosford, J P., 350
W. H., 430
Hosgood, B , 248
Hosie, R., 589
R. C., 920
Hoskin, T L , 961
Hosking, N G., 1007
Hoskins, I. H., 415
W , 313
W. G., 449
Hossack, F. A , 1197
J., 609
W. R., 917
Hossain, S. S., 1467
T., 1471
V., 1465
Z., 1464
Hossfeld, P. S., 982
Hota, S., 1434
Hotchkiss, A. T., 1042
Hotham, Lord, 153
Hotopf, W. H. N., 273
Hotson, C. V., 739
L., 102
Hotten, W. I. T., 1049
Hou, P. C., 1505
Houde, Rev. R., 858
Hough, G. G., 83, 97
J. M., 155
L., 58
Houghton, D. H., 1178, 1182
G., 638
Rev. R. E. C , 443, 466, 470
Houldsworth, Sir H. S., 160
Houpert, J., 825
Hourani, A. H., 446, 464
Hourd, M. L., 563
House, A. H., 442, 469
H. W , 467
J. W., 139
M. R., 128
W. K., 750
Househam, K. O., 1133
Housman, H. S., 1222
Houston, A. B., 812
A. H. J., 391
B. D., 147
G. F B., 623
J , 661
J. M , 444, 459, 461, 471
S. W., 876
Mrs. W. M., 144
Hovell, J. H., 342, 358
Hovey, C. M , 808
Hovy, J. W. H., 1197
How, R. B , 905
Howard, Hon. A. J P., 263
B., 986
B H., 1095
C. H. D., 265
E. M., 935
F O., 1025
H M., 721
I. P., 129, 141
J. N., 553
M. E., 265
P , 174
Canon R. W , 470
W. L., 883
Howarth, A E., 510
A. T , 171
E , 1005
F., F.L S., 255
F., M.D., 94
G B., 1024
J. N., 406
L , 61
R. G., 435, 1043, 1132
T., 395
W. D., 444, 462
W. O , 395
Howat, D. D., 639
H. T., 407
J M. L , 145
Howatt, F. F., 875
Howcroft, G. B., 395
Howe, A., 299, 647
E , 1069
G. M., 531
G. N., 1526
Howell, D. R. S., 748
D. T., 1026
F. R., 192
J. S., 42
K. J., 1051
O. R., 412
W. Eric, 570
W. E., M.S., 905
Howells, G. H., 372

Howells, L. H , 556
R. G , 546
Howes, F. S., 774, 783
H. A., 44
J. R., 1548
Howie, D., 1020
D. I. D., 1774
G., 163
J., 707
J. W., 626
R. A., 399
W. D , 1193
Howkins, J., 346, 350
Howland, R. L., 81, 104
Howlett, J. G , 785
K. E., 244
Howorth, R. H., 1524
Howrie, R. J., 515
Hoy, R. J., 294
Hoyle, A. C., 440
F., 86, 105
G., 624
J C., 331
Mrs. M D. A., 494
R. D , 256
Hoyte, D A. N., 395
Hrennikoff, A., 717
Hsieh, C L., 1505
Hsu, B F , 1505
Huang, C. T , 1505
R L , 1511
Y. Y., 1505
Huard, G., 832
Hubbard, F. G., 716
J. H , 128
T. P., 176
Hubener, J I., 848
Huber, D G , 928
Hubert, Fr , 760
Huby, R., 191
Huckell, R. G., 697
Huda, M. N., 1465, 1466
M. Z , 1468
N., 1238
N., M.Sc., 1238
Hudd, H. R., 1535
Mrs M. E. M., 1535
Huddart, A. G., 405
Huddle, E H., 1204
Hudleston, J., 184
Hudon, F., 766
G., 766
Rev. G., 865
L. E., 765
R., 760
Hudson, A. H., 155
A. W., 1119
C. B., 1050
E. G., 1513
F., 140
G., 57
G. F., 457
H., 1112
H. M., 128, 132
H. R., 1076
J., 32
Jessie, 415
J. P., 429
M. W. P., 364
R. F., 279
Hudson, R. G. S., 304
R. V., 340
T. G. F., 67
Hudson-Williams, A., 531
H. L., 137
T., 537
Huehns, G., 1098
Huet, F., 1070
Huey, R. M., 1026
Huger, Rev. G., 1307
Huggard, E. R., 538
L. H. A R., 728
Huggett, A St G. J. McC , 356
W. J., 810
Huggins, D , 814
H. D , 1544
Sir J , 1502
M. W., 927
Hugh-Jones, E. M., 441, 462
P , 1543
Hughes, A. F. W., 78, 106
C F., 535
E., B A , 1526
E., M.A., 128, 205
E. B., 40
E. D , 301, 313, 1729
E J., 576
E. W., B.Sc., 570
E. W., M.A., 140
F. N , 936
F. W , 964
G B. J , 155
Rev. G E , 1111
Gwen E., 414
G. H., 532
G K., 1042
G. M., 90, 102
G. T., 396
H., 543
H. D., 487
H. G A., 293
H. T., 234
H. V., 193
I. W , 415
J., 600
J., B.Sc., 625
J. D., 510
J. E , 984
J. F , 1011
J H., 186, 197
J. H., Glas., 639
J. P. W., 408
J. W., 546
Rev J. W , 526, 539, 541
K. H., 664
K. T., 1050
K. W , 285
Mrs. M., 345
N. F., 84
N. J. S., 545
P. B., 928
Rev. P. E., 71
R., 533, 1523
R. E., 119
R. R., 196
T. D., 1051
T. E., 251
W. H., 355
Hugill, J. T., 728
W. M., 807, 814
Hugo, Mrs. C., 1202
C. F., 1164
H. J., 1168
W. B., 427
Hugo-Brunt, M., 1503
Hui, C. S , 1504
C. Y., 1504
K. K. L., 1506
P. M , 1505
W. H., 1503
Huitson, J. J , 175
Hukku, H. H. N., 1224
S., 1309
Hulbert, M. H E., 356
Hulbig, W. J , 784
Hulin, J. P. B., 205
Hull, J , 506
K. L., 917
T. E , 721
Hulland, T. J., 942
Hullin, R. P., 161
Hulme, H. M., 303
R , 1524
Hulse, B. T., 1343
C., 507
Hulton, A. O., 502
Hum, D. M., 1543
Humayun, R. A., 1385
Humbert, E. S., 905
Rev. J , 1283
Humble, J. G , 366
R. J., 941
Hume, J., 161, 168
J. B., 349, 350
J. N. P , 924
J. S , 595
Hume-Rothery, W , 440, 505
Humphrey, G , 450, 464, 486
G. F., 1042
R., 717
R W , 1112
Humphreys, A. R., 569, 573
A. S. B., 1143
D. R., 39
D. W., 59
H. F., 55
H. L., 920
K. W , 28, 38, 184
M. E., 69
R. A., 305
Humphreys-Owen, S. P. F., 251
Humphries, C., 1787
D. W., 504
H. L., 1026
J. E., 581
W. R., 583
Humphry, R. H., 392
Hungerford, T. G., 1046
Hunkin, V., 1145
Hunnam, N. M., 287
Hunt, A., 1340
A. F., 1340
A. G., 96, 113
A. H., 350
A. J., 503
A. L , 726
Mrs. A. M., 494
C. H., 1025
E. C., 940

Hunt, H., 69
H. A. K., 1000
H. G., 1114
H. H., 902, 904
H. J., 284
J. F., 1016, 1074
J. N., 328
K. E., 451, 491
K. H., 1008
N. C., M.A., 450, 461
N. C., Ph.D., 597
R. W., 448, 458
R. W. T., 429
T. C., 355, 1547
T. E., 904
Hunten, D. N., 905
K. W., 958
Hunter, A., B.Sc., 589
A., M.A., 575
Capt. A., 640
A. C , 821, 822
A. M., 581
A. N., 570
A. R., 406
D., 336, 1140
D. A., 166
E., 576
E. F., 700
F., 142
G. B. B., 165
G. J. E., 1089
G. K., 154
H. A., 929
J., 622
J. A., 730
J. G., 1050
J. W. A , 408
L., 568
M. I. A., 352
R , 985
R. B., 650
T. G , 1047
W., M B., 629
W., M.D., 145
W., Ph.D., 638
W. B., 598
W. D. G., 799
W. R., B.Sc., 624
W. R., Ch.M., 197
Huntingford, G. W. B., 294
Huntington, F. M., 1111
Huntley, D. N., 940
H. E., 1525
Huntsman, A. G., 926
C. M., 940
Huot, G. L., 759
P. P., 834
Huq, A., 1466
A. B. M. A., 1470
A. K. F., 1468
A. K. M. S., 1466
I., 1229
Capt. M., 1473
M., M.Sc., 1468
M., Ph.D., 1465, 1466
M. E., 1470
M. S., 1468
M. S., M.A., 1468
M. S., Rajshahi, 1491
S. M. A., 1467
Hurford, Rev. R. P. D., 962
Hurlburt, F. W. B., 725
Hurley, A. C., 108
J., 1791, 1792
Hurnard, N. D., 445, 472
Hurst, C., 449, 462
C. A., 1003
G., 507
L. A., 1203
R. O., 874
Hurstfield, J , 305
Hurtig, A., 863
Hurwitz, D. B , 791
H. M. B., 251
N., 1143
Husain, A., B.Sc , 1237
A , M.A., 1235
A , M Sc., 1384, 1386, 1388
A , Osmania, 1385
A., Panjab, 1479
A H., 1388
B M. C , 199
D., 1479
I , M.A., 1234
I., M Sc., 1233
K. A., 1344
K.B M A., 1478
K. U., 1237
M , Delhi, 1306
M., Osmania, 1385, 1386
M., Panjab, 1481
M., Ph D., 1476
M , Karachi, 1475, 1480
Mohammad, 1493
M A., Panjab, 1483
M. Afzal, xxxi
M. P. A., 1388
S , 1234
Syed, 1387
S. A., D Litt., 1241
S. A., LL.B., 1382
S. E., 1338
S. M., 1238
S. M., M.B., 1389
S. N., 1226
S T., 1383
Y. A M., 1389
Z., 1219, 1233, 1238
Husaini, S. A. Q., 1467
Husband, C. D., 690
J., 396
W. H., 32
Husbands, H. W., 303
Huschilt, J., 707
Hush, N S., 58
Huson, A. G., 957
Hussain, A., B.L., 1467
A., M.A., 1436
A., Pesh., 1487
A. F. A., 1466
D., 1483
I., 1402
K. Z., 1466
M. A. M. M , 1468
Q. M., 1468
R., 1402
S M., 1467
S. M. S., 1354
S. Q., 1468
Hussain, S. Y., 1401
Hussey, J. A., 309
J. M., 285
Rev. J. M., 706
S. S., 280
Hustler, D., 284
Huston, M. J., 688, 697
Hutchappa, G. T , 1361
Hutcheon, A. T , 800
D. E., 910
N. B., 910
W. L., 906
Hutcheson, J., 648
P. A., 1112
R. T., 617
Hutchings, A. J. B., 123, 129
Hutchins, R., 1800
Hutchinson, E. M., 26
G. E., 143
G. W., 623
J., 496
J. B., 1534
M., 1005
P. B., 1548
R. W., 81
S. A., 618
W. C. A., 647
Hutchison, A., 154, 156
A. C. W., 601
H. E., 628
H. P., 1772
J., 617, 650
J. H., 627
T. S., 882
T. W., 271
W. C., 618
W. M., 640
Hutley, F. C., 1049
Hutt, Mrs. F. R., 163
M. G., 164
W. H., 1131
Hutten, E. H., 285
Hutter, O. F., 307
Hutton, Mrs. E. S., 1003
G. H , 727
J., 716
J. F. K., 29, 42
M. M., 696
P. W., 1536
R., 263
V. R. S., 1525
W. S., 97, 103
Huxley, A., 1534
A. F., 88, 107
H. E., 97
H. H., 396
J., 990, 1022
J. G. H., 983, 1518
Huxtable, Rev. W. J. F., 323
Huybers, K. A., 1009
Huysinga, A., 245, 249
Huzurbazar, V. S., 1405
Hyams, B. D., 402
Hydari, A. A., 1478
Hyde, A., 1005
B., 1000
F. E., 188, 205
H. A., 543
I., 284
S., 300

Hyder, S. Z., 1466
Hyderi, A , 1328
Hyland, H. H., 931
Hynes, H B. N., 193
Hyslop, J. M., 1195
Hytten, T., xxx, xxxiii, 422, 1062

Iball, J., 647
Ibbs, T. L , 36
Ibrahim, A A. M , 1470
H., 1556
I. A , 1555, 1556
Ibranyi, Mgr. F., 770
Ide, F. P., 926
Idris, A E W , 339, 345
M , 1471
S. M , 1487
Ievers, S. E., 494
Igarashi, P. H., 491
Iggo, A., 600
Iglesias, A. G., 519
Ignatieff, L , 959
Ikram-ul-Hassan, 1480
Iland, C. N., 67
Ilegbodu, L. A., 1531
Ilersic, A. R , 246, 567
Iles, E. J., 404
Iliffe, A. H., 576, 577
H. M , 515
J. A., 1049
M. I G., 983
Illing, V. C., 257
Illingworth, C. F W , 629, 670
C R , 400
G H., 172
J., 815
R. E., 596
R. S., 508
S., 188
Illman, O., 508
W. I , 736
Ilse, D , 1405
Ilsley, Rt. Hon J. L., 747
Imamuddin, 1385
S M., 1467
Imbeault, P. E., 762
Imbs, P., 670
Immelman, E. P., 1131
R. F. M., 1130
Impey, R. L., 1135
Imrie, J. A., 627
Inall, E. R., 993
Inamdar, V. B., 1332
Inamullah, M., 1386
Inayat Ullah, 1478
Inayatullah, Q., 1487
Ince, F. E , 246
J., 1112
W. N., 264
Ince-Jones, A. K., 364
Inch, G. R. B., 841
Ind, M. D., 540
Indar, R., 1771
India, President of, 1233, 1258, 1302, 1439, 1445
Indiresan, P. V., 1418
Indraratne, A. D. V. de S., 1452
Indurkar, A. K., 1376
Indusekhara Sastry, M., 1246
Inebnit, A. M., 285
J. P., 164
Ing, Mrs. C M., 443, 472, 474
H. R., 453
Ingersent, K. A., 429
Ingham, A. E., 86, 101
K., 1535
S. M., 1026
Ingledew, J. E., 1556
Ingleton, A. W., 251
Inglis, J. A., 1035
J. McN., 31
J. S. S., 630
W. B., 597
Ingold, C. K., 301
C. T., 249, 1547
Ingram, D. G., 941
D J. E., 518
H. V , 145
J , 319
J T., 170
K , 1544
P L., 288
W. G., 83
Inkster, J. S., 144
R G., 595
Inman, Lord, 324
M. K., 958
M. M., 1108
Innes, A., 43
D R., 697
G., 587
G , M.A , 292
Rev. H. S. R., 1036
I. R., 585
J , 604, 606
W. D., 912
Innis, D. Q., 872
H , 950
Insh, G. P., 590
Inskip, D P., 1132
Ioan-Jones, D., 557
Iqbal, M., 1481
S. M., 1329
Iredale, T., 302, 1042
Ireland, G. W., 164
J., 626
P. E., 929, 932
Irene Marie, Sr , 844
Irénée, Br., 760
Ireson, J. C , 164
Ireton, H. J. C., 924
Irons, E. J., 281, 1547
Ironside, W., 1094
Irvine, D. E. G., 90
D. J. N., 606
G., 543
Mrs. L., 790, 913
M., 410
O. R., 940
Irving, F. G., 254
H. M. N. H., 440, 470
J., M.A., Camb , 1179, 1180
J., M.A., Glas., 519
J. A., M.A., 924
J. A , M.D., 728
J. T., 1140
R. J., 1024
Irwin, C. G., 146
G. E., 864
G. W., 1512
J. D., 848
J. D., Camb., 96, 573
J. O., 384
J T., 1197
M. I., 941
N. F., 913
R., 305
R. W., 939
S. T., 657
Isaac, G., 546
I., 550
J. E., 1001
P. C. G., 138
W. E., 1131
Isaachsen, O. C., 981
Isaacs, B., 627
G., 1196
J., 280
Isaacson, I , 1205
P. E., 1515
Isaak, P. D., 723
Isabel Eugénie, Mother, 234
Isachsen, Prof., 151
Isbister, C., 1050
J , 1050
Iser, W., 621
Ishag, M. H., 1558
Ishaq, M., 1338
Ishaque, M., 1465
Isherwood, R., 193
Ishwarchandra, 1376
Islam, A , 1481
A. K. M. N , 1466
A. M. X., 1491
A. S., 1466
K , 291, 1236
M , 1465
R., 1475
R I., 1468
R. K., 1229
S., 1467
S. B , 1476
Isles, G. L., 174
K. S., 658
Ismail, M., LL.B., 1234
M., M.Sc., 1466
S. M., 1383
Israel, G. C., 1503
Israels, C. G., 807
S , 813
Israëls, M. C. G., 407
Israelstam, S. S., 1194
Israili, S., 1235
Isserlin, B. S. J., 167
Iswaran, V., 1303
Iswariah, V., 1355
Ittyerah, P. I., 1222
Ivamy, E. R. H., 305
Ivany, C., 822
Iveagh, Earl of, 1770
Iverach, J. A. D., 1093, 1094
Iversen, C. E., 1114
Ives, D. J. G., 249
J. C. J., 626
Ivey, D. G., 924
Ivin, K. J., 162
Ivins, J. D., 429

Ivor, D., 958
Ivy, G. S , 128
Iyengar, C. N. S., 1362
H. N. C , 1423
K., 1360
K. R. S., 1245
K. S., 1362, 1364
K. V., 1362
M. J N., 1362
M. N. N., 1362
M. T. R., 1362
N. L. K., 1363
P. S , 1447
S., 1370
S , M.Sc., 1385
S. R., 1333
S. V , 1388
T. R., 1360
T. V. V , 1388
V. T. T., 1362
V. V., 1388
Y. R., 1382
Iyer, A. R., 1430
A. V A., 1353
B. H., 1445
K A. S., 1339, 1344
K R. N., 1429
K. V , 1434
K V. K., 1430
S., 1427
S. S , 1430
T P. S., 1302
V. N. S., 1428
V S , 1350
Iz, F , 292

Ja'afar, Sir O. B., 1511
Jabbar, A., 1468
Jablonowski, Mrs. M. J., 308
Jack, B., 1202
D , 647, 652
D. T., 136, 137, 151
H , 647, 652
I. R J., 443, 459
K. H , 137
Jacka, R. C , 692
Jackman, Mrs. A., 277
W. A , 67
Jacks, M. L., 442, 482
Jackson, A., 871
A. A., 319
A. B., 620
A. C., 1004
Mrs. A. L., 920
A. V., 1010
C., 1008
C., D.V.Sc., 1170
C. P., 412
C. R. S., 607
C. S., 1144
D., 169
D. C , 1035
D. G , 609
D. J. J., 939
D. M., 37
D. N. R., 936
E. B. A., 205
E. G., 174
E. H. T., 256
F. B., 409
Jackson, F. L., 332
F. W , 935
G , 254
G. A. D., 537, 540
G. B , 275
G. D., 920
H., D M.R., 1203
H., F.R.C.S., 373
H., Ph.D., 409
H. H., 822
H S., 413
I , 371
I. M., 340
J. D., 778
J. E., 84
J G., 42
J H , M.A., 287
J Hampden, 95
J L., 902
J M , 646
K , 1789
K. B., 928
K. H., 535, 542, 596
K. L., 303
L. C., 61
L. H., 539
L M., 255
M., F.R C S.Ed., 1200
Margaret, 427
M. V., 933
N., 798
N. M., 415
O J. V., 336
P R., 1091
R. B., 1034
R. F., 1019
R M., B.Sc , 1529
R M., LL.D , 92, 105
R. W , 639
R. W. B., 926, 937
S. P., 1195, 1663
T. A. S., 190
V , 502
W., 261
W. D., 413
W. P. U., 1135
Jacob, C., 1253
E. F , 445, 457
G., 392
Mrs. J. M., 291
K C., 1355
L., 191
P. J., 1388
S., 1382
Jacobs, A., 793
D., 563, 565
D J., 1168
E. L., 1169
H. R., 1152
Juliane, 190
J., M.D., 555
J. A., 923
K. S., 1048
M., 444, 473
M. G., 1044
P. W. M., 255
S. E., 255
Jacobson, F. W., 1544
Jacobsz, C., 1164
Jacoby, F., 543
Jacquemin, Prof., 151
Jacques, A., 766
A. E., 793
Rev. E. J , 1353
W. A., 1119
Jadhav, V. V., 1284
Jaeger, Dr., 151
J. C , 993
L. G , 1556
Jafar, M., 1384
Jaffari, S. A , 1388
Jaffary, A. M., 1488
S. K., 936
Jaffé, A. M., 102
H. L., 382
W. P , 68
Jafri, A. R., 1234
Jagadhari, S T., 1412
Jagannadham, V., 1245, 1247
Jagannathachari, C , 1351
Jagapathy Naidu, P. R., 1348
Jagathambal, N., 1355
Jagger, L. G , 176
Jagirdar, P. J., 1370, 137
Jahgirdar, K. T., 1325
Jahn, H. A , 519
Jahoda, G , 1525
Jain, A C., 1304
B. D., 1304
B. K., 1417
B. L., 1304
B. L., M.B., 1377
B. P., 1417
B. P., LL.B., 1221
D. K., 1223
G. C., 1224
G. C., M Sc., 1394
G. R., 1225
H. C., 1223
H. M., 1304
J. C., 1283
L. C., M.Sc., 1373
L. C., Ph D , 1422
M. P., LL.M., 1307
M. P., M.A., 1219
N. G., 1372
N. L., 1223
O. P., 1417
P. C., 1240
P. C., M.A., 1412
R. D., 1243
R. K , 1370
R. S., 1223
S., 1389
S. P , 1222
V. K., 1311
V. S., 1370
Jaiswal, G. P., 1385
J. P , 1338
Jakate, M. N., 1325
Jalal-ud-Din, M., 1329
Jalaluddin, 1487
Jalland, Rev. T. G., 564
Jambunathan, S., 1382
Jameel, H. B., 1388
James, A. H., 556
A. K., 1027
B., 64
B. C. L., 32
D. B., 723

James, D. E. R., 429
D. G., xxix, 159, 517, 1501, 1518
D. M , 557
D. W., 299
Rev. E. O., 322
E. S., F.R.C S., 814
E. S., M.D., 726
Sir F , 299
F. C., xxix, 774, 776
F. W., 1032, 1034
G., 1034
G. F., 1011
G. S., B.A., 165
G. S , M.Sc., 1194
H. E. O., 234
I. M , 447
I. T., 156
J., 331
J. A., F.R.A.C S., 1094
J. A., F R C.S., 64
J. H., 207
J. W., 256
K. R., 1386
L , 95
M. E., 128, 131
M. S. C , 150
N., 809
N. D. G , 457, 459
P., 68
P. H R., 308
P. S., 165
R. D., 720
R. E. W., 29
R. I., 621
R. W., 1133
S. F., 425
S. P., 37
T. E., 265
U., 346
W. C., 954
W. O., 440, 466
W. R. L., 556, 557
W. S., 59
W. W., 31
Jameson, A. H., 269, 422
C., 233
C. E., 1356
Jamieson, H. C., 696
J. G., 172
R. A., 629
R. E., 774, 782
S , 716
W. M., 649
Jamiluddin, K., 1337
Jamison, D. G., 449, 460
Jan, A., 1487, 1488
M., 1488
S. A., 1309
Janaki Ram, G., 1446
Janakiramayya, B., 1246
Janardanam, T., 1355
Janardhan, P. B., 1349
Jandki, K., 1355
V. A. M., 1265
Jane, F. W., 284
Janeba, F. A., 999
Janes, B. V., 405
R. M., 933
Jangi, B. S., 1376
Jani, A. N., 1266
Jamil, K. M , 1476
Janisse, Rev. J. B. J., 708
Jankiamma, A. C., 1305
Jankov, N. V., 851
Janse, A. J. T., 1166
Jansen, J. A., 1513
Jansz, A. W., 1456
H. D. W., 1456
Janus, F., 408
Jao, T. I., 1504
Japolsky, L , 659
Jaques, L. B., 905
Jardine, P , 66
Jarero, E., 37
Jarman, A. O. H., 546
R , 366
T L., 59
Jarrett, A. H., 643
F G , 981
I G., 980
W F. H., 630
Jarvis, A P , 32
F., 234
Rev W. A. W , 1306
Jaspan, M A., 546
Jasper, H. H , 786
Jaswon, M. A., 257
Jatar, D P., 1422
Jatker, V. R., 1385
Jatoi, A. N. H., 1493
Jatti, V. V , 1332
Javarek, Mrs. V., 241
Javdekar, A. G., 1266
Javett, S., 1199
Jawaid, H K , 1466
Jawalkar, D. G., 1333
N. R., 1383
Jawetz, M. B., 532
Mrs. M. B., 533
Jay, K. F., 520
L J., 503
Jaya, T., 1389
Jaya Rao, A. M., 1385
G., 1447
Jayakar, Rt. Hon. M. R., 1405
Jayalakshammanni, M., 1361, 1364
Jayaraman, T. E., 1436
V. S., 1349
Jayasekara, U. D., 1452
Jayasekera, K. G., 1458
W. P., 1454
Jayasundera, B. D., 1455
L. B. T., 1454
Jayasuriya, F. R., 1452
J. E., 1452
J. H. F., 1456
M. H. F., 1453
Jayaswal, L , 1227
Jayatileke, K. N., 1453
Jayavidyacharya, C., 1371
Jayawardena, W. A., 1451
Jayawardene, P. U., 1455
Jayawickrema, N. A., 1453
Jayewardene, F. L. W., 1454
Jazbi, M. A., 1236
Jeaffreson, B. L., 184
Jean, C., 768
F. X., 758, 771
Jean, M., 759
Y., 758
Jeanneret, F. C A., 920, 938
M , 916, 938
Jeans, R. W., 920
Jeavons, S. M., 41
Jebb, E. M., 233
Jebson, W. N., 1106
Jeelani, G., 1386
Jeeves, W. N., 264
Jeffares, A. N., 982
Jeffcoate, T. N. A., 196
Jeffels, R. R., 718
Jefferis, J. D., 711
Jefferiss, F. J. G., 356
Jefferson, D. M., 1356
D. W., 163
Sir G., 205, 313
G. T., 547
J. M., 40
Jeffery, G. B., 233
G. H., 391
J. A., 1558
J. W., 251
L H , 445, 472
P M , 1071
R. L., 872
R. R., 59
Jeffrey, A. C., 1005
A. G., 168
G. A., 183
J. G., 905
J. S., 606
Jeffreys, Lady, 109
A. S., 540
Sir H., 79, 104
J. A. D., 619
M. D. W., 1194
M. V. C., 31, 44, 573
Jeffries, P. R., 981
T. O , 36
Jehu, R. M., 1144
Jelbart, J. M., 1046
Jellicoe, Rev. S., 711
Jelly, G. O., 411
J. S. O., 620
Jelonek, Z. J., 639
Jemmett, D. M., 871
Jena, S. N., 1435
Jenkin, H. E., 958
I. E. T., 300
P. M., 62
Jenking, R. I., 919
Jenkins, Canon C., 455, 459
D., 533
D. H., B.D.Sc., 929
D. H., M.B., 558
D. W. T., 537, 541
E., 540
G., 413
G. H., 1031
G. N., 143, 146
H., B.Sc., 70
H., D.Litt., 315
H. J. S., 544, 545
Rev. H. O., 396
J. D., 140
J. G., 207
J. L., 1026
J. M., 502

Jenkins, Rev. L. H., 1095
M. M , 792
R. B. M., 506
Rev. R. G. F., 1776
R. J. H., 265
R. T., 526, 538, 539
S. P , 285
W. A., xxxi, 1463, 1465
W. A., M.Sc., 851
W. J., 556
W. Ll., 523
W. M., 625
Jenkinson, E. M., 127, 132, 315
Sir H., 134
Jenne, T. G., 563
Jenner, F. H., 288
Jennett, Justice A. G., 1177
Jenning, J. E. B., 1198
Jennings, A. R., 95
B. E., 205
F. W., 630
H., 258
Sir I., xxxi, xxxiii, 108, 1140, 1182, 1207, 1501, 1518
J , 990
J. C. E , 251
J. N., 994
Hon. Mrs. M. A., 453, 472
R , 664
R. E., 307
R. Y., 92, 100
S., 630
S. A., 720
V. C , 1001
Jennison, R F., 409
Jensen, A. E., 1198
C. A., 809
K. J., 1099
N. L., 139
O., 1144
Jephcott, Sir H., 297
Jepson, D., 423
J. B , 339
N. A., 177
R. P., 509
W. F., 258
Jeremy, R., F.R.A.M., 532
R., M.B., 1050
Jerome, F. N., 940
Jerram, C. W. S., 1094
Jerrard, H. G., 519
Jervis, W. W., 60
Jessop, H. T., 302
T. E., 155
W. J. E., 1775
Jessup, F. W., 488
Jesudas, D. I., 1253
Jesudasan, C., 1428
Jesuratnam, S., 1354
Jethi, J. L., 1418
Jetté, Rev. F., 865
Jevons, W., 258
Jewell, C. A., 493
P. A., 288
Jewett, G. A., 873
Jewitt, A. R., 711
Jewkes, J., 441, 464
Jex-Blake, H., 491
Jha, C. L., 1224
Jha, G. L., 1223
H. M., 1402
J. P., 1276
L. N., 1260
S., 1401
S. D , 1304
S. N., 1337
V. S., 1379
Jhabvala, C. S. H., 1303
Jhakurdas, Mrs. F., 1305
Jhala, H. I., 1282
Jhangiani, S. M., 1311
Jharveri, K. M., 1286
M M., 1283
Jhingran, V. G., 1223
Jilani, G., 1468
Jinks, J. L., 33
Jitts, J. S., 1074
Joachim, N M. E., 125, 132
Joad, C. E. M., 253
Joarder, A. R., 1491
Job, E. M., 532
Jobberns, G., 435, 1100
Jobey, G., 147
Jobin, Dr. A., 773
A , L.Th., 762, 771
J , 769
J. B., 768
P., 766, 770
Jobson, P. L., 1049
Jocelyn, P. C., 127, 130
Joe, A , 603
Joel, M., 1091
N., 313
Jog, D. V., 1389
Joga, R., 1384
Joga Rao, C. V., 1446
Joglekar, K. S., 1375
N. B., 1264
N. M., 1371, 1372
S. D., 1374
V. D., 1322
Jogleker, J. G , 1325
Johannesen, N. H., 398
John, A. H., 271
B., 547
C. C., 1428
E., 400
E. B., 660
I. G., 532
J. E. J., 406
L., 543
L. R., 1254
M. A., 1436
M. P., 1402
R., 1336
R. W., 359
S., 272
V. V., 1222
W. J., 280, 281
Johnman, C. K., 1186
Johns, A. E., 800
E. M., 563
H. E., 905
W. H., 688, 689
Johnson, A., B.Sc., 163, 177
A., M.Sc., 404, 410, 413
Alan, 412
A. H., 959
A. I., 927
Johnson, A. L., 779
A. M., 725
Aubrey R., 525, 526, 546, 547
A. R., Aust., 980
A. S., 1355
A. W., 81, 97
B , 991
B. K., 258
B. L. C., 34
B. R. M., 339
C., 897
C. O., 1016, 1060
D. C., 91, 108
D. H , 66
D. H. N., 272
D. J. L., 37
D. S., 1513
D. W. J., 34
E., 413
Eira, 533
E. A , 1045
E. F., 352
E. L., 140
E R. L., 1068
F. H., 989, 990
F. R., M D., 501
F. R., M.D.Sc., 1006
G., 143
G. R. A., 137
G. T., 145
H. C., 305
H. D., 346
H. G., 82, 101, 949
H. G. L., 169
H. R., 502
J. F., 497
J. H., 929
K., 1006
K. E., 1030
K. L., 91
L. G., B.A., 162
L. G , M.D , 785
L. P. V., 694
M. C., 36
M. L., 299
M. S , 234
N., 1010
N. L , 308, 313
O., 177
P., 82
R. C., 1012
R. H., 399
R. H , B.A., 503
R. S., 1068
R. T., 411
S., 807
S. E., 1340
T., 811
T. A. S., 400
W., 507
W. A., 780
W. T., 62
Johnston, Dr., 151
A., 250
A. K., 1028
A. R., 935
C. M., 799
D. C., 697
Mrs. E., 1503

Johnston F., 985
F, M.D., 726
F. H., 998, 1011
Rev. G, 954
G. B., 737
G C, 728
G. R., 940
H. M., 1544
H. W., 932
J., B.Com.Sc., 397
J, M.A., 1770, 1774
J. W., 404, 1093, 1098
K. B, 787
R A., M.D., 961
R. A., M.S.A, 939
R. C., 645
R. S., 666
S. H. F., 531, 534
S R., 753
Rt Hon T., 580
T. R, 1105
W., B.C L., 784
W., M.D., 666, 669, 670
W. B., 436, 1100
W. D., 442
W. E., 303
W. J., 781
Johnstone, A S., 168, 172
D. W, 912
E. K., 1309
F. R. C, 724
G. C., 1108
J. A., 1101
J. H., 647
J. H. L, 745, 750, 752
J. M., 628
K I., 169
M W, 406
Johri, B. M., 1303
B. P., 1222
C. K., 1305
G. N., 1344
K. N., 1304
L. N, 1311
Mrs U, 1225
Joklik, W. K., 993
Joliat, E. A., 920
Jolicœur, A., 769
F., 828
Jolivet, P. A., 426
Joll, J. B., 446, 465, 471
Jolley, E. S., 520
Jolleys, A, 407
Jolliffe, A. W., 872
J. E. A., 462
M., 1555
Jolly, A. L., 1548
M., 1047
Jolowicz, H. F., 452, 457
J. A., 108
Joly, B. M., 1530
G. W., 782
J. M., 862
R., 761
Joncas, F., 831
L., 761, 764, 765
P, 761
Jonckheere, A. R., 308
Jones, A., 199
A. E., 540
Jones, A. G., 70
A. H M., 85, 100
A. M, 557
A. Morgan, 402, 407
Rev. A M., 292
A. P., 168
A. R, 148
A. S, 29
A. T., 196
A. T B., 985
A. V, 905
A W., 138
B., 153
B. C, 1504
B. M., B.Sc, 599
B. Mouat, 184, 296, 423
Sir B. M., 98
C., 544
C. A, 450
C B, 539
C D. P., 501
C. E. C., 1309
C. M, 176
C. M., M D, 749
C. Meredith, 808
C S., 1134
C. V, 194
C. W, 190
D, 538
D A, 584
D. C., B.Sc, 539
D C., M A., 415
D. C, Ph D., 279
D. G, 518
D. H., 293, 1525
Mrs. D. H., 552
D. J. G., 532
D. M., 253, 315
D. Mervyn, 441, 461
Rev. D. R., 130
D. S., 401
E., 1008
Elizabeth, 137
E., M.D., 358
E, Ph D., 659
Sir E. B., 991
E E., 427
E. G, 537
E. H., 76
E. J., 540, 550
E. L., 555
E. M., 903
E. O., 401
E. R. H., 395, 422
E. S., 195
E. T, 533
E. W., M.A., 443
E. W., M.D., 195, 196
Ethel W., 69
E. W. K., 540
F., Ph.D., 257, 392
F., 174
F. C., M.A., 60
F. C., M.D., 749
F. E., 739
F. G. W., 90
F. J., 545
F. Ll., 552
F. P., 540
F. W. P., 957, 962
Jones, G., M.A., 531
Gwenan, 530
G. A, 100
G. E., 940
G. I., 79
Mrs. G. M, 533
G O., 281
G. P., 502, 511
G. R., 999
G R. J., 164
H., B Sc. (Econ.), 570
H, M Sc., 530
H, Ph D, 257
H. A., 199
H. J. F., 452, 464
H. M, 538
H. O., 558
H W. E., 41
I, 530, 534
I. C, M Sc., 532
I C, Ph D., 193
I E., 33
I. G., 556
I. R., 555
I W., 764
J, 556
J., S.A, 1183
J, Texas, 1098
J. A. L. V., 172
J D, 505
Rev. J D, 526
J. D. T., 147
J. E, 277
J. G., 539
J. H., 557
J. I, 155
J. K N., 76, 871
J. L., 1787
J M. B., 292
J O., 452
J. P., 520
J. R, 552
J. R., Ph.D., 140
J. R. E., 532
J. T., 691
J. W., LL.M., 466
J W., Ph D., 193
K., 399
K., B.Sc., 533
L., 544
L. E., 928
Ll. I., 533
M., 142
M. A., 394
M. B., 175
M. D., 540
M G., 109
M. M. B., 569
M. T, 633
M. W., 800
N. S., 199
O. A., 1033
O. T., 97
Rev. P., 1004
P. B., 1026
P. J., 164
P. M., 398
P. O. M., 1548
R., 175
R. A., M.A., 264

Jones, R. A , M.Sc., 881
R B , 429
R. E , B.Sc., 800
R E , LL.B., 1070
R. E , M A , 872
R. H., 552
R O , M A., 266
R. O., M.D., 749
R P. N., 506
R T., 45
Rev R T., 526, 539
R V., 584
S , B.A., 537
S., M A , 620
S. J , 645
Prof T , 532
T., M A., 183
T A , 1548
T. D., 85
Rev. T. E., 526, 539
T. G., 552
T. G. H., 1031
T G J , 550
T H., 940
T. J , 205
T L , B.A., 415
T L , M Sc., 941
V , 552
V E., 558
V H , 547
Mrs V. I , 545
V S V , 102
W A., 875
W. C., 539
W. D , 533
W E , B Sc , 540
W E , M A., 293
W. G , 848, 849
W J , 422, 560
W. M , 532
W N., 244
W. R , 538
W. R. D , 545
Jones-Hughes, T , 1786
Jones-Quartey, K A. B., 1525
Jooste, C J , 1145
F. J., 1155
J. P., 1157
M , 1167
M E , 1189
Jope, E M., 658, 1789
Joplin, G. A., 993
Jopling, A. V , 1030
Joppolo, Rev. A , 865
Jopson, N B , 87, 104
Jordaan, J. C., 1169
P. G., 1185
Jordan, A , 508
A C., 1130
C., 890
D C , 939
D. O , 980
E. L., 1343
F. T. W., 193
J. W., 661
R. C., 546
Jorro, M. A. A., 35
Jory, N. A., 350
P. J., 353
Joselin, A. G., 166
Joseph, A , 1234
A C., M.A., 1351
A C., M Com , 1316
A D , 1321
B L , 60
F , 1356
J , 327
Sir K S , 457
Mrs. L. O. R , 1355
M H , 1003
M. K., 1106
M R , 1050
P C., 1429
R , 1309
W N , 1372
Josephine, Sr. M., 1354
Josephs, M , 1544
Joshi, A M , 1225
B G , 1374
B N., M.A , 1382
B N., M Sc , 1339
B S., 1280
C B , 1283
D. P , 1325
E V , 1386
G B , 1258, 1259
G. D , 1375
G L , 1222
H. A , 1323
H C., 1227
J M., 1411
J S , 1324
K C , 1337
K M , 1369
M , 1311
M D , 1337, 1344
M. G , 1371
M V , 1280
N V , 1283
P N , M A., 1324
P N , M Sc., 1285
R B , 1253
R M , LL B., 1370, 1371
R M , M Sc., 1333
R. V., 1331
R. W , 1283
S , 1370
S H , 1265
Mrs S N , 1265
S S , Agra, 1228
S S , Baroda, 1272
S S., D Sc , 1259
S. S , Ph D , 1324
T M , 1406
T. N , 1269
U. J., 1321
V. N., 1322
V R., 1266
V W , 1369
Mrs. Y , 1371
Joshi Rao, G K., 1371
Joshirao, B K , 1371
Joshua, A. K., 1351
J P., 1351
Josiffe, R J , 1036
Joslin, D M , 103
Joss, E J., 638
Jost, T , 859, 866
Josten, C. H., 485
Jothi, M. S , 1350
Jou Bienming, 1511
Joubert, C. J., 1188
C. P., 1168
E S., 1156
H. J., 1191
I. J , 1157
J., 155
J. M , 1185
P. B. M., 1167, 1171
P J , 1135
P N., 1008
W A., 1152, 1154
Joubrel, H., 772
Jourda, P , 514
Jourdan, Canon G. V , 1776
Journet, L 831
Jousse, A T , 932
Jowett, G H., 504
Joy, F L , 1534
Joyce, D. A., 921
R B , 1033
Joyner, M. S., 984
R C., 926
Joynson, R B , 427
Joynt, T A , 609
Judd, A R , 290
Mrs. H. O , 273
W. W , 959
Juddy, S. H , 1388
Judek, S., 859, 889
Juden, B V , 503
Judges, A. V., 233, 264
Judkins, W. O , 777
Judson, T. A , 712
Judy, R D , 1481
Julien, Rev B , 859
J H , 1553
L , 834
L , M D , 863
Juliette, Rev Mother, 896
Jull, E. N., 32
J W., 172
Jummarkar, S B , 1323
Jump, J D , 398
Jungmann, H , 299
Junquera, L., 313
Jupe, M H , 336
Juritz, J. W F., 1133
Jussawala, Mrs. M. F., 1387
Just, K. G , 569
Jutras, A , 832
Jutsum, P. J , 495
Juyal, G., 1223
Jyotishi, R. V., 1260

Kaberry, P. M , 300
Kabir, M., 1467
M. A., 1329
Kacere, J. C., 819
Kachroo, P. N., 1316
Kackar, G. M., 1341
Kacker, M. N., 1222
Kader, Shaikh A., 294
S. A., 1473
Kadri, A. S., 1325
W. B., 1466
Kaempffer, F. A., 722
Kahalekar, B., 1386
Kahali, S., 1296
Kahane, A., 1027

Kahn, E., 1195, 1199
H. R , 624
J. F., 1113
J H., 172
R F., 82, 101, 435
Kahn-Freund, O., 272, 573
Kaila, H. C., 1393
Kaim-Caudle, P. R , 130
Kak, D. N., 1395
Kakabadse, J. G., 412
Kakaji, T N., 1344
Kakar, R. L , 1308
Kakati, B. K., 1320
Kakde, J. R., 1368
Kakkar, K P., 1422
Kalapesi, R M , 1284
Kalbfleish, H K., 958
Kaldjian, M. J., 871
Kaldor, N., 82, 101
Kale, M. V., 1369
V. D., 1369
W. S., 1370
Kaleys, Mrs. F., 684
J , 684
Kalelkar, N. G., 1265
Kalfas, D. D. H., 1110
Kalghatgi, T. G., 1333
Kalia, B. K , 1306
P. N., 1393
Kalimullah, S. Q , 1382
Kalk, M. J., 1197
Kallen, B., 313
Kallingal, Rev. J., 1353
Kalmus, H., 303
Kalow, W., 933
Kalpagam, Mrs. R., 1351
Kalpage, F. S C., 1451
Kalyanam, N. P , 1254
Kalyanaraman, V., 1356
Kalyanasundaram, V., 1662
Kalyanasundarammal, Mrs. C., 1253
Kalz, F., 785
G. G., 784
Kamakshamma, B., 1250
Kamalamma, K. N., 1362
Kamat, B. K., 1280
C. P., 1322
G. S., 1370
L. S., 1333
Kamath, N. R., 1280
V. B., 1282
Kamdar, K. H., 1324
Kameswara Rao, T. V., 1246
Kameyama, N., 313
Kaminer, B., 1196
Kamoonpuri, M. H., 1237, 1340
Kamtekar, G. A., 1286
Kamtiker, R., 1386
Kanagasabapathy, P., 1452
Kanagasunderam, R., 1454
Kanan, C. V., 1385
Kanapathipillai, K., 1453
Kanavi, C. S., 1331
Kanbarkar, R. K., 1406
Kandel, I. L , 1800
Kane, F. F., 663
G. J., 303
Rev. G. L., 889
Kane, G. P., 1280, 1289
J. G., 1280
J. P., 1782
P. W., 1374
Y. D., 1369
Kanee, B , 725
Kaneff, S. D., 981
Kanekar, B. M., 1229
Kania, J E. A., 717
Kanji, N. L , 1402
Kanjilal, S., 1292, 1300
Kannan, M., 1255
Kannangara, C S. W., 1454
M. L. T., 1453
Kannuluik, W. G., 1004
Kant, L , 1337
S , 1259
Kanta, S., 1393
Kantak, V. Y., 1265, 1270
Kantam, J. L , 1384
Kantiah, L. G., 1388
Kapadia, B. M , 1324
E. R , 1307
G. A , 1324
K. B., 1265
K. M., 1280
Kapeller-Adler, R., 603
Kaplan, I , 1204
J. G., 745
Kapoor, A. N , 1393
B L , 1377
G. S., 1229
I M., 1400
J. N , 1308
L N , 1402
M. C , 1304
O. B. L., 1225
O. N., 1223
R., 1306
S. K., 1395
S. R , 1342
Kappanna, A. N., 1369
S , 1372
Kapur, A. N., 1307
H. R., 1274, 1277
P. N., 1417
R. S., 1222
Kar, B. C., 1317
K. K , 1435
K. R., 1304
S., 1439
Karagheusian, V. N. T., 1001
Karakraddi, B. H., 1333
Karamally, A., 1282
Karambelkar, V. W., 1375
Karamchandani, C. J., 1269
Karamsingh, 1376
Karan, M P., 1224
R., 1388
Karandikar, G. K., 1268
Mrs. K. G., 1267
K. R., 1333
M. A., 1282
Karbelkar, N. V., 1369
Kardile, K. V., 1323
Karim, A., 1468
A., M.A., 1491
A. Q. M. B., 1468
M. A., 1467
N., 1468
Karim, S. M., 1476
Kark, W., 1199
Karkare, M. G., 1371
Karki, D. S., 1333
Karlen, A. G., 1515
Karmaker, K. C., 1469
Karmalkar, B. S., 1369
Karmarkar, A. P., 1332
R. D., 1405, 1407
Karmel, P. H., 981
Karmo, E. A., 851
Karn, H., 1095
M. N., 303
R G., 342
Karnani, B. T., 1381
Karnik, H R., 1284
Karnupe, M. E., 739
Karstedt, J F., 941
Kartzmark, E. M., 807
Karunairatnam, M. C , 1456
Karunakaran, C., 1332
Karunaratne, W. S., 1453
Karve, D. D., 1406
Kashikar, S G., 1375
Kashyap, A., 1371
Mrs. A., 1338
B. N., 1222
Kaske, Rev. E F. K., 1155
Kasliwal, R. M., 1414
Kastner, L. J., 551
Kasturirangacharya, T. L , 1360
Kate, L. M., 1372
Kathavate, Y. V., 1308
Kathirgamanathan, C., 1455
Kathuria, R , 1311
Kathyayini, H. S., 1362
Katiyar, Mrs. S., 1227
Katkov, G., 471
Katrak, B. N., 1309
S. K., 1322
Katre, S. M , 1407
Katz, B., 301, 313
J., 808
L., 905
M., 1288
S. M., 1201, 1203
Kaufman, H., 778
J. C. E., 1135
Kaul, A. N., 1306
B. D., 1329
B. N., 1310
J N., 1329
K. M., 1222
M. N., 1225
O. N., 1329
R. K., 1240, 1306
R. K., B.A., 1392
R. N., 1241
S. B., 1329
S. N., 1329
T. N., 1308
Kaula, J. L., 1329
Kaung, C. H., 1304
Kauntze, R., 328
Kaur, Mrs. C. J., 1228
Kaushik, M. P., 1228
O. P., 1305
Mrs. S., 1307
S. D., 1225

Kausik, S. B., 1360
Kausukutty, C. K., 1305
Kautzky, Mrs. G., 1152
Kavanagh, J. F., 1107
Kaveeshwar, G. W., 1226
Kaw, B. L., 1329
D. N., 1329
Kay, A. W., 629
B. F., 199
H., 450
H. D., 493, 497
H. F., 62
L. R., 177
R. H., 449
S., 1204
Kay-Mouat, J. R., 77
Kaye, B. L. B., 1515
G., 1006
G. A., 1008
H., 1200
J., 1203
M , 391
M. A. G., 508
V. J., 866
Kayimi, A. A., 1402
Kayser, H. D., 256
Kazi, A. H., 1493
I. I., xxxi, 1493
J. A., 1325
N. D., 1480
Kazim, S. N., 1402
Kazimi, A. A., 1403
Kazmi, J. A., 1237
M. A. K., 1387
Kean, A. M., 570
E. A., 1544
P. M , 443, 472
Keane, A , 1027
J., 1785
Kearney, D. A., 1062, 1064
J. B., 1793
J. F., 1003
W., 1793
Kearns, H. G. H., 70
Kearton, W. J., 194
Keates, P. G., 172
Keating, B. J., 890
G , 1786
V. J., 1544
Keay, D. M., 651
M. A., 1534
Keays, C. F., 748
Kedar, V. T., 1373
Kedare, B. S., 1281
Kedavai, M. R., 1229
Keddie, R. M., 611
Kedgley, E. G., 1086
Kee, K. O., 919
Keeble, Sir F. W., 500
L. B., 403
Keefe, R. J., 905
Keegan, J. H., 44
R., 940
Keele, C. A., 340
Keeler, H. B., 904
Keeley, T. C., 469
Keen, E. M., 1071
E. N., 1130
H. H., 438, 458
J. A., 1142
Keen, P., 1204
Keenan, E., 1785
Keene, G. B., 576
Keeping, E. S , 692
Keet, A. D., 1136
B B., 1188
Keeton, G. W., 305
Kefford, G. W., 287
Keidan, S. E., 195
Keilin, D., 102
Keir, Sir D. L., 458
G. H., 308
W. A. S., 582
Keir-Fisher, D., 626
Keith, E. J., 599
H. D., 62
J. M., 205
T. J., 1077
Keith-Lucas, B., 447, 475
Keizer, W. R. 335
Kekwick, A , 339
R. A., 388
Kelder, J. C., 1187
Kelkar, Mrs. I., 1375
M. G., 1375
N. R., 1373, 1378
P. K., 1285
S V., 1332
T. G., 1388
Kellar, R. J. 604, 606
Kellas, L., 288
Keller, R. E., 399
Kellermann, E. W , 166
J. H., 1165
Kelley, E., 1514
Kellgren, J. H., 407
Kellie, A. E., 339
Kellner, C., 258
K., 519
Kellock, Rev. J., 1285
Justice R. L., 798
Kells, J. H , 302
Kelly, A , 177
A. G , 589
A. R. K , 1011
C. B., 939
C. D., 784
D., 1537
E. L., 707
F. G., 684
F. H. C., 1062
F. M , 810
G. C., 67
H. G., 874
J., 1791
Rev. J. M., 924
Rev. J. N. D., 455, 470
M. N., 1019
P. C., 849
R., 84
R. A., 875
T., 199
T. H., 1143, 1147, 1148, 1184
T. I., 1782
W. R., 1788
Kelsey, S., 254
Kelshikar, S. H., 1333
Kelso, Mrs. N. G., 938
R. F., 793
Kelvin, R. P., 308
Kemball, C., 658
C. H., 601
Kemmer, N., 119, 600
Kemp, B., 446
C., 456
D. M., B.A., 937
D. M., D.Sc., 1185
Canon E. W., 455, 461
F. H., 454
J., 647
K. O., 302
M. C., 776
P. D., 1536
P. H., 302
T., 154
T. A., 356
V. D., 1200
W. L. S., 940
Kempe, J. E., 296
Kempen, W., 1186, 1190
Kempton, A. E., 88, 97
Kench, J. E., 408
Kendal, L. P., 402
Kendall, A. W., 332
D. G., 447, 463
H A., 1177
J. P., 596, 612
M. G., 273
O. D., 60, 70
Kendon, F. S. H , 96, 105
Kendrew, J. C , 103
Kendrick, J. D., 637
Kenedi, R. M , 638
Kenins, T., 935
Kenna, J. C., 402, 410
Kennair, J. T., 138
Kennard, M A., 726, 727
Mrs. T , 1515
Kennedy, A., 146
Rev. A. C., 583
A. H , 942
B. A , 1105
C. B., 1776
C. D., 606
C M , 442, 466
Capt. D. M., 640
Rev. D. M., 1285
Rev. D. P., 1788
G. D , 720
J. D., 1797
J. E., 848
J. M., 508
L. L , 689
M. M., 1049
P. B , 567
P. J., 266
R. J., 871
S. G., 1796
Rev. V. L., 918
W. A., 1776
W. F. R., 815
W. O., 939
W. Q., 164, 435
W. R., 785
Kenner, G. W., 81, 108
Kennett, M. C. D., 96
S. J., 194
W. T. E., 920
Kenney, E. J., 103

Kennish, M., 840
Kenny, D , 722
G., 1035
M , 960
P. J., 1052
Kenrick, W. B , 28
Kenshole, G. E., 303
Kent, A , 619
B. E , 1002
H , 415
N. R., 1177
P. W , 439
S. R , 928, 945
Kenworthy, B. J., 583
Kenyon, Lord, 537
Sir F., 491
J. P , 97
K., 228
Keogh, B., 1009
C. A., 336
F. R., 551
P. P., 1004
Keohane, K W., 57
Keown, J. E , 625
Keppel-Jones, A. M , 1144
Ker, A., 81, 108
J. W., 718
N R., 95, 447, 463
Rev. R E , 665
Kerawala, S. M., 1476
Kerferd, G B., 396
Kergin, F. G , 933
Kerkut, G A., 520
Kerley, P J., 367
Kerly, L. M , 300
Kermack, D. M., 259
K A , 309
W. O , 580
Kermode, H. S , 500
J. F., 494
Kern, Dr., 151
Kerr, A., 987
A B., 629
A E., xxix, 743, 854
A. S., 197
A. W. B , 595
D. E , 714
D. G. G., 840
D. I. B , 983
D. J. A., 603
D. P., 921
G. G., 96
J., 782
J. H., 407
J. S., 1000
K. M., 745, 746
L. W., 32
M , 192
Mrs. M. H., 164
R., 571
R. B., 725
Rev. R. J., 1776
R. J. A., 519
R. V., 96
S. V., 639
T., 167
W. A., 1200
W. F. K., 665
W. R., 662
Kerrich, J. E., 1195
Kerrison, G. N., 1063
Kerry, S. S., 399
Kersey, L. R., 717
Kershaw, W. E , 192
Kerslake, D. M., 145
Kersley, G D., 65
Kertland, M. P. H , 658
Kerwin, A. J., 931
I., 765
Kesari, C S , 1276
Kesavachar, K. R., 1376
Keschner, D. A., 926
Keshab, A., 1228
Keshava, S., 1402
Kessel, I , 1199
Kesson, C W., 353
Kestelman, H., 306
Kester, H. A., 729
Kesterton, W. H., 738
Keswani, R L , 1325
Ketcheson, J. W , 941
Ketchum, J. D , 926
Ketelaar, J. A. A., 313
Ketelbey, C. D. M , 646, 652
Ketkar, C. V , 1225
G. R., 1369
Kettle, A. C., 163
D. S , 600
Kettleborough, C. F , 1008
Kettlewell, J., 413
Kevan, D. K. McE , 429
Kewalramani, G. G., 1283
M. K , 1476
Kewley, N , 170
T. H., 1043, 1046
Key, G J , 1135
S. J , 917
Keyes, G. L., 918
H M., 1804
Keyfitz, N., 738
Keynes, G., 68
R D , 88, 103
W. M , 119
Keys, A., 949
A. C., 1107
I. C. B , 427
Keyser, J W , 557
Keyter, J. de W , 1152, 1154
Khabaza, I. M., 1535
Khadilkar, C. H., 1229, 1272
Khair, M. A., 1471
Khalidi, A N , 1382
Khalifa, A. R., 1468
Khambata, F. S , 1284
Khan, A , 1443
Mrs. A., 1493
A , Agra, 1226
A., LL B., 1467
A , M.Sc , 1233
A A., M.A., 1338, 1386
A. A., M.Sc , 1236
A. A., Pesh., 1488
A. A. W., 1487
A H., 1237
A. H., B.O.L., 1387
A. H., Dacca, 1470
A. H., M.A., 1226
A. M., 1475
A. M., Ph.D., 1382
A. Q., 1237
Khan, A. R., 1229
A. R., Ph.D., 1478
A. R., Pakistan, 1663
A. S , 1229
A. W., 1389
B. A., 1234
D. A., 1388
E., 1488
F. M., 1483, 1489
Col. F. M., 1484
F. N , 1384
F. U , 1479
G. M., 1381
G. S , 1481
H., 1469
Hashmat, 1483
H. M. R., 1237
H. Z. A., 1237
I. A., 1383
I. H., 1382, 1390
J., 1488
J A , 1237
Mrs. K , 1219
K. A , 1363
Hon. K. B. M. I , 1489
K. R , 1418
M., 1466
M., M A , 1488
M A , 1480
M. A , M Sc., 1479
M. A , Pesh., 1488
M Azam, 1484
M. A A., 1383
M. A. B , 1235, 1236, 1238
M. H., M.Ed., 1234
M. H., Ph D., 1236
M Habeeb, 1385
M. I , 1488
M. M., 1384
M. N., 1241
M Q., 1383
M. R , 1233
M. R., M.A., 1488
M. S., B L., 1469
M. S., Dacca, 1466
M. S , M.A., 1234
M. S., M.Sc., 1387
M. S. A., 1386
N., 1479
Namdar, 1483
N. A., 1235
N. A., Ph.D., 1337
N. A. G., 1493
N. H., M.A., 1467
N. H., M.Sc., 1236
O., 1386
Q.-u -D., 1481
R., 1233
Miss R., 1234
R. A., 1387
S , B.Sc., 1381
S , M.A., 1234
S. A., 1466
Mrs. S. A., 1483
S. A., M.A., 1481
Hon. S. A. R., 1487
S. D., 1386
S. M., 1467
S. M. A., 1388

Khan, S. S. A., 1233
T., 1387
T. A., 1480
W., 1387
Y. H , 1382
Z , 1383
Z. A., 1381
Khandare, S. S., 1377
Khandekar, P. S., 1369
P. V , 1374
Khandelwal, R., 1382
Khanna, A. R., 1396
G. D., 1397
Mrs. P., 1307
R. S., 1305
U., 1306
V. N., 1342
Khanolkar, G. B., 1282
V. R., 1405
Khanpara, C. B., 1280
Kharche, R. N , 1370
Khardekar, B. H , 1406
Khare, B. P., 1369
D. C., 1371
H K., 1370
K. L., 1229
M. P., 1337
P L., 1389
R. L., 1421
Kharkwal, A D., 1337
Kharod, N. G., 1323
Khatri, J. D., 1305
Khawaja, A. J. Y., 1236
M A., 1479, 1481
N A , 1480
S. D., 1478
Khel, Mrs. K , 1482, 1483
Kher, P G., 1283
S. D , 1229
V G., 1375
Khera, Mrs. P., 1222
P. B., 1394
T. R , 1372
Khetani, R. M., 1323
Khew, Mrs. A B., 1515
Khogali, M. A., 1558
Khokar, M. P., 1264
Khong, B. T., 1515
Khoo, O. T., 1514
Khorana, M. L., 1279
Khoshoo, T. N., 1392
Khosla, A N., xxxi
B., 1304
M. C., 1395
N. C., 1396
Khundkar, M. H., 1466, 1469
Khundmiri, S A., 1388
Khurana, L. C., 1395
Khursheed, A. S., 1480
Khusrow, A. M. H., 1382
Khwaja, H. Y., 1282
M. I , 1235
Kiang, A. K., 1511
Kibble, W. F , 1351
Kibria, S. A. M. S., 1466
Kichlu, P. K., 1310
Kidd, D. A., 1524
E. G., 696
F., 105, 176
G. L., 192
Kidd, H., 270
I G., 644
Kidder, D. E., 171
Kiddle, M., 994, 1002
Kidwai, A. R., 1233
Kidwell, R. I., 466
Kiell, L. G., 736
Kiely, J., 1793
P., 1793
Kierans, E. W , 781, 794
Kiernan, M. K., 813
V. G., 599
Kieser, M. E., 71
Kievell, M. L., 713
Kilam, T N., 1329
Kilborn, L. G , 1505
Kilbourn, W. M., 799
Kilbride, B., 889
Kilburn, T., 397
Mrs V , 945
Kilby, B. A., 160
Kilgour, D. G , 922
J M., 812
Kilham, J. K , 174
Kille, R A , 600
Killedar, S. J , 1375
Killeen, F., 1796
Killham, E. J , 575
Killick, A. B., 1548
E M., 346
Kilmister, C. W , 265
Kilner, F. A., 1134
T P , 454, 467
Kilpatrick, Prof., 151
F. R., 328
Rev G D , 455, 466
Rev. G. G. D., 793, 794
J. A , 1094
Kimball, G V., 801
Kimble, D., 1525
Kincaide, C. M , 747
G. F., 725
Kindell, W. J , 565
Kindermaan, H , 549
King, A., 1070
A J , 336
A M , 77
A. S., 68
B. C , 620
B. E., 92, 102
C. A , 903
C. A. M , 426, 436
C. D , 304
C. S., 1063
D. L., 1114
E. F., 366, 371
E. J., 264, 372, 375, 1518
E M., 821
E. S. J., 1010
F , 960
F C , 1774
F E., 424
F. H. H., 1504
G., D.Sc., 355
G , F.R.C.S., 1505, 1507
G. W., 301
H., 154
H. A , 950
H. J., 175
H. J. S , 391
King, H. K., 187
H M., 714
H. W. H., 994
J , 595
J D., 333
J O. L., 193
J W., M.A., 585
J W., M.Sc., 1178, 1179
J. W. H., 280
K C., 426
L C , 1144
Mrs M., 1506
M A , 940
Rev. N. Q., 428
P. A , 506, 509
P. C , 882
P. M., 1537
R , M A., 718
Ruth, 562, 565
R F., 34
R. O., 928
R. W., B.Sc., 695
R. W., M.A., 538
S K , 1143
S. Y., 1504
T J., 425
T S., 501
W. B. R., 84, 102
W. H., B.Sc., 1134
W H , Ph.D., 235
King-Hamilton, A., 249
Kinghorn, A., 143
Kingma, H , 862
Kingscote, A. A., 942
Kingsford, R J. L , 96, 97
Kingsley, C. S , 1169
Kingston, Rev. P., 894, 895
Rev. P. J., 897
W. R., 1007, 1009
Kingswood, V. S , 392
Kington, G. L., 581
Kinley, C. E., 749
Kinloch, D., 538
Kinlock, A. M., 531
Kinmonth, J. B., 359
Kinnear, A. A., 1169
J., 649
J. K , 791
J. S., 651
N. A , 1771
T. W. G , 605
Kinnier-Wilson, J. V., 923
Kinsey, T. E., 619
Kinsley, J., 551
Kinsman, E., 840
G. B., 851
I., 1005
R P , 726
Kinvig, R. H., 33, 949
Kiparsky, V., 37, 54
Kipkie, G. F., 875
Kipling, J. J., 153
Kippen, D. L., 812
Kipping, F. B., 80, 105
Kipps, A., 1136
Kiralfy, A. K. R., 265
Kirby, E. S., 1504
L. F. C., 716
Kirchner, W. G., 1028
Kirk, A., 191

Kirk, G. R , 1094
G. S., 81, 108
M., 164
N. H., 531
R , 1557
R. L., 1071
R. M., 263
T. E., 747
W., 583
W. R. J , 937
Kirkaldy, H. S., 86, 103
J. F., 280
Kirkby, W. A., 507
Kirkconnell, W., xxix, 683, 854
Kirkham, K. E., 90
R. M., 61
Kirkland, A. A., 650
D. P., 1025
Kirkness, J. A., 1105
Kirkpatrick, C. B., 1026
C. R., 64
E. R. G., 651
H. W., 753
J. B , 790, 794
J. G , 784
R. M., 1047
T. P. C., 1780
T. W., 1549
Kirkup, J. H., 183
Kirkus, A. M., 492
Kirkwood, K., 439
Mrs. M. M., 919
S., 800
Kirsch, M., 715
Kirschbaum, J., 827
Kirschberg, L. S. S., 787
Kirsten, J. F., 1187
Kirtane, V. B., 1283
Kirtisinghe, P., 1453
Kirwan, R. W., 1772
Kirwan-Taylor, H. G , 353
Kirwood, Mrs. M. E., 1147
Kisby, C., 176
Kishore, A. J., xxxi, 1336
J., 1310
R., 1226
Kisner, C. D., 1204
Kissane, Rt. Rev. Mgr. E., 1782
Kissling, J. H., 1119
Kitai, R., 1198
Kitchen, E. M., 1026
H. D., 812
L. C., 801
Kitchener, J. A., 255
Kitching, E. H., 402, 410
J. A., 62
Kitchlu, V., 1219
Kitroo, N. L , 1329
Kitson, N. W., 569
Kitto, H. D. F., 58, 76
Kittrell, F. P., 1267
Kitts, W. D., 714
Klass, A. A , 806, 814
M., 1203
N S., 1201
Klassen, E. L., 941
Klatzo, I., 788
Klee, G. G., 736
Kleeman, A. W., 982
Kleerekoper, H., 800
Klein, A. F., 936
J., 37
Kleinig, C. R., 986
Kleinot, S., 1204
Klem, Rev. L. J., 920
Klemm, G. H., 1034
Klemperer, O., 258
Klepp, H., 36
Kless, M., 1201
Kletts, N , 407
Kleynhans, W. A., 1183
Klibansky, R., 778, 833
Klimoff, C., 764
Klinck, C. F., 958
Kling, S., 698
Klingender, F. D., 155
Klingopoulos, G. D., 503
Klop, U H., 1131
Kloppers, P. J., 1169
Klotz, M. O , 863
Klugman, D. H., 1199
Klyne, W., 369
Knanolkar, A. L., 1370
Knapp, B. N., 36
F. M., 718
P. E , 640
W F., 450, 471
Kneale, Mrs. M., 448, 472
W. C , 448, 461
Kneebone, G T., 246
Kneeland, S. F., 912
Knight, A. H J., 85, 107
A. R , 585
B. C. J. G., 495
C. R., 1105, 1109
D., 245
D. J , 919
E. M., 319
Rev. G. A. F., 1090, 1092
G. C., 288, 373
G. H., 40
G. W., 163
J. N., 1102
J. S , 31
K. G , 575
Mrs. M., 585
R. C., 551
R. H , 36
W. F. J , 562
Knighton, A. L., 177
Knights, L. C., 59
Knipe, S. F., 1135
Knocker, P. H. L., 1204
Knop, O., 853
Knöpfelmacher, F., 308
Knorring, O. von, 164
Knott, B. I , 619
D. R., 1906
E., 1772, 1773
F. A., 328
Knott-Craig, A. D., 1137
Knowland, A. S., 662
Knowles, C , 401
C. C., 194
D., 189, 205
E. C., 791
F. W., 743
Mme. J., 33
Knowles, Rev. M. C., 85, 103, 435
N. R , 661
R. A. S., 220
R. H., 694, 700
V., 394, 396
Knowles-Williams, G., 1163
Knowlson, H., 69
Knox, A. D., 271
E. G., 144
F. A., 873
G. A., 1101
H. M., 658
J., 519
J., M.B., 627
J. A. C., 277
J. H., 596
M. A., 601, 610, 611
R., 327
R. G., 939, 942
R. S., 919
S. R. I , 139
T. M , xxix, 643, 655
W. R., 657
Knox-Davis, P. S., 1146
Knox-Shaw, T., 106
Ko, A., 1506
T., 55
Koch, A. C. E., 1456
L. E., 1027
S. W., 911
Koch-Emmery, E. K. T., 1076
Kochak, U. S., 1241
Kochar, H. V., 1228
Kodasi, S. B., 1229
Koefoed, H. A., 308
Koen, G. M., 1164
J. G., 1165
Koenig, H. P., 761, 764
Koenigsberger, F., 413
H. G., 397, 400
Kohli, R., 1308
R. K., 1228
S. S., 1309
Kohnstam, G., 127, 131
Kok, B., 1151, 1154
O. V. S., 1168
Kokan, A. R., 1235
M. Y., 1349
Kokernitz, H., 183
Kolbuszewski, J., 32
Kolge, K. S., 1281
Kolhatkar, V. Y., 1264, 1270
Kolisko, G., 504
Kolkhorst, G. A., 450, 470
Koller, P. C., 370
Kolnai, A., 764
Kololgi, S. D., 1332
Kolte, D. T., 1376
V. B., 1373
Koman, V., 1351
Komins, C., 1203
Komrower, G. M., 406
Kon, Mrs. P. M., 496
S. K., 496
Kondic, V., 35
Kondra, P. A., 811
Konger, D., 1317
Konovalov, S., 450, 465
Konstam, P. G., 1530

Kontak, W., 889
Koole, A. J. C., 1152
Koop, G. W., 235
Kopal, Z., 401, 422
Koppe, H., 723
Koranne, S. B., 1376
Koreshi, B. A., 1478, 1479
Korgaokar, M. N., 1325
Korner, S., 61, 76
Korsah, Sir K A., 1523
Korvin-Kroukovsky, Prof., 151
Kosa, J., 913
Koselleck, R. F. R., 60
Koshy, K. T., 1427
Koster, B. M., 876
Rev. J. R., 1525
Kosterlitz, H. W., 585
Kostka, V. J , 807
Kotasthane, W. V., 1324
Kothare, S. S., 1373
Kothari, A. B , 1268
B. P., 1265
D. S , 1310
S. S., 1226
S. T., 1266
Kothurkar, V. K., 1405
Kottegode, S. R., 1456
Kotwal, G. R., 1325
J. P., 1285
Kotze, A. J., 1197
J. C., 1136
P. L , 1145
Kourilski, R., 772
Koutaissoff, E., 31
Kozakiewicz, W., 778
Krailsheimer, A. J., 620
Krajina, V., 715, 718
Kral, V. A., 788
Kramer, H., 992
I. R. H., 370
M. S., 1199
P. J., 1146
Kramers, Prof., 261
Krank, E. H., 777
Kratzing, C. C., 992
Krausey, B., 1200
Kravetz, A. J., 927
Krebs, H. A., 439, 468, 514
Kreielsheimer, K. S., 1108
Kreisel, G., 495
H., 691
Kremer, M., 339, 345, 379
Kreutzer, J., 930
Krieger, A., 763
S., 763
Krieger-Dunas, C. C., 923
Kriek, J. C., 1168
Kriel, D. J., 1185
Krige, C. F., 1201
E. C. B. J., 1145
G. J. R., 1185
J. D., 1145
Krijgsman, B. J., 1134
Krishan, B., 1306
Krishmanachari, C. T., 1351
Krishna, B., 1342
J., 1417
K. G., 1388
N. G., 1303
Krishna, R , Agra, 1227
R., M.A., 1305
V. S., xxx, 1245
Krishna Murthy, K., 1363
S., 1361
Krishna Rao, J. S. R., 1247
K. V., 1385
M. V., 1361
Krishna Sastry, K. V., 1362
Krishnamachari, S. T., 1246
Krishnamacharlu, P., 1356
Krishnamma, B. G. R., 1387
Krishnamurthi, B. N , 1363
Krishnamurthy, B. V., 1280
K., B.Sc., 1269
K., M.A., 1316
K , Ph.D., 1333
M., 1304
Krishnamurthy Rao, M. R., 1446
Krishnamurti, C. S., 1332
D. V., 1350
G. N., 1361
K , 1369, 1378
M., 1355
R , Madras, 1350
R., M.A , 1265
S , B Sc., 1349
S., M.A., 1364
S., M.Sc., 1252
S., Ph.D , 1252, 1255
T. S. G., 1247
V. S., 1253
Krishnamurti Rao, J., 1254, 1255
Krishnamurty, B., 1246, 1247
V., 1246
Krishnan, A. L., 1350
B., 1362
G., 1349
K. V., 1293
R. S., 1447
S., 1356
S. M., 1357
V. S., 1349
Krishnan Nair, K , 1446
Krishnan Nayar, S., 1350
Krishnanand, 1224
Krishnaswami, A., 1233
K. R., 1445
N., 1356
Mrs. S., 1364
Krishnaswami Chetti, S. T., 1246
Krishnaswamiengar, B. S., 1361
Krishnaswamy, S., 1349
Mrs. S., 1361
T. N., 1446
Kristjanson, A. M., 907
Kritzinger, H. M., 1146
J. H., M.A., 1170
J. H., M.Sc., 1185
M. S. B., 1163
Kroeze, J. H., 1157
Krohn, P. L., 28
Krol, J., 808
Kronfeld, D. S., 1034
Kronheimer, E. H., 251
Krook, Mrs. D., 83
Kropp, B. N., 874
Krotkov, G., 870
V. N , 874
Kruger, B. J., 1035
C. J. v. Z., 1164
Kruger, D. W , 1156, 1159
Krupko, S., 1194
Kruszynski, J., 192
Kshirsagar, A. M., 1281
M. G., 1370
N. S , 1374
Kuanar, D. C , 1434
Kubinski, Z. M., 1556
Kuchela, K. N , 1362
Kuckartz, Rev. G., 867
Kuehner, A. L , 711
Kuenstler, P. H. K , 69
Kuhl, E. P., 670
Kuhn, H. G., 449, 458
K. H., 129
Kuipers, A. H , 723
L., 1518
Kularatnam, K., 1452
Kulasuriya, A. S., 1453
Kulka, D., 35
Kulkarni, S. M., 1373
Kulkarni, B. R., 1332
B. S., M.A., 1332
B. S , Ph D., 1384
D. B., 1369
G. A., 1333
G. B., 1284
G J., 1322
G. M., M.A., 1332
G. M., Nag., 1375
H. B., 1387
H. L., 1332
H. S., 1371
N., 1388
N. R., 1333
P. H., 1372
R S , 1374
V G., 1332
V. H., 1283
W. I., 1285
Kulkarni-Jatkar, S. K., 1405
Kulkerni, D. S , 1389
Kulshreshtha, C. M., 1306
P. N., 1229
Kulti, A. R., 1388
Kumar, A., 1342
Abhaya, 1342
D. A., xxxi, 1392, 1398
K., Agra, 1224
K , M.A., 1226
K., M.Sc., 1393
L. S. S., 1405, 1406
R. K., 1396, 1397
S , M.A., 1307, 1310
S., M.B., 1393
S., M.Sc., 1222
S., Ph.D., 1221
Kumari, N. K., 1389
R., 1311
S., 1303
Mrs. S., 1340
Shakuntala, 1388
Kumarswami-Raja, P. S., 1434
Kumria, R. L., 1304

Kumria, R R., 1396
Kumta, S B., 1322
Kumuthavalli Ammal, Mrs. V. P., 1255
Kunchithapadam, N., 1447
Kundanani, K. M., 1282
Kunhi Raman, C., 1354, 1358
Kunjamma, M., 1252
Kunjunni Raja, K., 1350
Kunte, D. M., 1377
Kuntzel, A , 183
Kunwar, K. B., 1342
Kuper, L , 1145, 1148
Kuperman, I. B. Z , 1196
Kupsch, W. O., 904, 906
Kuraishi, B. A , 1481
Kureishy, A. W., 1235
Kureshi, K. U., 1479
Kuriathadam, Rev. J., 1429
Kurien, P. C., 1255
Kuriyan, G., 1348
Kurth, E. E., 1062
Kurti, N., 449, 459
Kurulkar, G. M., 1284
Kurz, O , 242
Kurzer, F., 345
Kuschlick, P., 1199
Kushlick, I., 1196
Kushnarov, H., 911
Kushner, Mrs. E., 780
Kutschke, K., 858
Kuttiah, Rev. M., 1429
Kuttner, B., 35
Kutty, D., 1342
Mrs. L. K., 1351
Kutumbiah, P., 1356
Kvan, Rev E., 1505, 1506
Kwapong, A. A., 1524
Kwok, D., 1504
Kydd, J. A , 273
Kylasanatha Kurukkal, K., 1453
Kyle, A. S., 1115
J. B., 76
W. M., 1033
Kyles, J., 600
W. B., 626
Kynch, G. J., 532

L'Abbé, M., 826
L'Archevêque, A., 829
P., 761
L'Ecuyer, P., 759
L'Heureux, W. J., 959
La Brie, F. E., 922
R., 895
La Brooy, W. J. F., 1452
La Chapelle, R., 784
La Fontaine, J., 1537
a Grange, A. J., 1175, 1186
L. J. D., 1163
LaHam, Q., 858
La Nauze, J. A., 1000
La Touche, C. J. P., 169, 170
D. A. A., 173
Labarre, J., 827
Labbé, A., 858
Labelle, G., 835
Rev. H , 900
Labhaya, R., 1319
Labonté, Rev. G., 827
Labowsky, L., 473
Labrecque, C , 834
P., 759
R., 831
Labrèque, A., 766
Labrie, J. A., 759
Labuschagne, F. J., 1155
Laby, J. E., 1004
Lacerte, J , 768
Mrs J., 764
Lacey, B. W , 366
H. J , 573
M. S., 255
W. K., 104
W. S., 537
Lachance, Rev. L., 833
W , 769
Lachapelle, J. P., 829
Lachmann, L M , 1194
Lack, D., 451, 486, 540
V J. F , 336
Lacombe, H , 858
Lacoste, Abbé N., 828
P., 833
Lacouline, P., 770
Lacourcière, L., 759, 761, 762, 772
Lacroix, Rev. B. M , 833
G., 766
Lacy, E. D , 34, 514
Ladborough, R. W., 84, 102
Ladbury, J. W., 249
Ladd, C A., 645
D. R., 957
Laddha, G S., 1349
Laddu, R. D., 1225
Ladell, W. S. S., 300
Ladkin, R. G , 1536
Ladner, D , 730
L. J., 720
Laffan, R. G. D., 103, 119
Lafitte, Prof., 772
P., 1005
Lafond, A., 762
Lafontaine, Rev. P. H., 864
Laframboise, G., 863
Rev. J. C., 866
Lafrenière, T. J., 826
Lagarde, I , 829
Lagesse, J. R., 1553
Lagouros, A., 1194
Lahey, F. N., 1031
Lahiri, A. K., 1470
Laidlaw, A., 890
A. F., 435
S. I. A., 629
W. A., 279
W. B. R., 1108
Laidler, F. F., 233
Laight, J. C., 1194
Laimon, S., 902
Laing, A., B.A. (Econ.), 129
A., M.A., 163
D., 1505
E. V., 582
J , 1197
J. A., 68
P. W., 288
Laird, A. M. 638
Laird, A. P , 627
D. G. 714
E. R., 963
H. C., 872
H. P., 335
I. M., 874
M., 1112
R. C., 933
Laithwaite, A. B., 722
E. R., 397
Lajeunesse, Rev. E. J., 707
Lakdawala, D T., 1280
Lake, H. F , 144
H. J., 146
L. H., 145
R. H. N , 555
Lakhani, T. B., 1307
Lakhia, C. R., 1322
Laking, L , 799
Lakkapparai, B., 1355
Lakshmana Rao, A . 1246, 1251
Lakshmanamurty, M., 1246
Lakshmanan, S , 1255
Lakshminaraniah, N , 1360
Lakshminarayanan, S., 1351
V., 1413
Lakshmipathi Rao, E., 1248
Lakshmipathi, B. M., 1358
Lal, A , 1259
A. B , 1241
B , M.D , 1342
B., M Sc., 1393
C , 1393
C. R. B., 1340
D. N., 1402
H., 1305, 1312
Hardwari, 1394, 1397
J., 1329
K., M.A , 1306
K , M.Sc., 1392
K. C., 1339
K. M., 1338
M., 1223
M., Delhi, 1306
M. B., D.Sc , 313, 1339
M. B., M.A., 1259
N., 1393
N. R., 1386
P., 1328
P. K., 1344
R., 1303
R. M., 1339
R. N., 1225
S., 1228
Sikander, 1394
S. B , 1237
S. M., 1383
S. S , 1387
Lalande, Mrs. E., 859
G., 834
Laliberté, A., 838
H., 768
I.., 763
M., 762, 770
M. P., 761, 765
Lalkow, D. I., 739
Lall, Mrs. H., 1483
S. S., 1421
Lallier, Mgr. M., 772

Lalwani, K. C., 1304
Lalye, P. G., 1387
Lam, C M., 1505
S. M., 1507
Lamarre, P. H., 763
Lamb, A. B., 695
C. St. J., 1026
J , 256
Rev. J. A , 609
N. J., 190, 205
Rev. P. J., 178
R. T., 781
S. S., 1524
W. K., 860
W. L , 606
Lambek, J., 778
Lambert, A., 830
A. M., 134
B., 464
H. M., 290
J. D , 441, 468
J M , 517
K. S., 1530
M , 764
O., 234
T. H., 303
V., 379
V. F., 410
W. E., 779
Lamberton, A. H., 502
D. M., 1019
Lambertson, C. L., 744, 755
Lambie, C. G., 1050
Lamble, J. H., 443
T. C., 1020
Lambrechts, G., 84
Lambrick, H T., 465
Lambton, A K. S , 292
Lamchen, M., 1131
Lamerton, L. F., 372
Lamgor, R. N., 1225
Laming, F. M., 427
Lammie, G. A., 55, 193
Lamming, G E., 429
Lamond, S. R , 1556
Lamont, H. G., 661
W. D., 622
Lamontagne, M., 765
Lamothe, A., 831
G., 762
J. U. R. G , 883
Lamoureux, L., 830
M., 832
Rev. R., 866, 867
Lampard, D., 691
Lampard-Vachell, B. G., 562
Lampe, Rev. G. W. H., 38
Lamphee, A. D , 985
Lamprecht, D. C., 1171
Lanctôt, G., 860
Rev. L., 866
Lanczi, E , 1025
Land, C. E. L., 430
E. T., 626
F. W., 188
Landa, L. A., 491
Landau, E., 352
M. E., 346
Landauer, S. R., 396
Landecker, K., 1045
Landells, J. W., 336
Landels, J. G., 153
Lander, F. P. I., 345
H., 983
J. R., 1524
Landers, W. M., 264
Landgrebe, F. W., 557
Landon, P. A., 452, 468
Landreau, G., 835
Landreth, W. H., 1112
Landreville, A., 826
Landrigan, Rev. L. W , 886
Landry, Rev. A. M., 833
J , 764
Rev. P., 894
Rev. Z., 894, 895
Landsberg, P T., 584
Landsman, J. B., 627
Lane, G. R., 517
N D., 800
P. A , 154
R. E., 407, 408
S. H., 939
T. H., 941
T. J D., 1775
W R., 1032
Lang, D. M., 292, 296
H. W , 801
J. G , 70
M. P., 1115
R., 1135
T J F., 924
W. A., 699
Langan, I. W., 414
Langdon, Mrs. E. M., 235
F. C., 1077
R. F. N., 1031
Lange, E., 261
V., 670
Langer, G., 1146
Langerman, S. M , 1132
Langford, A. L., 711
G. B., 921
R. R., 926
Langford-Jones, W., 414
Langford-Smith, T., 994
Langhorne, T. B., 639
Langille, R. A., 851
W. M., 851
Langlais, A., 766
Langlands, B. W., 1535
Langley, E. F., 1052
F. A., 408, 409
G. J , 903
J. A., 59
J. A., Canada, 793
J. H., 73
M., 254
P. D., 1005
R. L., 171
Langlois, C., 760
M., 763, 768
R., 767
Langmaid, C., 558
Langston, F. R. G., 728
Lanjewar, M. M , 1370
Lannigan, R., 42
Lannon, J., 1199
Lansbury, T. J., 1523
Lansdown, A. V., 1144
Lansdown, L. P., 813
Laperrière, V., 769
Lapointe, D., 768
G., 769
H., 767
J., 762
M., 784
P. C., 764
Lapp, H. M., 810
Lapwood, E. R., 87
Lara, M. V. de, 190
Larchet, J. F., 1786
Large, D., 1773
D. C., 518
D. K., 1045
G. C., 729
Larivière, Mme. H., 780
P , 831
P. M., 832
Lark, P. D., 1024
Larkin, D. M., 1797
P , 1796
P A., D.Phil., 724
P A., M.A , 666
Rev. W. P., 1791
Larochelle, E , 764
J L., 767
L. N., 768
P., 768
Larocque, A , 864
Larose, A. F., 824, 827
R., 827
Larsen, B , 379
T., 718
Larson, A. G , 808
L. H., 1046
Larter, J. E. I., 1534
Larue, A., 763
G H , 768
L., 768
Larwood, H. J. C., 188
Lascelles, F. W., 345
J., 440
M. M., 442, 472
Lash, S. D , 871
Laskin, B., 922
Laslett, T. P. R., 85, 108
Lasserre, F., 714
Laszlo, F., 1007
Latchmore, A. J. C., 173
Lategan, F. V., 1151, 1153
Latendresse, R., 857
Latham, A. M., 414
A. M. C., 245
J. V., 1050
L. R., 154
M. H., 620
P. M. S., 392
R., 258
R. C., 285
V., 305
Latif, A., 1238
H. A., 1236
K. A., 1466
M. A., 1467
Latika, M., 1308
Latner, A. L., 146
Latour, J. P. A , 787
Latraverse, V., 831
Latrémouille, Rev. R., 858, 864

Latta, G., 734
Latter, B. D. H., 1041
Lattimer, J. E., 791
Latulipe, R., 1553
Lau, D. C., 291
Laubscher, C. L., 1169
F. X., 1189
Lauchland, L. S., 927
Lauckner, J. R., 1520
Lauder, I., 1031
I. M., 630
W., 638
Lauf, G. B , 1198
Laufer, P. J., 778
R., 1043
R. M., 1043
Laughland, J., 940
Laughton, E., 502
N., 39
P. M., 736
Launay, J. E. L., 780
Laurance, B. M , 64
Laurence, B. R., 251
Laurencelle, M., 827
Laurenson, R. D., 580
Laurent, E., 760
Laurie, K. C., 743
Laurier, R., 832
Laurin, Rev. R., 865
Lauriston, A. C., 883
Lauterpacht, E., 92, 108
H., 92, 107
Lauwerys, J. A., 234
Lauzé, S., 824
Lauzière, A. E., 882
Lauzon, M , 761
Rev. R., 895
Lavarack, J. O., 998
Lavender, J. G., 280
Laver, J., 68
Laverdière, J. W., 762
Lavergne, N., 769
Laverty, Rev. A. M., 876
Lavery, Rev. C. J., 938
D. W. P., 1202
F. J., 1787
J. H., 1032
M. B., 664
Lavigne, J., 827
J., D.Ph., 828
R., 859
Rev. R., 857, 860, 861, 865, 867
Lavoie, G., 833
Rev. R., 896
R., 765, 770
Law, B. B., 587
B. R., 304
C. H., 631
D., 862
E., 32
F. W , 328, 371, 381
K., 300
M., 1792
W. A., 336
W. B., 863
Lawande, G. N., 1285, 1324
Lawler, Mrs. S. D., 304
Lawley, D. N., 599
Mrs. M. A., 1514
Lawley, O. V., 309
Lawlor, J. J , 575
M., 246
Lawn, A. M., 288
J. G., 261
Lawrance, D. M., 391
Lawrence, A. S. C., 502
A. W., 1523
C. H , 246
G. A , 581
G. M., 30
G. O., 984
H. S. S., 1357
J. C., 718
K , 537
L. J., 1027
P., 994
P. J., 1100
R. C., 169
R. D., 331, 991
R. J., 666
W. J., 1045
Lawrenson, T E., 1524
Lawrie, A. H., 926
N. R , 93
R. S., 328
Lawry, E. A., 1106
Laws, C R., 1107
G C , 463
J. O., 172
Lawson, A., 345
A. W. B , 603
D. D., 630
F H., 452, 459
G. J., 36
G. W , 1524
H P , 411
J , 154
J. B., 76, 1530
J. D., B Sc., 34
J. D., Ph D , 1007
J. G., 587
J. H., 627
J. W., 809
J. W. H , 624
Hon. R., 755
R. S., 1011
R. W., 505
T. V., 63
W , 339
Rev. W., 234
Lawton, F. E., 194
G. H., 982
H. W., 503
R., 189
Lax, G. R., 168
Laxer, G., 176
Laxmiranjanam, K., 1383
Laxton, F. C., 424
Laycock, Mrs. B. E., 245
Layng, A. E., 1772
Layton, B , 863
I. M., 1137
I. P., 912
J. M., 32
Lazarus, S., 627
W. J., 1381
Lazenby, A., 90
Lazer, W., 807
Lazerowitz, A., 313
Lazure, Rev. J., 865
Le Bel, Rev. E. C., xxix, 706
W., 857
Le Blanc, A., 895
A. J., 890
Rev. G., 894, 895
R., 896
Le Breton, Mrs E., 245
Le Brun, G. J., 750
le Clus, Y., 1166
Le Couteur, K. J., 191
Le Croissette, D. H., 519
Le Dain, G. E , 783
Le Fèvre, R. J. W., 1042
Le Gall, L., 718
Le Grand, H. A., 882
Le Heron, B. S., 1118
Le Marquand, H. A., 730
Le Mesurier, C S., 783
E. S., 796
Le Page, R. B., 1542
Le Pan, A. D., 916
Le Patourel, J., 164
Le Roux, A. E., 604
D. B., 1198
J C., 1146
J. M., 1187
L. J., 1163
Le Roy, A , 831
D. J , 917
Lea, C. H., 53
F. C., 261, 515
K. M., 442, 472
Leach, E. H., 449, 463
E. R., 79, 275
Mrs. J. D , 707
O. W. F., 256
R., 90
W , 807
W. B., 788
Lead, H. D., 777
Leaf, G., 618
Leah, A. S , 175
Leahy, D. M., 396
P , 1785
T. F., 1032
W. G., 781
Leakey, F. W., 620
Leaper, D. M., 1077
Lear, E., 821
Leard, A. D., 839
Learmonth, A. T. A., 189, 205
Sir J. R., 605, 631
Leary, R. H., 1503, 1506
Leather, H. M., 65
J. B., 43
Leatherdale, W. H., 1011
Leavelle, A. B , 491
Leavis, F. R., 83, 98, 573
Lebel, L., 831
M., 761, 762
P., 760, 765
Lebensold, D. F., 780
Leber, A., 1236, 1238
Leblanc, A., 764
N., 765
Leblond, C. P., 775
D., 759
S., 768
W., 765, 767

Lebon, J. H., 1556
Lecamwassam, D. K. L., 1456
Lechevalier, J., 763
Leck, J. H., 194
Leckie, T. K., 626
Leclerc, A., 770
C. E., 760
G., 830
H., 827
I., 621, 622
L. P., 769
P., 765
S., 1380
Lecours, A., 864
Leddy, J. F., 902, 903
Lederer, J., 1025
Lederman, J. M., 813
M., 373
W. R., 746, 750
Ledermann, W., 400
Ledgar, F. W., 403
Ledingham, G. F., 907
J. M., 336
Mrs. U. C., 345
Ledit, J., 770
Rev. J , 834
Leditschke, F. B., 984
Leduc, A., 828
J. R., 824
Y., 828
Lee, A. G., 81, 105
B., 822
C., 95
D. M., 235
E., 1796
E. C., 1513
E. S., 367
E. W., 428
F., 95
H. D. P., 98
H. I., 272
J , 1506
J. D., 730
J. D., M.S., 871
L. H., 1513
M. M. C., 1503
N. R , 611
O. S., 96
P. W., 1137
R. H. S., 1503
R. M. V , 1505
Rev. R. S., 475
R. W., 452, 457
S. G. M., 251
T. R., 565
T. S., 1514
W. L., 96
W. R., 236
Y., 291
Leeb-du-Toit, P. G., 1142
Leech, C., 128
F. A., 164
H. J., 520
H. R., 575
J. W., 281
Leechman, J. D., 738
Leeman, E. R., 1146
Leeming, E. L., 404
F. A., 655
M., 722, 730
Leeper, G. W., 998
Lees, A. B., 413
C H., 422
D. H., 509
D. S., 575
D. W., 1017
F. N., 398
H., 580
J. L , 533
J. M , M.A., 173
J. M., M.D., 698
J P., 427
M. D , 297
R , 605
S. B., 59
T. W., 604
Leese, C. L., 493
E. M., 199
Leeson, L. H., 728
Lefaivre, J., 860, 861
Lefebvre, C., 696
Sr. D., 835
G., 826
O , 862
R , 831
Lefort, B., 857
Lefrançois, C., 832
Légaré, Rev. H., 865
M , 830
Legault, J. P., 832
L., 830
Rev. R., 857
Legendre, J. H., 831
Léger, J , 831
J. L., 832
Cardinal P. E., 824
Legg, L. G. W , 464
Leggate, J. M., 201
Leggatt, A. G., 940
Legge, B. J., 395
B. P., 285
C. D., 405
J. D., 1070
J. W., 999
M. D., 598
Leggett, D., 873
D. M. A., 265
Legrand, H., 831
Legros, R. P., 245
Lehane, D., 197
Lehmann, A. G., 494
A. J. V., 917
F. R., 1156
H., M.D. Basle, 350
H., M.D. Berlin, 788
P. O., 729
Leibowitz, S., 1196
Leicester, J., 391
Leigh, A. D., 370
A. G., 356, 371
Rev. C., 1350
R. A., 84, 108
Leighton, B. C., 331
H. B., 502
K., 165
Leimanis, E., 720
Leisegang, E. C., 1143
Leishman, A. W. D., 508
J. B., 442, 468
Leisten, J. H. A., 502
Leitch, A., 67
D., 551
D. B., 697
J. M., 637
Leith, E. I., 809
Lejeune, R. R., 811
Y., 1196
Lele, P. S., 1324
S. H., 1333
T. P., 1266
Lelievre, F. J., 662
Lemaître, H., 762
Lemay, L., 825
Lemberger, J., 660
Lemcke, R. M., 277
Lemelin, C., 760, 765
Lemieux, A., 766
E , 767, 771
Mgr. E , 770
G , 828
H., 769
J , 769
J. M., 767, 769
J. R., 769
Most Rev. M. J., 857
R , 768, 828
Rev. R., 866. 867
Lemoine, Abbé A., 825
Lemon, G. G., 545
Lemonde, A., 767
Lempert, H., 409
Lenaghan, D., 1009
Lenard, A. L., 873
Lendon, A. H., 985
Lendrum, A. C., 650
Lenman, J. A. R., 647
Lennard, R. V., 469
Lennard-Jones, Sir J. E., 98, 119, 578
Lennon, D., 1025
G. G., 53, 65, 76
Lennox, B., 372
Rev. R., 793
S. C., 639
Lenox-Conyngham, Sir G. P., 106
Leo, U., 922
Leon, P , 569, 573
Leonard, A. G. G., 1785
Rev. E. X , 1318
W. G., 871
Léonard, C., 832
Leonidas, G. J., 912
Leonsins, A. J., 1204
Leopold, J. G., 557
K., 1033, 1036
Léopold, Br., 760
Leov, N. M , 1100
Leppan, P. V. A., 1145
Lepper, F. A., 445, 460
Lequet, A. E. A., 304
Lermer, A., 912
Lerner, L. D., 666
Lesage, Rev. G., 864, 865
J., 761
Leser, C. E. V., 624
Lesieur, R., 833
Leske, C., 986
Lesky, A., 313
Leslie, Rev. C. W., 924, 954

Leslie, D. R., 1011
I., 658
I. T., 716
P. H., 451
R. F., M.A., 398, 416
R. F., Ph.D., 280
R. T., 1005
W., 748
Lessard, G. A. A., 760
J. C., 761
J. M., 768
R., 768, 769
Lesshe, M. S., 244, 247
Lester, G. S., 41
Margaret, 1003
Lestrade, G. P., 1130
Letarte, F., 768
M., 762, 764
P., 766
Letendre, C., 827
G., 763
P., 831
Rev. P. E., 894, 895
Letienne, R., 830
Letourneau, F., 828
M., 827
P., 764
R., 766
Lett, S., 713
Letters, F. J. H., 1019
Letue, A., 768
Leue, J. A. E., 1164
Leung, K. V., 1504
K. W., 1504
Leutsch, E. V., 788
Leuty, C. R., 941
Levack, D. P., 588
Levasseur, R., 895
Léveillé, A., 832
Levene, C., 1543
C. I., 146
Levens, R. G. C., 444, 464
Leventhal, A. J., 1773
Leveque, R., 784
Lever, J. D., 78
Leversedge, L. E. M., 700
Leveson, I., 192
Lévesque, G. H., 765, 771, 772
Levett, M. J., 621
Levi, D., 366
Levie, M. V., 68
Levien, B. J., 1068
Levine, I., 564, 565
S., M.Eng., 783
S., Ph.D., 401
Levy, A. T., 686
G. E., 684
J. F., 255
K. L., 922
P., 1196
R., 94, 97
Lewcock, R. B., 1142
Lewin, B., 1204
C. T., 619
J., 1194
R., 186
R. A., 750
Lewis, A. C., D.Pæd., 937, 944
A. C., Mus.B., 36
A. J., D.D.S., 1069
Lewis, A. J., M.D., 370
A. S., 1102
B., B.Sc., 1133
B., Ph.D., 293
B., U.S.A., 670
B. B., 999, 1013
C., 921
C. A., 564
C. D., 449, 540
C. S., 83
C. W., 545, 546
C. W. D., 557
D., 391
D. G., B.Sc., 986
Dr. D. G., 554
D. H., 533
Rev. D. I., 1457
D. M., 460
E. A., 550
E. E., 557
E. F., 288
E. R., 547
F. E., 1785
F. I., 933
F. J. W., 66
G., 1356
G. F., 930
G. I., 552
G. L., 454
G. M., 622
H., 913
H. C., 717
H. D., Dip. Arts., 1515
H. D., M.A., 526, 538, 539
Mrs. H. D., 538
I. C., 607
J., B.Sc., 533
J., M.Sc., 533
J., Ph.D., 502
J. A., 960
Rev. J. D. V., 526
J. J., 436, 627
J. P., 544
J. R., 167
J. S., 546
K. G., 1019
K. M., 273
L. J., 1525
L. S. A., 1094
M., 189
M. B., 291
M. M., LL.B., 57, 61
M. M., Ph.D., 430, 573
N. B., 504
P. R., B.D.S., 404
P. R., M.A., 88
P. S., 458
R., 205
R. A., M.D., 1284
R. A., Ph.D., 538
R. S., 319, 332
R. S., Panjab, 1480
S., 722
Mrs. S., 718
Rev. T. A., 579
T. E., 92, 108
T. J., 280
T. L. T., 328
W. A., 396, 418, 1527
W. E., 199
Lewis, W. J., 530
W. V., 84, 107
Lewis-Faning, E., 556
Lewitt, E. H., 256
Lewitter, L. R., 88, 97
Lewy, C., 87
Leyland, N. H., 442, 459
Leys, C. T., 459
M. D. R., 446, 474
W. C. S., 1105
Leyser, J., 1003
K. J., 446, 464
Leytham, G. W. H., 192
J. M., 96
Leyton, L., 443
Li, Mrs. S. H., 1506
Liang, C. C., 1505
Liao, J. W. K., 1509
Lichtenberg, K. F. W., 1152
Lichty, E., 942
Liddell, D., 1177, 1180
E. G. T., 449, 463
L. E., 138
M. F., 1771, 1773
Liddelow, K. P., 331
Liddle, D. C., 407
Lidgett, J. S., 282, 286
Lidstone, A. G., 391
Liebenberg, C. J., 1163
C. R., 1189
Liebenthal, W., 1439, 1443
Liebert, K. I., 408
Liebeschutz, H., 190
Liebetegger, A., 519
Lienhardt, R. G., 439, 450
Liepmann, K., 59
Liggett, J., 146
Liggins, E. M., 1019
Light, A. C., 1105
Lightbody, C. W., 904
E. U., 521
W. P. H., 198
Lightfoot, E., 175
N. M., 389
Lighthill, M. J., 183, 400
Lighton, R. E., 1195
Lightwood, R., 369
R. C., 356
Liguori, Mother M., 1788
Lilburn, D. G., 1111
Lilburne, E. A., 1115
Lilge, E. O., 695
Lilley, E. M., 1063
Mrs. E. M., 1066
Lillian, Mother, 1352
Lillie, A. R., 1107, 1109
W., 580
Lim, C. P., 1515
Sir H. H., 1511
J. J., 1512
K. A., 1513
T. B., 1511
Limentani, U., 86
Limes, M., 1796
Lin, R. C. Y., 1514
T., 783
Lind, E. M., 1534, 1538
Lindahl, J. W. S., 336
Linde, P. A. M. van de, 1506
Linden, R. J., 166

Lindenberg, E., 1193
Linder, G. C., 1136
Lindgren, E. J., 119
Lindley, D. V., 86
Lindsay, Mrs. C. L., 609
D. D., 584
E. M , 671
G. C., 876
G. G , 1114
J. M., 645
Mrs. J. O., 85, 109
J. R., 379
M. F. M., 994
Lindsey, A J., 391
C. C., 724
Line, C., 496
J., 90
M. B., 521
W., 925
Linehan, P. A., 661
Linell, E. A., 932
Linfoot, E. H., 79
Ling, A. G., 309
E. R., 428
Lingam, T. A., 1386
Lingappaiah, G S., 1349
Lingaraju, B. N , 1363
Linghorne, W. J., 929
Lingiah, B. S., 1362
E. V., 1372
Linn, I. J., 564
Linnard, H , 553
Linnell, G. M., 1388
W. H., 297
Linnett, J. W , 440, 466
Linning, W. A., 33
Linskill, J , 189
Linstead, G. F., 505
R. P., 254, 255, 261
Linteau, A., 762
Linton, A. H., 67
C. W. H , 798
D. L., 503, 511, 514
E. P., 683
P. N., 611
Lions, F., 1042
Lippay, F., 983
Lippold, O. C. J., 307
Lipsett, S. J., 695
Lipsham, E. F., 983
Lipson, H. S., 413
S. L., 717
Lipstein, K., 92
Lipton, A., 1536
Lipworth, E., 1204
Liquier-Milward, J., 36
Lisburne, Earl of, 530
Lishman, T , 288
W., 131
Lishmund, R. E., 1025
Lismer, A., 780
Lisowski, F. P., 29
Lissimore, N., 171
Lissmann, H. W., 90
Lister, A., 336, 371
M. W., 918
R. G., 1090
U. G., 1530
U. M., 170
Liston, W. A., 604, 606, 608
Litchfield, J. W., 355
Lithgow, G., 1062
Litting, C. N. W., 397
Little, Mrs A. C., 1772
A. T , 957
E., 144
G. A., 813
G. B., 1456
G. D., 789
G. E , 1177
G. M., 695
H. S., 960
I. M. D., 442, 474
J. de V., 1195
K. L., 595
M. E., 79
P. A., 552
V I., 246
W. M., 743, 749
Littlefield, T. A., 141
W. H., 143
Littlejohn, E. S., 392
J., 595
W. E. I., 999
Littleton, M. J , 62
Littlewood, D. E., 183, 538
J. E., 106
Litwinovicz, V., 827
Liu, Mrs C. Y., 291
J. J , 291
P. M , 1504
S. C., 1506
Livera, E. J., 1451
Liversage, V., 661
Liversedge, L. A., 408
Livesey, Rev. H., 519, 521
J. L., 205, 397
Livesley, R. K., 91
Livingston, J., 634
M., 756
R. M., 617
Livingstone, D., 1144
D. S., 1196
E. A., 138
J. L., 331
K. C., 925
M., 622
Rev. R. G., 1776, 1788
S. E. M. R., 1024
T. C., 1020
Llewellen, D. R., 301
Llewellyn, E. C., 544
F. J., 1098, 1106
G., 568
J., 38
Llewellyn-Jones, F., 435
Llewelyn, F. W. M., 259
Llourado, J. G., 1095
Lloyd, A., 1143, 1148
A. C., 647
A. H., 443
A. K., 138
A. J. L., 103
B., 640
B. B., 449, 453, 464
C., 319
D., 305
D. H., 168
D. M. G., 644
E. H., 257
Lloyd, H. K. M., 427
J. H., 525
J. K., 64
K. N., 557
L., 792
L. J., 562
M. W., 575
O , 93
O. C., 66
P. C., 1530
P F., 30, 170
Mrs. V., 565
V. E., 328
W. E., M.A., 456
W. E., M.D., 366
W. J., 43
Lloyd-Davies, O V., 340
Lloyd-Dodd, F. T., 657
Lloyd-Evans, B. J., 303
Lloyd-Jones, J., 1783. 1789
P. H. J., 460
Lloyd-Smith, D. L., 787
Lloyd-Williams, K. G., 345
Llubera, I. M. G., 661, 667
Loach, J. V., 160
Loader, F. M., 523
Loadman, B. E., 814
Loane, G. H., 848
Loates, Mrs. J. A., 739
Lob, M. H , 165
Lobb, K. M , 520
Lobban, M. C. C., 109
Lobel, E , 447, 467
Lochhead, A. V. S., 544
D. G., 520, 751
K C., 907
Lock, H. G., 76
W. O., 36
Locke, E. E., 1179
G. B., 410
Lockett, M. F., 392
Lockhart, H. B., 729
R. D., 580
R. J., 809
Lockie, D. McN., 34
J. H., 596
Lockley, Rev. G. L., 1037
Lockquell, C., 760
Lockwood, G. G., 1100
J. F., 230, 249
P. A., 840
W. B , 34, 54
Lockyer, C. E. W., 103
Lodewyckx, K. A., 1011
Lodge, H. M., 821
K. V., 409
Molly, 138
Lodhi, S. A., 1478
Lods, E. A., 791
Loedolff., G. F., 1186
Loew, E. R., 313
Loewe, F., 1003
Loewenson, L., 240
Loewenthal, J. I., 1052
L. J. A., 1199
Loffmark, R. R., 716
Lofts, D., 661
Loftus, R., 781
Logan, A., 605, 608
B., 722

Logan, D. W., xxix, xxxiii, 207, 963, 1518
E., 790
H. A., 925
H. T., 715
R., 618
R. F. L., 408, 410, 416
R. M., 645, 652
Logie, H. J., 1196
J., 1099
N. J., 586
Logsdail, D E., 941
Logue, V. D., 373
Loh, H. L., 1504
Loignon, G., 831
Loiselle, J. M., 767
P., 912
Lokhandwala, M. F., 1266
Lokhandwalla, S. T., 600
Lokras, G. K , 1422
P. V., 1322
Lomas, P. K., 1194
Lomax, K. S., 397
Lombard, G. L , 1165
Lomey, A. L., 1201
Lominski, I. R. W , 626
Lond, R. F., 321
Londhe, M D., 1374
Londhey, D. G , 1374, 1378
Long, A R., 1010
C., 580
F., 1076
F. A., 166
G., 1144
H. D., 848
Mrs. I. L. M., 235
J. A., 937
J. J., 143
L., 831
L. H , 562
M. H , 705
M. K , 1195
N. G., 176
R., 32
R. S., 1100
W. H., 168
W. M. D., 923
Longley, J. F., 871
R. S., 683, 684, 685
Longmore, L , 1194
Longson, D., 402
Longstaff, J. V. L., 244
Longtin, L., 830
M., 831, 832
Longton, P. A., 79
Longuet-Higgins, H. C., 81, 98
M. S., 108
Longworth, J., 495
Lonsdale, K., 301, 313
Looker, A. J., 738
E. E., 609
Loomba, A. L., 1339, 1344
R. M., 1338
Lopez, A. M. G., 745
Lopis, S., 1200
Lora, J. G., 37
Loranger, Rev. R., 862
Lorber, J., 508
Lord, A. R., 717
G. R., 928
Lord, M. D., 55
M. P., 392
O. C., 173
R., 827
R. D., 639
R. F., 319
T. V., 873
Lorentz, G. G., 950
Lorenz, K., 382
Lorimer, W. L., 644
Lorrain, P., 827
Lorriman, F. R., 917
Lortie, G., 765
L., D Sc , 824, 825
L., LL.L , 762, 766, 1629
Lortie-Lussier, Mrs M , 833
Los, J. M , 847
Loten, H. I , 153
Lothe, A. N , 1370
Lothian, G. F., 564
J. M , 582
Lottkowicz, Mrs. J. C., 999
Lou, E. H , 1506
Loubser, A. S., 1153
C. J. N., 1168
J H N , 1152
J W , 1152, 1153
Loudfoot, J. H., 807
Loudon, J , 625, 639
J. D , 618
T. R , 926, 927
Lough, A. L., 639
J., 128
Loughlin, G. F , 622
Loughnan, F. C., 1027
O. T. D., 1393
Loughridge, J. S , 660
Louise Adelaide, Sr., 845
Loukes, H , 442
Loupekine, I. S., 60
Lourié-Jetter, Mrs. M., 719
Lousteau, M., 772
Louw, A J , 1189
G. J., 1189
H. A., 1189
H. H., 1167
J. G , 1170
J. H., 1136, 1183
J. H. F., 1152
J. T., 1135
L. J., 1191
M. H. H., 1175
S. A., 1163
T. H., 1162
W. E. G., 1179
Love, C. C., 919, 954
Mrs. D., 807
D. V., 920, 945
E. R., 1003
G. R., 738
H. M., 873
R. J., 847
W. H., 1045
Love, A., 807
Lovel, R. W., 143
Loveless, A. R., 1542
N. E., 145
Lovell, A. C. B., 401
F., 907
R., 287
Lovell, W. E., 906
Lovell-Smith, C. S., 1101
Lovelock, M. V., 442
W., 211, 392
Lovering, W. F., 1026
Lovibond, S. H., 983
Low, A. H., 1027
D A., 1535
D. M., M.A., 264
D. M., M.B., 932
E. W., 1095
F. K A., 1556
H. B., 1118
J. McI., 397
R. M , 777
W. A , 358
Lowdon, A G. R , 147
Lowe, C. J., 128
C R., 43
C v. R., 1193
J., 661
Very Rev J., 459, 461
K. G , 649
P , 882
Lowell, V. C., 939
Lowenstein, L., 785
O. E., 38
Lowenthal, J., 905
Lower, A. R. M., 872
H S F., 986
W. L., 571
Lowig, H. F. J., 1063
Lowndes, J., 358
Lowry, G. C., 254
H. V., 392
Lowther, L. H., 882
Lowy, J , 661
Loxton, J. C., 1049
R., 1523
S. D., 65
Loyn, H. R., 545
Lozano, L., 862
Lu, K. C., 1506
Luard, C. M. U., 177
Lubbe, E. M. B., 1187
W. J. G., 1163
Lubbock, M., 492
R., 91, 103
Lubetsky, I. K., 745
Luc, R. F., 834
Lucas, A., 1456
A., Ph.D., 848
C. C., 931
C. E., 582
C. L. T., 345
D. W., 81, 101
E. A., 1535, 1538
F. B., 1031
F. L., 83, 101
G. H., 931
G. H. W., 932
G. R., 494
H. H., 426, 430, 593
H. K., 67
J. R., 464
L. N. D., 1071
P. G., 401
R. B., 342
R. L., 451
S. W., 1025

Lucas, W. I., 518, 521
Luce, Rev. A. A., 1770, 1774
G. H., 296
J. V., 1771, 1772
Lucena, J. S., 1481
Luchins, A. S., 779
Luck, C. P., 307
Luckwill, L. C., 71
Luckyj, G., 926
Lucyk, G. M., 810
Ludekens, W. L. W., 1451, 1454
Ludford, R. J., 299
Ludlam, A. E., 392
F. H., 258
R. G. S., 177
Ludlow, N. G. T., 36
Ludowyk, E. F. C., 1452
Ludwig, R. E., 906
Luffman, D., 639
Lugg, J. W. H., 1513
Lugsdin, G. N., 864
Luhar, P. M., 1267
Luke, Bro., 700
D., 662
F. D., 399
J. C., 789
Luker, Mrs. D. L., 521
Lukose, G. M., 1309
Lule, Y. K., 1535
Lumb, D. S. W., 415
G. D., 366
S. F., 1035, 1037, 1518
Lumba, Mrs. P., 1310
Lumsden, C. B., 685
R. B., 607
Lunan, N. M., 125, 132
Lunding, E., 53, 435, 514
Luney, F. W., 961
Lunt, R. W., 302
Lunzer, E. A., 55
Lupi, Rev. J., 1520
Lups, Mrs. J. B., 1168
Lush, A., 1104
G. H., 1003
Lusis, O., 505
Lussier, A., 833
D., 765
J. J., 827
J. P., 827
O., 762
Lusted, H. J., 904
Lustig, H., 1166
Lusty, M. M., 1526
Luthe, W., 833
Luther, G. T. H., 937
Luthra, B., 1388
B. R., 1413
I. S., 1308
S. P., 1306, 1308
Lutjeharms, W. J., 1151, 1154
Lutsch, W. J. F. S., 1186
Luttrell, C. A., 569
Lutz, G. G., 1070
Luxley, Rev. A. F., 71
Luxton, E., 777
H. W. B., 59
R. W., 405, 407
Lyall, A., 586
C. A., 596, 609
Lyall, G. L., 193
Lydall, H. F., 471
Lydon, F. L., 332
Lyell, A., 607
J. S., 1047
Lyle, A. J., 1142
J., 1285
T. K., 332, 371
Lyman, J., 777
Lynch, D. O., 875
Very Rev. F. J., 854, 899
J., 190
Rev. J., 899
J. B , 196
L. E. M., 924
P., 1787
Lynd, K. P., 661
Lyne, R. W., 488
Lynn, J. W., 194
M. J., 671
Lyon, A. G., 543
D. G., 63
F. F., 648
R. M. M., 606
T. F., 637
Lyons, F. S. L., 1771, 1772, 1773
J., 172
J F., 67
L E., 1042
M. C , 94
M. F., 398
M. J., 643
R., 812
W. H., 503
Lysaght, A. C., 557
Lyster, R. L. J., 82
Lythgoe, B.. 119, 161
Lytle, W. J., 509
Lyttleton, R. A., 86, 105, 514

Ma, L., 291
M., 1506
S. T., 1045
Y., 1506
Maas, J. P., 1170
Maass, O , 775
Mabbitt, L. A., 496
Mabbott, J. D., 448, 467
Mabbutt, J. A., 1132
Macadam, M. F. L., 129
McAdam, Mrs. H. L. M., 1535
I. W. J., 1536
R., 599, 610
Macafee, C. H. G., 663
McAleese, D. M., 90
Macalister, A. D., 1093
McAlister, W. J., 697
McAllister, A. L., 848
J. S. V., 661
McAlpine, D., 339, 370
W. A., 806
M'Alpine, I. M., 619
McAndrew, W. A. G., 848
W. J., 920, 938
McAnish, J., 588
McArdle, C. M., 42
Rev. L. T., 1095
Macarthur, J. G., 627
J. L., 787
Macarthur, Sir W. P., 454
MacArthur, A. I., 811, 814
D., 652
Mrs. H., 849
J., 161
McArthur, C. S., 902
D. N., 585
J. B., 804
N. R., 993
Macartney, C. A., 457, 602
D. W., 405, 407
K. L., 1001
Macaskill, J , 607
S., 628
Macaulay, B. F., 847
D., 406
G. L., 1024
MacAulay, W. C., 902, 905
McAulay, A. L., 1063
McBain, J. W., 77
W. J., 928
W. N., 779
Macbeath, A., 660
A. M., 646
McBeath, J. G., 411
J. H., 635
Macbeth, A. K., 980
R. G., 452
MacBeth, T. A., 840
McBriar, A. M., 1002
Mrs. L. R. C., 1005
McBriarty, W. J., 760
McBride, G , 1034
J. M. W., 664
P., 1786
M'Broom, H. I., 638
McBryde, W. A. E., 918
McBurney, C. B. M., 79
MacCabe, A. F., 602
McCabe, E., 456
M , 277
McCaffrey, J. A., 729
Rev. S. E., 1793
McCall, M. D., 316
M'Call, D. M., 647
McCalla, A. G., 688, 694
McCallien, Mrs. C., 1525
W. J., 1524
McCallion, D. J., 683
H., 425
W. J., 800, 801
Maccallum, N. R. L., 625
MacCallum, D. M., 1044, 1046
McCallum, A. H., 640
F. J., 630
J. L., 786
K. J., 903
N. E. W., 1009, 1010
R. B., 450, 466
R. I., 145
MacCalman, D. R., 172
McCance, Sir A., 637
C. M., 630
R. A., 93, 106, 609, 963
W., 493
McCandlish, D., 175
McCann, E. K., 721
F., 658
J. A., 912
Rev. L. A., 708

McCargow, J , 631
McCart, H. W. D , 932
McCarten, A. B., 698
McCarter, J. A., 747
MacCarthy, J. M., 1775
P. A. D , 166
MacCarthy-Willis-Bund, Rev. F. L., 458
McCarthy, A. J. P., 304
B. G., 1792
Doreen F , 980, 984
D. F , M.B., 1793
G S , 1774
Rev J., 1783
J. J , 781
J. P , 899
J. P., M A., 1033
K , 195
McCartney, E. R., 1025
McCaskill, L. W., 1115
M , 304, 1100
McCasland, G. E., 918
McCaughan, R. E. M., 188
McCaughey, W. T. E , 663
McCaw, I. H., 663
MacCharles, M R., 814
McCheyne, J. R. M., 139
Maccia, G S., 808
MacCionnaith, E , 1797
McClatchey, A H B , 1776
McClean, D., 388
R J , 250
McClelland, E. M., 389
R. C., 690
M'Clelland, I. L., 624
MacClement, W. D., 799, 801
M'Clements, M. B., 623
McClenaghan, T., 665
McClenehan, C. A., 1053
McClennan, J , 945
McCloskey, H. J., 1071
McCluskie, J. A. W., 628
Maccoll, A., 301, 313
McCollum, S. T., 1775
McCombie, C. W., 584
H., 101
McConachie, J. D., 940
McConaghy, S., 661
MacConaill, M. A., 1791
McConchie, L. J , 1004
McConkey, A. S., 728
O. M., 940
MacConnachie, H. J., 746
McConnell, A. A., 1775
A. J., 1770, 1773
Rev. G. B. G , 1776
J., 1069
Rev J., 1783
J. F , 1025
Mme. J. M., 871
W. S., 327
McCord, W. J., 812
McCorkell, Very Rev. E. J., 919
McCorkindale, J., 912
MacCormack, Rev. D., 889, 890
McCormack, A. M., 730
J. D., 1775
M. P., 67
McCormack, R. J. M., 608
W., 841
McCormick, C. A., 1044
E. M., 173
K. S , 793
P , 347
V. O , 1775
McCorriston, J. R., 789
McCoull, G , 147
McCourt, D., 662
E. A., 903
G H , 664
McCoy, H. A., 985
J. H., 156
W. B , 782
McCracken, D. J., 36
E. J , 825
G., 875
I. E , 386
J. L., 662
McCrae, Mrs H , 723
McCraw, B. M., 941
McCrea, M. R., 68
W. H., 285, 286
McCready, H. W., 799
M. S., 938, 941
McCreary, C. W. R., 661
J. F., 726
J. R., 1112
McCredie, H. A., 1051
H. G , 1052
McCrie, J. G., 507, 511
McCririck, V. N. R., 167, 177
MacCrone, I. D , 1196, 1205
MacCrostie, M. W., 729
McCrum, M. W., 98
McCuaig, C. H., 875
McCubbin, J. W., 711
T. M , 617
McCullagh, G. P., 93, 103
P F., 776
S. K., 176
McCullen, J. T., 33
McCulloch, J. F., 1049
R. N., 987
W., 380
W. P., 619
McCullough, D. L., 697
E. E., 913
W. S., 923
McCunn, J., 287
McCurdy, W. J., 923
McCutcheon, J., 781
J. E., 936
J. O., 782
MacDermot, P. N , 787
MacDermott, Lord, 657
L. A., 939
Mrs. N., 429
McDermott, B. C., 63
E. N., 1797
M., 1785
Rev. R. P., 132
MacDiarmid, H. A., 808
McDiarmid, M. P., 659
MacDonagh, O. O. G. M., 104
McDonagh, J. E., 726
Macdonald, A., M.D., 586
A., Ph.D., 138
Annie, 585
Macdonald, A. D., M D., 409
A. D , Ph.D., 750
A. E., 806, 808
C., 1010
C R., 96
E. A , 938
G., 385
G R., 697
I , 443, 466
I I., 89
Mrs I. L., 626
J , 581
Rev J., 166
J., D.Litt., 693, 705
J. A , 644, 652
J. B., 929
J. Y., 644, 652
M , Ph D , 246
Mrs. M., 609
M K , 941
N., 799
P. A., 810
R. G., 1094
R I., 931
S G G., 647
W. S., 170
MacDonald, A , 590
A D., 745
A E., 950
Rev. A. F., 887
A M , 628
Rev C R , 890
Rev. C W., 890
D. E., 1137
E , 700
E. F., 716
F. E F., 630
Rev. G. A., 886
J. J., 889
Most Rev. J. R , 889
K , 1034
Rt. Hon. M , 1511
M D., 920
M. K., 604
R , 625
Rev R , 924
R. M., 748
S. A., 789
Hon V. C , 746
McDonald, A., 666
A. H., 85, 97
A. L. G., 992
C G , 1041
Mrs. D., 1153
D. A., 350
D. W., 787
F. M., 1143
G. G., 1048
G. L., 1050
J., 941
J. A., 724
J. K., 874
J. L., 933
J. R. A., 411
P., 611
P. G., 1137
R. C., 737
R. H., LL.B., 602
R. H., M.S., 1049
T., 163

M'Donald, R., 628
MacDonell, J. A., 812, 1004
Rev. M., 890
Macdonnell, J. M., 870
M. L., 871
P. M, 874
McDonnell, A. L., 1136
G. H. B, 1025
McDonogh, C. L., 1775
MacDougall, A. J., 504
Sir D., 442, 469, 474
D., 940
J, 889
J. A., 729
J. D. B., 643
J. T., 814
McDougall, C. M., 791
D, 810, 815
D. J., 922
J., 166
J. C., 626
J. L., 871
Mrs. K. F., 273
R. L., 919
W. A., 1035
W. D., 690
W. J, 736
McDowall, A., 1034
G D., 607
R. J. S., 266
MacDowell, G. F., 694
McDowell, C. A, 187
D. M, 659
E. M, 957, 960, 962
R. B, 1771, 1773
S., 681
Mace, C A., 251, 252
D, 154
MacEachern, S. N., 902
McEachern, A C., 985
MacElhinney, W. G, 927
McElligott, G. L. M, 356
McElroy, L. F., 1115
L. W., 694
McElwain, D. W., 1005
MacElwee, N. M., 1101, 1103
McEown, A. C., 904
McEvoy-Bowes, E, 1513
MacEwan, J. U., 783
McEwan, D. H., 280
J. D., 602
J R., 94
M'Ewan, V. R. D., 627
McEwen, G. H, 1116
H. D., 875
P, 660
R L., 1119
S. D., 812
W. H., 806
W. J., 719
M'Ewen E. G., 138, 142
M. B., 266
McEwin, J. N., 982
Macey, E. C., 70
MacFadyen, K. A., 36
McFadzean, A. J. S., 53, 1505
McFarlan, A. M., 119
McFarland, B. L., 197
H. S. N., 644
Macfarlane, C. E., 1091
Macfarlane, J. W, 628
L. J., 583
M. G., 388
N. A., 28, 33
R. G., 453
W. V, M A., 1034
W. V., M.D., 143, 147
Macfarlane-Grieve, A. A., 134
MacFarlane, A., 604
D. B., 912
D. L., 791
H W., 848
J. A., 930, 944
K. T., 787
M, 719
R. O., 736, 738, 740
McFarlane, A. H., 912
J D., 84, 100
J., Leeds, 175
J., Manc., 422
J. W., 139
K. B., 445, 463
L, 738
M M., 720
R H., 812
M'Farlane, W., 622
McFeeters, J. N., 669
McFetridge, S. A., 729
MacFhinn, Rev. P. E., 1796
Macfie, A. L., 623
McGarvie, R. E., 1003
McGaughey, C. A., 1453, 1457
McGeady, P. A., 1788
McGechan, R. O., 1113
McGee, J. D., 258
McGee-Russell, S. M., 251
McGeorge, M., 1094, 1098
McGhie, J. F., 391
MacGibbon, D. A., 799
McGibbon, J. E. G., 195
J. F. S., 1069
K. C., 814
MacGill, E. I., 404
McGill, D., 912
McGilligan, E., 1788
P., 1783, 1787, 1789
MacGillivray, Sir D., 1511
J. R., 919
McGillivray, W. A., 1118
M'Gillivray, D. M., 650
McGillycuddy, D., 1776
MacGilvray, D., 626
McGirr, E. M., 627
McGlashan, M. L., 493
McGlynn, Mrs. I., 405
P., 619
McGoldrick, R., 760
McGookin, A., 187
McGouey, Rev. T. J., 708
McGowan, G. K., 66
McGrath, F. A., 1791, 1793
J., 1787
P. V., 60
McGreer, D. E., 689
Macgregor, D. H., 423, 491
D. R., 598
Rev. G. H. C., 619
I. A., 1512
J., 119, 422
J. J., 443
Macgregor, J. W., 697
MacGregor, A. B., 30, 343
A. G., 605
A. R., 601, 604
D. C., 925
D. G., D.D.S., 690
D. G., M.A., 839, 841
H. A., 691
H. I., 750
J., 177
M. A., 939
R. R., 875
S. A., 929
T. N., 604
W. G., 65
MacGregor-Morris, J. T., 303
McGregor, A. A. D., 1118
A. L., 1203
A. R., 603
H. G., 373
J., B.Sc., 167
J. D., 604
J. K., 942
M., 1200
M. F., 715
O. R., 246
T. N., 608
W. R., 1108
McGrigor, Sir R., 580
McGuckin, F., 143, 145
McGuffie, T. H., 55
McGugan, A. C., 700
MacGuigan, Rev. W. J., 886
McGuigan, J. P., 745, 746
McGuinness, A. E., 1050
B. F., 467
McGuinty, D. J., 859
McGuire, H. A., 937
McGurk, P. M., 250
McHaffie, M. A., 575
MacHale, J. P., 1785
MacHardy, F. V., 694
McHardy, J. W., 601
W. D., 322
McHarg, E A., 622
Machell, R. K., 651
McHenry, E. W., 934
J. J., 1792, 1794
Machin, K. E., 1134
McHugh, H. E., 787
R. J., 1782, 1785
Machum, D. A., 746
McHutchinson, W. B, 638
Machwa, M. K., 1310
McIlhagger, D. S., 664
McIlrath, M. B., 1049
McIlreavey, F., 661
McIlroy, D. G., 1111
H. M., 721
McIlwain, H., 369, 382
McIlwraith, A. K., 189
T. F., 916
McInally, M., 600
McIndoe, Sir A. H., 350
W. M., 618
McInerney, M. V., 1003
McInerny, E. E., 1469
MacInnes, Mrs. C., 839
C. M., 60, 72
W. A., 154

McInnes, J. S., 814
Macintosh, N. W. G., 1041
R. R., 452, 466
MacIntosh, A. S., 747
F. C., 779
J. W., 748
McIntosh, A., 598
A. F., 640
C. A., 789
D. G., 651
D. M., 606
G. F., 1020
H., 631
H. A., 1006
H. W., 725
J. F., 785
J. R., 717
Mrs. M., 246
P C., 36, 54
R. L , 918
W , 170
W. G , B.A.Sc., 928
W. G., D D.S., 930
William G., 1511
Macintyre, A. J., 584
D., 90
Mrs. S., 584
W. M., 619
MacIntyre, A C., 414
D. M , 934
M. M., 720
McIntyre, A. K., 1092
G F., 847
H , B.D S , 404
Hazel, 692
J., 550
Rev. J., 1053
J. E., 895
K., 1007
K. H. C , 1144
R. B , 927
S. S., 623
W. I. M., 630
M'Intyre. D., 628
J. P , 630
R. R., 690
MacIsaac, Rev. F. N., 890
MacIver, A. M , 519
D. A., 743
K. M., 645
McIver, L. D., 1098
R. M., 601, 610
McIvor, R. C., 799
Mack, F. G., 750
F. M., 264
J. A., 631
McKail, J. E., 537
M'Kane, Rev. W., 621
Mackaness, G. B., 992
J. B., 1027
Mackay, A , 831
A. J. G., 1010
A. L., 251
C. A., 910
C. B., xxx, 847, 854
D. C., 744
I. F. S., 1544
J. D., 1115
J. M. R., 630
K. M., 650
Mackay, M., 806
M. H., 415
R. I., 407
R. M. I , 607
R. S , 922
W. M , 645
MacKay, D. C. G., 722
D. M., 266
J. R., 719
R. W. M., 749
McKay, C. D., 778
D., 425
D. F., 590
D. G., 985
G. R , 1032
G. W., 265
I. R., 1118
J. W., 789
K. A., 941
K. J , 1000, 1032
K. L., 1528
M E , 1027
R , 1787
R. W., 924
S S., 570
W. B., 411
McKeag, H. T. A., 662
R. H., 1454
McKechnie, R. E., 729
MacKeen, R. A. H., 748
McKeever, J. D., 1775
McKegney, J. G., 739
MacKeith. R. C., 327
Mackell, F. A , 1058
McKellar, M. R , 922
T. P H., 585
McKendrick, G. D. W., 65
MacKenna, R. M. B., 349
R. O., 617, 634
McKenna, J., 502
Rev. L. G., 890
R. D., 786
M'Kenna, C. B , 1774
McKennell, A. C , 623
Mackenzie, Alison, 39
A., M.B., 144
A. M., 581
B. A , 1152
C. J., 738
D., 639
D J., 749
D. W., 796
E. G. W., 443, 472
E. K. A., 315
F., 33, 54, 1111
F. R., 644
G , 599
H. A. E., 1150
H. C. H., 59
J. M., 651
K. R., 785
M., 700
Mrs. M., 718
M. B., 788
Rt. Rev. R. V., 886
W., 694
W. D., 1043
W. J. M., 309
MacKenzie, B. M., 690
D. W., 789
MacKenzie, E., 718
G. S., 848
H A., 725
M. W., 689
N A. M., xxix, 713
N. H., 1143
P. K., 493
P Z., 1557
W. C., 698
W. S., 119
McKenzie, A., 637
A. D., 728
A. E. E., 116, 487
A. S. V., 639
A. W., 138
B. E., 1005
D , 1136
D. A., 589
D. W., 1111
I , 635
I. F., 483, 1083, 1086
J , 580
J M., 1092
J. S., 404
K. A., 1019, 1021
R. M., 600
R. T., 1027
R. T , B.A., 273
W. S , 372
McKeown, C. G. S , 738
E. F., 663
H. D. J., 1529
M. R., 945
T., 43
Mackerness, E. D., 503
McKerracher, D. G., 904
McKerrow, M., 1197
W. S., 444
Mackeson, J. F., 77
Mackesy, P. G., 466
Mackey, R. D., 32
S., 175
W., 761
W. A., 629
Mackie, J. A. C., 1002
J. B., 1091
J. D., 621
J. L., 1045
M , 1019
T. J., 602, 612
W. W., 625
McKie, D., 308, 313
E., 199
J., 647
J. I., 448, 459
P. V., 234
McKiel, H. W., 839, 840
McKillop, B. C., 119, 994
McKinlay, D. G., 638
McKinley, R. A., 569
McKinnell, J., 1144, 1148
McKinney, I. D., 1053
Mackinnon, A. F., 588
C. G., 746, 747
D. L., 309
F., 841
I. L., 263
K. P., 1047
MacKinnon, D. M., 584
F., 751, 793

MacKinnon, Rev. G., 889
M. H. M., 958
M. J., 890
W. B., 814
McKinnon, A. T., 779
N. E., 934
Mackintosh, A. S., 31
F. G., 169
J. M., F.R C.P., 385
Jean M., 41
R. H., 1200
W. A., xxx, 870
MacKinven, A. D., 621
McKisack, M., 445, 472
McKissock, W., 353, 373
Mackle, H., 658, 668
Mackley, K. W., 1008
Macklin, A. H., 588
C. C., 960, 963
H. L., 927
MacKnight, J. I., 749
McKnight, E., 525, 558
MacLachlan, J. D , 938
McLachlan, A. E. W., 68
A. T., 937
D. F., 637
H. McD., 1027
J. E., 140
M. M., 935
McLachlin, A. D., 961
H. J., 693
Maclagan, D. S., 632
M., 438, 446, 468
N. F., 366
W. G , 622
McLaggan, J. D., 346
McLandress, M., 813
Maclaren, K., 58
MacLaren, Hon. D. L., 847
J. F. T., 638
McLaren, Hon. A. L., 309
A. P., 630
A. S., 639
A. W. S., 1107
B. A., 922
D., 59
D. J., 737
E. J. R., 1106
H. C., 40
J. W., 359
McLarty, D. A., 957
T. L., 985
M'Larty, M. R., 602
MacLauchlan, D. W., 839, 841
MacLaughlin, F. A., 663
H. A. L., 852
McLaughlin, C., 912
P. J. I., 1783
R. H. B., 848
R. J. W., 87
R. R., 926, 927, 944
MacLaurin, A. D., 617
E. C. B., 1045, 1047
McLay, A. B., 800, 801
Maclean, Sir E. J., 560
H. N., 882
H. R., 689
K. S., 328
N., 604
MacLean, A., 912
MacLean, Prof. A., 921
A., B.A., 637
C., 890
D. B., 853
D. L., 934, 935, 945
H., 1002
K., 919
Mrs L. E., 912
R. R., 697
T. S. M , 598
McLean, C R., 932
Rev. C. V., 954
D. M , 1009
E. C., 940, 942
F. G., 1093
H. J , 905
J. A., M.A , 456
J. A., M.D , 728
J. D., 705, 745, 752
J. F., 730
J. W., 1115
K. H., 1010
M., 960
R. C., 543
S. J., 980
T. K., 725
W E , 922
M'Lean, J., 638
McLearn, F. H., 737
MacLeay, K. N. G., 1556
McLeish, D. A. S., 625
J., 177
J. A. B., 717, 736, 738
R. M., 1071
MacLellan, G. D. S., 91, 103
Rev. T. M., 886
McLellan. A. G., 1092, 1098
R. D., 302, 309
W. G., 786
Maclennan, A., 635
A. H., 696
R D., 778
MacLennan, E. A. E., 745, 750
H., 777
I. A., 744, 755
J. M., 727
Rev. M. A., 889, 890
McLennan, E. I., 999
H. R., 628
Mrs. P., 727
Macleod, C. M., 688
F., 699
J., 581
J. W., 644
J. Winifred, 61, 70
M., 587
M. D., 517
N., 568
MacLeod, A. C., 325
A. W., 788
C., 346
D. H., 356
D. R. E., 934
E. G., 844
E. K., 1094
H. J., 734
J. G., 604, 607
J. W., 902
M. C., 65
McLeod, D. A. G., 90
McLeod, H. D. C., 416
J. A , 810
J. M., 639
P. A., 875
P. A. I., 1095
R B., 949
T. H , 902
McLetchie, N. G. B., 748
McLintock, D. R., 444
McLoughry, E. I., 939
McLuckie, J., 1042
McLuhan, H. M., 919
MacLure, M., 919
McMackin, Rev. J. J., 1783
M M., 1774
MacMahon, B., 43
J. S., 1052
K. A., 156
McMahon, D., 600
M. F , 1793
P. R., 1027
R. E., 781
T. S , 1064
McManmon, G., 847
McManners, Rev. J., 446, 470
MacManus, M. E., 1776
McManus, M., 163
R. N., 695
McMaster, D. N , 1535
McMath, J. P. C., 808
McMichael, J., 370, 375, 1098
Macmillan, A. A., 729
D. S., 1053
E. W., 186
L. D., 609
R. H., 91
MacMillan, C. J., 796
C. W., 785
E , 684, 685
J A , 796
K , 41
M. P , 661
R. G., 1195
Hon. W. J. P., 886
McMillan, D , 598
G. C , 788
J. R. A., 1041, 1054
S. G., 1108
W. M., 1542
McMinn, R. M. H., 501
S. J., 411
McMorran, H. I., 108
McMullen, Rev. G. A., 954
J. J., 1106
McMurchy, K. A., 690
Macmurray, J., 600
McMurray, G., 905
McMurrich, K. I., 930
Macnab, G. H., 367, 373
Macnabb, D. G. C., 448, 466
Macnae, W., 1179
Macnaghten, Rt. Hon. Sir M. M., 78
McNair, Sir A. D., 99
A. Y., 725
D., 406
F. E., 727
P. M. J., 165
McNally, A. G., 940
P. A., 1775

McNally, W. J., 787
McNaught, A. B., 623
M. I., 497
MacNaughtan, T. R , 617
McNaughtan, I. D., 1033
I. P. J., 586
MacNaughton, E. B., 940
McNaughton, E. A., 789
F. L., 786
Mrs. M. E., 159
McNaulty, N., 244
McNeely, J. A., 719
Macneil, D. B., 752
W. H., 746
MacNeil, D. J., 890
Rev. D. J. J , 918
J., 851
McNeil, C. K , 626
MacNeill, A. C. M., 639
B. H., 939
Mrs. E. G., 939
F. E., 402
N. J., 664
R., 684
R H., 686
McNeill, D. B., M.A , 190
D B , Ph D., 519
D. H., 743
J. 622
K. G., 623
W. M., 582
McNeilly, F. S., 1196
MacNeish, Mrs. J. H., 739
MacNevin, M. C., 851
Macnicol, Rev. R. S., 1351
McNicol, H., 425
R. W. E., 1034
McNicoll, Mgr. J. O , 770
W., 645
McNinch, C. E., 941
McNish, W., 630
MacNiven, A , 629
McNiven, C , 718
McNutt, W. S., 848
MacOdrum, M. M., xxix 736, 737
McOmie, J. F. W., 58
Maconachie, B. H., 657
MacPeak, H., 825
Macphail, M. S , 738
MacPhail, A. N , 629
McPhedran, M. G., 935
Macphee, I. W., 198
MacPhee, E. D., 713, 715
G. G., 193
McPhee, A., 207, 220
Macpherson, A. G., 645
A. I. S., 605, 606
A. M. C., 346
B., 275
C B., 925
I , 170, 171
J., 609, 924, 954
J. W., 942
L. B., 747
L. G., 871
Mrs. M., 1535
P. A., 928
R. A., 813
R. E , 101
Macpherson, R. T., 587
W. J., 585
MacPherson, A., 583
A. D., 697
C. R., 1136
G B., 875
Rt Rev. H., 890
Rev. J., 923
McPherson, A G , 67
A. I., 779
D. H., 523
D. R., 1514
E. A., 608
H. A., 808
Joan, 628
T H , 526, 538
McPhilemy, Rev. J. A., 1318
Macquarrie, Rev J., 619
MacQuarrie, Hon. J. H., 747
MacQueen, A. T., 647
I. A. G., 588
Mrs. W. W., 619
McQueen, J. M., 738
McQuillan, M. T., 999
McQuillen, K , 80
McQuillin, F J , 137
L A., 279
McQuirk, D. J , 1137
Macrae, J., 65
J. C., 174
Mother N., 1053
MacRae, D A , 917
D. G., 273
D. M., 748
H M , 932
W , 625
McRae, C. F., 840
C. R , 1043
D , 786
D. I. , 789
J. A., 871
M. D , 1063
R. F , 923
MacRitchie, F., 583, 591
McRitchie, Mrs. M., 756
McRostie, P G , 1451
McSherry, B. J., 942
MacSween, Rev. R. J , 890
MacSweeney, J. J., 1785
McSweeney, A., 1036
D. T., 1793
McTaggart, D. E , 720
K. C., 719
McVey, H., 1775
I. I., 998
McVittie, J. I , 745, 750
McWee, D., 638
McWeeny, R., 137
McWhinney, J. L., 661
McWhirter, R., 605
McWilliam-Smith, M. B., 1199
Madan, B. K., 1329
I. N., 1393
M. P., 1339
P. J., 1268
T. N., 1336
Madden, A. F., 445
Rev. J. F., 919
Maddern, C. B., 984
J. P , 985
Madders, M. A., 36
Maddick, H., 34
Maddison, A. E., 318
Maddock, A. G , 81
Maddocks, W. R., 504, 510
Maddox, J. K , 1050
J R , 402
Madelin, M. F., 1524
Mader, V. O., 749
Madge, C., 37
M. A. P., 284
P. E , 986
Madgin, W. M., 137
Madgwick, P. J., 430
R. B., xxxii, 1019
Madhava, B. N , 1275
Madhava Rao, B. S., 1362, 1364
Madhavan, P , 1355
Madhavan Nair, A. P., 1349
Madhekar, R. B., 1387
Madhosh, S. P., 1222
Madhya Pradesh, Gov. of, 1368
Ed Min. of, 1421
Madikhaya, M K., 1435
Madill, H. H., 928, 945
Madras, Gov. of, 1252, 1348
S., 776, 911, 914
Madura, S., 1372
Maegraith, B. G., 198
Maelzer, D. A., 986
Magarey, F. R., 560, 1051
Magarvey, R , 684
Magee, B. J T., 58
C C., 544
Elizabeth, 684
F J., 1003
G. R , 959
M. B , 159
R. J., 596
Magill, B., 604
C. P , 531
E. S , 808
Rev. W. B. B., 38
Magnan, A., 830
Magner, D., 863
Magnet, J. W. V., 645
Magnus, H. A., 332
Magny, Mme. C. E., 84
Magrath, C. R. R., 1772
Magri, J., 501
Mrs. V., 1102
Maguinness, W. S., 264, 267
Maguire, O. D., 429, 430
P. I., 154
R. A. J., 455
Rev. R. K., 1776
Mahabal, S. B., 1265
Mahabale, T. S., 1405
Mahadeva, Mrs. M., 1453
M. A., 1224
Mahadevan, C., 1247
K., 1446
M. N., 1447
R., 1355
T. M. P., 1349
V., 1356
Mahajan, B. R., 1311
C. V., xxx, 313, 1221

Mahajan, D. R., 1393, 1397
Justice M. C., 1398
V. T., 1374
Y. S., 1406
Mahajani, A V., 1421
G. S., xxx, 1302
Mahalaha, H. L., 1369
Mahalanobis, S. C., 1301
Mahale, K. J., 1333
Mahalingam, S., 1454
T. V., 1349
Mahalingham, V. A , 1350
Mahan, C. L., 849
Mahanti, P. C., 1291
Mahanty, S , 1310
Mahapatra, G. S. D., 1435
N., 1436
R. M., 1434
Mahdhar, T. U , 1036
Mahendra, B C., 1221
Mahendran, S , 1452
Maher, Mrs B. I., 1102
T., 765
Maheshchand, 1388
Maheshkar, G , 1386
Maheshwari, G. L., 1223
H. L., 1227
P., 1303, 1314
P. P., 1305
S., 1304
Maheux, Rev. A , 758
G., 761
Mahindra, B P , 1388
S. P., 1388
Mahindroo, S. R., 1398
Mahler, K., 400
Mahmood, A. N. M , 1466
B. M , 1470
Mahmoud, A., 1558
Mahmud, K., 1233
K. A., 1466
Z., 1233
Mahon, E. F., 724
P. T., 1099
Mahoney, Mgr. A. P., 961
J. C., 1033
R. A., 716
Mahood, D. E., 793
J. H. S., 874
M. M., 1528
Mahrotra, R. N., 1228
Mahulkar, D. D., 1265
Maidment, K. J., xxxi, 1105
W. M., 1036
Mailer, N. M., 1544
R., 629
W., 1543
Mailhoit, Rev. B., 833
C., 828
Rev. M B., 828
Maillet, U., 895
Mailloux, A., 758
Rev. N., 833
Mailvaganam, A. W., 1453
Main, A., 142
A. R., 1071
J. M., 1002
Maingot, R. H., 346
Maini, G. L., 1283
Mainkar, S., 1387
Mainland, M. O., 1005
W. F., 504
Mainstone, P. A., 542
Mair, A., 651
J. A., 618
L. P , 270
W. A., 19, 98
W. F., 643, 652
Maiti, H. P., 1403
Maitland, B. J., 191
D. G , 1050
D. W., 1046
H. B., 406
P., 80
Maitland-Muller, D. G , 293
Maitra, S K., 1291
Maizel, M L., 912
Maizels, M., 362
Majed, A. H., 1285
Majed Khan, A., 1019
Majeed, H. R. A., 1363
M. A , 1403
R , 1513, 1515
Majid, A , 1488
M. A., 1480
S A., 1403
Majid Khan, A., 1467
Majli, B. R., 1332
Majmudar, K. J , 1264
M. A., 1324
R. J., 1268
Majnoon, A. S., 1224
Major, J. V., 402
K., 441, 473, 474
M P., 1379
W., 832
Majstrenko, P., 1020
Majumdar, B. B., 1274
D. N , 1336
G., 1491
G C., 1296
G. P., 1465
I B., 1296
K , 1241
M N., 1324
M. R , 1272
N. N , 1312
R. C , 1310
S. K., 1294
S. R., 1440
S. S., 1341
V. A., 1332
Majumder, S. K., 1293
Makdoom, A. A., 1494
Makeshwari, P., 1302
Makhdoomi, M. A., 1482
Makhija, M. T., 1308
Makhijani, D. P., 1269
J. K., 1451
Makin, K., 986
Makinson, R. E. B., 1045
Makower, H., 271
Makowski, Z. S., 256
Maksymiuk, D., 906
Mal, K., 1393
Malach, V. W., 882
Malakar, M. C., 1336
Malalsekera, G. P., 1453, 1457, 1458
Malan, A. P., 1152
Malan, B. D., 1193
D. E., 1175
D. F., 1185
D. J., 1165
H. P , 1185
J. P., 1157
M. E., 1188
S. I., 1151
Malani, I. D., 1266
K. P. S., 1258, 1259
Malaviya, B. K., 1342
Malbon, G., 564
Malcolm, A. R , 92
D., 1145
D. A., 30
Sir D O , 457
J F., 632
R. J. W., 1052
Malcolmson, H. M., 814
P. H , 697, 698
Male, N. P., 495
Malhan, S., 1267, 1269
Malherbe, E. G., xxx, 1142
F E. J., 1186
I. de V., 1188
W. B , 1174
W D., 1170
W M. R., 1187, 1190
Malhotra, B. N., 1392
C. L , 1309
K. C., 1224
P. C., 1223
P. N , 1418
S. K., 1392
S. L , 1396
Malik, A. A., 1479
A Q., 1481
I , 1483
K , 1306
S C., 1308
U. S , 1294
W., 1233
Z , 1235
Mrs. Z., 1479
Malins, J. M , 40
Maliphant, G. K., 1549
R. G., 556
Malhwal, B. N., 1225
Malkani, A. B., 1223
J. H., 1268
P. K., 1309
Malkin, T., 58
Mall, L. P., 1421
Mallam, P. C., 453
Mallen, C. E., 137
Malleson, N. B., 310
Mallett, E. C., 155
H. R., 96
M., 698
Mallick, S. M. K., 1476
Mallikarjunan, S., 1422
Mallikarjunappa, P., 1365
Mallinson, Sir P., 353
V., 494
Mallison, H. V., 564
Malloch, A. C., 791
A. E., 777
Mallon, Rev. H. V., 919
Rev. J. F., 708
Rev. J. P., 904

Mallon, Rev. P., 907
Mallory, H. E., 721
J. R., 776
Mallowan, M. E. L., 228
Malloy, C. J., 786
T. R., 410
Malmo, R. B., 788
Malmquist, N. G. D., 291
Malnick, B., 240
Maloba, G. P., 1534
Malone, Canon E., 756
F. J., 1071
Rev. P. G., 899, 900
R. G. S , 663
Maloney, A. F. J., 604
P. J., 863
Malpas, P., 196
Malpass, J. C. L., 395, 415
Malpress, F. H., 658
Malta, Gov. of, 1519
Maltby, E. J., 931
Malthus, C., 1100
Malviya, C., 1229
Malwad, S. S., 1333
Mamo, A. J , 1520
Manan, A., 1435
Manchanda, J. C., 1397
Manché, J. A., xxxi, 483, 1501, 1519
Manchester, J. S., 749
Mandal, A. K , 1303
P., 1439
Mandelbrote, H. J., 1132
Mandl, A. M , 29
P., 738
Mandre, S. R , 1360, 1364
Maneely, R. B., 193
Manerikar, R. B., 1405
S. D., 1265
Mangalgiri, S. R., 1374
Mangalik, Mrs. M., 1337
V. S , 1341, 1342, 1344
Mangeshrao, R. B., 1333
Mangion, J. J., 1520
Mangrulkar, Y. B., 1373, 1376
Manhas, M. S., 1421
Mani, K. M., 1427, 1429
M. S , 1222
Manickavelu Mudaliar, M., 1255
Manikyam, T. W., 1387
Manilier, M., 1098
Maniruzzaman, A. N. M., 1468
Manistre, B. F., 205
Manjanath, S., 1361
Manjunath, B. L., xxxi, 1360
Mankad, D. R., 1323
J. G., 1324
Mankodi, C. L., 1325
Manley, C. H., 172
D., 1542
E. B., 30
G., 245, 248, 573
M. J., 707
Manly, B. M., 624
Mann, F. G., 80, 107
H. C., 391
H. M., 814
J., 436
J. de L., 473
Mann, J. P., 163
K. C., 722
K. H., 495
M. R., 297
O., 906
P. M., 941
S. E., 240
T. R. R., 95
W. N., 328
W. R., 708
Mrs. W. R., 708
Mannan, A., 1387
Manners, D. J., 596
J. G., 517
Mannheim, H., 271
Manning, B. S., 265
C. A. W., 272
G., 1102
G. W., 960
J. K., 1048
P. A., 452
P. P , 162
Manohar, R., 1237
Mansbridge, A., 500
J. N., 605
Manseau, A , 831
O , 831
Manser, A R , 519
Mansergh, P. N. S., 86, 1769
Mansfield, B. E., 1044
H , 1536
Rev. M., 1504
M. G., 821
O. T., 43
R., 246
W. K., 280
W. S., 90, 99
Mansie, J. W., 327
Mansingh, R. K., 1311
Mansinha, M., 1436
Manson, A. B., 729
D. I , 587
J., 37
J. L., 1556
N , 912
Right Rev. T. W., 394, 414
Manson-Bahr, Sir P., 332
Mansour, M., 749
Mantha, L., 863
Manthiramurthy, I. D., 1356
Mantle, J. B., 906
Manton, B. G., 256
G. R., 1090
I., 161
S. M., 266
Manuel, A. J , 246
Manwell, A. R., 61
Manzotti, M., 37
Maple, H. L., 1147
Maplesden, J. C., 941
Mapp, W., 1032
Maqbool, J. M. A., 1480
Marais, B. J., 1170
D. J., 1188
G. V., 1185
I., 1200
J. L. C., 1194
J. S., 1195
T. J., 1169
Maranda, E., 768
J , 826
J. G., 858
R., 761
Marantz, O., 808
Marathe, G. M., 1285
Mrs. K., 1373
Marc-André, Br., 760, 771
March, Mrs. B. E., 723
H. F., 65
J. W., 853
L. D , 1544
N. H., 505
Marchand, F., 828
J. P., 857
P E., 1204
P. R , 781
R., 767
Marchant, E. C., 462
J., 42
R. B , 155
R. H., 287
Marchildon, P., 832
Marcia, Sr. M., 924
Marckwald, W. M., 156
Marcon, C. A., 491
Marcotte, A., 762
Rev. E., 865
Rev. F. X., 861, 862
J. E., 833
J. E. A , 826
Marcoux, H., 767
Marcus, M. D., 721
Mardiros, A. M., 693
Maré, J. A. G., 1168
W , 1164
Mares, F. H , 1070
Margeson, J. M. R., 683
Margetts, E. L , 786, 788
Margimson, K. F., 744
M. A., 999
Margoliouth, H. M., 466
Maria Benigna, Sr., 420
Maria Catherine, Sr., 844
Mariappa, D , 1354, 1356
Mariappa Bhat, M., 1350
Marie Agnes, Sr., 844
Marie-de-Lourdes, Sr., 897
Marie-Donalda, Sr., 835
Marie Eustella, Sr., 845
Marie-Héloïse, Sr., 835
Marie-Immaculée, Sr., 835
Marie Jeanne d'Arc, Sr., 895
Marie-Noélie, Sr., 835
Marie-Stéphane, Sr., 835
Marie-Thérèse, Sr., 921
Marier, R., 790, 828
Marin, A., 830
D., 922
E., 769
Marinos, N. G., 987
Marion, D., 831
P., 831
S., 859
Maritz, Rt. Hon. G. J., 1183
S., 1179
Mark, H., 313
H. T., 422
I. R., 1305
Markham, A. F., 1275

Markham, F. M. H., 446, 461
N. P., 1089
Markland, E., 425
Markle, A. G., 688
Markley, D. J., 899
E., 313
Markowe, M., 410
Markowitz, J., 933, 942
Marks, G , 1199
J., M.A , 398, 418
J., M B., 93
J., M.D., 558
Marlatt, H., 813
Marler, P. R., 100
Marley, B. H., 1356
Marleyn, R., 551
Marlow, A. N., 396
Marnham, R., 353
Marples, B. J., 1092
D. L., 91
Mrs. M. J , 1089
Marquard, Mrs. N. J , 1187
Marquis, A., 769, 771
Marr, A., 630
J. A. S , 1130
N. G., 43
Marrable, A. W., 68
Marriage, A., 723
Marrian, D. H., 94
G. F., 596
Marriner, S , 188
Marriott, H., 303, 309
H. L., 339
R., 308
Marris, A. W., 717, 723
R. L., 83, 102
Mars, G. P., 148
J. A., 396, 422
Marsden, A., 156
A. W., 496
E. A., 1051
E. W., 190
J L., 405
P., 1179
P. L., 166
T. L , 395
Marsh, A. A., 168
A. I., 456
D., 776
D. C., 428, 1113
G. H., 716
H., 137
J., 684
Rev. J., 436
Jean, 685
L. C., 714, 723
L. R , 331
M. C., 1179
N. S., 452, 468
R. W., 70
S., 392
Marshak, R. E., 44
Marshall, A., 982
A. C., 1105
A. J., D.Phil., 350
A. J., Ph.D., 1071
Alice J., 628
A. M., 750
C. E., 1043
C. J., 325
Marshall, C. S., 748
D., 545
D. G., 55
D. N., 313, 1279
E. F., 234
F., 750
Mrs. F , 745
G., 623
J., M.D., 604, 607
J., Pretoria, 1168, 1169
J. E., 706
J. G., 1114
J. S., 779
Rev. L. H., 184
L. M , 474
M , 444, 472
M. R., 696
M. V., 683, 685
N., 198
O. J., 927
O. R , 305, 309
P. B., 55, 1536
P. D., 60
R. I , 662
S. V., 1049
T. H., 273, 573
T. K., 170
W. T , 625
Marshman, W. M., 984
Marsland, E. A., 31
Marsolais, A., 830
Marson, E. A., 406
F. G. W., 170
Marston, A. D., 327
A. E., 42
H. R., 985
M. E., 429
W. E., 96
Marstrand, J. M., 105, 515
Martel, A., 767, 768
F., 767
H., 827
Rev. J., 860, 867
J., 764, 827
J. A., 832
Martienssen, H., 1195
K., 1199
Martin, A., B.S.A., 895
A. F., 444, 463, 465, 467, 484
A. H. H., 1102
Dr. A. J., 347
Audrey J., 163
A. P , 799
A. R., 301
A. R. H., 1177
B., 501
B. W., 138
B. W. D., 294
C., 985
C. A., 768
C. B., 983
Rev. C. J., 1786
C. P., 775
D., 622
D. G. E., 191
D. H., 281
D. R., 172
E. A., 827
Eveline C., 315
Martin, E. C., F.C.S., 1024
E. M. F., 798
E. S., 392
F., 929
F. M , 251
Mrs. F. M., 1011
G , 828
G. C., 1351
G. H., 569
G. R., 127
H., 958
H. B., 568
H. J., 911
I. L., 288
J., 414
J. B., 744, 755
J H., 812
J K., 1089
Rev. J. L., 1470
J. M., M.S A., 765, 770
J. M., Ph.D., 1480
J. T , 70
J W., 105
K., M.A., 397
K., M.B., 813
K. H., 1035
L., 759
L C., M A., 33
L. C , M.D., 93
L H., 1004
L. W. O., 1024
M. A., 1092
M. C., 693
M. T., 540
N., 1112
N. C , 235
N D., 1047
N. H , 352
O , 871
P , 824
P. G., 986
R., 1179
R. H , 162
R. P., 451
S., 1309
S. J., 781, 789
S L., 1542, 1544
V. M., 1132
W. B., 630
W. H., 354
W. H., B.Sc., 639
W. J., D.Sc., 384
W. J., LL.B., 1003
W. J., Ph.D., 190
W. M., 873
W. S., 1147
Martindale, U. F., 497
Martineau, B., 830
P., 829
Martinelli, L., 833
Martini, F., 159
Marty, F. M. E., 128
Martyn, W., 639
Marvin, A. W., 640
Marwah, V., 1377
Marwick, M. G., 1145
W. H., 597
Marx, M. J., 1789
Mary, H.M. Queen, 253
Mary Barnadette, Sr., 1476

Mary Benignus, Mother, 233
Mary Berchmans, Sr., 844
Mary Calvary, Sr., 890
Mary Evelyn, Sr., 844
Mary Fidelis, Mother, 235
Mary James, Sr., 844
Mary Lua, Sr., 844, 899
Mary St. James, Mother, 961
Maryam, K. E., 1479
Masaldan, P. N., 1339
Mascall, Rev. E. L., 455, 460
Mascarenhas, R., 1352
Masefield, G. B., 451
Mashruwala, M C., 1322
Masih, S , 1345
Maskell, Mrs. D. A. L., 290
E. J , 29
Maslen, H., 1106
Maslen-Jones, S. W., 41
Maslow, A P., 722
Masoji, A , 1372
Mason, A T., 588
B., 96
B. J., 258
C M., 397
D K., 648
E. C., 598
E. D., 1352
F., 1512
F. V., 940
G. A., 147
G. F. P , 165
Mrs. G. M. S., 60
H. S., 38
J. F. A., 446
K., 491
Rev. L., 568
P , 62
R , 302
R. G , 258
R. P. S , 43
S. A., 331
S. F., 992
S. G , 776
W. M. T., 590
Masooda, K. F., 1235
Massé, A., 761
Massee, A. M., 391
Massey, B. S., 303
H. S. W., 307
P. C., 1101
Massiah, T., 911
Massie, G., 328
Masson, A. M., 784
P., 824
Masterman, J. C., 469
N. C., 551
Masters, D. C., 711
Masterson, J., 55
Masterton, G., 436
J. B., 143, 626, 635
Masudi, M. M. S., 1328
Masuyama, S., 1380
Matas, M., 696
Matchett, D. C., 609
Mateesco, N., 829
Mathad, F. G., 1387
Mathai, S., 1214
Mathee, J. J., 1166
Mather, C. M., 1509
Mather, F. C., 519
J. M., 727
K , 33, 46
N. J. de V., 410
T. E., 912
W. B., 1034
Mathers, A. T., 812
R. M , 650
Matheson, A., 618
A. A., 646
Rev. A. D., 954
D., 640
D C., 874
J. A. L., 397
Rev. W., 596
Mathew, A., 1340
A. G., 455
K M., 1285
M., 1305
Rev. P. C , 1429, 1430
T C., 1412
Mathewman, T. H., 1465, 1469
Mathews, R. L , 981
R T., 1020
W H., 788
Mathewson, F. A. L., 812
I R. D., 562
Mathiaparanam, K., 1453, 1458
Mathias, Mrs. F. C. M., 1133
J , 1309
P., 100
W. A , 544
Mathieson, A. R , 425
D W , 297
M. J., 986
R., 397
Mathieu, A., 770
C., 831
Abbé C., 828
M., 828
Mathisen, A. K , 725
Mathison, I., 987
Mathur, A. P., 1418
A. S., 1316
B. B., 1321
B. S., 1224
D. R., 1386
G., 1392
G C , 1227
Mrs. G. D., 1227
G. K., 1387
H. B., 1304
J. B. L., 1343
J. N., 1310
J. P., 1344
J. S., 1311
K. B. L., 1304
K. N., 1222
K. P., Delhi, 1305
K. P., M.A., 1228, 1230
K. P., M.Sc., 1222
K. S., B.Com., 1336
K. S., B.Sc., 1303
L. P., 1221
M. C., 1223
M. P., 1226
M. V., 1411, 1414
O. P., 1228
Mathur, P. K., 1306
P. N., 1222
P. S., 1224
R. B., Agra, 1228
R B., Luck., 1337
R. C., 1226
R. M., 1228
R. N., 1310
Raj Narain, 1396
R. P. P., 1224
R. S , 1226
Mrs. S , 1311
S. B., 1228
S. B. L., 1339
S. C , 1224
S. C., Raj., 1413
S G. P., 1238
S. N., 1342
S. P , 1229
V. N , 1389
Matinuzzuman, M., 1236
Matoo, G. N., 1329
Matsukawa, B., 291
E , 573
Matte, A , 763
L., 762, 763
Mattessich, R., 839
Matthaei, E. A. F., 999, 1011
Matthew, G. D., 604, 606, 608
H. J S , 606
R H., 596
T U., 33, 54
Matthews, A W., 713, 721
B. C., 941
Sir B. H. C , 88, 101
D G. J , 1544
D. N , 363, 364, 373
E., 404, 422
G. M., 564
G O., 726
H. T , 95
J. C., 166
J. E., 639
Joan E., 552
J. R., 581
P. E., 1144
P. T., 35
R. C. O., 82, 105
S. A , 435
T. H., 774
W. K., 240
Mattick, A. T. R., 496
Mattingly, H. B., 425
Mattock, A. H., 256
Mattocks, K. M., 1042
Mattur, A., 1311
Matty, A. J., 428
Matzinger, K. E., 864
Mauchline, Rev. J., 621
Maudsley, R. H., 452, 459
Maughan, G. B., 787
Maulding, R., 475
Mauldon, F. R. E., 1069
J. G., 447, 460, 468
Maule, J. P., 601
Maunder, A. H., 452
W. F., 1544
Maunsell, F. G., 519
Maura, Sr., 756, 844
Maurault, Mgr. O., xxx, 824

Maurer, Rev. A. A. A., 924
K. W., 809
Maurice, G. U., 912
R. J., 308
Maurois, A., 772
Mautner, A. J., 257
Maw, G. A., 358
P., 1009
W. A., 792
Mawdsley, J. B., 904, 906
M. A., 713, 717
Mawson, D. G., 1108
S. R., 332
Maxted, Mrs. B , 493
D. R., 493
E. B., 58
Maxwell, A., 402
D., LL.B., 602
D., M A., 140
D E., 870
E. A , 103
I , 990
I C. M., 1502
I D., 727, 734
I R., 1001
I. S , 503
J. C., 139
R. W., 412
W. A., 1150
Mrs. W. A , 1178
W. R., 744, 755
W. T D., 1052
May, A., 1025
D E., 69
E. C., 689
F , 165
H. B., 335, 336
L H , 987
L. H. H , 92
M. D. S., 1034
T. E., 515, 585
Z , 927
Maybee, G. R., 851
Maycock, A. L., 96
W. d'A., 388
Mayer, A. C., 994
C. A., 519
D., 1806
H , 1043, 1046
M., 1099
P., 253, 1177
Mayer-Kalkschmidt, J W. P., 1512
Mayes, B. T., 1050
Mayeur, M. H., 196
Mayfield, G. E. T., 156
Mayhead, R., 1452
Mayhew, Y. R., 63
Maynard, G W., 544
W. A., 598
Mayne, D. Q., 1198
J. W., 742
Mayneord, W. V., 372
Mayo, B., 36
G. M. E., 986
H B., 694, 776
J. C., 985
Mayr-Harting, A., 67
Mayrand, A., 829
Mayrolle, M., 772
Mayrs, E. B. C., 663
Mays, J. B., 192
W , 401
Maytham, D V., 1135
Maze, W. H., 1041
Mazıec, K., 863
Mazıruddın, K , 1466
Mazur, S. J., 853
Meacock, S. P., 31
Mead, D. J., 520
H C. H., 521
J. T , 130
W R., 304, 313
Meade, B. W , 332
J. E , 270
Meadows, M. G., 685
S P., 366, 370
Meads, E. B., 942
Meagher, A J., 747
J. W., 793
V W , 790
Meah, M D , 1469
Meakins, G. D , 396
J. F., 786
Mealing, S. R., 738
Meanwell, R. W., 706
Meany, Rev. W., 1783
Meares, P., 581
Mearns, A. G., 629
Mech, M. C., 1317
Mechie, Rev. S., 619
Med, Rev. J., 1353
Medawar, P. B., 309
Médéric, Br., 895
Medhı, J. P., 1317
Medlıcott, R. W., 1094
W. N., 271, 567
Medlın, E. H., 983
Medovy, H., 813
Mee, R. J., 340
Meecham, Rev. H. G., 414
Meehan, Rev. D., 1783
Meek, Mrs. D. L., 624
E S , 66
G. A., 453
J. M , 194
R. L , 623
T. A., 1119
Meen, V. B., 921
Meenakchisundaram, T. D., 1252
Meenakshi Sundaram, S., 1247
Meenakshısundaram, T. P., 1351
Meenan, J., 1787
Meerkotter, F. W., 1171
Megaw, A. K., 666
H. D., 88, 109
J. McI., 663
Meggıtt, S. M. A , 1144
Meggy, A. B., 176
Mehdı, S. H., 1307
Mehra, A. N , 1338
B. B., 1308
B. S., 1393
H. R., M.A., 1308
H. R., Ph.D., 1241
J. D., 1303
P. N., 1392, 1393
Miss S., 1222
Mehra, Mrs. S., 1305
S. R., 1397, 1398
S. S., 1265
Mehrotra, B. N., 1345
G., 1243
G. P., 1223
K. K., 1240, 1242
M. R., 1240
R. M. L., 1342
R. R., 1223
S. N., 1227
S. R , 1422
Mehrunnısa, S , 1388
Mehta, A. J., 1267, 1269
B. M., 1285
B. N., 1221
B V., 1323
C. C., 1265
C M., 1264
C. R., 1322
D. D., 1307
G. K., 1331
H. C., 1266, 1269
H. R., 1393
H S., 1282
Mrs. I., 1225
J. K., 1240
J. M., 1321
P. P., 1324
P. V., 1222
R. C., 1266, 1269
R. K., 1303
R. K., B.Sc.(Ag.), 1303
R. S., 1369
S. H., xxx, 1264
S J., 1282
S R., 1322
T. N., 1375
T. R., 1227
U. H., 1280, 1289
V. P., 1321
Mehtab, M., 1483
Meidner, H., 1142
Meiggs, R., 441, 458
Meijer, R. P., 1002
Meikleham, M. H. C., 798
Meiklejohn, A., 629
A. K. M., 611
A. P., 603
M. F. M., 621
W., 987
Meineck, F., 183
Meinhard, H. H., 136
Meiring, A. L., 1162
J. de V., 1200
J. G., 1191
L. Y., 1133
Meisel, J., 874
Mejer, E., 429
Mekie, D. E. C., 1514
Melamed, S., 778
Meldrum, P. T., 158
Melland, C. H., 422
Mellick, J. A., 941
Melling, J., 177
Mellor, B., 1074, 1503, 1506
C. D., 781
D. P., 1042
E., 415
G., 60

Mellor, T., 187
W. C., 405
W. W., 1196
Melnyk, M. Y., 840
Melsness, H. C., 691
Meltzer, H., 698
Melville, C., 409
H. W., 29, 53, 159
I. S., 141
J., 37
K. I., 788
L. G., xxx, 992, 997
P. C., 96
R. P, 1052
T. H, 543
Melvin, H. M., 598
W. J. S, 876
Melzock, R., 779
Memon, S. M, 1493
Ménard, J., 834
J. A., 759
R., 857
Mence, M. J., 539
Mendel, D., 266
D. L., 785
Mendelsohn, N. S, 809
Mendelson, J., 510
Mendelssohn, E., 1195
K. A G, 449, 573
Mendis, B., 1453
G. C., 1452, 1458
Mendoza, E. B, 62
Mene, P. S., 1375, 1378
Meneghello, L, 494
Menezes, A., 1406
Mennie, D. M, 139
J. H., 776
Menof, P., 1200
Menon, A. K., 1266
A. N. K, 1355
A. S., 1333, 1334
C N., 1259
Mrs. D. K., 1351
I. N., 1352
K. G., 1355
K. N., 1348
K. P. G., 1352
M. K. K, 1355
M. N, 1356
P. B., 1324
P. B., Raj., 1414
P. N., 1429
P. S., 1311
S., 1252
S. K., 1412
T. C. S., 1427
T. K. N., 1266, 1270
V. K. G., 1430
V. K. N., 1402
Menschik, Z., 857
Mensinkai, S. W., 1332
Mentz, H. E. A., 1162
Menzie, E. L., 713
Menzies, B. P., 244
D. W., 1010
E. A., 646
G. H., 1134, 1139
J. A., 811
R. D., 1513
R. F., 586
Mer, C. L., 259, 391
Merani, J. C., 1267
Mercer, D. M. A, 519
F. V, 1042
H. F., 822
J. O., 1095
Rev. S. A. B., 952
W., 604, 606, 1518
Merchant, K. T., 1282
W, 411
Rev. W. M., 545
Mercier, A., 767
F., 829
L. P, 759
R., 863
Mercier-Gouin, L., 858
Mercure, H., 764
Meredith, B. C. J., 1012
C. A., 1773
C. H., 333
G. P, 166
H. O., 662
R, 413
W. C. J., 774, 783
W. J, 402
Meredith-Owens, G. M., 119
Merefield, R. R., 784
Merivale, W. H. H, 328
Merkeley, N. P., 806, 814
Merlen, R. H. A, 287
Mermer, M., 761
Merrick, E C., 684
Merridew, J. N., 318
Merrifield, E., 1009
Merrilees, D., 1069
Merrillees, N. C. R, 998
Merriman, J. E., 904
Merrington, Mrs. M. P. M., 309
Merrison, A. W., 191
Merritt, J. E., 745, 746
J. W., 750
Merskey, C., 1135
Merson, A. L., 519
Merton, G, 439
Mes, M. G., 1163
Messel, H., 1045
Messerle, H. K., 1048
Messervy, A., 68
Meston, M. J., 1064
Metayer, T. J., 912
Metcalf, A., 170
J. R., 507
W. K., 57
W. S., 1110
Metcalfe, G., 263
G. E, 1524
O. K., 509
Metford, J C. J, 205, 624
Methven, M., 603
Metiakos, J. D., 777
Metivier, H. V. M., 1548
Meunier, P., 830
Mewburn, F. H. H., 697
Meyer, A., 372, 382
Mrs. A. C., 1163
A. M. T., 1165
A. R., 1042
B., 778
B. J., 1169
Meyer, C. J., 1178
F. V., 563
M. A. du T., 1157
M J., 1203
M. L, 506
R. E., 1047
S. F., 1201
Meyers, E S., 1035
R. M., 1356
Meyler, D S, 532
Meynell, M. J., 42
Miah, N. M., 1468
Michael, D. H., 306
I., 59
J. H, 983
Sr. M, 890
Michael Mary, Sr., 706, 707
Michaelis, E. G., 251
Michaelson, S, 257
Michalenko, A., 906
Michalyshin, B, 698
Michaud, J. T., 767
L., 763
M., 895
R, 896
Michell, A. S., 920
H, 799
Michelmore, H T., 567
Michelson, A. M., 103
Michener, D. R, 483
Michie, D, 309
J. A., 582
T. C., 697
W, 588
Michna, S. W., 630
Michotte, A, 670
Micklem, Rev. N., 573
Micks, R. H., 1775
Middlehurst, B. M., 613
H G, 1028
Middlemiss, F. A., 280
J. H, 65
Middleton, Lord, 153
E., 406
G. E., 91, 98
H. S., 87, 107
J. G., 146
P., 1105
Midgley, E. C., 443
E. G., 470
G. C. J., 140
Mifflen, Rev. P. S., 889
Migliorini, B., 313
Mignot, A., 835
Mihalik, P., 1168
Milanov, K., 1063
Milbourn, G. M., 493
Milburn, A. H., 176
A. R., 89
L., 1066, 1147
Rev. R. L. P., 455, 469
T. R., 1534
Miles, A. A., 388
A. E., 706
A. E. W., 335
H., 621
H. B., 154, 156
H. W., 319, 321
R. P. M., 1544

Miles, T. R., 538
Milford, R. B., 1194
Milgate, W., 1043
Miliband, R., 272
Mill, W. A., 359
Millar, D. D., 1045
Mrs. E. J., 144
G. J., 905
I. T., 574
J. L., 906
J. W., 726
T. M., 605, 606
W. M., 587
Millard, A., 161
Mrs. N. A. H., 1134
Millburn, S., 235
Milledge, J. A., 1025
Millen, D. J., 301
J. W., 78
Millener, L. H., 1106
Miller, A., 67, 76
Mrs. A., 912
A. A., 494
A. E., 624
B. D. H., 466
B. F., 750
C. C., 596
C. E., 904
C. W., 718
D. A., 606
D. C., 156
E., F.R.C.P., 353, 370
E., M.A., 85, 105
F. J. W., 144
G. M., 1099
H. G., M.A , 1110
H. G., M.D., 145, 146, 151
H. J., B.Sc., 590
Helen J., 305
H. J. B , 155
J., M.A , 624
J., Manc., 418
J., M.D.S., 404
J., Ph.D., 1068
J. B., 625
J. C. P., 86
J. D. A., 301
J. J., 799
J. M., 457
K. M., 1064
M. J., 796
N., B.Sc., 600
N., M.A., 872
N. P., 284
P. C., 1032, 1034
R., 620
R. A., 607
R. B., 694
Rev. R. G., 707
S., 151, 724, 730
T. B., 1121
T. G., N. Staffs., 575
T. K., 144
V. I., 691
W. O. C., 927
Millerd, A., 1042
Millet, J. A., 832
Millichamp, D. A., 926
Milligan, B., 981
C. H., 737
Milligan, D. C., 851
F. A., 847
J. E., 851
Millin, D., 1198
Millington, A. J., 1068
R. J., 986
Millins, P. K. C., 128
Millis, J., 1514
N., 1009
Millman, A. P., 257
M. B., 935
P. M., 736
Rev. T. R., 962
Milln, M. S., 197
Millott, N., 1543, 1545
Mills, A. G., 1134
B., 33
C. P., 64
D. E., 291
E. S., 575
E. S., M.D., 785
F. D., 492
G. T., 618
H. D., 1557
J. F., 729
J. N., 402, 418
J. R. E., 405
J. R. F., 934
K. F T., 1200, 1203
K W., 127
M. J , 38
O. S , 502
R., 1514
R. H , 1198
W. G., 40
W. H., 100
Millward, R., 569
Milne, A., B.L., 583
A., M.B., 587
A. M., 138
A. T., 239
D. J., 583
E. R. M., 639
F. J., 942
G. P., 587
J., B.Sc., 610
J., M.B., 629
J. A., 628, 635
J. L., 648
Mrs. K., 184
R. S., 59
T. H., 809
W. P., 1518
W. S., 587
Milner, A. M., 1146
B., 787
Mrs. B., 913
C. G., 1025
D. de F., 937
D. E., 69
E. C., 1512
G. B., 291
J. B., 922
J. G., 324, 371
J. M., 33
Milner-White, Very Rev. E., 101
Milnes, H. N., 921
Milsom, S. F. C., 92, 107
Milthorpe, F. L., 428, 987
Milton, A., 562, 565
G. W., 605
W. E. J., 533
Mimpriss, T. W., 359
Minakshisundaram, K., 1254
Minchanda, Mrs., 1307
Minchin, R. S., 1070
Minchinton, W., 551
Minde, M., 1203
Minhaj, F., 1233
Minhajuddin, S., 1487
Minhas, M.-ul-A., 1483
Minio-Paluello, L., 448
Minish, M. J., 689
Minkoff, G. J., 255
Minn, W. G., 1112
Minnes, J. F., 729
Minnis, J. W., 596
Minns, Sir E. H., 119
Minogue, W. J. D., 1106
Minskers, Mrs. H., 166
Minty, D. H., 783
Minville, E., 824, 827, 834
Mirak Shah, 1480
Mirakhur, N., 1329
Mirashi, M. V., 1369
Mirchandani, T. J., 1302 1313, 1314
Mirsky, Prof., 183
L., 504, 514
Mirvish, L., 1135
Mirza, H. A., 1387
I., 1491
M. B., 1236, 1238
T. A., 1387
Misener, A. D., 959
Mishra, B., 1337
B. M., 1277
B. R., 1401, 1403
J., D Phil., 1274, 1275, 1277
J., M.A., 1403
K. B., 1226
M P., 1376
N., 1403
P., 1224
P. N., 1373
R. D., 1376
R. K., 1376
R. R., 1325
R. S., 1338
S. D., 1373
S K., 1379
U., 1241
Miskin, E. A., 302
Misra, A. B., D.Phil., 1258, 1259
A. B., Ph.D., 1422
B. G., 1224
B. K., 1338
B. L., 1227
B. N., 1435
B. P., B.A., 1423
B. P., Ph.D., 1228
B. R., 1226
B. R., Patna, 1403
C. P., 1342
D., Nagpur, 1372
D., Utkal, 1434, 1436
D. S., 1227

Misra, G., 1436
G. S., M.A., 1338
G. S., M.Sc., 1337
H. C., 1417
H. D., 1223
H. R., 1224
J. N., 1421
K., 1340
K. K., 1228
K. L , Agra, 1226
K. L., LL.B., 1240
K. P., 1260
K. P., Luck., 1339
L., 1436
L. N., LL.B., 1229
L. N., M.A., 1223
L. S., 1345
M., 1436
M C., 1435
M. G., 1341
M. L., D Sc., 1421, 1422
M. L., M.A., 1229
P., xxxi, 1434
R., 1421
R. C., 1337
R. K., 1422
R. N., M.B., 1341
R. N., M.Sc., 1368
S., 1435, 1436, 1437
S. C., M.B., 1343, 1345
S. C., Ph.D., 1265
S. D., M.A., 1337
S. D., Ph.D., 1423
S. K., 1368
S. N., 1422
S. P., M.A., 1337
S. P., M.Sc., 1436
S. R., 1221
S. S , M. A., 1337
S. S., M.D., 1342, 1345
U., 1368
V., 1317
V. B., 1317
V. D., 1227, 1308
V. N., 1228
V. R., 1341
V. S., 1337
Mital, P. C., 1344
T. P., 1221
Mitchel, N. C., 1529
Mitchelhill, N. J., 208
Mitchell, A., 863
A. G., 571
A. G., Ph.D., 1043
A. R., 646
A. W., 781
B. G., 448, 462
Mrs. B. M., 474
C., 242
C. L., 715
D., 448, 470
D., Canada, 942
D. R., 933
D. S., 786
E. W. J., 495
F. L., 508
F. W., 1090
Rev. G., 1783
G. A. G., 394
G. D., 564
Mitchell, G. F., Dublin, 1770, 1771, 1773
G. F. C., 59
G. M., 557
H. S., 785
J., 912
J., B.Sc., 1796
J., Ph.D., 906
J. B , 84, 109
J. D. B., 599
J. E., 515, 784
Joan E., 425
J. F. O., 649
J. P., 68
J. R., 95
J. S., 94, 105
J. W., 61
K., 140
K. G , 496
Mrs. M., 621
M. E., 588
M. L., 980
P. D., 80
R , B.P.E., 722
R , M.A., 617
R. E., 1048
R. G., 649
S. T. R. S , 618
T. F., 293
T. J., 638
T. M., 142
W. F., 940, 942
W. M., 608
W. R., 942
W. S., 136
Mitchener, A. V., 811
P. H., 261
Mitcheson, J. C., 258
Mitchiner, P. H., 374
Mitchison, D. A., 372
J. M., 600
Mitford, T. B., 644
Mitford-Barberton, I. G., 1132
Mitra, A., M.A , 1339
Miss A., 1403
A. K., 1316
A. K., V.-B., 1440
A. N., 1310
A. S., 1434
Mrs. B., 1295
B. N., 1306
C. C., 1293
D., 1337
G. C., 1303
J. N., 1308
M. N., 1371
N. C., 1439
P. B., 1295
R., 1307
R. P., 1304
S., 1298
S. C., D.Phil., 1292
S. C., Ph.D., 1338
S. K., D.Sc., 1290, 1292
S. K., M.B., 1468, 1469
S. K., Nagpur, 1371
S. M., 1465, 1468
S. N., 1434
Mitry, W., 1556
Mitsche, R., 422
Mittal, C. P., 1307
D. P., 1304
K., 1417
Mittins, W. H., 138
Mittler, T. E , 251
Mitton, Rev. C. L., 38
G. T., 929
Mittra, A. K., 1240, 1241
S. K., 1241
Mittwoch, U., 304
Miville, R., 760, 771
Rev. R., 771
Miyahara, Y., 141
Mizoguchi, A., 1098
Mladenovic, M., 778
Mncube, F S. M., 1194
Mobbs, E. C., 538
F R., 175, 205
K. W., 61
Moberly, Sir W. H., 1502, 1806
Mocatta, S G., 346
Mocke, Mrs D , 1186
Modak, B. R., 1333
P. N , 1325
Modi, M. C., 1322
T. K., 1325
Mody, A. C., 1269
R. K., 1285
Moe, G. G., 714
Moelwyn-Hughes, E. A., 81
Moffat, D. B., 543
Moffatt, Canon E. K., 711
J., 467
P. McG., 371
R. C., 940, 942
R. G., 729
Moffet, A. A., 1147
A. J., 39
Mofokeng, S. M., 1194
Mogey, G. A., 165
J. M., 450
Mogg, R. A., 557
Moggach, G. S., 939
Moghe, S. G., 1387
V. G., 1281
Moghni, S. M., 1235
Mohajir, A., 1475
Mohamam, H. V., 1303
Mohammad, A., 1480
Hon. B. G., 1328
F., 1236
K., 1328
M. G., 1328
S., 1383
Mohan, K., 1329
M., 1227
P., 1241
R., LL.B., 1224
R., Luck., 1337
R., M.A., Agra, 1225
Rev. T. G., 323
Mohanty, A. B., 1435, 1437
B., 1435
B. C., 1349
G. B., 1434
G. C., 1434
G. K., 1435
J., 1434
R. K., 1435

Mohanty, R. N., 1435
Mohapatra, M., 1436
Moharir, S. K., 1371
Mohayuddin, G., 1488
Mohile, B. V., 1283
G. B., 1323
Mohiley, K. P., 1240
Mohiuddin, A., 1476
A., M.B., 1513
H., 1386
M. K., 1384
Mohogaonkar, V. P., 1373, 1378
Mohr, C. B. O., 1004
R. W., 1187
Mohsin, A., 1387
S. M., M.A., 1403
S M., M.Sc., 1385
Mohtadi, F., 32
Mohyuddin, A., 1481
Moid, A., 1476
Moinuddin, G., 1386
Moir, A. F., 692
C. M., 638
J. C., 453, 465
J. G., 722
P. J., 173, 179
R. J., 1068
R. Y., 871
Moiseiwitsch, B. L., 660
Moisley, H. A., 620
Mokkapati, S , 1386
Molinaro, J. A , 922
Moll, A. E., 788
Molland, R., 77
Moller, C. T., 1202
Møller, Prof., 205
Mollett, J. A., 500, 810
Mollison, E. L., 1006
Molnar, G., 1042
Moloney, P. J., 934, 935
Molson, J. H., 711
Molyneux, L., 144
Momen, M. N., 1467
Momigliano, A. D., 305
Monahan, C. D., 1049
Moncrieff, A. A., 369, 377
Mone, M. T., 1374
Mongar, J. L., 306, 313
Mongia, B. S., 1393
Monie, I. W., 819
Monieson, D. D., 871
Monk, C., 530
W. F., 1113
Monkhouse, E., 220
F. C., 933
F. J., 205, 518
J. P., 340
Monks, F. T., 404
P. J. W., 68
Mönnig, H. O., 1162
Monro, A. D., 1110
D. H., 1045, 1046, 1098
P. A. G., 79
Montague, Rev. R. M., 905, 907
Monteath, H. H., 602
Montefiore, A., 575
Monteiro, E. S., 1514
Monteith, C. M., 457
Montel, G., 769
Montero, A., 585
Montgomery, F., 958
F. H., 939
F. P., 664
G. A., 602
G. L., 604
J. K., 658
S. J., 853
T. H., 784
Montpetit, Hon. A., 829
Juge A., 828
Rev. M., 861, 866, 867
Montreal, Bishop of, 711
Montreuil, F., 831
Montrose, J L., 659, 667
Moodie, A. E. F., 250
A. S., 1505
E. W., 1034
G. C., 623, 655
Moody, J., 570
T. W., 1770, 1771, 1773, 1774
Mookerjee, Mrs. F., 1303
H. K., 1292
P. B., 1298
Justice R. P., 1298
S., 1293
S. K., 1301, 1304
Mookerji, R. K., 1338
Moon, A. A., 1051
F. E., 618
H. P., 570
N. S., 71
P. B., 36
Mooney, B. R., 864
Moor, B. M., 415
Moore, Rev. A. B. B., 954
A. D., 717
A. F., 258
A. M. A., 336
A. S., 331
B. P., 263
C. H., 693
D , 1135
D. F., 904
D. M., 316
E. G., 98
Mrs. E. M., 235
E. W., 65
F. W., 39
G. E., 63, 107
G. H., 1530
H., 507
H. D., 173
H. F., 1790
H. I., 562
J. A. M., 346
J. E., 694
J. H., 492
J. J. O., 790, 794
J. M. K., 1771
J. N. P., 1775
L. R., 503, 514
M. J , 191
N. P. W., 257
N. W., 76
P. G., 308
R., 564
R. A., 963
Moore, R. D., 117
R. H., 64
R. K. L., 1204
R. W., 77
T., 411
Hon. T. C. K., 1770
T. I., 1077, 1078
T. W., 235
W., 589
W. G., 443, 467
Moore-Rinvolucri, Mrs M J., 188
Moorhead, T. G., 1774
Moorhouse, A. C., 550
C. E., 1008
R. G., 623
W. W., 921
Moos, S., 129, 132
Moppert, C. F., 1063
Moragas, F., 505
Moralee, B., 307
Moran, F., 1013, 1074
F. E., 1098
Frances E., 1772, 1774
J. E., 882
P. A. P., 994
T. J., 863
V. J., 1028
Morawetz, B., 924
O , 935
Mordecai, J., 1268
Mordell, D. L., 783
L. J., 105, 119
More, J. S. D , 1091
R. H., 875
Moreau, A., 768
J. P., 697
Moreault, L., 761
Morell, A. L., 425
Moreton, T. G., 1146
Morey, E. A., 1071
Morf, G., 788
Morgan, A. D., 366
A. L., 932
B. G., 187
C. N., 350
D. J., 271
D. O., 95
Mrs. E., 60
E. G., 620
E. J., 620
E. L., 413
E. T., 589
E. V., 550, 553
F. P., 700
G. M., 59, 70
H. G., 650
H. V., 1557
I., 547
J., 546
J. G., 564
J. P., 983
J. S., M.A. Aber., 589
J. S., M.A. Ox., 936
J. T., 429
K. E., 493
L. P., 700
L. R., 483
L. T., 925
M. A., 84

Morgan, M. M , 284
M. O., 821
N. G., 71
O. G , 328
P., M.A., 44
P., M B., 1203
R., 684
R. E., 166, 177
S. C., 717
T. B., 319
T. J., 525
T. N., 587
W. B., 1529
W. H., 547
W. T. J , 388
Morgan-Jones, J , 917
Morgenstern, J., 1194
Moriarty, M., 1788
Morice, L., 762
Morin, Br. A , 894
Rev. C., 826, 827
G., 761
G., C.M , 864
G., Montreal, 831, 832
J. E., 767
P., 831
R., 912
S. M., 569
W , 760, 766
Morison, J. L., 126
L. J., 491
R., 1064
W. L., 1049
Morisset, Rev. A. M., 857, 860, 867
B., 770
G., 762
G., Ph.L., 862
T., 765
Thérèse, 765
Morissette, L., 831
Moritz, D., 863
L. A., 544
Morland, A., 362
Morley, H., 545
M. E., 138
N. H., 719
Mornane, J. W. J., 1003
Moroney, J. R., 1004
P. B., 198
Morphet, A. M., 940
Morphew, K. L., 520
Morrall, E. J., 128
Morrant, G. A., 370
Morrell, C. F. C., 1003
R. C. R., 1512
W. P., 1090, 1096
Morrill, J. L., 422
Morris, A. S., 1131
B., 428
B. S., 1024
Rev. C., 446, 466
C., 1202
Sir C., xxix, 1501, 1502
C. E., 349
C. J. O. R., 335
Sir C. R., 27, 160
D. G., 557
D. G. O., 539
D. P., 539
Morris, E J., 356
E. M. D., 544
E. N., 637
F. G., 77
G C., 85, 101
G. R., 155
H S., 1536
I. V., 109
J., 1193
Hon. Sir J. D., 422, 1062
J. E., 807
J. F., 402
J. H., 530
J. H. C., 452, 463
J. J., 1171
J. R , 305
L., 77, 648
L. H., 355
N., M.A , 405
N., Ph.D., 307
N. R , 1003
Sir P., xxix, xxxiii, 57, 321, 1501
P. G. D., 608
R., B.Sc., 428
R , M.A., 125
R. J. H., 1034
R. M., 545
S. T., 59
T , 545
T. A., 141
T. F., 778
Rev. T. J., 526
T. R., 493
W., 411
W. I. C., 408
W. R., 1093
W. V., 808
Morris-Jones, W. H., 272
Morrisby, J. R., 166
Morrisey, J. J., 1785
Morrison, A. A., 1033
C. A., 265
C. F., 927
C. L , 443, 474
E , 717
F. A., 721
F. O., 792
G. B.Sc., 623
G., M.A., 454
G. A., 530
Rt. Hon. H., 475
J., 661
J. A., 858
J. C., 625
J. F., 992
J. L., 689
J. L. M., 63
J. R., 530
J. S., 81, 107
L., 1114
M. G., 60
M. M., 700
M. S., 658
R., 721
R. B., 626
R. G. K., 783
R. S., 637
S. D., 623
S. R., 1108
Morriss, A., 363, 365
Morrissey, D. M., 43
Morrogh, Mrs. M., 1794
Morrow, A. W., 1050
C., 1070
Morse, B. J., 545
C. J , 458
H. D., 814
N. H., 683, 685
P. W., 725
Morshead, Sir O. F., 102
Mort, E L , 235
Mortensen, B. M. E., 89
Mortimer, C. S., 70
C T., 1556
E. L., 1026
P. H., 95
P. L. F., 64
R. G., 429
Mortlock, J. R., 256
Morton, Lord, 78
A. R., 748, 749
B. St. C., 749
C., 392
D. M., 1178, 1180
E., 399
F., 32
G., 271
G. K., 698
H. K., 1308
H. S., 789
J. G F., 940, 942
J. K., 1524
J M., 736
Mrs. J. M., 576
N. W., 739
R. A., 187
R. K., 999
V. C., 532
W. A., 729
W. E., 413
W. L., 809
W. R. M., 657
Morwick, F. F., 940
Moscovich, B. B., 725
J. C., 725
Moseley, F., 84
H. F., 789
Mrs. N. H., 406
Moser, C. A., 273
J. E., 930
L., 692
W., 581
Moses, C. H., 929
D., 1311
D. G., 1374
Mosher, J. I., 683
Moshkowitz, F., 257
Mosley, W., 934
Moss, A. B., 781
A. J., 245
B. L., 136, 151
E. H., 689
F. J., 1049
G. W. O., 935
M. G., 285
Mosse, W. E. E., 621
Mossop, D. J., 128
Mostert, C. W., 1152

Mostert, J. W. F., 1134
L. C., 1164
Mosvi, S. Y. H., 1338
Motghare, D. S., 1376
Mott, J. L., 599
N. F., 76, 88, 100
R. L., 1074
Mottram, E. N. W., 1512
Motvani, D. C., 1282
Motyer, A. J., 711
Rev. J. A., 71
Motz, H. 442
Motzok, I., 940
Moulder, J. W., 491
Moule, Rev. A. C., 107
A. W., 405
Rev. C. F. D., 82, 97
H. C. C., 119
W. R., 366
Moule-Evans, D., 392
Moullin, E. B., 91, 101
Moulton, E., 873
Hon. S. F., 317
Mounsey-Wood, R. E., 570
Mount, S. M., 255
Mountain, E. D., 1178, 1179
Mountford, Sir J., xxix, 186
Mountjoy, A. B., 245
W. J., 1113
Mousseau, L. P., 698
Mouton, W. L., 1145
Mowat, A. S., 744, 750
D., 725
G., 597
G. T., 629
J., 649
J. K., 1036
M. C., 751
Mowatt, D. G., 304
Mowbray, Sir G. R., 492
N. A., 1106
R. M., 629
Mowlem, R., 340
Mowry, D. P., 774, 781
Moxley, J. E., 792
Moya, F. J , 748
Moyal, J. E., 400,
Moyer, R. R., 917
Moyers, R. E., 950
Moyle, I. R., 65
Moyls, B. J., 720
Moynahan, E. J., 328
Moynihan, I. W., 714
Moyse-Bartlett, H., 290
Moysey, E. B., 906
Mozammil, M., 1223
Mozley, J. H., 282
Muckart, R. D., 650
Muckle, Rev. J. T., 918
W., 140, 151
Mucklow, G. F., 32
Mudaliar, Sir A. L., xxxi, xxxiii, 1216, 1219, 1348
Sir A. R., xxxi, 1427
A. S., 1350
C. R., 1356
D. S., 1348
M. S., 1354
P. D. S., 1358
Muddalinganna, V., 1362
Mudge, G. M., 951
Muecke, D. C., 982
Muenter, A. H., 263
Muff, D. R., 1114
Muggah, H. F., 746
Mugglestone, D., 1543
Muhajir, A., 1475
Muhammad, K. D., 1465
Muhammad Aslam, M., 1478
Muhiuddin, M., 1466
Muir, A., 391
Mrs. A., 652
A. R., 595
E. G., 332
H., 1091
I. D., 87
J., 155
J. F., 717
K., 189
K. A., 205
M. C., 649
T., 1102
Muirhead, E. G., 1004
W. R. H. F., 622
Muiznieks, J. O., 1027
Mujeebuddin, M., 1387
Mujib, A., 1234
Mujumdar, V. A., 1334
Mukerje, R., 1225
Mukerjee, D. C., 1237
D. P., 1337
G. C , 1306
H. C., 1224
R. K., 1337
S., 1372
S. K., 1226
Mukerji, A., 1422
A. C., 1221
A. N., 1267
D., 1365
D. P., 1234
H. K., 1241
K. P., 1279
L. N., 1336
S N., 1265
U., 1424
Mukewar, V. W., 1377
Mukherjee, A. N., 1297
B., 1275
B. N., 1402
H. M., 1296
N., 1317
P. K., 1305
R. N., 1435
S., D.Phil., 1292
S., M.B., 1377
S., Nag., 1374
S. C., 1440
S. K., Dacca, 1468
S. K., Utkal, 1435
S. R., 1435
V. N., 1435
Mukherji, A., 1309
A. K , 1275
B. B., 1275
G. C., 1258
L., 1337
S. K., 1385
S. M., 1392
Mukherjie, B. N., 1401
Mukhopadhyay, S. N., 1305
Mukhtar, G. A., 1328, 1329
I. A., 1475
Mulavi, A. M., 1476
Mulay, Mrs. V., 1402
Mulcock, A. P., 1115
Mulder, G., 994
Muldoon, M., 421
Muley, P. G., 1375
R. S., 1371
Mulgaonkar, H. P., 1284
Mulhall, H., 1044
Mulholland, H. P., 35
Muljerjee, S., 1322
Mullaney, P. E., 1788
Mullatti, L. C., 1333
Mullen, J. P., 302
Muller, C., 1196
C. F. J., 1183
G. M., 1456
Mrs. T., 1168
W. H., 1135
Z. du T., 1163
Muller, E., 693
G., 313
J. J., 1188, 1190
Mulligan, J. H., 643
W., 630
Mulliken, R. S., 151, 491
Mullineux, N., 519
Mullins, R., 520
S., 761
Mulnier, K , 1553
Mulock, W., 818
Mulrenan, B. W., 544
Multani, R. K., 1304
Mulvany, B. J., 1002
Mulvihill, Rev. D. J., 707
Mumby, F. S., 165
Mumford, G., 1047
J. M., 194
L., 313
P. B., 407
S. C., 69
Mumtazuddin, M. A., 1424
Munby, A. N. L., 101
D. L., 585
L. M., 95
Munday, K. A., 520
Mundle, A. K., 1293
C. W. K., 647
N. K., 1343
Mundy, C. S., 292
Muneeruddin, K., 1382
M., 1386
Munier, F., 826
Munigaviappa, M., 1362
Munimuddin, A., 1484
Munir, J. A., 1237
Muniswami, M. K., 1252
Munje, B. H., 1370
Munn, A. M., 738
J. D., 933
Munn-Rankin, J. M., 94
Munro, A. F., 266
A. R., 1032
C. H., 1025
D., 648
D. C., 638
D. S., M.B., 509

Munro, D. S., M.D., 725
G. H., 1048
H., 588
H. N., 618
J., 1027
J. W., 261
L. A., 871
M., 583
V. J., 1076
Rev. W. F., 840
Munroe, D. C., 793, 794
I., 790
Munrow, A. D., 36
Munshi, C. P., 1267
D. M., M.Com., 1370
D. M., M Sc., 1283
Sir K. M., 1417
K. M., 1240, 1326
K. M., M.Sc., 1369, 1378
M. C., 1445
Munster, A. A., 711
Munuswamy, P. C., 1350
Munz, P., 1111
Muranjan, S. K., 1284
Murby, W. H., 932
Murchison, A J., 749
Mrs. D. J., 145
Murdoch, B. H., 140
D. C., 720
G., 650
J. C., 496
J. D., LL.B., 625
J. D., M.B., 371
J. I., 448, 474
W. R., 590
Mure, G. R. G., 464
Muriel, M. B., 316
Murison, C. A., 605
D. D., 582, 648
Murkute, R. B., 1374
Murnaghan, M., 864
Murphy, A. J., 35
A. L., 749
Rev. Mother C., 751
C. K., 1792, 1794
Mrs. D. S., 798
G. F., 856
G. W., 394
H. B. M., 1515
H. G. A., 1786
J., M.A., 188
J., Ph.D., 1796
J. A., 825
J. C., 886
J. E. P., 1098
Rev. J. S., 708
Rev. L. D., 1350
M., M.A., 1792
Mrs. M., 1788
Marjorie, 1792
Mary, 1074
M. E., 1017
Rev. N. J., 707
N. R., 448, 461
O. E. J., 1035
R. J. F., 786
R. K., 1025
T., 980
Murray, Rev. A., 866
A. E., 747
Murray, A. G., 595
A. H., 1133
A. J., 1051
A. L., 555
A. M., 629
C. A., 494
C. J. B., 340
C. T., 1048
D. B., 1549
D. F., 729
D. R. P., 259
D. W. G., 933
Rev. E. B., 124
E. G. D., 784
F B., 937
F E , 807
Mrs. F. M., 264
G., B Sc., 589
Gilbert, 568
G. K., 883
H. A., 1110
H. R., 792
Jessie, 245
J., M.D., 372
J., M.Sc., 1090
J. A., 928
J. C., 849
J. E., D.A., 637
J. E., Ph.D., 904
J. G., 661
J L., 144
J. R., M.D., 147
J. R., M.Sc., 697
Sir K., 7, 491, 1501, 1502
K. A., 1194
L., 1540
L. H., 907
M., 246
M. I., 1131
N. W., 398
P., 250
P. D. F., 1046
R., 408
R. E., 1046, 1051
R. G., 747
R. G. E., 959
R. W., 38
S. S., 727
T. K., 851
V., 784
W. A., M.A., 503
W. A., M.D., 748, 750
Murrell, M., 605
Murtagh, B. L. S., 38
Murthi, D. S. R., 1388
K. S., 1360
Murthy, B. N., 1388
C. V. S., 1362
K. S., 1435
N. K., 1362
N. V. K., 1381
S. S., 1362
V. G. K., 1386
Murthy Rao, A. N., 1361
Murti, N. N., 1283, 1286
S. N., 1332
T. R. V., 1259
V. S., 1373
Murty, C. S., 1436
K. S. R., 1434
Murty, T. K., 1436
T. S. N., 1387
V. S. R., 1331
Murugamanickam, P., 1349
Musalgaonkar, L. V., 1402
Musavi, M. H., 1309
Musgrave, A. J., 940
W. K. R., 127
Musgrove, A. H., 555
S., 1106
W. M., 813
Mushin, R., 1009
W. W , 555
Muskett, A. E., 661, 667
Muskin, B. S., 1304, 1305
Musson, A. E., 400
Mustafa, A. T. M., 1467
H. G., 1233
M. M., 1559
Mustajabuddin, 1237
Mustard, R. A., 929
Mutalikdesai, S. S , 1333
Mutatkar, V. L., 1374
Mutch, E. N., 86
J. 643
W. S., 601
Muthiah, A., 1350
R. E. S., 1355
V. S., 1348
Muthubrishnan, C. R., 1252
Muthuswami, T. N., 1253
Muthuswami Pillai, M., 1254
Muthuswamy, B., 1245
Muthuveerappan, V. R., 1255
Muttalib, A., 1386
Mutter, G. N., 546
R. P. C., 264
Mutton, A. F. A., 280
Muttucumarana, C. de S., 1455
T. de S., 1453
Muttunayagam, M. A. B. B., 1454
Muxton, E. W., 700
Myatt-Price, E. M., 274
Myers, A. R., 190
C. R., 925
D. M., 1048
G. E., 205, 695
H. P., 721
Sir J. E., 414, 416
J. O., 175
Mrs. M. E., 205
R. H., 1027
W. R., 519
Myerscough, P. R., 306
Myhr, A. N., 905
Myint, H., 441
Mykura, H., 1543
Myleru, C. R., 1253
Myles, H. L. P., 634
Mylks, G. W., 875
Mynhardt, A. M., 1189
Mynors, J. M., 1558
R. A. B., 119, 441, 460
Myrdal, Mme. A., 455
Myrenberg, L. E. T., 1503
Myres, C. J. H., 415
J. N. L., 438, 459
Myrhaug, H., 343

NABAR, G. M., 1279
M. A., 1279
Nabarro, F. R. N., 55, 1196
Nabi, S., 1385
Nachane, A., 1266
Nadagauda, G. V., 1333
Nadal, R. M., 266
Nadaraja, T., 1452
Nadarasar, S., 1452
Nadeau, A., 858
G., 759, 765
H., 767, 768
J., 829
Nadel, S. F. S., 994
Nadler, N. J., 775
Nadvi, S. A. Z., 1322
S. M U., 1469
Naegele, K. D., 716
Naess, H., 139
Nafde, N. P., 1229
R. L., 1375
Nafisuddin, M., 1488
Nag, B. C., 1219
K. C., 1305
M. L., 1470
N. K., 1376
S. C , 1317
S. P., 1305
Nagabhushanam, A. K., 1376
K., 1246
Nagaich, N., 1310
Nagappa, N., 1361
P. H., 1362, 1364
Nagar, A. L., 1338
R. N., 1338
S. K., 1312
Nagaraj, C. N., 1446
M., 1360
Nagaraja, N. S., 1446
Nagarajan, M. A., 1254
Nagarkar, M., 1369
Nagchaudhuri, B. D., 1291
Nagendra, S. P., 1337
Nagim, M., 1476
Nagir, A., 1310
Nagley, L., 40
Naidu, B. K., 1362
I. C., 1389
M. G. C., 1361
M. R. R., 1249
P. M. S., 1389
P R. J., 1361
P. S., 1240
R. J., 1348
S. P., 1249
S. S. R., 1349
V. R., 1363
V. S., 1427
Naik, A. V., 1405
K. G., 1324
K. N., 1279
M. V., M.A., 1372
M. V., M.Sc., 1369
N. B., 1322
N. L., 1324
Y. G., 1322
Naimuddin, S., 1368
Nair, I., 1307
K. A., 1356
K. G., 1375
Nair, K. N. G., 1356
K. S., 1385, 1390
M. G., 1430
M. P. G., 1429
P. D., 1390
T. B., 1350, 1351
V. P. K., 1357
Nairn, N. B., 1026
R. C., 587
Naish, J. M., 65
Naithani, S. P., 1240
S. S., 1283
Najam-ud-Din, 1329
Najmuddin, S. M., 1476
Nakhare, M. G., 1422
Nalden, C., 1108
Naldrett, S. N., 881
Nalin, Mrs. I., 1283
Nallaperumal, U., 1255
Nalson, J. S., 1118
Nalvi, S. T. A., 1494
Nambiar, M. R., 1266
N. T. M., 1352
O. K., 1361, 1364
V. P. N., 1350
Nami, Y. B., 1235
Namier, Sir L. B., 223
Namjoshi, S. Y., 1369
Nanavati, L. M., 1323
Nanavaty, B. M., 1269
Nancollas, G. H., 619
Nand, B., 1228
K., 1260
Nanda, H. R., 1328
K. K., 1303
K. N., 1224
S. C., 1312
Nandan, D., 1229
Nandanpawar, L. S., 1374
Nandapurkar, N. G., 1382
Nanden, R., 1417
Nandi, A. K., 1434
Mrs. R., 1402
S. K., 1310
Nandimath, S C., 1331
Nandris, G., 240
Nanekar, K. R., 1370
S. R., 1375
Nanjundiah, K. S., 1361
Nanson, E. M., 904
Napier, B. L., 631, 633
J. O., 758
J. R., 345, 347
Sir M., 980
Napper, J. H., 136
Naqvi, Mrs. H., 1341
J. H., 1488
N. R., 1238
S. A. N., 1340
S. N., 1229
T. H., 1238
Narain, B., 1417
B., M.S., 1229
D., 1305
I., 1306
J., 1393
J., B.Sc., 1417
R., LL.B., 1338
R., M.A., 1305
Raj, 1397
Narain, S. K., 1337
Narang, K. S., 1392
Narasimha Murthy, N. K., 1362
Narasimha Rao, P. L., 1445
Narasimha Sastri, M., 1246
Narasimhachar, D. L., 1362
Narasimhachari, K., 1350
T. B., 1407
Narasimham, K. V. R., 1246
N. V. A., 1246, 1251
Narasimhamurty, C. C., 1247
G. S. R., 1247
Narasimhan, A. G., 1351
K., 1255
S., 1352
Narasimhiah, C. D., 1361
D. B., 1363
Narasinga Rao, A., 1247
M., 1247
Narasingarao, P. N., 1332, 1334
Narasingo Sathapathi, 1247
Narasinham, D. V., 1237
Narayan, A., 1274
A. L., 1249
B., Agra, 1229
B., Patna, 1392
D., 1341
G., 1360
K., 1274, 1277
K. N., 1360
N., 1446
S., 1308
Narayana, B., xxxi, 1401
Narayana Iyengar, B. N., 1446
B. R., 1363
Narayana Murthy, R. G., 1446
Narayana Rao, D. A. A. S., 1247, 1251
Narayanachari, 1386
Narayanamurti, M., 1351
Narayanan, C. R., 1421
D., 1348
K., 1427, 1429
M. S. T., 1446
P. S., 1447
R. C., 1306
S., 1350
V., 1374
Narayanan Poti, A., 1427
Narayanaswami, S., 1303
Narayanaswami Ayyar, S., 1254
Narayanaswamy, A., 1364
K., 1446
Nardin, P. C., 796
Narendra Singh, M.A., 1411
Narendranath, S., 1254
Nargund, K. S., 1331
Narkhede, D. G., 1372
Narlikar, V. V., 1258, 1259
Narsimhachari, 1386
Narsinham, K. L., 1324
Narsu, B. V. R., 1387
Narula, J. L., 1304

Nash, C. W., 810
D. F. E., 350, 373
E. F., 532
Rev. J. F., 1797
J. K. T. L., 264
R., 321
R. D., 729
W., 720
W. F., 428
Nash-Williams, V. E., 543
Nasir, A. R., 1480
Nasiruddin, 1237
Nasmyth, P. A., 356
Nasrullah, K., 1387
Nasrullah Khan, M., 1237
Nassim, J. R., 353, 370
Natarajan, K., 1252
M., 1254
S., 1255
Nataranjan, M. S., 1305
Natesan, R., 1248
Nath, D. A. D., 1255
D. N., 1338
J., 1393
K., 1342
M. C., 313, 1368, 1378
N., 1303
N. S. N., 1401
R., 1223
R , Ph D., 1259
S. S., 1436
V , Delhi, 1306
V., Panjab, 1393, 1398
Nathanson, D. S., 743
Nathaniel, K., 1351
Nation, P. T., 881, 883
Natrajan, N. S., 1387
S., 1387
Natrass, F. J., 145
Natu, Mrs. M. G., 1373
V. V., 1333
Naude, Rev. B. F., 1171
C. P. T., 1194
H. J., 1167
W. du T., 1136
Naurois, J., 772
Navalkar, B. S., 1325
Navanithakrishna, T. P., 1253
Navgi, M. B., 1229
Naware, H. R., 1333
Nawaz, M. S., 1389
Nayak, K. V., 1283
P. C., 1434
S., 1436
U. L., 1306
Nayar, B. K., 1316
Nayeemuddin, 1386
Naylor, A. H., 659, 666, 667
B., 495
Rev. C. B., 471
E., 580
E. J., 408
G. F. K., 1033
G. R. E., 93, 100
R. F., 1534
Canon R. K., 782
Nayudu, D. V., 1250
T. P. S., 1356
Nazar, A. Q., 1481
Nazir, M., 1488
Neal, A. W., 1105
B. G., 551
B. W., 1009
G. M., 926
L., 959, 961
L. F., 163
P. A., 193
P. B. N., 506, 507
Neale, A. V., 64
C. I., 1100
J. E., 53, 304
J W., 154
Mrs. M. D., 32, 44
R. D., 1101
R. G., 1033
S. M., 412
Neales, T., 318
Neame, E., 474
Neamtan, S. M., 809
Neary, M. E., 851
Neatby, H., 904
L. H., 683
Neave, F. K., 496
Nedum Kallel, Rev. T., 1430
Needham, A. E , 451
C. D., 587
Rev. G., 1036
J., 651
N. J. T. M., 80, 99
Needler, W. E., 917
Neel, B., 935
Neelakantan, S., 1304
Neely, H. J., 941
Neerhut, K. J., 1009
Neeson, S., 1792
Neethling, H. L., 1166
J. H., 1189
Nehru, J., 1439
Neil, E., 340
J. C., 625
W., 428, 430, 593
Neill, D G., 660
F. P., 457
J. W., 720
R. M., 584
Neilson, D. F. A., 359
E., 1182
E. B., 69
H., 794
H. R., 792
J. B., 631
J. H., 638
J. R., 728
N., 716
S. A., 782
Neitz, W. O., 1171
Nel, A., 1187
B. F., 1167, 1171
H. I., 1187
H. J., 1175
J. B., 1135
J. P., 1171
Neligan, G. A., 144
Nelles, A. H., 938
Nelligan, Most Rev. C. L., 707
J. P., 922
Nelson, A., 596
Rev. A., 899
Nelson, A. J., 727
B., 186
Mrs. D. K., 950
E., 691
E. K., 716
G. A., 165
H. I., 922
H M. A., 1169
N., 648
P. F., 640
R. A., 807
S., 848
S. J., 692
T. Y., 1052
W. J. A., 588
W. K., 922
Nemec, A O., 822
Némethy, N., 743
Nenc, M. G , 1224
Neog, M., 1316, 1317
Neogy, P., 1440
Nesbitt, H. G., 194
H. H. J., 736
J. E., 405
J. M., 811
Neser, F. N., 1202
Nesiah, K., 1452
Ness, A R , B.Sc., 308
A. R., B.S.A., 792
H. B., 690
K. A., 1003
O. McG., 793
Nessa, A., 1469
Netarwala, M. P., 1259
Nethercott, S. E., 557
Nettlefold, R. R., 1062
Nettleton, A. F. S., 1026
Neubert, E. W , 193
Neumann, B. H., 400
Mrs. H., 155
Neumark, E., 356
Neuschaffer, W., 518
Neuss, M., 1133
Neustadt, I., 570
Neve, C. R., 77
R. A , 319
Nevill, H. F. C., 1008
P. H. W., 1091
W. E., 1773
Neville, A. M., 1101
Nevin, E. T., 530, 535
R. B., 1092
R. W., 359
S., 332
T. E., 1786
Nevleker, G. V., 1389
New, C. W., 799
New Zealand, Gov.-Gen. of, 1086, 1089, 1130
High Commissioner for, 1086
Newark, F. H., 659, 666, 1501
Newbigging, P. L., 687
Newbigin, N., 172
Newbold, G. T., 638
Newbould, K. M., 169
Newbound, K. B., 693
Newbury, C. R., 1007
Newby, F., 515
H. V., 279

Newby, Rev. M. T., 923, 952
Newcombe, C. R., 810
C. W., 882
Newel, D. G., 664
Newell, A. N., 162
D. J., 145
G. E., 281, 435
J. E., 905
M., 1796
R. L., 411
S. R., 405
W. H., 1515
Newey, H., 505
Newhook, J. C., 1119
Newing, R. A., 539
S. T., 63
Newitt, D. M., 255
E. J., 255
Newland, W. R., 236
Newlyn, W. T., 163
Newman, B. G., 738
C., 375
F. A. B., 518
Rev. J., 1783
K. J , 1468
M. H. A., 400
M. S., 949
P. A., 30
P. C., 1475
P. H., 340, 372
P. P., 166
Mrs. R., 1476
S. T. M., 599, 612
Newnham, A. C. H., 352
Newns, G. H., 370, 376
W. F., 191
Newsham, L. G. S., 789
Newsome, J. P., 425
Newson, D. A., 697
L. J., 427
Newstead, G. H., 1063, 1066
W. F., 1101
Newte, F. R., 579
Newth, D. R., 309
J. A., 402
Newton, B., 1071
B. M., 691
H. R., 1003
J. D., LL B , 190
J. D., Ph.D., 694
Mrs. L., 530
N. C., 1052
R., 408
T. M., 629
W. H., 28
Newton-John, B., 1012
Ng, C. S., 1503
W. H., 1505
Ni Chuaigh, M., 1797
Ni Ghuairim, S., 1773
Ni Moal-Chroin, C., 1796
Niblett, W. R., 163, 176
Nichol, J. F., 749
M., 1009
Nicholas, D. J. D., 71, 76
H. G., 450, 465
J. K. B. M., 452, 458, 459
J. M., 525
M., 486
T. C., 106
Nicholas, W A., 1514
Nicholl, H. F., 662
Nicholls, G. D., 399
G. E , 1074
J. J., 1044
J. V. V., 787
M. F., 352, 353
R. A., 921
R. V. V., 776
R W., 959
W. E., 1064
Nichols, J. E., 533
L. H., 693
R. B., 743, 747
W. E., 1062
W. M , 588
Nicholson, A. J., 142
Very Rev. C M., 841
D., 813
D. C., 332
D. E., 169
D. N., 603, 607
Canon F. J., 952
G A., 727
H. H , 91
H. M., 790
J. A., 1776, 1783, 1788, 1789
J. C., 1198
J. E., 938
J. F., 749
J. H., xxix, 153
N. I., 859
N. L., 737
Rt. Rev. P. J., 889, 890
R. H., 799
R. J., 154
T. F., 932
T. H., 428
W. A. B., 411
W. F., 411
W. M., 1107
Nicol, A., 409
A. D. I., 96
C. S., 350
D. S., 856
D S. H., 1530
H., 632
T., 263, 267, 352
W. A., 62
W. B. de B., 631
W. D., 346
Nicolai, M. F. E., 161
Nicoll, A., 33
Sir J. F., 1511
Nicolls, A. W., 507
Nicolson, Rt. Rev. C. M., 751
N., 630
Mrs. P., 166
Mrs. P. P., 429
Niculescu, B. M., 1524
Niddrie, D. L., 399
Nielsen, J., 1804
S. W., 942
Nieman, E. A., 205
Niemeyer, Sir O., 270
Nienaber, C. J., 1143
G. S., 1143
H., 1153
P. J., 1193
Niesche, F. W., 1052
Nieuwenhuizen, Mrs. D. S., 1158
Nieuwoudt, C. F., 1167
Nigam, B. P., 1310
B. S., 1224
D. S., 1305
H. C., 1343
K. C., 1369
M. N., 1223
M. P., 1343
M. S., 1227
R., 1377
R. C., LL.M., 1340
R. C., M.Sc., 1341
R. C., Ph.D., 1411
S. N., 1311
S. R., 1228
S. S., LL.M., 1339
S. S., Ph.D., 1421
Nigh, Rev. W. F., 707
Nightall, E. W., 429
Nightingale, D., 363
Nikam, N. R. A., 1362
Nikiforuk, G., 929
Nikkumb, K. B., 1332
Niklaus, R., 563
Nikolaiczuk, N., 792
Nikore, R. L., 1421
Nilakanta Sastry, K. A., 1362
Nilamegam Pillai, R., 1253
Nilkantan, P., 1413
Nilsson, N. A , 53
Nimmo, R. R., 1092, 1096
Ninan, T. B , 1429
Nineham, Rev. D. E., 322
Niord, Y. G. R., 531
Nipane, G. P., 1371
Nirody, B. S., 1447
Nirula, R. L., 1369, 1378
Nisbet, A., 599
H. B., 609
J. D., 582
J. W., 644
N. W., 1094
R. G. M., 441, 460
R. H., 287
S., 531
S. D., 619
Nissan, A. H., 176
Nissen, K. I., 371
Niven, G., 631, 634
Nix, M. E., 785
Nixon, A. J., 1108
G. S., 626
K., 1147
M. A., 1112
W. C. W., 362
Niyogi, J. P., 1290, 1291, 1298
Nizam, J., 1386
Nizami, A. H., 1229
K. A., 1235
Nizamuddin, H., 1384
M., 1382, 1390
Njisane, E. G. M., 1145
Njoku, E., 1528
Nketia, J. H., 1525
Noad, K. B., 1050
Noakes, F., 717
Nobbs, D., 600

Noble, A. B., 874
B., 575
B. J., 398
C. E., 699
D. S., 63
Mrs. E., 684
H. W., 626
J. A., 746, 749
M. E., 427
M. J. D., 40
P. S., 263
R. A., 93
R. L., 960
T. A. F., 585
W. J., 684
Nockolds, S. R., 87, 107
Noel, A. R. A., 1177
T. C., 822
Noël, L., 770
M., 863
Nogues, Rev. G , 866
Nokes, G. D., 265
Nolan, F. E. V., 136
Rev. H., 1797
J. A , 784
P. J., 1786
Nolte, D. J., M.Ed., 1186
D. J., M.Sc., 1197
Noltie, H. R., 166
Nonamaker, E. P., 750
Noonan, B., 809
J. A., 235
W. T., 932
Nooruzzaman, A. H. M., 1468
Norbert, le R. P., 834
Norbury, J. F., 194
Norfolk, C., 347
Norman, A. F., 153
C., 1235
D. G., 1146
F., 240, 265
J. R., 1004
K. R., 98
R. M., 66
W. S , 302
Normandin, Rev. R., 857
Noronha, F. J., 1360, 1362
H. D., 1333
Norrington, A. L. P., 468
Norris, A. D., 153
F. W., 35
J. M., 719
J. T., 1514
K. E., xxx, 911
M., 734
Norrish, R. G. W., 81, 99
North, G., 399
M. E., 1773
R. B., 1439, 1443
R. J., 575
Northam, J. R., 83, 97
Northbourne, Lord, 318
Northcote, D. H., 80
Northcott, D. G., 504
K. J., 504
R. J., 917
Northedge, F. S., 272
Northern Ireland, Gov. of, 670
Northey, J. F., 1107
Northfield, D. W. C., 336
Northover, H. F., 822
Northridge, Rev. W. L., 665, 666
Norton, F. J., 96
Norusimhachari, T., 1250
Norwood, Mrs. F. M. H , 918
Nossal, P., 980
Nosworthy, J. M., 531
M. D., 358
Notestein, W., 313
Nourse, G. B., 1132
Nova Scotia, Bishop of, 755
Novak, D., 799
Novikoff, M., 949
Nowab, A., 1466
Nowell, D. G., 400
N. W., 156
Nowell-Smith, P. H., 448, 468
Nowlan, G. C., 684
Nowottny, Mrs. W. M. T., 303
Nuffield, E. W., 921
Nunn, J. P , 395
Nunoo, R. B., 1523
Nur-ul-Hassan, 1478
Nursall, J. R., 694
Nurse, F. R., 1101
P. H., 659
Nurullah, S., 1233
Nutlay, A. G , 745, 748
Nutt, C. W., 32
M. E., 37
Nuttall, Rev. G. F., 322
H., 63
J. M., 402
J. R., 173
Nutten, A. J., 29
Nutting, J., 87
Nuyens, A. J., 863
Nyamati, S. R., 1332
Nyburg, S. C , 574
Nye, J. F., 62
P. H., 1523
Nyenhuis, E. M., 1523
Nyholm, R. S., 301, 1024

O'Blenes, C., 684
O'Brien, B. E., 1772, 1775
B. R. A., 1042
C. J. H., 1019
E., 1772
Rev. F., 1797
G., 1782, 1783, 1786, 1789
G. W., 1785
Mrs. H., 734
H. D., 750
J. L., B.A., 1002
J. L., B.C.L., 783
J. R. P., 439, 452, 466
K. G., 1024
L. J., 881
M., 1119
P. A., 1143
P. N. S., 924
W., 1797
O'Broin, T. P., 1796
O'Brolchain, C., 1797
O'Buachalla, L., 1796
O'Callaghan, Rev. C. H., 1783
D. J., 1792
N. M., 1791
W. P., 1788
Ó Catháin, Rev. S., 1785
O'Cinnéide, R., 1791
O'Colla, P., 1796
O'Connell, B., 756
B. J., 890
C. S., 1792
D. P., 982
M. P., 925
J. E. A., 350
J. J., 708
P. E., 518
R., 991
St. J. G., 1793
O'Connor, A. G., 833
C., 1032
D. J., 191
E. A , 1031
F. D , 875
F J., 875, 1771
H. F. J., 1793
H. G., 1796
J. D., 306
J. M., 1783, 1786, 1789
M. E., 1782
M. J., 875
R. J., B.E., 1027
R. J., M.D., 366
W. J., 166
Ó Culleanain, C., 1792
Ó Cuiv, B., 1786
O'Dea, A. C., 822
Rev. B., 1788
F. J., 1787
O'Dell, A. C., 583
D. L. W., 430
O'Doherty, E., 1787
Rev. E. F., 1786
O'Donnell, Rev. J. L., 903, 907
J. P., 1785
Rev. J. R., 918
Rev. M., 899
M. J., 1797
M. P., 1036
T. A., 1000
O'Donoghue, Rev. D., 1783
J. G., 694
O'Donovan, D. K., 1787
J., 1787
J. M., 1793
W. J., 1793, 1794
O'Driscoll, Mrs. M., 1797
O'Farrell, A. F., 1020
T. T., 1790
O'Flaherty, K. M. J., 1792, 1794
O'Flynn, Rev. D. P., 1783
F. D., 1110
Rev. J., 1783
O'Gorm, Rev. G. D., 921
O'Gorman, F. J. P., 501
O'Grady, B. A., 886
E., 859, 862
O'Hea, A. J., 626

O'Hea-Cussen, V., 1793
O'Kane, Rev. P., 1788
O'Keefe, Rev. L., 890
M. T., 1001
O'Kelly, J. J., 1790
M. J., 1791
W. D., 1787
O'Leary, Rev. de L., 61
Rev. J., 1792
O'Lochlainn, P., 1796
O'Mahony, Rev. J. E., 1792
W. J., 1791
O'Maille, T. S., 1796
O'Malley, A. G., 198
C. C., 1797
M. G., 1797
O'Meara, J. J., 1785
O. T., 1091
R. A. Q., 1771, 1775
O'Neil, J. B., 906
L. Z., 938
W. M., 1045
O'Neill, A. N., 750
F. R., 664
H., 552
J. C., 1002
J. W., 1772
P. G., 291
O'Nians, E. A., 321
O'Nuallain, L., 1796
O'Rahilly, A., 1791
T. F., 1780
O'Reilly, A., 822
J. J., 40
M. J., 1797
Ó Riordáin, S. P., 1785, 1789
O'Rourke, F. J., 1792
O Searcaigh, S., 1783
O'Sharkey, E. M., 159
O'Shaughnessy, P. E., 784
O'Shea, M. J., 1793
O'Sullivan, D., 1773
D. G., 339
G. F., 1787
J. G., 630
J. K., 397
M., 1792
Mrs. M. J. D., 1796
M. M., 1036
R., 305
O'Toole, E., 1773
Rev. W. B., 918
Ó Tuama, S., 1792
Oakden, J. C., 391
J. P., 645
Oakeshott, M. J., 99, 272
W. F., 68, 462
Oakley, C. A., 623
C. L., 169
H. R., 302, 313
W. G., 332
W. J., 1101
Oastler, E. G., 628
Oates, E. E. D. M., 108
J. C. T., 96
Oatley, C. W., 91, 107
Obaidullah, M., 1469
Obeck, V. F., 790, 791
Oberg, S. M., 715
Oberholster, J. J., 1152
Oberholzer, C. K., 1164, 1167
P. C. J., 1166
Oberlander, H. P., 714
Obi, C., 1529
Obolensky, Prince D., 450, 460
Obroi, M. L., 1219
Occleshaw, V. J., 187
Ochalski, J. C., 942
Ockleston, A. J., 1198
Odber, A. J., 129
Oddoye, J. G., 1526
Odell, A. L., 1106
B. F., 1111
N. E., 1090
Odgers, F. J., 92, 99, 435
Odynsky, W., 699
Oehlers, F. A. C., 1513
Oelbaum, M. H., 407
Oertley, G., 1167
Oeser, O. A., 1005
Officer, V. C., 1004
Offler, Mrs. B. E., 128
H. S., 128
Offor, R., 1502
Offord, A C., 250
E. C , 287
Ofosu-Appiah, L. H., 1524
Ofstad, D , 183
Ogale, V. M., 1280
Ogawa, Prof., 422
Ogg, D , 464
Sir W. G., 390
Ogier, J., 872
Ogilvie, Lady, 184, 474, 1140, 1160
A. G., M.A., 1182
A. G., M.D., 145
A. J., 45
Sir C. M. G., 646
F. K., 1046
J. P., 796
R. F., 603, 604
Ogra, M. K., 1329
Ogston, A. G., 439, 458
Ogunsheye, A., 1530
Ogwuazor, F. J., 1530
Ohri, B. B., 1226
Ojha, D., 1311
K. N., 1340
R. G., 1222
Oke, B. Y., 1283
J. B., 917
Okoniya, C., 1530
Okulitch, V. J., 719
Oldfield, J , 491
J. H., 1115
M. W. C., 173
R. C., 495
Oldham, J. B., 197
J. N., 288
W., 982
Olding, A. B., 941
Oldroyd, J. G., 551
Oleesky, S., 407, 515
Olen, C. L., 1186
Oler, C., 746
N., 778
Oleson, T. J., 809
Olga, Sr. M., 920
Oliphant, M. L. E., 992, 993
Olivant, J. M., 193
Oliveiro, C. J., 1513, 1515
Oliver, A. L., 544
Mrs. A. M., 398
A. R., 1063
H. C., 391
H. J., 1043, 1053
H. O., 1196
I. T., 508
J., 551
J. N., 32
R. A., 293
R. A. C., 405, 418
W. F., 791
W. T., 941
Olivier, D. L., 1131
N. J. J., 1185
S. P., 1131
W. H., 501
Ollett, F. A., 70, 520
Olliff, D. E., 77
Ollis, W. D., 58
Olliver, J. M., 941
Ollivère, J. D. F., 1513, 1793
Ollivier, M., 858, 861, 864
Olphert, W. B., 1001
Olpin, A. R., 1098
Olsen, F. J., 1032
O. A., 792
Olssen, E. A., 1090
Olszewski, J., 786
Olver, N. H., 1011
Omar, A. T., 1479
S., 1235
Omer, M. B., 1382
Onabamiro, S. D., 1529
Onians, R. B., 245
Onions, C. T., 463
T. G., 142
Mrs. W. E., 145
W. J., 176
Ontario, Lt.-Gov. of, 957
Oosterhagen, P. H., 1168
Oosterhof, F. M. P., 1164
Oosthuizen, M. J., 1146
S. F., 1169
Opechowski, W., 722
Opie, R. C., 1052
Oppel, D. H., 75
Oppenheim, A., 1512, 1516
Opperman, D. J., 1133
Orainvi, S. A. A., 1402
Oram, S., 332
Orbell, E., 1309
Orchard, E. R., 1145
R. H. G., 691
Orchiston, H. D., 1115
Ord, B., 87, 101
M., 439, 472
Ordman, B., 1200
D., 1203
Organ, S. L., 821
Organe, G. S. W., 366
Orgel, L. E., 464
V., 1773
Orkin, P. A., 584
Orkney, J. C., 638
Orme, F., 504, 506
Ormerod, F. C., 372, 379
J. N., 55

Ormerod, M. J., 813
S., 1017
Ormrod, F., 493
Ormsby, M. A., 719
Orobko, W., 690
Orr, Mrs. E., 1111
G. S., 1112
H., 705
H. L., 940
J., D.Litt., 598
J., Ph.D., 612, 625
J. A., 626
J. H., 874
J. W., 42
M. D., 935
Rev. O. R., 952
R. K., 87, 105
Mrs. S. C., 623
S. S., 1063
W. B., 153
Orr-Ewing, H. J., 65
Orrey, L. G., 392
Ortcheson, Justice J., 483
Ortlepp, R. J., 1170
Orton, A. A., 1091
F. J., 319
G., 128
H., 163, 183
J. H., 205
R., 146
Orvig, S., 777
Osbeldiston, K., 425
Osborn, G. R., 509
T. G. B., 491
W. T., 188, 192
Osborne, A. D., 68
D. V., 647
E. F., 764
G. D., 1044
G. V., 196, 198
J., 30
M., 914
R. F., 722
V. E., 1046
Oschinsky, D , 190
Osgerby, C., 506
Osler, T. R., 729
Osman, A. el S., 1556
Mrs. E., 208
M., 1233
Osmani, M. A., 1381
Osmania, Nizam of, 1381
Osmanullah, 1479
Osmaston, F. C., 443
Osrin, L., 1171
Osselton, Mrs. E. W., 144
J. W., 146
N. E., 518
Ossowski, L. L. J., 1147
Ostiguy, Rev. R., 865
Ostry, B., 34
Oswald, F., 426
K., 936
N. C., 349
Othams, H. R., 987
Othen, C. W., 544
Ottaway, A. K. C., 163
C. W., 68
J. H., 300
Ottley, A. M., 234
Otway-Ruthven, A. J., 1773
Oudiette, J., 772
Ouellet, C , 759
L., 759
R., 760
Ouellette, G. J., 759
L., 858
Oughton, J. G., 940
Ouimet, C., 830
Oulton, Rev. J. E. L., 1776
Ouseph, C. C., 1350
Ouston, P. A., 645
Outerbridge, Sir L., 821
Rev. L. M., 712
Ovenden, M. W., 618
Ovens, E. A., 510
G H. C., 1544, 1545
Mrs. K. R., 510
Over, G. A., 163
Overend, W. G., 29
Overton, K. H., 249
M. E., 117
Overy, B. B., 280
Ovey, C. D., 84
Owen, A., 550
A. D., 1027
A. R. G., 84
B. G., 402
B. S., 138
B T. W., 1104
C. F., 925
D. D. R., 645
Rev. D. R. G., 924, 951
E A., 542
E. M., 552
F., 705
F. S., 69
G., 456
G., B.Sc., 624
G. B., 540
G. E. L., 134, 448
G. R., 784
H , 492
Rev. H. P., 526, 538
J., 464
J. A., 603
J. B. B., 194, 201, 205
J. W., 1535
L. N., 193, 255
Mrs. M. H., 1147
M. W. L., 355
P. R., 398
R. D., 556
R. W., 167
T., 931
T. H., 538
T. M., 1076
T. R., 551
T. W., 416
W. J. B., 538
Owens, P. J., 570
Owers, N., 1376
Owst, G. R., 83, 99, 113
Oxford, D. C., 521
Oxnam, D. W., 1069
Oyelese, J. O., 1529
Oyenuga, V. A., 1529
Oza, J. D., 1322
K. D., 1269
Ozair, M., 1235, 1236
Ozburn, R. H., 940
Ozga, S. S., 271
Ozinsky, J., 1135
Ozorio, H. P. L., 1506

Paap, A. H. R. E., 1131
Pace, Canon E. G., 126, 134
L. M., 1519
Pacey, W. C. D., 848
Pacht, O. E., 439, 466
Pack, D. C., 422
D. G., 639
Packard, A., 1108
W. P., 1100
Packer, A. D., 980
J., B.A., 565
J., M.Sc., 1099
Rev. J. W., 184
Packham, A. L., 339, 342
Pade, J. S., 1266
Padhi, N., 1434
Padhya, M. D., 1389
Padhye, D. B., 1373
M. R., 1280
P. D., 1374
Padley, R., 39
Padma, Miss, 1253
Padmanabhan, K. S., 1253
S., 1422
Padmavati, S., 1309
Padmos, A. C., 706
Padovan, R., 1111
Paechter, G. F., 447
Paff, W. P., 1196
Paffard, M. K., 575
Pafford, J. H. P., 207, 305
Pagano, Rev S., 865
Page, A. B. P., 258
B. S., 160
D. L., 81, 107
D. R., 1332
E., D.Ph., 767
E., D.Sc., 768
Rt. Hon. Sir E., 1019
E. S., 129
Rev. F. H., 745, 755
F. J., 1111
G. R., 590
H., 256
I. V., 708
M , 319
O. T., 939
R. I., 426
R. K., 1370
Paget, E., 444, 460
G. E., 409
Pagnucco, A., 1195
Pahade, J. S., 1373
Pahwa, S., 1308
Pai, A. G., 1445
M. L., 1268
Paige, B., 725
Pain, A. B., 173
Painchaud, C. A., 768
P., 768
Paine, C. G., 507
H. N., 1017
R. J., 729
Painter, A. B., 1512
E. W., 981

Pairpoint, M. H., 565
Paish, F. W., 270
Pakajamony, K., 1304
Pakelnins, A., 782
Pakenham, Rt. Hon. Lord, 450, 460
Pakenham-Walsh, A. A., 1772
Pakistan, Gov.-Gen. of, 1465, 1475, 1478
Pakrasi, K. B., 1316
Pal, A. B., 1480
B. N., 1305
D. K., 1317
I. D., 1479
N. C., 1417
R., 1339
S. C , 1295
S. K., 1293
S. R., M.A., 1466
S. R., 1234
Mrs. U., 1310
Palacios, L. E., 764
Palani, U., 1254
Palaniappan, N. P., 1255
Paldhikar, G. C., 1324
Palekar, G P , 1283
Paley, R. G., 170
Palfrey, G. D., 851
Palgrave, J., 500
Palin, A., 766
Paling, V. R., 625
Palit, P. C , 1436
Pallie, W., 1454
Pallinatham, Rev., 1350
Palmer, A. R., 1000
D. G., 599
F. R., 293
G. B., 1094
H. P., 402
J., B.A., 164
J., M.Sc., 90
J. C., 940
J. H., B.Sc., 1542
J. H., M.D., 785
K. J., 303
K. N. V., 587
L. J., 875
L. R., 448, 470
M., 1147
N. D., 1380
P. J., 32
R. A., 725
R. C., 1179
V. C., 1005
W. B., 175
W. G., 80, 104, 156
Palsson, H., 598
Palvia, C. M., 1225
Pampapathi Rao, K., 1247
Pan, C. W., 1506
M., 1294
Panabokke, R. G., 1455
Panandikar, S., 1284
Panar, D., 695
Panchal, M. R., 1269
Panchalingam, S., 1455
Panchapagesa Sastriar, P., 1254
Panchapagesan, N., 1317
Pancholi, B. N., 1264
Panda, M., 1436
S. C., 1436
U. C., 1434
Pande, A. L., 1423
B. P., 1227
C. S., 1337
K. N., 1229
M. S., 1376
P. C., 1372
P. G., 1227, 1230
R. B., 1259
R. C , 1343
R. K., 1387
R. N., 1382
R. P., 1372
S D., 1412
S. K., 1336
S. S., 1375
U. C., 1223
V. N., 1223
Pandey, A., 1339
B. N., 1305
C. S., 1223
D D , 1337
K C., 1339
M S., 1258
R. N., 1421, 1422
S. K., 1341
V. P., 1421
Pandeya, A. N., 1310
D C., 1422
S. N., 1227
Pandharipande, S L., 1373, 1378
Pandit, B. N., 1328
B. R., 1332
B. S., 1373
G. S., 1371
G. V., 1406
M. K., 1389
M. S., 1323
P. B , 1374
P. P., 1226
R. D., 1268
R. R., 1280
S., 1267
S. B., 1370
S. H., 1268
S. L., 1328, 1329
V. N., 1372
Pandle, R. N., 1223
Pandse, G. P., 1225
Pandurangacharya, 1387
Pandurangan, S. V., 1252
Pandya, A. C., 1323
G. B., 1265
G. T., 1322
K. R., 1368
M. S., 1260
N. S., 1266
R. N., 1324
S. B., 1280
S. C., 1323
T. P., 1344
Paneth, F. A., 134
Pang, L., 1505
T. C., 1505
Pangu, D. S., 1332
Panigrahi, D. R., 1434
Justice L., 1437
Panikar, K. G., 1429
Panikkar, P. R. P , 1427
Panisset, M., 826
Panjathan, T. F., 1388
Pankajam, S., 1351
Pannall, L., 1168
Pannikar, P. K., 1353
Pant, A. D., 1223
D. D., 1228
H. G., 1229
K. N., 1228
N. C., 1312
N. K., 1305
Panter-Brick, S. K., 272
Pantin, C. F. A , 89, 107
H., 620
W. A., 438, 445
Panton, J. S., 589
L. A. C., 942
Pantony, D. A., 258
Pantridge, J. F., 663
Papalkar, P. B., 1376
Papastavrou, S. J., 81
Papayannopoulou, K., 30
Papé, Mme N., 1187
Papendorf, M. C., 1155
Papillon, Rev. A., 826, 833
Papineau-Couture, J., 827
Paplauskas-Ramunas, A., 859, 861, 866
Pappert, Rev. E. C., 707
Pappo, L. M., 1111
Papst, E. E., 575
Paquet, A., 766
B., 768
J. M., 762
Paquette, P., 832
Paquin, Rev. J., 830
Paradhkar, N. B., 1225
Paradkar, M. K , 1369
Parajpe, R. V., 1282
Paramasivayya, G. S , 1331, 1332, 1334
Paranipe, H. K., 1282
Paranjape, M. V., 1369
S. R., 1405
Paranjpe, A. S., 1225
D. R., 1369
M. M., 1282
P. M., 1423
S. C. S., 1224
Paranjpey, Y. R., 1375
Paranjyoti, V., 1337
Parbrook, H. D., 191
Pardiker, P., 1386
Pardoe, J. A., 194
Pare, Rev. G. W., 707
Paré, A., 832
C., 760
S., 765, 828
Pareira, F. J. F., 1294
Parek, T. P., 1265
Parekh, C. K., 1376
M. G., 1324
M. M., 1324
Parent, Mgr. A. M., xxix, 758, 764
S. G., 766
Parenteau, A., 832
R., 828

Pares, R., 446
Parfitt, G. A., 370
Pargaonker, V. N., 1385
Pargiter, E. D. P., 284
Parihar, S. L., 1328
Parija, P., 1434
Parikh, D. P., 1283
G. D., 1283
H. J., 1269
J. T., 1325
N. K., 1264
R. C., 1322, 1325
S. C., 1265
Parimoo, Mrs. K., 1329
Parish, C., 93
E. L., 264
Park, Dr., 151
C. L., 1051
E. W., 922
H. E., 256
J. B., 1034
J. N., 604
L. M., 41
S. D. S., 627
W. W., 650
Parkash, C., 1308
G., 1306
Parke, H. W., 1770, 1771, 1772, 1773
Parke-Taylor, Mrs. M., 755
Parker, A. A., 266, 593
A. M., 220
A. O., 557
A. R., 1007
B. N., 235
C. F., B.Sc., 507
C. F., LL.B., 34
E. C., 1025
G., 634
G. F. S., 1098
G. J., 1026
H. H. S., 1047
H. R., 188
J., 519
J., B.Sc., 413
J., F.R.C.O., 285
J., M.A., 520
J. H., 922
J. M., 1196
K. D., 161
K. T., 465, 485
M. J., 938
M. T., 406
N., 1045
N. H., 798, 801
R., 539
R. A., 93, 560
R. A. C., 400
R. B., 40
R. C., 934
R. E., 517
R. E., Belf., 658
R. G., 999
R. S., 994, 1113
Rev. T. M., 455, 466, 468
W. E., 920
W. H., 800
Parkes, A. E. M., 938
A. S., 393
E. W., 91, 100
Parkes, G. D., 440, 462
Parkin, M., 507
Parkins, R. N., 140
Parkinson, B. B., 188
Sir C., 384
C. N., 1512
D., B.Sc., 284
D., M.D., 814
F., 305
G. H. R., 495
G. S., 386
G. V., 721
J. C., 1147
J. L., 301
J. R., 624
Mrs. J. T., 495
R. N., 565
Parks, M. G., 744
Parkyn, D. G., 1144
Parlee, S. S, 696
Parmar, S. S., 1337
Parmée, D., 84, 104
Parmenter, M. D., 937
Parmoor, Lord, 467
Parnaby, O. W., 1107
Parnaik, D. T., 1284
Parnall, J. E. A., 713, 721
Parnandiwar, M. D., 1369
Parnell, J. L., 725
J. L., S.A., 1199
T. M., 1032
Parnis, A. E. L., 78
Parr, G., 303
J. C., 1044
J. G., 205, 721
Parrinder, Rev. G., 1529
Parrington, F. R., 89, 115
Parris, S. C., 544
Parrish, J. R., 1150, 1177
Parrot, P., 767
Parrott, H. I., 532, 534
W. V., 69
Parry, C., 92, 98
D. A., 90, 101
Sir D. H., 226, 272, 530, 1501
D. W., 539
E. O., 547
G., 191
G. D., 246
G. S., 161
I. F., 538
J. H., 1542
J. V., 425
L. G., 1025
M., 494
O. A., 162
R. H., 66
R. J., 556
T. E., 557
V. J., 293
Parry-Williams, T. H., 525
Pars, L. A., 86, 100, 159
Parshad, G., 1393
P., 1306
Parsonage, M. J., 170
Parsons, C. G., 40, 41
C. R., 920
D. S., 439, 464
F. M., 173
Parsons, F. V., 621
F. W., 293
H. S., 986, 991
H. W., 155
R., 58, 644
R. S., 146
R. W., 1017
R. W., D.Phil., 1505
R. W., LL.B., 1070
R. W., M.E., 987
T., 949
Parsonson, G. S., 1090
Parthasanathy, S. V., 1253
Parthasarathi, G., M.A., 1255
Mrs. G., 1351
G., B.Sc., 1436
Parthasarathy, N., 1355
S., 1351
Parton, H. N., 1089
J. E., 425
Partridge, A. C., 1163, 1195
F. G., 941
J B., 68
Mrs. M. A., 428
M. W., 424
P. H., 994
Parulkar, K. K., 1371
Parvathamma, H. M., 1361
Pascal, R., 34, 54
Pascoe, D., 138
J. E., 307
K. J., 91
R. F., 981
Pasha, H., 1387
Pask, E. A., 143, 144
V., 738
Pasley, J. M. S., 444, 459
Pasmore, V., 139
Pasquet, A. F., 784
Passé, H. A., 1452
Passey, R. D., 183
Passmore, J. A., 994, 1092
J. H., 937
R., 600
Pasternack, D. S., 699
Patai, S., 301
Patanayak, P. C., 1436
Patankar, V. S., 1284
Patch, R. A., 784
Patching, T., 695
Pate, C. W., 1453
Patel, A. J., 1266
A. M., 1467
B. A., 1321
B. M., 1321
B. R., 1286
C. C., 1445
C. M., 1269
C. M., M.Sc., 1322
C. N., 1322
C. S., LL.B., 1265
C. S., M.A., 1324
C. S., Ph.D., 1264
D. M., 1266
H. R., 1264
Mrs. I. T., 1268
J. C., 1280
J. L., 1264
J. R., 1282
K. H., 1269

Patel, M. A., 1268
Maganbhai D., 1323, 1325
Motibhai D., 1325
M. D., M.B., 1323
M. D., M.S., 1268
M. N., 1266
M. S., M.A., 1265
M. S., M.S., 1268
M. S., M.Sc., 1267
M. V., 1267
N. B., 1269
P. L., 1323
R., 1388
R. C., 1265
R. J., 1269
R. M., 1324
R. P., 1322
T. D., 1322
T. V., 1268
V. G., 1268
Pateman, G. H., 117
J. A., 503
Patenaude, C., 828, 829
Paterson, C. A., 1559
C. H., 456
D. H., 726
D. S., 637
E. R., 913
G. C., 922
H., 1285
J. C., 960
J. E., 629
J. H., 84, 573
J. J., 810
J. K., 601
J. L., 640
J. R., 607
J. R. K., 410
J. Y. F., 193
M., 1203
M. S., 993
M. W., 1187
N., 1134
O. D., 1032
T. T., 624
W. N., 798
Patey, D. H., 340
Pathak, B., 1421
B. L., 1422, 1423
D. N., 1322
G. N., 1227
J. D., 1268
K. K., 1422
K. S., 1224
M. A., 1368
M. P., 1371
R. V., 1322
V. M., 1377
Y. M., 1373
Pathki, K. R., 1388
Pathmanathan, R., 1452
Pathy, C. S. K., 291
Pati, K. C., 1436
Patil, H. B., 1308
H. S., 1305
L. T., 1324
N. P., 1332
P. A., 1370
R. F., 1332
Patil, R. K., M.A., 1325
R. K., M.Com., 1370
S. T., 1368
T. K., 1332
Patkar, P. M., 1272
Patmore, J. A., 189
Patnaik, H. K., 1436
K. R., 1317
R. C., 1434
T. M., 1434
Paton, A , 1142
A. D., 617
C. N., 1049
D. A., 494
D. M., 1062
G. C. H , 621
G. W., xxx, 483, 998, 1017
J., 600
R., 905
Patrick, A., 650
A. W., 798, 799
L. B., 509
M., 688, 692
R. S., 628
S. J., 1544
V., 43
W., 629
Patry, A., 764, 770
L., 768
Rev. M., 865
Pattanaik, K. B., 1435
Pattanshetti, C. C., 1333
Pattee, C. J., 786
R., 764, 772
Patten, T. D., 598
Patterson, A., 840
A. L., 313
A. T., 519
C., 598
C. F., 906
D., 403
D., N.Z., 1111
Mrs. E. J., 563
E. L., 394
E. M., 646
F. P., 728
G. C., 922
G. N., 927
Mrs. H. T., 671
J., 324
J. D., 318
M., 1201
R. A., 778
R. M., 325
W. G., 147
W. H., 406
Hon. W. J., 902
W. S., 138
Pattillo, M., 907
Pattison, B., 234
F. L. M., 958
Pattnayak, D. P., 1440
Patton, D. R., 781
J., 661
W. J., 808
Patwardhan, B. D., 1282
G. K., 1373
Mrs. K., 1413
P. J., 1370
Patwari, R. R., 1382
V. N., 1384
Paul, B. C., 1340
D., 1306
D. A. L., 882
G. A., 448, 468
H., 43
J., 618
J. P., 638
J. W., M.Ed., 903
J. W., M.Sc., 1225
L. C., 906
M., 1456
Mrs. M. E., 450, 474
O., 1435
R. G., 67
R. H., 1454
S., M.A., 1310
Lt.-Col. S., 1354, 1358
W., 932
Pauline of Mary, Sr., 707
Paulsen, E. P., 1158
Paulus, T. S., 1249
Pausacker, K. H., 1000
Pauson, P. L., 502
Pautard, F. G. E., 161
Pauw, S., 1188
Pavamani, V. G. M., 1354
Pavate, D. C., 1331
V. C., 1334
Paver, H., 608
Pavilanis, V., 826
Paviotti, O., 1297
Paviour-Smith, K., 1092
Pavlasek, T. J. F., 783
Pawar, R. K., 1370
Pawley, G. C., 415
Pawloff, O., 1026
Pawsey, D. C., 981
Pawson, H. C., 142
Paxton, H. W., 55
K. D., 598
R. G., 284
Payeur, L. R., 767, 769
Payment, J., 764
Payne, D., 168
D. J., 305
D. S., 619
E. R., 32
W. W., 372
Paynter, K. J., 929
Payzant, G., 840
Pe, H., 291
Peabody, J. A., 747
Peace, K. M., 109
Peach, L. G., 1102
P. A., 921
Peacock, A. D., 648
A. T., 272, 435
D. B., 67
D. H., 502
E. E., 1030
F. C., 1523
J. H., 67
J. N., 404
J. R., 353
R., 399, 418, 422
R. D., 137, 255
Peacocke, A. R., 29

Peake, E., 840
Peaker, C., 935
F. W., 29
Peal, W. J., 1534
Pear, R. H., 272
Pearce, A. D., 1003
G., 986
G. W., 643
I. F., 425
J., 493
J. D. W., 355
P. J., 630
R. H., 961
R. P., 647
Pearcy, I. H., 518
Pearn, J. O., 1035
Pears, D. F., 448, 460
Pearsall, W. H., 301
Pearse, A., 435, 1544
A. G E., 375
R. W. B., 258
V. T., 1094
Pearson, A. M., 940, 942
A. T., 1069
B. W., 45
C. H., 175
D. M , 1355
E. S , 308, 310
F. Y., 555
G. M., 140
H. J., 422
J., 1749
J. D., 294
J. E. G., 65
J. F., 397
J. K. L., 662
Hon. L. B., 954
Rev. L. R., 131
M. C , 424
N., 32, 36
R. S. B., 331
S. L., 194
W. H., 1106
Y., 730
Peart, D. R., 1044
Peaston, Rev. M., 1102
Peat, S., 537, 541
Peattie, K. R., 425
Pechey, B. M., 1143
Peck, A. L., 81, 97
M., 828
W. J., 391
Peddie, G. A., 1112
J. R., 10
Peden, A. S. C., 604
Pedersen, J., 275
Pedley, R., 568
Pedoe, D., 317, 1557
Peebles, A., 717
Peel, B. B., 700
E. A., 31, 44, 54
Mrs. E. D., 404
J. H., 332
R. F. E. W., 164, 573
Peeling, E. R. A., 568
Peeps, J. C., 714
Peerless, S. J., 257
Peers, A. L., 696
Sir C., 184
E. A., 205
Peers, R., 436
Peets, D. L., 911
Pegis, A. C., 924
Peierls, R. E., 35
Peikoff, S. S., 814
Peirce, C. B., 789
Peiris, M. V. P., 1456
P. R., 1453
Pelan, M. M., 659
Pelczynski, Z. A., 468
Pelham, R. A., 518
Pell-Walpole, W. T., 35
Pelland, L., 766
Pellerin, Rev. A., 894, 895
R., 831
Pelletier, A., 768
E., 768
H., 760
J. E., 768
J. R., 758
R., 829
R. L., 792
Pellew, H E., 985
Pelling, H. M., 446, 467
Pellissier, G. M., 1175
Pells, E. G., 1131, 1137, 1139
Mrs. E. G , 1139
Pelluet, D , 743
Pelton, W. L., 941
Peltz, P., 1202
Pelzer, A. N., 1164, 1167
Pemberton, H. S., 195
J., 509, 514
R E. K., 958
Pender, J., 1792
J. T., 639
Pendergrast, J. G., 1108
Pendeux, Mme., 33
Pendse, R. N., 1374
S. D., 1373, 1378
Penelhum, T. M., 693
Penfield, W. G., 786
Penfold, B R., 1099
Mrs. D. M. E., 234
W. J., 1091
Penhale, H. E. M., 688, 696
Penketh, C. E., 1119
Penman, G. G., 359, 371
Penn, J., 79
Pennell, V. C., 102
Penner, D. W., 813
Penney, Mrs. M., 722
Penniman, T. K., 443, 485
Pennington, A., 128
D. H., 400
R., 774, 784
W. B., 316
Pennock, J. M., 801
Penny, L. F., 154
R. E. C., 994
Penrose, L. S., 303
Penson, Dame L. M., 231, 245, 248, 321, 1501, 1502, 1522, 1559
Penston, N. L., 244
Pentland, B., 721
H. C., 808
Pentony, P., 1077
Pentz, D. B., 1305, 1311
D. G., 745, 746
Pentz, M. J., 258
Penverne, Mrs. J. J., 826
Penzias, W., 1556
Peock, A., 199
Pepin, J. R., 830
Pépin, J. L., 861, 865
Pepper, D. C., 1771, 1772
F. J., 38
J. B., 929
J. M., 903
K. W., 257
W. F., 940
Peppin, A. J., 941
Percheson, P. B., 729
Percival, A. L., 91, 100
E., 1101
Mrs. E. E., 596
E. S., 787
G. H., 603, 607
M. S., 543
R. C., 336
Percy, C. F., 1050
Lord R. C., 142
Percy-Dove, J., 1036
Pereira, A. F., 1321
E., 1515
E. O. E., 1454, 1457
Peren, G. S., 1118
Perera, G. K., 1456
L. S., 1452
Pérez, J. B., 624
Perfect, H., 551
Perham, M. F., 450, 474, 1501, 1559
Peristiany, J. G., 439
Perk, D., 1201
G. M., 1146
Perkett, W. O., 715
Perkin, H. J., 397, 400
K., 669
Perkins, D. H., 62
E. S., 371
F. A., 1031, 1036
F. T., 406
Rev. F. W. B., 1092, 1095
J. B. W., 1522
J. O. N., 994
W. H., 1063
Perlin, I. A., 748
Perman, R. C. D., 444, 471
Perold, I. S., 1188
R. P., 1188
Péron, A. P., 793
Perras, Rev. G., 824, 835
Perreault, C., 829
J., 829
Perrett, G. B., 105
T. S., 729
Perrin, M. B., 814
R. M. S., 90
Perron, L., 831
Rev. L., 861, 862
Y., 825
Perrott, D. A., 456
I. B., 165
J. W., 143, 144
P. E., 575
Perry, A., 1093
A. C., 336

Perry, C. B., 64
Mrs. C. B., 708
F. H., 941
J. W., M.A., 1142
J. W., M.B., 1010
K. M., 234
K. M. A., 336
M. J., 515
R. I., 203
R. L., 265
S H. H., 526
S. V., 80
W. F., 813
W. H., 725
Pershad, D., 1386
R., Osmania, 1386
Ram, 1394
S., 1386
Person, C. O., 694
Pert, R. E., 1028
Perti, O. N., 1228
Perutz, M. F., 88
Peshkar, K. V., 1373
Peskett, J. M., 413
Peskin, M., 1201
Petch, G A., 138
H. E., 800
N. J., 168, 174
Peter, J. D., 808
Peterkin, G A. G., 607
Peters, A. T., 174
E. L., 403
J. V., 983, 986
L , 176
Sir R. A., 313
R. S., 251
W., 1487
Petersen, N A. M., 1136
Peterson, E. W., 864
H., 799
J. M., 546
R. F., 811
V. R., 1048
Pethe, J. G., 1283
Pethica, B. A., 55, 82
Petit, G., 770
Petitclerc, J. L., 769
Petolas, J. P., 913
Petrie, J. G., 789
P. A., 937
Petros, D. S., 912
Pett, D. W., 1130
Pettet, E. C., 391
Pettigrew, A., 769
G. W., 648
Pettipierre, H. W., 938, 941
Pettit, G. R., 96
J. H., 940
P. H., 265
Peverley, A., 790
Pevsner, N. B. L., 79, 105, 198, 250, 540
Peyton, S. A., 501
Pflaum, K. B., 1108
Phadke, R. B., 1405
R. V., 1445, 1447
Mrs. S. J., 1324
S. W., 1267
Phadnis, K. D., 1332
Phansalkar, J. R., 1374
Pharate, S. S., 1331
Phatak, L. V., 1225
N. R., 1283
Mrs. P. T., 1265
S. R., 1388
V. B., 1369
V. G , 1264
Phear, H. W., 91, 99
Pheasant, J. H., 235
Phelan, E. J., 821
Rev. G. B., 924
Phelps, A. L., 718
Phemister, T. C , 583
Phibbs, E., 692
Philbert, Rev. Bro., 414
Philcox, S., 1035
Philip, A. U., 141
Rev. F., 609
J. A., 918, 952
J. F., 588
R., 963
S., 1355
Mrs. S., 1355
T., 1195
Philipp, F. A., 1001
Philips, C. H., 293
P. J., 175
Philipson, G. N., 142
W. R., 1099, 1103
Phillips, A., M A , 272
Aley, 1386
A W. H., 271
C. E., 937
C. G., 449, 468
C. K., 96
C S. G , 440, 464
D. J., 163, 177
D. W., 1027, 1029
E., B.Sc., 258
E., LL.B , 982
E. D., 658
E. G., D.Phil., 447, 470, 471
E. G., M.Sc., 539
E. M., 531
F. C., 60, 76, 990, 1016, 1060, 1074
Rev G., 414
G. O., 544
I. W., 622, 624
J. B , 782
J. E., 608
J. F. V., 1523
J. H., B.Sc., 428
J. Hood, 207
J N., 992
J. R. E., 532
Ll., 533
Mrs. M. A., 737
N. C., 1100
O. H., 34, 46
P., 66
P. D., 1003
R., B.Sc., 128
R., M.Sc., 533
R. A. J., 738
R. D., 937
R. E., 695
R. J., 722
Phillips, R. O., 1025
W., 556
W. E., D.Sc., 1146
W. E., LL.D., 916
W. G., 706
W. J., 187
W. P., 557
Phillipson, J., 130
Sir S., 1528
Philomena, Sr., 1353
Philp, B. B., 474
Philpott, C. E., 143
M. G., 515
N. W., 787
Philps, A. S., 350, 371, 1098
Phipps, W. T., 436
Piaget, J., 205
Pianta, N. E., 1071
Picard, J. P., 758
M., 53
S., 759
Piché, L , 825
P., 859
Picher, Rev. V., 894, 895
Pichette, H., 768, 772
Pichot, Dr , 151
Pick, I. B., 71
J. J., 35
R., M.D., 147
R., Ph.D., 238
Pickard, C., 651
Mrs. D. C., 1186
E. W., 814
G. L., 722
R., 567
Pickard-Cambridge, W. A., 470
Pickbourne, H., 424
Picken, D. K. W., 555
L E. R., 90, 100
R. M. F., 555
Pickering, A. L., 982
E. N., 413
F. P., 494, 515
G. W., 355, 670
S., 220
W E., 1028
Pickford, C. E., 154
M., 600
R. W., 623
Pickles, V. R., 146, 151
W., M.A., 272
W., M.Sc., 412
Pickstock, F. V., 488
Pickthorn, K W. M., 85, 98
Pickup, E., 199
Picton, A., 205
J. G., 30
Piddington, M., 1036
R. O., 1105
Pidduck, J., 1032
Pidgeon, L. M., 928
Pienaar, A. J., 1140
A. J., B.Sc., 1146
B. P., 1203
P. de V., 1196
Piepenburg, W. W., 922
Pierce, E. T., 88
F. W., 505, 514
G. B., 697

Pierce, G. O., 545
M., 1340
T. J., 531
Piercey, J. M., 1007
Piercy, M. F., 40
N., 282
Pieterse, J. E., 1165
Pietersen, J. V., 1201, 1203
Pietka, L. J., 187
Pietrkiewicz, J., 240
Piette, G., 762
J., 832
Pifer, A., 1522
Pigeon, Rev. I., 857
L. P., 765, 766
Pigford, R. L., 949
Piggott, J. R., 574
L. S., 397
M., 305
P., 546
S., 596, 670, 1522
Pigott, C. D., 502
Pigou, A. C., 101
Pijper, A., 1169
Pike, D. H., 982
F. K. C., 1557
Pilcher, R. S., 363
Pilgrim, R. L. C., 1101
Pilkington, W., 691
Pillai, A. R., 1252
Mrs. B. P., 1306
E. P. N., 1428
K. G., 1427
K. P., 1427
K. P. A., 1353
K. S., 1249
M. N. K., 1427
N. G., 1428
P. K. K., 1430
P. K. P., 1344
S. C., 1445
T. M. N., 1358
T. S. S., 1350
V. R., 1427
Pillay, K. N., 1283
Pilley, J. G., 597
Pilliner, A. E. G., 597
Pilling, D. E., 161
Pillow, A. F., 1044
M. E., 392
Pillsbury, R. W., 715
Pilon, J. L., 832
Rev. P. M., 833
Piloto, A. E., 1512
Pim, J. R., 564
Pimm, Mrs. J. B., 739
Pimparkar, G. P., 1370
Pimplikar, E. D., 1369
Pinard, Rev. A., 833
Pince, J. G., 313
Pinchbeck, I., 246
Pinckney, C. P., 353
Pincock, J. G., 812
T. A., 813
Pincott, M. N., 71
Pinder, A. R., 658
Pineau, Rev. J. W., 886
M. A., 758
Pinfold, H. C., 1194
Pink, H. L., 96
Pink, R. C., 658
Pinkard, F. W., 29
Pinkerton, H. H., 626
J. H., 1543
Pinkney, W. P., 136
Pinl, M., 1467
Pinnell, L. G., 468
Pinniger, J. L., 359
Pinsent, A., 535
J., 188
P. J. N., 193
Pinsonnault, G., 832
Pinto, C. F. X., 1456
Rev. S. I., 1452
V. de S., 426, 436
V. de S., Jr., 240
Piper, Mr. Justice, 991
A. E., 1010
C. S., 986
H. W., 982, 1019
S. H., 76
Pippard, A. B., 88, 97
A. J. S., 254, 256
Pirenne, M. H. L., 585
Pires, E. A., 1305
Pirie, Mrs. A., 453, 472
N. W., 391
Pirzada, A. G., 1494
Pisharoty, K. N., 1355
Pistorius, P. V., 1163
Pitchai, S. A., 1357
Pitcher, W. S., 257
Piters, J., 727
Pithawalla, M. B., 1475, 1494
Pither, L. M., 177
Pitman, E. J. G., 1063
Pitt, C. C., 937
D. G., 822
F. W. C., 61
G. A. J., 187
H. G., 446, 470
H. R., 159, 427, 436
J. A., 913
M. O., 569
R. H., 573
V. J., 109
Pitt-Watson, Rev. I., 588
Pittman, R. W., 249
Pitts, R., 544
Place, U. T., 983
Plack, R. L., 574
Plackett, R. L., 191
Plamenatz, J. P., 449, 463, 474
Plamondon, S., 826
Plant, Sir A., 270
C. G. H., 300
M., 274
S. G. P., 440
W., 71
Plante, J. M., 761
L., 826
Plaskacz, B., 739
Plaskett, H. H., 439, 465
Platnauer, M., 459
Plato, J. R., 261
Platt, B. S., 384
G. H., 264
J., 546
J. G., 234
Platt, J. I., 531, 533
P., 1044
R., 407, 422, 1140
Rev. W., 919
Pleasance, M. G. W., 96
R. E., 506, 510
Please, N. W., 308
S., 188, 192
Plesch, P. H., 574
Pleva, E. G., 958
Plewes, A. C., 870
Plomley, N. J. B., 1042
Plommer, W. H., 81
Plourde, R., 827
Plowman, A. S., 1026
D. E. G., 402
E. W., 1388
Mrs. J., 403
J. W., 264
R. A., 1031
Plucknett, T. F. T., 211, 272
Plueckhahn, V. D., 1010
Plumb, A., 430
J. H., 85, 97
Plumbe, W. J., 1515
Plumer, E. M., 491
Plumèyne, J , 503
Plumley, J. M., 94
Plummer, D. K., 848
M., 174
N. S., 324
P. G. J., 863
Plumpton, C., 281
Plumstead, E. P., 1195
Plunkett, B. E., 249
T., 913
Pochin, E. E., 362
Pocker, Y., 301
Pocock, J. A., 67
J. G. A., 1090
L. G., 1099
Podder, A., 1292
Podestà, C. H., 1520
Podmore, D. A., 508
Podolanski, J., 402
Podolsky, T., 872
Poel, L. W., 644
Poidevin, L. O. S., 985
Poingdestre, W. L., 96
Poirier, L., 830
P., 830
R., 697
Poisson, Rev. P., 829
Poitras, Rev. A., 894, 895
Polanyi, M., 403, 422, 593
Polder, D., 61
Polding, J. B., 1536, 1538
Pole, J. D., 544
J. R., 305
Polgar, N., 440
Polglase, W. J., 724
Polglaze, M. J., 1001
Poliquin, J. M., 858, 859
P. A., 769
Pollack, R. H., 1045
Pollak, E., 422
H., 1070
J. K., 1042
Pollard, A., B.A., 398
A., B.Sc., 174, 181

Pollard, A., Ph.D., 70
A. G., 255
D. G., 1555
F. H., 58
H. F., 1025
J. R. T., 537
M. J., 1132
S., 502
Pollet, W. E., 750
Pollinger, F. T., 73
Pollock, A. V., 173
Sir H. E., 1509
H. S., 871, 876
Pols, J. W., 1170
Polson, C. J., 169
R. A., 812
Polunin, I. V., 1514
Polya, J. B., 1062
Pomerleau, R., 759, 762
Pomeroy, H. M., 1775
Pomfret, J., 722
Pond, D. A., 308, 370
Ponsford, L. G., 384
Ponsonby, G. J., 273
Pont, D., 1168, 1171
Pontecorvo, G., 620
Ponting, F. W., 584
Ponton, F., 1071
Pool, A. G., 568, 571
E. M., 551
K. R. S., 144
Poole, A. L., 467
D. F. G., 1534
D. I., 176
H. G., 301
J. C., 729
J. H. J., 1773, 1774
P. M., 96
Poon, Y. K., 1506
Poornachandra Rao, M., 1247
Pope, A. H., 545
F. C., 570
G. S., 496
J. A., 425, 431
M. W. M., 1131
N. K., 1101
Popham, E. J., 404
H. E., 813
Pople, J. A., 86, 108
W., 1145
Popova, H., 584
Popovic, Prof., 261
Popp, Z. G., 912
Popper, E. N., 1200
K. R., 272
O., 1200
Popperwell, R. G., 87
S., 546
Popple, M. A., 1036
Popplewell, Rev. D. L., 131
J. W., 436
Porritt, Sir A. E., 356
Porsolt, I. V., 1106
Porteous, A. J. D., 188
J. W., M.Sc., 695
J. W., Ph.D., 581
Rev. N. W., 549, 599, 609
Porter, A. M., 938
C. R., 32
D. C., 663
Porter, E., 761, 763, 772
Mrs. H., 926
H. K., 1049
Mrs. H. K., 259
H. W., 606
I. A., 144
J. A., 739
J. C. H., 714
Rev. J. R., 455, 465
J. W., 664
J. W. G., 496
S. W., 777
W. H., 1772
Portier, J. M., 913
Portland, Duke of, 424
Portman, N. A., 564
Portus, G. V., 1017
Portway, D., 104
Posel, M. M., 1201
Posen, Rev. R., 428
Poser, E. G., 779
Post, F., 371
N., 986
Postan, M. M., 85, 103
Postma, A., 1156
J. W., 1187
Potanin, N., 1005
Potashvin, R., 722
Potdar, M. D. V., 1405
T., 1372
Potgieter, E. F., 1183
F. J. M., 1188
H., 1152
J. T., 1188
Mrs. M. M., 1156
Pothan, E., 1388
Potok, M. H. N., 639
Potratz, H. A., 205
Potter, A. M., 394, 399
C., 391
C. C., 781, 799
G. J. R., 116, 487
G. R., 504, 514
H. H., M.A., 913
H. H., Ph.D., 62
H. S. A., 584
J., 271
K. R., 597
M. F., 65
O. E., 412
O. S., 1048
S., 189
W. A., 436
W. I., 777
Pottier, Hon. V. J., 746
Pottle, C. H., 749
Potts, D. C., 444, 462
E. L. J., 140
L. J., 83, 103
R. B., 982
W. L. J., 175
W. T. W., 584
Potvin, A. R., 767, 769
E., 769
G., 921
L., 769
R., 764
Poulin, G., 765, 771
Pouliot, A., 763, 771
E., 759
Pouliot, O., 764
P. L., 838
Pounder, E. R., 779
I. R., 923
Poupart, Rev. H., 861
Pourbaix, M., 261
Pover, W. F. R., 42
Povey, K., 186
Powe, A B., 1044
Powell, A., 520
C. F., 61, 76, 456
F. C., 86, 99
G. D., 560
H. A., 136
H. K., 1033
H. M., 440
I. B., 545
I. G., 285
J. E., 405
J. K., 131
J. T., 1179
M., 1098
P. H., 569
R., 305
T. G. E., 187
T. P. S., 438
W. H., 544, 546
Power, E., 1785
E. A., 306
G., 427
Rev. G., 1036
M., 1796
Powers, A., 863
Powesland, P. G., 1535
Powicke, M. R., 922
Powis, G. J., 502
Powles, J. G., 141
W. E., 727
Pownall, L. L., 1100
Poynter, A. R., 801
J. R., 1012
Poyser, G. H., 549
Poznanski, T., 765
Prabhu, K. S., 1446
M. G., 1355
M. N., 1355
N. U., 1331
S. S., 1447
Prabhudesai, A. S., 1324
Pradhan, G. K., 1268
K. K., 1226
R. K., 1377
Prados y Such, M., 788
Pradyumna Kumar, D., 1255
Prafulla, K., 1317
Praill, P. F. G., 277
Prain, J. H., 650
Prakasa Rao, V. L. S., 1348
Prakash, A., 1304, 1305
B., 1447
Mrs. N., 1308
O., 1311
P., 1284
Mrs. R., 1305
S., 1240, 1241
V., M.A., 1305
V., M.Sc., 1228
Pralhad, S., 1371
Praneshrao, P. R., 1333
Prasad, Prof,. 151

Prasad, A., 1307, 1310
Ayodhya, 1412
A. K., 1276
A. N., 1401
B., D.Litt., 1302, 1307, 1314
B., D.Phil., 1221
B., D.Sc., 1437
B., M.Ed., 1383
B., M.Sc., 1223
B., Ph.D., 1401
Mrs. B., 1276
B. G., 1343
B. N., D.Sc., 1241
B. N., Luck., 1336
B. N., Nag., 1374
C., 1417
G., D.Sc., 1241
G., M.D., 1402
H., 1402
J., B.Sc., 1417
J., M.A., 1374
J., M.B., 1342
Jwala, 1378
K., 1336, 1338, 1344
L., 1418
L. M. M., 1402
N., 1323
N., Patna, 1402
P. R., 1402
R., M.A., 1224
R., M.Ed., 1401, 1402
Rajendra, 1411
R. B., 1277
R. R., 1224
S., M.Sc., 1228
S. N., 1377
T., 1223
Prasadrao, V. P., 1374
Prashar, S., 1306
Prat, H., 825
Pratap, M., 1228
Pratt, C. A., 255
C. L. G., 88, 97
C. W. McE., 79
E. J., 919
P. L., 35
R. C., 776, 1535
Pratt-Yule, E. T., 1145
Pratte, Judge G., 766, 771
Y., 766
Prawer, S. S., 34
Preece, A., 140
C. G., 696
I. A., 610
Preedy, L. G., 415
Preidel, E. E., 257
Prendergast, W. H., 1796
Prentice, J. E., 265, 392
J. H., 496, 671
S. A., 1032
Prentis, J. M., 582
Prescott, J. A., 986
J. C., 138
S. L., xxx
Preshaw, A. S., 1062
Presley, C. F., 1026
Pressnell, L. S., 308
Prest, A. R., 82, 97
J. M., 459
Prest, W., 1001, 1013
Preston, A. W., 711
F. C., 729
G., 1053
G. D., 647, 652
H., 1530
J., B.A., 60
J., B Sc., 659
J. H., 91
J. M., 412
M. A., 800, 950
N. W., 406
R. A., 882
R. D., 161
Rev. R. H., 414, 420
W. W., 695
Prestwich, J. O., 446, 466
Mrs. M., 446, 473
Pretious, E. S., 717
Pretorius, J., 1156
J. S., 1152
M. H., 1145
P. J., 1157
S. J., 1185
Mrs. T., 1158
V., 1163
Prevezer, S., 305
Prévost, Hon. C., 829
G., 825
J., 830
Rev. L., 894, 895, 897
Rev. P., 894, 895
Y., 766
Price, A. G., 982, 987
Rev. A. J., 199
A. T., 564, 565
A. W., 1512
C. A., 993
C. H. G., 66
C. J. L., 531
Mrs. C. K., 472
D. E., 509
F. D., 446, 462
F. V., 449
H. H., 447, 465
H. L., 165
J. W., 670
L. O., 1009
M. E. M., 1548
P. H., 507
P. I., 293
R. W., 1549
T., 617
T. W., 1132, 1139
V. E., 99
V. S. C., 1530
W. C., 266
W. L., 1025
Prichard, A., 427
M. J., 92, 100
W. J., 177
Priddin, D., 60
Pride, P. F., 890
Prider, R. T., 1070
Pridie, K. H., 67
Priest, T. A., 1069
Priestley, F. E. L., 919
K. E., 1504, 1507
M. A., 1524
Sir R., 1501
Priestley, R. R., 1011
Prigmore, B. J., 256
Prime, H. A., 981
Primeau, B., 826, 828
Primrose, E. J. F., 570
T., 787
Prince, A. R., 689
A. T., 520
Rev. F. H., 755
F. T., 518
H. C., 304
L. A., 801
Rev. S. H., 744
Princess Royal, H.R.H. the, 160
Pring, J. T., 306
M. E., 58
Pring-Mill, R. D. F., 450
Pringle, A. K., 583
A. V., 665
G. E., 161
J., 585
J. W. S., 90, 103
K. E., 327
Mrs. M. L. K., 32, 44, 54
P., 331
R. B., 1775
R. W., 810
S., 1775
S. L., 848
Prinsloo, L. A., 1165
M. J. M., 1152
Prior, A. N., 1100
L. E., 427
Prissick, F. H., 784
Pritchard, A. J., 392
E. A. B., 362
E. P., 45
H. O., 396
H. V., 847
J. E., 788
J. J., 657
Probert, L., 546
Procter, E. E. S., 473
Procter-Gregg, H., 401
Proctor, G. A., 798
G. R., 581
Rev. W. C. G., 1776
Proetz, A. W., 223, 379
Pronger, L., 718
Prophet, A. S., 663
Prosser, A. P., 255
R. R., 749
Prothero, R. M., 1529
Protheroe, H. T., 504
Proudfoot, F. G., 852
M. E., 649
Proudlove, J. A., 194
Proudman, I., 87
Proulx, M., 758
Provan, M., 640
Provost, H., 763
Prowse, A. R., 1001
G. A., 1556
W. A., 129, 130
Prudhoe, J., 598
Prud'homme, J., 831
Prue, J. E., 493
Prunty, F. T. G., 359
Pruthi, H. S., 1303

Pruttie, H. S., 1312
Pryce, D. M., 356
M. H. L., 61
R., 99
Pryce-Lewis, O., 1130
Pryde, G. S., 621
J., 546
Pryor, A. D., 1032
E. J., 258
M. G. M., 90, 107
W. M., 335
Prysor-Jones, D., 196
Puddington, I. S., 858
Puffer, D. S., 935
Puflett, R. D., 1050
Pugh, G. J. F., 424
J. C., 1529
L. P., 95, 102
P. D. S., 95
R. J., 171
T. B., 519
W., 1131
Pugsley, A. G., 63
A. T., 991
P. T. R., 911, 914
W. H., 781
Pulford, E. B., 840
Pullan, J. M., 359
Pullar, E. M., 1011
Pullen, W. J., 1052
Pulleyblank, E. G., 94, 296
Pullicino, J. C., 1519
Pullman, D. R., 848
Pulver, S., 1000
Pulvermacher, G., 1133
Pulvertaft, R. J. V., 366
Pumphrey, R. J., 193, 542
Punjab, Gov. of, 1478
Punjari, B. M., 1268
Punna, M.A., 1328
Punnett, R. C., 99
S. W., 518
Purandare, N. M., 1284
Puranik, G. A., 1371
P. G., 1385
Purcell, Mother M. E., 1788
P. F., 1790
V. W. W. S., 85
Purchase, R., 995
W. B , 362
Purchon, R. D., 1513
Purdie, E., 238, 242, 245
Purdy, A. D. T., 932
Puri, B. N., 1338
B. R., 1392
P. K., 1435
P. L., 1377
R. B. M. L., 1400
V., D.Sc., 1228
Mrs. V., 1228
Vimla, 1304
V. R., 1311
Purkis, H., 1524
Purohit, G. L., 1413
K. J., 1371
M. L., 1225
Pursall, B. R., 507
Purser, A. O., 156
J., 1772, 1777
J. W. R., 620
Pursey, D. L., 599
Purshotam, Mrs. K. V., 1304
Purslow, B. W., 1513
Purushothama Naidu, B. R., 1350
Purushottam, T. A., 1362, 1364, 1366
Purushottam Rao, K., 1382
Purves, C. B., 776 1761, 1762
J. D., 929
Purvis, Mrs. M., 775
O. N., 259
Pusey, H. K., 451, 465, 470
R. F., 39
Pushp, P. N., 1329
Pushpanathan, M., 1355
Putnaerglis, R., 783
Putnam, D. F., 921
Putt, H. B., 199
Puttappa, K. V., 1362
Pybus, A. E., 177
H. J., 109
M. B., 319
Pyddoke, E., 228
Pye, M. W., 59
N., 569
Pyle, Rev. E. H., 1525
W. F., 1771, 1773
Pylee, L. M., 1352
Pym, Mrs. D. O., 59
L. M., 910
Pyne, F. F., 910
G. T., 1793
Pyrah, G. B., 570
L. N., 166, 171, 173

Qadir, A. B. A , 1479
M. A., 1382
S. A., 1354
Qadri, A. J., 1236
A. R., 1388
H. A., 1384
I.. H., 1386
M. A. H., 1476
M. A. R., 1381
S., 1383
S. M., 1387
Qaiyum, A., 1384
Qamber, A., 1340
Qamruddin, M., 1469
Qanungo, K. R., 1338
Qari, M. A., 1483
Qasim, Z., 1236
Qateel, A. H , 1383
Qayum, A., 1234
A., Pesh., 1488
Qayyum, A., 1478
Qazi, M. M., 1493
P. N., 1329
Qazilbash, N. A., 1487
Qidwai, M. H., 1236
Quadir, G., 1329
Quadri, S. M. J., 1467
Quah, Q. G., 1514
Quain, R., 858
Quaraishi, M. A., 1267
Quarrell, A. G., 504, 511, 514
Quarni, O. M., 1480
Quarrington, B., 936
B. A., 926
Quartey, J. A. K., 1524
Quastel, J. H., 313, 775, 1761
Quayle, W. C., 191
Quddus, H. M., 1401
H. M. A., 1471
K. A., 1386
R., 1466
Quebec, Archbp. of, 711
Quehl, E., 696
Quenoville, M. H., 778
Querido, A., 151, 205
Quibell, T. H. H., 396
Quicke, G. V., 1145
Quidwai, Mrs. S. W., 1234
Quigley, W. A., 690
Quilliam, J. P., 266
T. A., 299
Quin, E. G., 1771, 1772, 1774, 1776
S. E., 1118
Quincey, J. H., 1044
Quinlan, F. M., 924
P., 1792
Quinn, D. B., 542, 551
G. P., 199
H. F., 913
H. M., 545
K. F., 1110
R. L., 1035
Quintin, T. J., 786
Quinton, A. M., 448, 457
P., 1150
Quirk, C. R., 303
R., 128
Quodling, F. M., 1044
Quon, D., 695, 699
Quraishi, M. A., 1265
M. F., 1324
R. A., 1349
Qureshi, A., 1237
A. A., 1478
A. H., 1488
A. H. N., 1322
A. K., 1479
A. W., 1387
M. A., 1225
M. M., 1233
N. A., 1389
Q. H., 1387
R. T., 1389
T. A., 1480
Qureshy, A. W., 1235
Qusklay, J. A., 652
Qutbuddin, Q., 1382
Qvist, G., 346

Raath, M. J., 1134
Rabcewicz - Aubkowski, L., 827
Rabie, J., 1169
Rabin, B. R., 301
C., 454
Rabindran, K., 1280
Rabinovitch, M. S , 722, 726
Rabinowitz, A., 1201
L. I., 1195
Rabkin, J. W., 1135
Rabson, B. A., 814
Racey, A. G., 781, 828

Rachman, D., 638
Racine, Rev. C., 1350
G., 773
Rev. J. C., 758
Racker, D. C., 408
Rackow, A. M., 332
Radcliff, J. R., 1049
Radcliffe, A., 372
F., 205
G. R. Y., 464
J. A., 1045
M. A., 739
P. F., 87, 101
S., 60
Radden, H. G., 404, 418
Rädel, F. E., 1183
Radford, A., 436
J. G., 1050
J. T., 1000, 1032
M. A., 59
Radforth, N. W., 799
Radha, Mrs. R., 1351
Radhabayamma, J., 1388
Radhakrishnamurthy, R., 1348
Radhakrishnan, S., 1288, 1302
Sir S., 1213
Radley, W., 309
Rado, E. R., 1524
R., 495
Radok, U., 1003
Radomysler, A., 275
Radwanski, P., 827
Radzinowicz, L., 92, 107
Rae, A. L., 1119
J. J., 918
R. W., 883
T. I., 646
W. J., 906
Raeburn, J. R., 271
Raeside, J. I., 1119
Rafael, Rev. R., 1283
Rafat, M., 1386
Raffle, J. W., 189
Rafiuddin, S., 1368, 1376
Rafiullah, 1234
Raftos, J., 1050
Raghava Rao, B. S. V., 1246
Raghavachar, K. V., 1362
Raghavachari, C., 1355
V. S. V., 1351
Raghavacharya, M. V., 1247
Raghavacharyulu, D. V. K., 1245, 1247
Raghavan, K., 1351
K. S., 1386, 1391
M. R., 1447
N., 1255
S., 1385
S. V., 1387
V., 1350
Raghunath, P., 1309
Raghunatha Rao, G. S., 1363
Raghunathan, S., 1387
V. S., 1389
Raghuvanshi, N. S., 1342
V. P. S., 1422
Ragland, S. P., 1249
Rahim, A., 1481
M. A., 1469, 1475
Rahim, R., 1467
S. K., 1494
Rahman, A., Aligarh, 1233, 1234
A., Osmania, 1388
A., B.A., 1385
A., M.Sc. Dacca, 1387
A., M.Sc. Osmania, 1384
A., M.Sc., Pakistan, 1466
A. K. M. M., 1468
E., 1465
F., D.Phil., 129
F., LL.B., 1487
F., M.A., 1480
Fazlur, 1274
H., LL.B., 1235
H., M.A., 1234
H., M Sc., 1466
Capt. H., 1238
H. A., 1477
K., 1236
K. F., 1466
K. M. A., 1465
Capt. M., 1469
M., M.A., 1467, 1468
M. A., M.A., 1387
M. A., M.Sc., 1386
M. K., 1384
M. O., 1224
M. S., 1237
N. A., 1305
Q. I., 1235
R., 1479
S. A., M.A., 1465
S. A., M.D., 1389
Justice S. A., 1484
S. F., 1233
S. M. F., 1468
W., 1467
Rai, B. R., 1223
Mrs. D. D., 1222
G., 1307
J., 1394
J. C., 1224
J. G., 1439
J. N., 1336
K. M., 1355
Mrs. P. M., 1351
R. N., 1310
S., 1386
Railly, J. W., 33
Raimes, S., 257
Raina, A. N., 1329
S., 1329
S. L., 1329
S. P., 1306
Rainbow, C., 35
Raine, Mrs. L., 146
Raines, R., 157
Rainford, R. A., 394
Rainnie, Mrs. B. M., 167
G. F., 163
Rains, A. J. H., 43
Raistrick, A., 139
H., 384
Raithby, G. E., 939, 942
Raitt, A. W., 464
W. J., 587
Raizada, A. K., 1344
B. L., 1223
Raizada, S. B., 1221
Raj, B., Osmania, 1387
B., Panjab, 1393
H., 1221
J. D., 1387
K. N., 1305
S., 1386
T., 1228
Rajagopal Pillai, M. S., 1253
P., 1255, 1256
Rajagopala Rao, P., 1375
Rajagopalan, D., 1304
N., 1253
R., 1445
S., L.M.S., 1355
S., M.A., 1253
S., M.Sc., 1246, 1251
Rajalahshmi, Mrs. R., 1253
Rajalakshman, D. V., 1349
Rajam, Rev. J. B., 1352
Rajamani, R., 1351
Rajamannar, P. V., 1312
Rajan, S. V., 1333
Rajapurkar, M. V., 1377
Rajaram, C., 1255
Rajarathnam, A. P., 1382
Rajaratnam, P. D., 1455
R., 1355
S., 1452
Rajasingham, A. S., 1456
Rajasooriya, G. P. D., 1454
Rajeswaran, C. D., 1354
Rajeswari, E. T., 1351, 1355
Rajgopal, L. V., 1332
P. V., 1387
Rajpai, M., 1439
Rajput, A. M., 1480
Raju, P. T., 1411
W. J. P., 1363
Rajvirkar, G. N., 1222
Rajwade, N. R., 1377
Rakesh, Mrs. S., 1222
Rakshit, S. C., 1436
Rakus, A., 858
Rall, W., 1092, 1098
Rallis, C. J., 1198
Ralph, B. J. F., 1024
J. D., 958
P. M., 1112
Ralphs, S., 400
Ram, A., 1389
B., 1372
D., 1402, 1403
D. R., 1307, 1312
L. M., 1515
M., M.A., 1306
M., Ph.D., 1310
R., 1395
S., M.A., 1311
S., M.A., Panjab, 1395
S., M.Sc., Delhi, 1310
S., M.Sc., Lucknow, 1338
T., M.A., 1306
T. M.Sc., 1329
Tirath, 1328
W., 1396, 1398
Ram Singh, 1375
Ram Udar, 1336
Rama Char, T. L., 1445
Rama Rao, B., 1372

Rama Rao, B. S., 1246
R., 1350
S. L., 1360
T., 1248
Ramabhadran, S., 1308
Ramachandra, S. M., 1446
Ramachandra Rao, A. S., 1247
B., 1247
H. N., 1446
L., 1246
P., 1248
Ramachandran, A., 1446
A. S., 1355
E. G., 1447
G. N., 1349
J., 1253
Ramachandriah, O., 1246, 1251
Ramachar, P., 1384
Ramacharya, V. S., 1447
Ramadoss Rao, 1253
Ramadwar, D. K., 1376
Ramage, D., 147
D. G., 127
Ramaiah, N. A., 1304
Ramakrishna, B. S., 1446
Ramakrishna Rao, K., 1246
V., 1247
Ramakrishna Reddy, G., 1361
Ramakrishna Sastry, S., 1350
Ramakrishnan, K., 1348
V., 1252
Ramalingam, C., 1253
M., 1456
V., 1255
Ramalingan, M., 1255
Ramamohana Rao, C., 1246
Ramamoorthi, K. S., 1255
Ramamurti, C., 1255
K., 1351
K. S., 1246
Ramamurty, S., 1247
Raman, C. K., 1354
Sir C. V., 1247
K. N., 1372
M. V. P., 1386
R., 1224
S. V., M.L., 1247
S. V., M.Sc., 1388
T. K., 1427, 1430
Ramana, D. V., 1245, 1251
Ramanadham, R., 1246
V. V., 1245
Ramanathan, A., 1350
A. N., 1356
K. R., 1323
V., 1429
RamanathanChettiar, L. P. K., 1254, 1256
Ramandala, 1453
Ramani, N., 1351
Ramanuja Iyengar, T. K., 1254
Ramanujachari, G., 1356
P. S., 1254
R., 1252
Ramanujachariar, M. R., 1253
R., 1256
Ramanujacharya, K., 1384
Ramanujam, V. S., 1356
V. V., 1252
Ramarkrishnan, A., 1349
Ramasastri, B. V., 1247
Ramaseshan, 1447
Ramaswami, A., 1254
A., M.Litt., 1254
B., 1382
G. S., 1254
K. S., 1266
P., 1252
P. R., 1354
S., 1356
Ramaswamy, K. R., 1376
M. S., 1365
P., 1386
S., 1362, 1365
V., 1246
Ramautaram, K., 1385
Ramaya, S. V., 1436
Rambaud, A., 772
M. A. M., 60
Rambo, C , 1356
Ramchandani, P. H , 1222
Ramchander, P., 1389
Ramchander Rao, V., 1385
Ramchandra, S. N., 1371
Ramchandra Rao, A., 1336
Ramchandran, M. V., 1424
Ramesan, T., 1362
Ramkrishna, K. T., 1387
Ramkrishnan, S., 1325
Ramm, A., 446, 473
Ramnarao, B. V., 1382
Ramnathan, P. S., 1374
Ramsay, E. D., 1035
F., 583
G. D., 445, 470
Rev. I. E. St. C., 101
J. A., 90, 103
R., 906
R. M., 812
S. G., 648
W. N. M., 596
W. N. W., 637
Ramsbottom, F. V. H., 95
Ramsden, B. M., 1011
H., 403
W. S., 1306
Ramsey, Canon A. M., 125
A. S., 102
Canon I. T., 455, 465
P. H., 621
S. A., 1028
W. H., 402
Ramulu, K., 1251
Rana, A. R., 1488
M. M., 1303
Ranade, G. M., 1423
J. D., 1422
R. V., 1375
S., 1311
S. N., 1267
V. D., 1267
Ranadey, S. A., 1325
Ranasinghe, D. A., 1455
Randall, B. A. O., 139
D. H., 492
Rev. E. L., 106
Randall, H. S., 729
J., 1070
J. T., 266, 267
L. V., 825, 833
R. J., 1143
Randell, J. B., 325
Randhawa, G. S., 1303
Randles, J. E. B., 29
Ranga Rao, B. V., 1385
Rangachar, C., 1361
Rangachari, S., 1253
V., 1355
Rangacharloo, C., 1387
Rangacharlu, L., 1355
Rangadhama Rao, K., 1248
Rangam, C. M., 1226
Ranganathan, S. R., 1308
Ranganayakuku, I., 1249
Rangaswami Ayyangar, K. 1252
Rangaswamy, S., 1246
Rangnekar, S. B., 1392
Y. B., 1225
Ramalingayya, B. M., 1332
Ranjan, C. R., 1309
S., 1240, 1242, 1243
Rankin, A. G., 916
A. L. K., 627
J., 457
Rev. J. A., 889, 890
J. J., 1543
J. S., 639
R. A., 573, 621
Rankine, C. S., 631
H., 1011
Rannie, I., 146
Ransome, G. A., 1514
M., 34
Ranson, Mrs. R. E. A., 151
S. L., 136
Rao, A. N., 1436
A. R., 1386
A. R., M.Sc., 1324
A. Ramakrishna, 1245
A. R. C., 1331
A. S. J., 1387
A. S. R., 1388
A. V., M.Sc., 1385
A. V., Ph.D., 1337
A. V. G., 1387
B., 1357
Bhagwant, 1387
Bhimsen, 1388
B. L., 1351
B. N. B., 1225
B. P., 1382
B. R., M.A., 1382
B. R., D.Phil., 1228
B. V. R., 1386, 1445
C. B., 1248
C. K., 1356
C. K. P., 1355, 1358
C. P., 1245
C. R., 1388
C. V. N., 1375
D. K., 1387
G. C. V. S., 1354
G. H., 1389
G. S., 1421

Rao, H. S., 1354
J. C. K., 1387
J. N., 1386
J. P. S , 1351
K., 1383
K. B., 1222
K. Narasimha, 1351
K. Narasinga, 1351
K. R., D.Sc., 1247
K. R., M.B., 1389
K. Rang, 1386
K. Rangadhama, 1245
K. R. T., 1386
K. S., M.A., 1281
K. Sripada, 1378
K. V., 1308
K. V. N. A., 1250
M., 1388
M. A. G., 1358
M. G., 1355
M. P., 1387
M. R., 1387
M. S., 1356
M. S S., 1331
M. V., 1428
M. V. K., 1427, 1429
N., 1384
N. K. A., 1221
N. R., 1333
N. Rajeshwar, 1388
N. S. R., 1332
N V. S., 1390
P. C., 1332
P. H., 1389
P. L N., 1381
P. M., 1387
P. N., 1322
P. S., D.Sc., 1247, 1251
P. S., LL.B., 1389
P. S., Utkal, 1436
P. S. R. K., 1387
P. V., 1355
P. V. C., 1350
R., 1384
R. N., 1387
R. R., 1389
S., 1389
S. J., 1308
S. K., 1386
S N. C., 1331
S. R., B.E., 1306
S. R , D.Sc., 1284
Hon. S. R. K., 1381
S. R. N., 1337
T. B., 1387
T. B. S., 1447
T. R., 1387
T. S. M., 1418
T. S. S., 1247
U. N., 1356
U. P., 1265
U. V., 1351
V., M.B., 1389
V., Ph.D., 1381
V. B. B., 1386
V. D., 1283
V. G., 1389
V. K. R. V., 1302, 1305, 1312, 1314
V. R., 1386
Rao, V S., M.Sc., 1283
V. Simhadri, 1245
Vanguri Subba, 1249,1251
V. Subba, 1249, 1251
V. V., 1316
V. V L. N., 1388
V. Y., 1389
W. V. B. S., 1302
W. V. V., 1350
Y. A., 1386
Y G., 1376
Y. S., 1421
Raper, A. B., 1536
F. P., 173
R., 137
Raphael, D. D., 622
R. A., 658
Mrs. W., 273
Rapinat, Rev. A., 1350
Rappaport, A. M., 933
S., 1195
Rapson, W. H., 927
Rarıdhawa, G. S., 1306
Ras, S. J , 1308
Rasheed, G. D., 1388
M. A., 1383
Rashıd, A., 1480
A. A., 1479
M. Y., 1229
S. A., 1235, 1238
Mrs Z., 1476
Rashiduddin, 1237
Rashıduzzafar, 1235
Rasmussen, B. H , 569
K , 429, 436
S. E., 205
T. B., 786
Rascool, S. G , 1254
Rastagi, M. C., 1337
Rastall, R., 506
Rastogi, D. S., 1228
Mrs. P., 1228
R. C , 1224
R. P., 1337
R. S., 1337
T. P., 1224
Rastrıck, R. J , 1101
Rasul, H., 1235
K M., 1478
Ratcliff, Rev. E. C., 82, 105
G., 551
Ratcliffe, J. A., 88, 106, 313
J. S., 1028
Rath, A. F., 1049
B. N., 1435, 1437
G. C., 1434
J., 1436
R., 1435
Rathbone, G., 205
R. A., 96
Rathgeber, H. D., 1045
Rathi, S. S., 1223
Rathore, A., 1413
Ratnagiriswararan, A. N., 1355
Ratnam, Mrs. C. S., 1351
P. V., 1371
Ratnamma, H., 1360
Ratnao, J., 1387
Ratnavale, G. S., 1455
Rattan, V., 1308
Rattenbury, J. A., 1106
J. C., 780
R M , 78, 107
Rattray, G., 640
Ratz, R. E., 937
Rau, K B. K., 1417
L. S., 1245
Mrs. S., 1305
V., 1306
Raudorf, W. R., 913
Raut, B., 1435
Rautenbach, C. H., xxx, xxxiii, 1162
M. D., 1164
Raval, A M., 1322
R. R., 1265
Ravell, J., 589
Raven, Rev. C. E., 96
E. J. P., 581
J. E., 81, 101
R. W., 367
Ravenhill, W. L. D., 563
Ravenscroft, A., 1187
Raventós, Mrs. M. H., 403
Raw, B., 139
C. J. G., 1143
Rawat, R. R , 1368
Rawcliffe, A., 200
G. H., 63
Mrs. S. M., 70
Rawle, R. M., 1052
Rawlings, B., 1048
G., 308, 313
R , 546
Rawlins, G. A., 38
Rawlinson, E., 397
H E., 689
W. A., 999
Rawls, J., 491
Rawson, Mrs. D. O., 277
D. S., 903
P., 290
R. R., 271
Rawsthorne, F., 422
Rawstron, E. M., 426
Ray, A. K., 1293
B., 1434
B. C., 1435
B. N., 1310
D., 1435
D., M.A., 1440
H. C., 1452
J., 1007
L. J., 998
M., D.Sc., 1221
M., Ph.D., 1221
M. N., 1435
M. V., 954
N. B., 1439
N. C., M.A., 1305
N. C., Ph.D., 1290
N. R., 1291
P. C., 1436
P. N., 520
R. K., 1436
S., 1293
Sova, 1435
S. N., 1294
S. N., Ph.D., 1306

Ray, U., 1435
W., 991
Raybould, E. H., 1033
S. G., 176, 179, 573, 1530
Raychaudhury, M., 1291
S. K., 1292
Raymond, A., 828, 829
A. E., 958
J. M., 761
L. C., 791
R., 759
Rev. S., 1476
Raymond-Jones, T , 1200
Raymont, J. E. G., 520
Raymore, W. G., 928
Rayne, R. N., 574, 576
Rayner, A. A., 1146
D. H., 164
G. H., 506
M. E., 474
Raynor, E. F., 729
G. V., 35, 54
Rayski, C., 600
Rayski-Kietlicz, K., 684
Raz, M. A , 1234
Raza, M. S. M., 1234
Razia, F. D., 1479
Razvi, A. H., 1488
H. A., 1382
S. A. H., 1384
Razzaq, A., 1468
A., LL.B., 1488
F A., 1488
Razzaque, A., 1470
Rea, G. W., 902
Read, A. H., 646
C , 813
C. D , 371, 380
D. B., 192
Rev. D. H. C., 609
F., 720
F. H., 1050
H. C., 748
H. E., 746, 752
H. H., 254, 257
J., 644
J. L., 1555
L., 1137
L. M., 912
M. H., 234
Margaret H., 109
R. C., 1543
S. E., 717
T. T., 168
Reade, A. L., 205
Reader, S. R., 1050
Reading, P. V., 328
Reagan, F. P., 28, 31
Reaman, G. E., 940
Reaney, J. C., 808
Reardon, C. H., 750
Reasbeck, P., 36
Reavely, G. H., 958
Reay, G. A., 582
Rebello, D., 1279
Rebelo, L. de S., 205
Record, Rev. M.A., 707
P. D., 457, 484
R. G., 43
Recordon, E. G., 93
Rector, J., 1028
Redcliffe, Mrs. M. J., 172
Reddaway, J. L., 91
T. F , 305
W. B., 82, 97
Reddel. A. E. M., 1052
Reddi, B. G., 1245
D. G., 1248
D. V. S., 1355
G. S., 1245
N. S., 1356
Redding, J. S., 1251
Reddish, V. C , 596
Reddy, B., 1385
D. G., 1355
J., 1388
M. L. N., 1387
Justice P. J., 1390
P. P., 1389
P. V. R., 1389
R. D , 1351
Redfearn, E. R., 658
Redfern, J., 597
Redford, A., 396, 399
Redgate, G. W., 406
Redman, H. V., 493
R O , 79, 105, 116
T F , 171
Redmond, D A , 853
Redpath, R. T H., 83, 96, 107
Redshaw, S. C , 32
Redslob, R., 422
Reece, D. W , 581
Reed, B., 692
C. D., 188, 194
C. E., 155
G. B., 874
G. E., 788
G. W., LL.B., 692
G. W., M.Sc., 170
J. W , 285
R., 175
R. I., 619
R. W., 747
Reeder, A. M., 1526
Reeds, L. G., 800
Reek, W. R., 938
Rees, A. D., 533
A. H., 1528
A. W , 1144
B., 539
Mrs. B. M., 277
B. R., 531
D., 86, 98
D. A., 462
D. G., 34
D. T. A., 549
F. G., 532
G., 551
Goronwy, 530
G. J., 194
G. L., 550
G. O., 189
H., M.A., 332
H., Ph.D., 33
J., 33
J. C., 552
J. W., 403
K., 301
Rees, L., 1042
M. R., 495
R. E., 77
T. J., 550
W., 549
W. H. R., 557
W. J., 29
Rees-Davies, P., 729
Rees-Evans, E. T., 95
Rees-Jones, S., 224
Reese, A. J. M., 66
Reesor, I. M., 696
Reeve, J. M., 912
Reeves, J. W., 246
M. E., 435, 445, 474
Reffell, J., 497
Regan, L. W. A., 392
Regani, S., 1386
Rege, M. P., 1389
P. S., 1284
Regina Clare, Sr., 889
Régis, Rev. L. M., 824, 832, 833
Rehfisch, F. M., 300
Rehman, H., 1235
K. A., 1484
M L., 1266
Reich, V., 1453
Reid, A. E , 800, 801
A. J., 1068
A. McK., 196
A. N., 903
B. L., 1042
C., 715
D. B. W., 923, 934
D. D., 384
D. H., 644
D. I., 1530
D. J., 916
D. S., 130
F. P., 1200
H., 197
I. G., 319, 321, 500
J , 628
J. A. G., 725
J. C., 1106
J. E., 927
Rev. J. K. S., 167
J. M., 622
J. W., 748
K. S., 141
L., 767
L. A., 234
R. F., 941
R. G., M. B., 410
R. G., M.D., 789
R. L., B.Agr., 586
R. L., M.A., 1101
R. L., Ph.D., 1041
R. T. W., 983
S. F., 1010, 1011
S. M., 649
T. B. W., 403
W. H., 1091
W. S., 778, 791
Reifenberg, E. R., 61, 108
Reilly, E. E., 958
H. V., 1070
J., 1791
P. M. A., 494

Reilly, S., 1797
T. D., 205
Reim, E. P., 1146
Reimann, A. L., 1034
Reinbergs, E., 940
Reinecke, O. S. H., 1189
Reinhardt, K., 313
Reinhold, E., 693
S., 1201
Reinits, K. G., 55
Reischer, O., 723
Reiss, H. S., 275, 280
Reitsma, A., 1152, 1153
A. J., 1032
Remedios, H., 1281
Rémullard, G., 830
J. E., 834
Remnant, P., 722
S. J., 720
Remouchamps, L., 53
Rempel, J. G., 903
Renaud, Rev. E., 858
E. J., 707
Rendell, A. P., 1008
Rendell-Baker, L., 555
Rendle-Short, C., 1536, 1559
Renfrew, S., 627
Rengachari, T. K., 1253
Renier, G. J., 305
Rennell, Lord, 475
Renney, A., 714
Rennie, A. M , 588
B. C., 982
C. S., 725
D. A., 906
J B., 628
J. C., 939
J. H , 911
J. V. L., 1178, 1180
J. W. R., 814
R. A., 905
Rennison, G. A., 1005
Rennuci, P., 422
Renschler, H. K., 509
Renshaw, T., 597
Rentiers, P., 695
Rentner, L. W., 738
Rentoul, E., 627
Renwick, C. C., 1028
W., 86
W. L., 598
Restall, F. P., 610
Retief, F. P. le R., 1153
L. P., 1136
Reuben, H., 401
S. S., 1284
Mrs. S. T., 1332
T., 1332
Reusch, J. D. H., 1146
Reuter, F. H., 1025
G. E. H., 401
Reverchon, M. T., 780
Rewadikar, R. S., 1229
Rewell, R. E., 196
Rex, Rev. H. H., 1092
J. A., 177
Reye, R. D. K., 1051
Reyle, K., 1542
Reynolds, A. B., 60
A. K., 749
Reynolds, B., 86
B. A., 1119
Mrs. C. E. M., 156
C. H B., 291
E., 33
G., 68
H. C., 1066
J. H., 1070, 1071
J. M., 81, 109
J. P., 188
P. A., 532
P. G., 1009
P. M., 285
Reynoldson, T. B., 539
Reys, M., 1309
Reza Karim, M., 1467
Rhaney, K., 649
Rhees, R., 552
Rhinewine, S., 936
Rhoden, H. G., 91, 105
Rhodenizer, V. B., 687
Rhoderick, E. H., 622
Rhodes, A. J., 932, 934
E., 919
E. C., 211, 273
H. W., 1100
M. E., 495
P., 166
Rhondda, Viscountess, 543
Rhude, H. B., 747
Rhys, O., 491
Ribbans, G. W., 505
Ribbons, B. W., 618
Ribeiro, W., 1341
Ricard, H., 831
P. M., 832
Rice, D. S., 292
D. T., 596
F. A. H., 386
H. V., 693
J. I., 587
R. J., 399
T., 68
W. B., 873
Rice-Oxley, L., 443, 462
Rich, A. N. M., 544
C. B., 696
E. E., 85, 104
Richard, A., 759, 762
A. L., 863, 867
H. L., 698
Rev. J. d'A., 815
J. P., 134, 151
J. T., 866
M. E. J., 808
P., 768
Richards, A. I., 1536, 1538
C. C., 807
C. S., 1194, 1205
D. A., 532, 534
D. W., 53
E. J., 520
F. J., 259
G. M., 187
G. O., 176
H. R., 176
I. A., 102
J. C. S., 584
J. H., 921
J. R., 993
Richards, L. A. W., 1071
M., 1119
N. R., 940
Mrs. O. A., 519
O. W., 258
P. G., 518
P. W., 537
R., 587
R. E., 440, 463
R. L., 628
T., D.Litt., 526, 539
T., Ph.D., 495
T. G., 192
Richardson, Canon A., 428
A. D., 781
A. E., 312
Mrs. D., 1119
E. G., 141, 300
F. D., 258, 514
G. B., 442, 461, 467
G. P., 631
G. W., 164
H. O. W., 564, 565
I., 292
I. M., 588
J. A., M.A., 1032
J. A., M.Sc., 136
J. B., 258
J. C., 431
J. Elizabeth, 503
J. E., M.S., 336
J. E., Ph.D., 390
J. F., 255
J. H., 160, 162
Mrs. J. R., 1006
J. S., 358
K. C., 299, 309
K. J., 876
K. S., 1051
L. J. D., 526, 544
L. N., 738
L. R., 1112
Mother M. K., 233
M. M., 436, 497
M. W., 146
R. W., 814
S. D., 582
S. G., 175, 177
T., 1069
T. H., 306
Rev. W., 155
W. A., 426
Richdale, L. E., 1098
Riches, E. W., 340
J. P., 980
J. P. R., 119
Rt. Rev. K., 459
Richey, J. E., 645
Richharia, R. H., 1274, 1277
Richmond, A. H., 601
H. G., 587
I. A., 137
J. J., 353
J. M., 474
R., 924
W. K., 619
W. O., 721
Richnell, D. T., 207
Richter, D., 557
Mrs. J., 745

Rickard, P., 84, 99
Rickards, C. E. B., 408
Ricketts, C. R., 41
G. R., 430
Rickford, R. B. K., 359, 371
Rickman, H. P., 156
Ricks, D. M., 304
E. M., 518
Rickwood, F. K., 1044
Ridd, J. H., 301
Riddehough, G. B., 715
Riddell, F., 800
J., 777
Rev. J. G., 619
R. T., 939
S. S., 790
V. H., 353
W. A., 902, 907
W. F., 808
W. J. B., 626
Riddet, W., 1118
Riddett, S. A., 343
Riddiford, A. C., 517
Mrs. D. F., 520
L., 36
Riddle, H. F. V., 194
Riddolls, A. W., 1114
Ride, L. T., xxxi, xxxiii, 1501, 1503
Rideal, Sir E. K., 263
Rideout, E. B., 937
Ridge, J. M., 813
Ridgman, W. J., 90
Ridgway, K., 302
Ridler, P. F., 1557
V., 457
Ridley, Visct., 136
F. T., 371
H., 359
M. R., 245
N. H. L., 371
R. O., 307
Ridout, C. W. T., 297
G., 935
J. H., 931
Riedel, B. E., 697
Rieger, P., 1464
Riemer, P., 906
Rienits, K. G., 1031
Riese, L., 920
Riethmüller, W., 154
Rigault, A. A., 780
Rigby, C. M., 306
G. J., 409
M. M., 538
T. H., 1077
W., 249
Rigg, S. K., 63
Riggs, D. A., 940, 942
N. V., 1019
Rigsley, H. E., 931
Riley, C. F., 141
C. W., 939
E. C., 1774
F. T., 1785
I. D., 627
J. A., 412
J. F., 651
J. M., 1095
J. P., 191
Rillie, J. A. M., 620
Rimington, C., 362
Rimmer, D., 308
F. W., 622
W. G., 162
Rind, Mrs. S. R., 1098
Rinfret, L., 766
M., 825
Ring, J., 402
Ringrose, E., 860
E. C. D., 1036
Ringwood, A. E., 1002
Rink, E. H., 327
Rintoul, J. R., 395
Riopel, P., 827
Riopelle, J. L., 824
Riordan, B. A. A., 1137
M. J., 1793
W., 1007
Rioux, B., 827
R., 766
Ripley, H. A., 853
S. H., 1145
Rippon, G. W., 515
Rishbeth, J., 80
Risi, J., 759
Risk, Mrs. M. H., 1773
Rita Josephine, Sr., 844
Ritcey, L. F. S., 806
Ritchie, A. D., 600
A. E., 647
A. S., 1028
B W. T., 144
D. C., 696
D. J. B., 643
E., 1042
E. N., 421
F. L., 1050
H. D., 651
J., 1100
J. C., 515
J. D., 523
J. E., 1112
J. J., 811
J. M., 595
J. R., 1093
M., 596
P. D., 638
R. A., 747
R. C., 932
R. M., 749
T., 300
Ritson, F. J. U., 138
Rittenhouse, C., 777
Ritter, G., 949
Riva, Sr. M. F., 1430
Rivard, A., 766
J. H., 832
Rive, T. N., 1108
Rivest, R., 825
Rivett, K. D., 1001
Rix, R. E., 328
Rizvi, A. I. H., 1467
A. K., 1235
F. H., 1234
S. H., 1493
S. M. T., 1234
Y. H., 1229
Roach, J. P. C., 98
W. A., 391
Roadhouse, F. E. B., 940
Roaf, D., 449, 460
R., 197
Roatta, C., 86
Rob, C. G., 205, 356
Robarts, F. H., 607
Robb, A. M., 622
G. A., 928
G. D., 1105
H., 959, 961
J. P., 786
P. M., 604
R. A., 622, 624
W., 814
W. M., 1019
Robb-Smith, A. H. T., 453
Robbertse, W. P., 1157
Robbins, A. R., 451
L. C., 224, 271
R. G., 1110
W., 717
Robblee, A. R , 694
Roberson, B. S., 235
Robert, Rev. A., 825
A., M.D., 830
G., 761
L., 772
P., M.A., 764, 772
P., M.D., 831
P. R., 718
S. L., 1376
Roberts, A., Sheff., 507
A., Ph.D., 413, 535
A. E. G., 416
A. I. N., 1772, 1775, 1776
A. L., 168, 174
A. T. M., 65
B. C., M.A., 273
Barbara C., 555
Rev. B. J., 526, 538
C., 1355
C. D., 32, 36
C. H., F.B.A., 457, 467
C. H., M.A., 564
D. F., 1559
D. F. B., 439
D. K., 515
Rev. D. P., 526
D. T., 873
D. W., 79
Rev. E., 526
E. J., 539
E. M., 938
E. P., 539
E. R., 255
F., M.B., 1199
F., M.Sc., 299
G., 538
G. B. S., 628
G. P., 93, 100
G. H., 557
G. L., 506
G. T., 401
Rev. H., 211, 322
H., M.D., 196
H. M., B.Sc., 533
H. M., B.Com., 1177
I., 409
I. E., 568
J., 256

Roberts, J., Edin., 596
J. A. F., 65, 76, 370, 384
J. B., 196
J. B., Calif., 313
J. C., 424
J. D., 261
J. E., 340
J. I., 38
J. M., 464
J. M , Leeds, 172
K. V., 101, 306
Rev. L. E., 71
L. P., 533
M., 1182
M., D.Phil., 659
M. A. M., 503
M. H., 749
Mrs. N., 141
N. W., 197
O. M., 1791
R. A , 539
R. O., 550
R. W., 191
S., 415
S. C., 102, 422, 1803
S. H., xxx, 1041
T. A., 575
T. D. M., 623
T. P., 456
V. M. P., 77
W. S. L., 1775
Robertshawe, V. M., 1098
Robertson, A., D.V.M , 942
A., F.R.I.C., 608, 611
A , F.R.S., 53, 187, 205
Annie, 109
A. C., 939
A. D., 622
A. G., 645
A. J., 582
A. J. B., 264
A. P., 105, 622
A. S., 630
C , 160
C. J., 598
C. K., 606
C. L., 589
C. M., 300
D., D.Sc., 589
D., M.B., 595
D. C., 1134
D. F., 1034
Sir D. H., 82, 107, 435
D. J., 623
D. R., 811
D. S., 106
Mrs. E., 1542
Elizabeth, 604
Eunice, 691
E. M., M.B., 875
Eleanor M., 251
F , 493
F. E., 857
G. H., 596
G. S., 195
H. A., 429
H. G., 918
H. M., 1131
H. R., 728
I., 1135
Robertson, J., 619
J. D., 624
J. H., 629
J. H., Leeds, 161
J. M , D.Sc., 618
Jean M., 1511
J. S., 983
J. S. M., 629
M. F., 428
M. H., 650
N , 59
N F., 80
R., 729
R. G., Cape Town, 1134
R. G., N.S.W., 1027
R. N. M., 517
R. T., 1090
Mrs. S., 1512
S. A , 391
T. I., 1050
V. C., 119
W , 188, 192, 205
W. B., 146
W. G. P., 30
Robichaud, E., 895
F., 895
H. M., 828
J. P., 895
Robillard, E , 827
Abbé H., 827
R., 831
Robin, G. de Q., 36
I. G., 356
Robinow, C. F., 960
Robins, A., 1199, 1204
R. E., 729
R. H., 293
R. T., 1102
Robins-Browne, R., 1201
Robinson, A., 923
A. D., 807
A. E., 143
A. G , 811
A. H., 1044
A. H. W., 569
A. J., B.Sc. (Eng.), 258
A. R., M.D., 1069
A. R., Ph.D., 531, 533
B. J., 1010
C. E. G., 725
D A. F., 923
D. B., 695
D. M., 941
D. R., 906
D. T., 195
Mrs. E., 161
E. A. G., 82, 106
E. J., 1095
E. M., 1170
E. S. G., 447
E. V., 1033
F., 138
F. B., 77
F. D., 91
F. W., 1033
G. C. F., 726
G. de B., 923
G. S., 1119
G. W., 440
G. W. S., 518
Robinson, H. H., 68
H. R., 207, 282
H. W , 939
H. Y., 140
I., 532
I. M., 714
I. T., 278
J. A., 585
J. A. T., 82, 97
J. I., 913
J. L., 411
J. L., Ph.D., 719
J. M., 808
J R., 93, 99
Mrs. J. V., 82
K., 495
K. E., 441, 474
K. L., 661
K M , 346
K. W., 1034
L. G., 271
L R., 1093
L R. B., 1543
M I., 416
Rev. N H. G., 1178, 1180
Mrs. P., 723, 734
P. L., 137
Pamela L., 309
R., 448, 465
Sir R., 440, 463, 573
R., Canada, 838
R. A., 1074, 1511
R. B., 1048
R. E., 85, 105
R. G., 1095
R. H O. B., 359
R. J., 460
S., 875
S. C., 737
Mrs. S. C. S., 474
T. H., 662
T. J., 998
W., 411
Rev. W. G., 400, 414, 420
W. J., 495
Robson, A. G., 138
C. A., 443
D. A., 139
D. O., 918
E. B., 304
H. E., 29
H. N., 593
H. N., Aust., 984
Rev. J., 403
J. D., 598
J. M., 328
K., 353
M. A., 125
P., 658
Mrs. R., 918
S., 142
W., B.Sc., 140
W., D.Sc., 266
W. A., 272, 435
W. J., 907
W. W., 443, 463, 467
Robson-Scott, W. D., 250
Roche, A. F., 998
Rev. E. J., 886
J., 313

Roche, K. F., 1792
L. P., 1786
M. A., 1793
Rocher, G., 765
Rochester, G. D., 402
Mgr. R., 758, 765
Rochette, P., 767
R., 830
Rockett, K., 138
Rockey, K. C., 551
Rockman, M. N., 930
Rocksborough-Smith, S , 716
Rodd, R. S , 939
Rodda, H. J., 981
R. A., 1094
Roddy, M. E., 708
Rode, K P., 1411, 1414
Roderick, J. W., 1048
Rodewald, C. A., 400
Rodger, A., 251, 1528
A. B., 446, 458
G B. B., 621
M., 1101
T. F., 629
W. G., 1110, 1113
W. S., 786
Rodgers, A. B. L., 399
A. L., 402
Mrs. B. N , 399
H. B., 398
H. W., 664, 670
Rodman, F. S. B., 699
Rodrigo, J. L. C., 1451, 1457
Rodrigues, G., 1548
L., 1282
Rodriguez, Rev. V., 707
Rodway, A. E., 426
B. J., 423
Rodwell, H. R., 1106
Rodys, W , 861
Roe, C. K. H., 941
E. M. F., 369
F. C., 582
J. W , 509
O. M., 1002
Roemelle, P. M., 606
Roger, A., 53
J. P., 768, 769
R., 644
Rogers, A. F., 62
A I. , 622
Mrs. C , 570
C A., 35
C. A., N.Z., 1106
D., 546
D. H. R., 882
E , 540
E. M., 1531
F., 1804
F. H., 1089
G. F. C., 63
G. L., 1112
J., M.B., 649
J., M.Sc., 1091
J., Ph.D., 538
J. S., 998
J. T., 882
K. B., 42
K. H., 782
L. C., 557
Rogers, L. J., 917, 931
M. A., 782
Mrs. M. K., 427
R. H., 401
W. P., 922, 984
W. S., D.Sc., 392
W. S., M.A., 920
Rogerson, A., 462
Roginsky, A., 689
Rogoff, I. V., 1204
Rogosinski, W. W., 140, 159
Rohan, R. F., 395
Rohatgi, H. L., 1226
S , 1225
Rohl, Mrs F. K., 399
Rohtagi, A. B., 1307
K. B., 1308
Rohwer, E. F. C. H , 1185
Roland, A E., 851
E., 764
Rolfe, E. M. F , 576
Rolfes, M., 313
Rolland, C. F., 605
R , 831
Rollason, E C., 194
Rollin, B. V , 449
Rollins, C. D., 1004
Rollit, J. B., 807, 814
Rollo, W , xxxii, 1140, 1540
Rolo, P J. V., 575, 576
Rolph, P. M , 36
W. K., 997
Romanes, G. J , 595
Romanis, W. H C., 359
Romer, T , 780
Ronaldson, M. G., 1000, 1001
Ronimois, H. E., 716, 723
Rontelli, R., 261
Roode, D. J., 1152
M. C , 1157, 1158
Rooff, M. M , 246
Rook, Sir A F., 92
A. J., 560
Rooke, B E , 1542
Room, T. G., 1044, 1054
Roomani, F. D. A., 1480
Rooney, C. E. S , 800
Rev P., 471
P , 692
R. A., 690
Rooper, J., 456
Root, Rev. H. E., 82, 99
Roots, I. A., 545
Roper, Mrs. A. E., 1001
G. H., M Sc., 1025
G. H., Ph D., 919
J. A , 620
J. I., 510
M. E., 1012
Roper-Hall, H. T., 31
Roques, F. W., 340
Rosario, E. F., 1376
Rosborough, T. U., 665
Roscoe, H., 684
K. H., 91, 99
M. H., 408
M. V., 774, 775, 791
R., B.Sc., 685
R., Ph.D., 141
Rose, A., M. Sc., 427
Rose, A., Ph.D., 936
A. G., 159, 399
A. J., 1020
Rev. A. P., 1505
B., M.D., 785
B., Prof., 879
B. S , 183
B. W. G., 447, 467
C W., 1535
D. J., 410
F., 244
G. M., 602
G. N., 494
H., 563, 1182
H. E., 264
H. J., 655
H. L., 1144
I. L., 1028
J. D., 147
J. D., B.Com., 1105
J. E., 812
M., 1199
Mrs. M. B., 1506
N. M., 590
P. H., 36
S. S., 411
T. A., 1045
W., 238, 272
W. J., 723
W McI., 1010
Rose Celestine, Sr., 844
Rose-Innes, R., 1523
Rosen, D. A., 875
E. J., 937
G., 963
H., 1107
L. J., 782
Rosenau, H., 395
Rosenauer, N., 1027
Rosenbaum, L. B., 253
Rosenberg, A., 1002
E , 1145
H., 288
R. L., 392
W., 1099
Rosenblatt, W., 1135
Rosenbusch, H., 172
Rosenfeld, L., 401
Rosenhead, L., 190
Rosenheim, M. L., 362
Rosenstiel, E., 331
Rosenthal, A., 715
E. I. J., 94
N. H., 1011
Rosenthall, E., 778
Rosevear, R. A., 935
Roseverne, V., 65
Rosher, P. H., 1548
Roskell, J. S., 426
Ross, A., M.D., 781, 787
A., Ph.D., 1090
Alison, 500
A. C. M., 920
Aileen D., 780
A. D., Ph.D., 264
A. S., 776
A. S. C., 35
C. A. C., 41, 42
C. C., 961
C. D., 60

Ross, C. R., 461
D. E., 789
D. J. A., 250
D. M., 309
D. S., 638
E. F., 749
E. L., 812
F. G. M., 65
H., 70
H. A., 560
H. B., 749
H. G., 785
H. S., 1091
H. U., 928
I. G., 1043
I. G. T., 563, 565
J., 77
J. A., M.A., 197
J. A., M.B., 606
J. C., 197
J. D., 605
J. D. M'B., 644
J. H., D Sc., 776
J. H., L.D S., 169
J. J., 1152
Sir J. P., 350, 375
J. V., 257
K. F. A., 318
M. A. S., 600
M. G., 936
M. M., 872
N. S., 545
O. J., 720
R., Trinidad, 1549
Roderick, 562, 565
R. C., 932
Rev. R. J., 1776
R. T., 806, 812
R. W., 926
S. M., 873
T. K., 32
V., 784, 794
W. B , 774, 778
W. C. J., 369
W. D., 727, 734
Sir W. D., 1771
W. J., 929
Ross-White, T. F., 521
Rossaert, F. E., 912
Rossback, F. B., 1048
Rossby, C. G., 261
Rosse, Earl of, 1770
Rosseinsky, D. R., 1177
Rossell, P. E., 70
Rosser, K. C., 294
Rossi, M. M., 599
Rossignol, J. C., 864
Rev. R., 894, 896
Rossiter, A. P., 83, 100
H., 961
R. J., 960
Rossmann, M. G., 639
Rostas, L., 83
Rosteutscher, J. H. W., 1132
Rostrup, O., 697
Rotblat, J., 350
Rotblatt, J., 542
Roth, C., 454
K. F., 306
K. W., 1101
Roth, L., 257
Rothberger, F., 848
Rotheray, D., 154
Rothermere, Visct., 821
Rothfels, K. H., 917
Rothman, M., 392
Rothney, G. O., 822
Rothschild, Lord, 90
Rothstein, E., 162
Rothwell, H., 518
J., 493
J. R., 940
W , 164
Rotkar, D K , 1389
Rouault, M., 827
Roubin, L. A , 315
Roughton, F. J. W., 82, 107
Rouillard, C. D., 920
L. M , 93
Rouleau, E., 825
Y , 768
Roulston, E. N., 840
K. I., 810
M. L., 840
R. P., 1063, 1066
Round, F. E., 29
Rounthwaite, C., 175
Rourke, Rev. D., 899, 900
Rous, C. C., 945
Rouse, J. L., 1004
Rousell, M. A., 700
Rousseau, C., 828
J., 769
L., 768, 769
L. Z., 760, 771
Z., 762
Roussel, J. M., 830
L., 863
Roussin, M., 861
Roussow, G., 827
Routh, D. A., 457
Routhier, A., 760, 766
Routledge, J. H., 787
K. G., 190
N. A., 102
Roux, A. S., 1183
E., 1194
R., 832
Row, P. V. J., 1434
Rowan, D. C., 1001
W., 694
Rowat, D. C., 738
Rowbotham, E. S., 345
G. F., 147
T. C., 405
Rowe, A., 401
A. H., 319
A. P., xxx, xxxiii, 422, 978, 980
D. S., 41
J. W. F., 83, 102
K. R., 162
P. G., 789
P. W., 397
W. G., 821
W. J., 190
Rowe-Evans, A. C. T., 1506
Rowell, G. R., 58
H. S., 257
Rowland, E. N., 545, 546
Rowland, I., 125
S. J., 496
Rowlands, Rev. E. C., 292
Rev. E. R., 526, 546
Mrs. H. C. S., 587
S., 356
Rowles, C. A., 714
E. C., 904
W., 791
Rowley, A., 392
B. A., 304
F., 751
Rev. H. H., 403, 414, 418
Rowlinson, J. S., 396
Rowse, A. L., 457
Rowsell, H. C., 941
Roy, A., B Sc., 596
A., Ph.D., 1227
A., D. ès L., 763
A. C., Dacca, 1466
A. C., M.A., 1318
A. D , 83, 106
A. K., 1292
B., 1306
Miss B., 1340
B. B., 1309
B. C., 1467
B. G., 1440
D., 1440
D. L., 748
E., 1356
F., 769
G. N., 1375
H. K., 1297
H. N., 1259
J. H. B., 496
J. M., 762
J. P., 1224
K., 1440
K. C., 1469
L., 764
L. P., 768
M., 1258
Mgr. M., 758
N. C., 1295
N. R., 1491
P. K., 1305
R., 1307
R. L., 1402
R. N., 1372
R. P., 1401
S. B., 1224
S. C., 1224
S. C., V.-B., 1439
S. K., B.Sc., 1268
S. K., D.Sc., 1293
S. N., M.Sc., 1402
S. N., Patna, 1402
S. N., Roorkee, 1418
S. S., 1422
U., 1436
W. M., 749
W. T., 1108
Y., 764
Royal, Rev. E., 860
Royappa, Rev. S., 1350
Royce, J. I., 870
Royer, A., 831
L., 767
M., 763

Royle, J. K., 413
Royse, A B., 155
Rozdon, P. N., 1260
Rozelaar, L. A., 280
Rubbo, S. D., 1008
Rubbra, C. E., 447
Rubens, H., 1133
Rubie, H. E. C., 791
Rubin, E. L., 194, 197
Rubinstein, N., 315
Rudall, K. M., 161
Rudd, C., 41
E. A., 982
M., 749
W. J. N., 153
Ruddell, J., 1036
Ruddiman, D., 580
Ruddock, A., 1178
A. A., 250
R., 415
W. J., 920
Rudenberg, W., 280
Rudge, E. A., 390, 391
Rudnyckyj, J. B , 810
Rudnytsky, Rev. W. A., 866
Rudra, S., 1375
Rudrapathi, S., 1363
Rudrappa, B., 1332
Ruel, M. J., 1530
P. H., 761
Ruer, J. M. L., 398
Ruff. E., 1002
Ruffside, Rt. Hon. Lord, 78
Ruggles, R. I., 719, 723
Ruhnke, G. N., 938
Rumboldt, I., 822
Rumford, F., 638
Rumke, K. C., 382
Rumke, H. C., 183, 593
Runcie, K. V., 601, 610
N., 1026
Runciman, D., 840
Hon. S., 68, 949
Runcorn, S. K., 84, 100
Rupp, Rev. E. G., 82
Rusby, N. L., 336
Ruse, H. S., 165
Rush, N. O., 313
Rushbrooke, G. S., 141
Rushby, J. G., 518
Rushforth, J. M., 55
Rushton, D. G., 332
K. M., 395
M. A., 327
S., 257
W. A. H., 88, 107
Rushworth, E., 569
F. A., 647
Russell, Earl, 107
A. S., 459
B. F., 335
C. S., 509
D. A. F. M., 441, 467
D. C., 141
Rev. D. S., 178
Dorothy S., 336
E. A., 981
Sir E. J., 321
E. W., 435, 451
G., 198
Russell, G. A., 809
G. H., 1033, 1060
J., 255
J. A., 807, 814
J. J., 621
J. K., 145
J. W., 1802
K. F., 998
L. J., 542, 573
M. P., 44
P. C., 570
P. E. L. R., 450, 461
R., 638
R., M.A , 291
R. L., 63
R. S., 451, 463
R. W., 308, 313
W., 637
W. D., 1523
W. R., 453
Russell-Davis, D , 94
Russell-Gebbett, P. S. N., 428
Russell-Smith, J. D. M., 250
Ruston, A. F., 269, 504
Rutenberg, D., 256
Ruth, Rev. N. J., 706, 707, 708
Rutherford, D. E., 646
D. W., 1108
J , 1107
Mrs. M. R , 315
R. S. G., 1043
Rutherglen, J. G., 623
Ruthven, Mrs. D., 790
Rutledge, H., 1060
Rutovitz, D., 1132
Rutter, A. J., 255
Ruttley, E., 1556
Ruxton, B. P., 1504
Ryan, A. A., 691, 700
A. N., 190
Rev. C C , 815
D. E., 743
E., 1792
E. R., 1796, 1797
G. H., 814
H. R., 790
J., L.D.S., 183, 1197
Rev. J., 1786
J. F., 358
J. J., 1793
J. L., 899
K. W., 1033
M. T., 857
P. W. S., 1026
W. D., 882
W. J. L., 275, 1774
Ryburn, Rev. H. J., 1095
Rycroft, D. K., 293
H. B., 1131
Ryder, D. E., 700
E. C., 123, 140
Rev. E. T., 526, 546
N. B., 925
N. V., 1112
Rydon, H. N., 411
Ryke, P. A. J., 1158
Rykert, H. E., 931
Rylands, C. A., 290
G. H. W., 83, 101
Ryle, G., 448, 463, 573
M., 88, 107
Ryley, D. J., 194
Rymer, G. M., 699
Ryrie, B. J., 1140
T. B., 495
Rzoska, J., 1557

Saad, S., 1556
Sabapathi, V., 1253
Sabarwal, K., 1343
Sabbagha, N. G., 1163
Sabean, A. T., 899
Sabharwal, D. C., 1316, 1319
Sabhawal, H. N., 1227
Sachder, G. S., 1226
Sacker, H. D., 100
Sacks, M. I., 1136
S., 1135, 1202
T. G., 1136
Sadana, R., 1440
Sadanah, K. I., 1304
Sadarangani, H. I., 1309, 1311
Sadasivan, C. S , 1355
T. S., 1348, 1358
Saddler, W., 1100
Sadekar, V. D., 1385
Sadeque, Mrs. M. F , 1465
Sadie, J. L., 1186
Sadler, B., 986
G. W., 695
Sadruddin, S. M., 1403
Saer, H. A., 531, 533
Saffran, M., 788
Sagane, M. D., 1373
Sagar, C. E., 176
F. H., 1108
J. A., 1035
Mrs. N. D., 1310
W. L., 927
Sage, J. W., 251
Saggs, H. W. F., 292
Saglam, T., 1804
Sah, J. P., 1339
Saha, B., 1466
H. L., 39
M. N., 1291, 1300
N. C., 1237
N. K., 1310
Sahadutullah, A.H., 1466
Sahai, B., 1225
G., 1221
H., 1342
K., LL.B., 1228
K., M A., 1224
R., 1241
V., 1304
Sahal, P. C., 1413
Sahane, V. A., 1386
Saharia, G. S., 1304
Sahasrabudhe, K. R., 1368
N. S., 1376
Sahay, J., 1401
K. N., 1277
Sahava, S., xxx, 1274
S., M.Ed., 1402
Sahgal, A. C., 1221, 1230
K. N., 1268
Sahi, H. P., 1224
Sahkari, V. D., 1280

Sahoo, R. M., 1435
Sahramonian, S., 1305
Sahu, R. N., 1435
S., 1435, 1436, 1438
S. R., 1372
Saif-ud-Din, 1328
Saifullah, M., 1466
Saikia, K. N., 1316
Saini, H. R., 1398
R. S , 1423
Sainsbury, A. B , 121
D. W. B., 287
K. A. F., 983
Saint-Arnaud, B.A., 860
St. Clair-Sobell, J. O., 723
St. David's, Bishop of, 579
Saint-Denis, Rev. H., 865
St. Francis, Sr. M., 919
St. George-Marie, Sr., 866
St. Hilaire, A., 764
St. Hill, C. A., 195, 196
St. Jacques, A , 764, 772
J., 766
St. John, H. B., 937
Sr. M., 918
St. John-Stevas, N. A. F., 265
St. Johnston, C. R., 40
St. Joseph, J. K. S., 78, 106
St. Leon, R. P. F., 1033
St. Magdalen, Sr. M , 921
St. Mary Donald, Sr., 889
St. Michael Sr., 889
Saint-Onge, G., 832
St. Pierre, J., 826
St -Pierre, M., 758
St. Stanislaus, Sr. M., 918
St Veronica, Sr., 890
St. Winnefride, Sr., 890
Ste.-Claire-Martyre, Sr., 763
Ste.-Eugénie de-la-Foi, Sr., 763
Ste. Jeanne-de-Jésus, Sr., 763
Ste.-Madeleine-de-Galilée, Sr., 763
Ste -Madeleine de Sacré-Cœur, Sr., 834
Ste. Marguerite-des-Vertus, Sr. 763
Ste.-Marguerite-du-Précieux-Sang, Sr., 763
Sainte-Marie, J., 828
Ste. Marie-Solange, Sr., 763
Ste.- Thérèse- de-la- Foi, Sr., 763, 761
Saito, F., 1098
K., 302
Sajjanlal, Q. A., 1382
Sajnani, N. B., 1418
Sakhawatullah, M., 1491
Saksena, A. B., 1412
B. P., 1240, 1241
B. R., 1241, 1242
K. M., 1422
P. D., 1339
R. C., 1227
R. K., 1240, 1242, 1243
Capt. R. K., 1342
R. N., 1223
R. P., 1223
Saksena, S. B., 1421
S. P., 1226
Salahuddin, 1480
M., 1383
Salam, A., M.Sc., 1384
A., M B., 1389
A., Ph.D., 86, 105
Salaman, M H., 336
Salazar, A. M , 251
Saldanha, M. A., 1372
Sale, R. M., 706
Saleem, M., 1475
Sale, Mother M D. E., 1318
Salgaonkar, V. D., 1265, 1269
Salgar, M. A., 1303
Sali, B R., 1333
Salik, I. D., 1480, 1481
Salim, A., 1234
Mrs. H , 1341
J. B , 1385
M., 1478, 1481
Salingar, L. G., 96
Salisbury, Marquess of, 186, 562
Salkar, S. R , 1332
Salman, Rev. P. D. H., 833
T., 783
Salmon, C. S., 263
E. C., 319
E. T., 799
I. A. D , 1131
J. E., 391
J. T., 1112
P B., 285
Rev. T. N. D. C , 1776
Salmond, J. B., 652
Salt, G , 90, 101
L. E., 466
W. E., 69
W. R , 689
Saltau, R. H., 184
Salter, Rt Hon. Lord, 457
C H., 620
F. M., 691
F. R., 102
K E. W , 1046
K. W , 565
Saltman, A , 250
Saltmarsh, J., 85, 101
Samad, A , 1469
M. A., 1237
Samadi, S. B., 1336
Samal, G. S., 1436
Samant, D. R., 1325
Samantaray, B., 1435
Samarasinghe, E. L., 1456
Sambamurthi, C. M., 1513, 1515
Sambamurti, K., 1247
P., 1349, 1358
Sambandam, C. N., 1252
Sambasiva Rao, K., 1246
Sambasivan, S., 1252
Samek, R. A., 1000
Samis, C. S., 721
Samiullah, 1388
Mrs., 1487
Sammons, H. G., 42
Sammuel, R., 1235
Sampath, S., 1446
Sampson, D. G., 722
H. F., 1180
P., 809
R. V., 59
Samson, E., 769
H , 761
M., 758
M., M.D., 767, 769
R., 895
Samuel, G., 693, 700
G. R., 1355
M. S , 1382
R H., 53, 134, 1002, 1017
Samuels, H. A., 519
H. J., 1151, 1154
H. L , 690
L. H., 1194
M. L., 598
Sanchagrin, Rev. R., 859
Sandall, F. A., 1105
Sandars, D. F., 1035
Sandbach, F. H., 81, 107
Sandberg, H., 840
Sander, E., 1158
K. F., 91
Sanders, A. G , 453, 463
B D , 36
C , 1069, 1072
D. M , 38
H. G , 1501, 1559
H W , 982
I. J., 531
J. H., 449
Rev. J. N., 82, 103
T. R. B., 98
Sanderson, A. R., 648
A. W , 147
G., 195, 196
G N., 1556
M., 941
P. M. 345
Sandesara, B. J., 1265
Sandford, K. S., 444, 469
Sandhu, Mrs. S., 1305
Sandifer, D. A. N , 32
Sandiford, J. St. A., 1027
Sandil, J. B., 1324
Sandilands, J., 610
M. M., 429
Sandin, R. B , 689
Sandison, A. T., 628
Sandmann, M., 1543
Sandon, H., 1555, 1557
Sandosham, A. A., 1514
Sandry, R. J., 66
Sands, C. A., 729
E. R., 89, 99
R., 1143
Sandstrom, A. E., 573
Sandys, O. C., 1557
Sandys-Wood, A. L., 128, 131
Saner, R. G., 1201
Sangameswara Rao, 1247
Sanger, F., 102
Sanghi, G., 1386
I., 1387
V. K., 1373
Sanghvi, S., 1322
Sangowicz, M., 827

Sangster, A. K., 981
A. W., 1542
Sanjana, M. K., 1284
Sanjayya, 1387
Sanjivi, K. S., 1355
Sankar, C. N. B., 1436
Sankaralingam, S., 1303
Sankaramurthi, Mrs. P., 1254
Sankaran, A., 1352
R., 1225
Sankaranarayanan, G., 1253
P., 1351
Sankey, Mrs. V. D., 263
Sanmarti, Rev. J., 1283
Sanouillet, M., 920
Sansome, Mrs E. R , 1529
F. W., 1528
Sansregret, E., 831
Santapau, Rev. H., 1283
Santha, E. K., 1430
Santhappa, M., 1348
Santler, J. E. G., 299
Sanwal, B. D., 1303
Mrs. H. M., 1342
Sanyal, D. K., Calc., 1292
D. K., Delhi, 1307
J., 1440
P. C., 1293
R N., 1224
S. N., 1396, 1398
Saodekar, G. G., 1377
Saparamadu, S , 1453
Sapegin, G., 942
Sapeika, N., 1133
Sapiano, Most Rev. J., 1520
Sapne, P. M., 1389
Sapra, P. G., 1269
Sapre, D. G., 1225
P. B , 1324
S. N., 1284
Sapru, L. N., 1329
P. N., 1242, 1243
T. N., 1241
Sapsford, C. M., 1027
C. S., 1046
Sara, H. J., 520
Sarabhai, V. A., 1323
Saradamma, C., 1430
Saraf, B. L., 1421, 1422
J. R., 1339
Saran, A. K., 1337
K., 1277
N., 1226
P., 1307
Sarangapani, G., 1255
S., 1317
Saranjame, R. B. R. D., 1373
Saraswat, H. C., 1226
Saraswati, K., 1297
M. G. B., 1389
Sarathchandra, E. R. de S., 1453
Sarathy, K. P., 1355
Sarault, G. E., 761
Saravanaperumal, V., 1255
Sarcar, D. C., 1236
Sardar, R. A., 1468
Sardesai, V. V., 1375
Sareen, S. L., 1227
Sarfuddin, M., 1373
Sargan, J. D., 163
Sargant, W. W., 359
Sargeant, Mrs. D., 1005
G. M., 1137
T. R., 728
Sargeaunt, M. J., 277
Sargent, B. W., 873
J. D., 1119
J. R., 442, 470
W. L. C., 246
Sarginson, E. J., 506
Sariff, S. J., 1203
Sarim, A. S., 1478
Sarjant, R. J., 515
Sarkar, A. K., 1453
B B , 1292
B K., 1306
H B., 1296
H. L , 1311
K. C., 1336, 1339, 1344
M , 1434
M N., 1294
N. K., 1293
N. K., Ceylon, 1452
P. B., 1290
R. N., 1296
S C , 1439
S K., 1312
S K , Raj , 1412
S. S. G., 1435
U. C., 1393
Sarkin, T , 1136
Sarma, A. K., 1316
J , 1317, 1318
J. C., 1466
P. C , 1316
P. L. N., 1382, 1387
R., 1306
R. R., 1317
S. N , 1316, 1317
Sarmiento, E., 546
Sarnoff, S. J., 376
Saroj, B. B., 1311
R., 1304
Saroja, Mrs. K., 1253
Saroop, R., 1311
Sarrailh, J., 1803
Sarrasin, J. J., 912
Sartain, W J., 96, 106
Sarup, B., 1309
B. P., 1395
Sarveswara Rao, B., 1245
Sarwar, C. M., 1487
G., 1483
S., 1481
S. M., 1482, 1484
Sarwari, A. Q., 1383
Sarwr, K. M., 1483
Sasnur, H. T., 1332
Sass, G., 1397
Sastri, C. S., 1250
D. V., 1246
K., 1305
K. A. N., 1518
K. V. S., 1350
M. G., 1249
M. P., 1302
M. R., 1351
N. M., 1292
P. S., 1422
Sastri, S. R., 1350
T. S., 1387
V., 1249
Sastrigal, B. S. K., 1357
Sastry, B. R., 1388
G. H., 1250
K. R. R., 1241
N. S., 313, 1363
N. S. N., 1445
P. A., 1434
P. S., 1332
T. R R., 1351
Sasturker, J., 1387
Satchell, G. H., 1092, 1098
Satchidanandam, V., 1253
Satchidanandamurty, K., 1246
Satgur Charan, 1411
Sathasivam, A,. 1453
Sathaye, S. G., 1219
Sathe, A. B., 1374
N. D., 1377
N. M., 1389
V. D , 1369
Sathianatha Ayyar, R., 1253
Sathyagirinathan, P. G., 1364
Satsangi, P. P , 1223
Satur, D. M., 1342
Satwalekar, S. D., 1389
Satya, A. M., 1355
Satyagirinathan, P. G., 1361
Satyamurthy, V., 1255
Satyanarayan, M., 1322
Satyanarayana, C., 1355
C., M.Sc., 1387
R., 1385
Satyanarayanamurty, B., 1247, 1251
P., 1247, 1251
Satyanarayen Rao, T., 1381
Saucier, J., 831
R., 769
Sauermann, J. D., 1186
Saul, S. B., 188, 192
V. A., 777
Saulnier, G., 769
Saunders, A. R., 1146
B C., 81, 102
D. A. L., 999
D. B., 808
E. E., 912
E. J., 117
F. W., 398
H. R., 620
I. B., 1051
J. A., 146
J. C., 1793
J. J., 1100
J. T., xxxi, xxxiii, 96, 118, 1528
J. W., 177
L., 297
L. G., 903
L. H. C., 854
M. G., 813
O. A., 256
R. G., 567
R. L. de C. H., 743, 750
R. M., 922
T. R., 148
W. L., 44

Saunderson, H. H., xxix, 806
Sauney, M. L., 1414
Saunsbury, P., 663
Sauriol, P., 828
Sauve, E., 935
Sauvé, I., 833
N., 862
Savage, A., 811
A. D., 777
C. H., 686
C I., 644
J., 632
R. J. G., 60
Savard, D., 923
Savan, Mgr. F. A., 761, 762, 771, 772
L., 767
Savarirayan, S. J., 1322
Savary, R., 763
Savery, Mrs. B., 718
B., 722
Savigear, R. A. G., 503
Saville, D. P., 1557
J., 154
Savin, L. H., 332
Savithri, S. D., 1249
Savory, R. M., 292
Savur, S. R., 1246
Saw, R. L., 521
Sawalapurkar, P. K., 1373
Sawangikar, B. K., 1374
Sawatsky, J. C., 925
Sawer, G., 994
Sawers, W. C., 1051
Sawhney, B., 1306
B. S., 1397
Sawyer, A. E., 718
D. B., 1091
F. H., 517
H. D., 258
Mrs. M. E. M., 875
V., 737
W. R., 881
W. W., 1100
Saxby, C. O., 35
Saxena, B., 1307
B. B. L., 1225
B. P., 1223, 1224
B. S., Agra, 1225
B. S., Alig., 1238
D. K., 1305
G. M., 1304
H. B., 1226
H. C., 1308
J. S., 1227
K. L., 1225
K. R., 1387
K. S., 1311
L. C., 1411
M., 1387
M. C., M.A , LL.B., 1229
M. C., M.Sc., 1339
M. N., 1418
M. R., M.A., 1224
M. R., Ph.D., 1384
O. K., 1228
P. K., 1337
Mrs. P. M., 1307
P. S., 1229
Saxena, R., 1224
R. B., 1421
R. C., 1310
R. D., 1221
R. N., 1224
S., 1343
S. D., 1229
S. K., B.Sc., 1266
S. K., M.A., 1310
S. S., M.Com., 1414
S. S., M.Sc., 1225
S. S., Ph.D., 1225
Saxl, H., 170
Saxton, G. D., 729
J. A., 256
W. E., 1529
Say, M. G., 610
Sayal, G. P., 1222
Sayce, Mrs. O. L., 444, 473
R. A., 444, 463, 470
R. U., 395, 415
Saydon, Very Rev. P. P., 1520
Sayed, J. W., 1493
Sayeed, A., 1402
A. F. M., 1467
K. B., 1468
M J M., 1353
Sayeeduddin, M , 1384
Sayer, Rev C. A., 122
Sayers, E. G., 1095
J., 32, 53
R. S., 272, 435
Sayigh, T., 94
Sayle, G. O., 949
Sayle-Creer, W., 411
Sayles, G. O., 583, 670, 671
Sayons, K. M. T., 810
Scadding, J. G., 370, 378
Scagel, R. F., 715
Scales, D. P., 1076
Scamell, E. H., 305
Scammell, F. E., 851
G. V., 129
H. L., 748
W. M., 537
Scandrett, F. J., 604
Scarborough, H., 556
Scarbrough, Earl of, 290
Scarf, F., 993
Scarfe, F. H., 620, 631
N., 569
N. V., 806, 808
Scarff, G. R., 64
R. W., 339
Scargill, M. H., 691, 700
Scaria, P. C., 1350
Scarlett, E. P., 688
G. Y. D., 1071
Scarrow, G. D., 197
Schabort, J. W., 1201
Schade, R. O. K., 146
Schaffelburg, B. S., 911
Schaffer, B., 520
W., 1133
Schafroth, M. R., 1045
Schaltenbrand, G., 380
Schapera, I., 270, 456
R., 1199
Scharfe, E. E., 787
Scheepers, G. H., 1164
Scheffler, T. B., 1188
Schelpe, Mrs. A., 1131
E. A., 1131
Schenk, H. G. A. V., 449
Scherk, P., 904
Scherrer, A., 840
Scheukman, A. J., 1278
Scheurwegh, Prof., 151
Scheyer, E., 1773
Schgal, N., 1236
Schickerling, H. A., 1182
Schiedel, I. H., 718
Schiff, H., 693
H. I., 776
Schiffer, G. R., 413
Schild, Rev. H., 1783
H. O., 306, 313
Schilling, R. S. F., 408
Schilz, W. E., 1163
Schimmer, F. C., 318
Schippel, W. H., 783
Schirmer, W., 53
Schlapp, R., 599
W., 402, 418
Schlebusch, B. J., 1165
Schlegelmilch, W., 531
Schlesinger, B. E., 363, 370
R. J. A., 624
Schlumberger, B. J., 304
Schmidt, A. A., 1152
A. H., 1152
G., 949
N. O., 1549
O. A., 812
W. H. O., 1143
W. K., 699
Schmidt-Ihms, M., 1144
Schmieder, O., 1475
Schmitt, G. R., 904
Schneider, B. A. T., 1183
E., 435
E. E., 141
H., 660
R., 42
T., 1201
Schnieden, H., 66
Schockaert, Rev. A., 1276
Schoeman, C. F., 1157
D. J., 1194
G. P., 1155
P. J., 1167
Schoemperlen, C. B., 812
Schofield, A. E., 506
B., 146, 151
F. W., 942
G. C., 1093
J., 364
Rev. J. N., 82
K., 562
R. K., 392
T. L., 197
Scholastica, Sr. M., 1403
Scholes, G., 137
Scholfield, A. F., 101
Scholtens, J. E., 1195
Scholtz, D. L., 1187
H. v. d. M., 1151, 1163
J., 175

Scholtz, J du P., 1133
J. E. R., 501
Schonell, F. J., 1022, 1032, 1037
Schonland, B. F. J., 1177
D., 519
Schott, C., 949
Schrag, A. R., 695
Schram, O. K., 598
Schrecker, K. A., 1167
Schreiber, J , 780
M. S., 1052
Schrire, V., 1135
Schroder, J. D., 942
Schroeder, P. A., 1101
Schubert, E. J., 861
Schuddeboom, F. J., 1144
Schulenburg, C. A. R., 1169
Schuler, G. M. K., 1185
Schulman, J. H., 82, 108
Schulz, J., 1020
K. C. A., 1170
Schulze, H. G., 1156
Schumann, C. G. W., 1185, 1190
D. E. W., 1186
Schuren, A. F., 796
Schurer, H., 274
Schutte, B. C., 1156
C. J. H., 1158
Schütte, K. H., 1131
Schwabe, W. W., 259
Schwartz, D., 913
H. H., 913
M. B., 1201
Schwarz, W., 304
Schwarzacher, W., 659
Schwarzenberger, G., 305
Schwarzschild, L. A., 444
Schwass, R. H., 1119
Schweikerdt, H. G. W., 1163
Schweizer, W. R., 426
Schwella, M. C., 1153
Schwerdtfeger, H. W. E., 1003
Schwietering, K. F. J., 1178
Sciama, D. W. S., 108
Scindia, Sir G J. R., 1258
Scipio, S., 912
Sclare, A. B., 629
I. M., 629
Sclater, J. G., 607
Scobie, A. M. A., 1053
R. H., 1105
Scogings, D. A., 1145
Scoins, H. I., 141
Scollay, E. J., 995
Scoon, J. H., 87
Scorer, R. S., 258
Scorgie, N. J., 287
Scot, D. L., 1484
Scothorne, R. J., 617
Scotland, W. H. D., 1536
Scotson, F. H., 405, 411
Scott, A., 758
A. D., 275, 716
A. L., 695
A. M., 624, 628
A. S., 408
A. W., 638
B. I. H., 1064
Scott, C. E., 607
D., 404
Mrs. D., 1503
D. B., M.A., 265
D. B., Ph.D., 693
D. F. S., 128
D. G., 650
D. J. R., 399
D. L , 812
D. M., 959
D. R., 427
D. S., 715
Rev. E., 711
E. H., 793
E. J. W., 621
E. M., 132
F. R., 783
F. R. F., 102
F. S., 503
G. D., M.D., 875
G. D., Ph.D., 924
Sir G. G., 187
G. I., 607
H., 725
H. J. M., 148
H. R., 780
H. W., 1143
J., 576
J. C., 454
J. D., 1146
J. E., 409
J. F., M.A., 515
J. F , Ph.D., 645
J. H., 657
J. M. C., 88
J. R., 939
J. S., 196
John W., 688
J. W., B.A., 299
J. W., M.A., 933
J. W., M.D., 700
J. W., South., 519
K., 92, 105
K. J., 1112
L., 998
L. D. W., 628
L. I., 161
M., 686
Very Rev. M. A. M., 987
M. D., 356
M. I., 96
N. C., 293
P., 1063
Rev. P., 414
P. D., 371
P. M., 564
Mrs. P. P., 346
Prof. R., 950
R., B.Sc., 429
R., M.D., 603
R. B., 349
R. B. Y., 782
S. A., 664
T. H., 1101
W. A., 1005
W. A. G., 1001
W. C. M., 371
W. E., 178
Rev. W. M., 1296
Rev. W. M. F., 188, 199
Scott, W. N. C., 1007
Scott-Brown, W. G., 345
Scott-James, Mrs. P. H. J., 272
Scott-Millar, J. W., 1203
Scoular, L. G., 634
Scourse, J. C., 285
Scovil, H. E. D., 723
Scowen, E. F., 349, 350
Scratcherd, T., 146
Screech, M. A., 33
Scrimgeour, C. A., 456
Scriven, H. C., 274
Scrivener, L., 148
Scriver, Mrs. J. B., 787
W. de M., 785
Scudder, I. B. S., 1356
Scullard, H. H., 265
Scutt, C. A., 1000
P. B., 1068
Seaby, A. W., 500
Seager, A. F., 250
Seagrim, C. V., 99
G. N., 1077
Seah, C. S., 1514
Seal, R. M. E., 558
Seale, M. E., 811
Sealey, B. R. I., 537
V. T., 1007
Sealy, G. H. R., 1136
K. R., 271
Seamer, J., 95
Searle, A. G., 1513
E. J., 1107
H. F., 291
V. H. L., 564
Sears, D. B., 1132
J. W., 848
T. A., 307
E. R., 822
Seaston, Rev. G. J., 1519
Seaton, M. J., 307
Seawright, R. M. F., 1198
Mrs. T. R., 1197
Sebastian, A., 1311
J. J., 1387
M. P., 1350
P. V. R., 1391
V. O., 1349
Sebba, F., 1131
Sebire, I. B., 1046
Secord, W. E., 929
Seddon, H. J., 372, 382
R., 1090
Seear, B. N., 273
Seed, G., 646, 872
G. S., 173
Seeley, E. H., 405
F. F., 240
J. R., 925
R. C., 319
Rev. R. S. K., 951, 952
Seelye, C. J., 1111
R. N., 1106
Seers, D. G., 451
Seetal, E., 1340
Seetaraman, P. N., 1333
Seetharaman, M. A., 1254
Seetharamayya, M., 1245
Seetharamiah, K., 1446

Segal, B., 1198
J. B., 292
P., 1132
W., 1000
Segall, H. N., 786
Segedin, C. M., 1107
M. G., 1107
Seggie, A. P., 937
Segnit, E. R., 982
Segrove, F., 505
Séguin, Rev. C , 827
F , 831
M., 826, 828
Seheult, L. R., 848
Sehgal, A. N , 1309
B. R., 1305
J. M., 1304
Seiler, H. E., 605
Seitz, F., 949
Sekelj, P., 779
Sekhran, K. B., 1387
Seksmith, F. A., 793
Selby, D M., 1048
E., 131
F., 637
Self, G. M., 692, 694
P. J. O., 272
Selfe, F. L., 258
Seliga, S., 647
Selinger, H., 1027
Sellers, A. H., 935
E. A., 931, 933
E. S., 91
Sellon, H. G. R , 564
Sellors, R., 807
T. H., 340
Selman, G. R., 729
I. W., 318, 321
Selmer-Olsen, Prof., 183
Selvanayagam, P., 1454
Selvarajan, N., 1255
Selwyn, A. W., 457, 484
Selye, H., 830, 836
Selzer, G., 1136
Semeonoff, B., 600
Semple, A B , 197
J. G., 211, 265
P., 1790
R., 650
R. E., 875
R. H., 665, 669
R. J., 738
S., 570
W. H., 396
Sen, A., B.L., 1375
A., M.A., 1372
Amya, 1270
Atulananda, 1276
A. B., 1336
A. K., 1294, 1297
A. K., V.-B., 1439
B., 1222
B. R., 1374
D. K., 1306
D. K., Luck., 1336
D. K., M.Sc., 1280
D. L., 1397
G., 1292
I., 1245
J. C., 1393
Sen, J. M., 1291
J. N., 1296
M. N., 1226
N., 1303
Nishikanta, 1439
N. R., 1291
P. C., 1439
P. K., 1290, 1298
R. N., 1291
S., Ph.D., 1291
Miss S., 1395
Mrs S., 1372
S C., B.Sc., 1302, 1308, 1312, 1314
S C., M.B., 1377
S. K., 1293
S. M., 1268
U., 1396
Justice V. R , 1379
Sen Gupta, S. C., 1440
Sen-Gupta, B. C., 1296
S. C , 1241
Senapaty, K. M., 1436
Senécal, L. P., 832
Senevıratne, P., 1453
R. D , 1455
S T., 1451
Senewiratne, V. E. P., 1455
Sengupta, A K , 1372
B., 1285
B C , 1318
P., 1311
S , 1316
Senior, S. A., 1026
W. S., 429
Sereda, M. M., 697
Sergeant, L., 331
Sergi, F. J., 883
Series, G. W., 449, 470
Serjeant, R. B., 292
Serle, A. G., 1002
Serton, P., 1187
Servais, Y., 1792
Seshachar, M. V , 1269
Seshadrı, M , 1362
T. R., 1304, 1312
Seshadri Acharya, V. K , 1254
Seshagıri, P. V. V., 1247
Seshaiya, R. V., 1254
Seshappa, A., 1365
Seth, B. L., 1421
G., 660
K. C. G., 1337
P. K., 1422
R. S., M.B., 1377
R. S., M.S., 1377
S. C., 1379
S. P., 1303
Sethi, B. L., 1227, 1230
K. L., 1394
M. A., 1487
M. I., 1488
M. L., 1396
M. S., 1393
P. C., 1374
R. R., 1393
S. S., 1369
Sethna, D. P., 1282, 1284
S. M., 1264
Sethu Pillai, R. P., 1350
Sethumadhava Rao, V. S., 1253
Sethunarayanan, R., 1255
Sethuraman, V. S., 1253
Seton, F., 474
Seton-Watson, C. I. W., 450, 465
G H. N., 240
Severson, L., 1078
Sevier, J. N., 1050
Sewell, G L., 159, 584
H. Y., 1077
W. G , 1526
Sewter, A. C., 395
Sexana, K. N., 1312
Sexton, C. W. N., 1007
Seymour, E. F. W., 166
H. J., 1790
M., 720
R C., 58
W. D., 33, 54
W. G M., 1144
Seznec, J. J., 443, 457
Sfeir, J. C., 398
Shabde, N. G., 1423
Shackell, R. A., 791
Shackle, G. L. S , 188, 205
Shackleton, A. J., 1091
M., 444, 1195
N. A., 883
R., 444, 459
R. M., 189, 205
Shackman, R , 373
Shadaksharaswamy, M., 1360
Shadanı, W. H. A., 1465, 1468
Shaffer, B M., 108
Shafi, M., Aligarh, 1234, 1236
M., Panjab, 1481
M. M., 1484
S. M., 1234, 1238
Shafiq, M., 1229
S. A., 1466
Shafto, C. E., 143, 144
Shagrass, C., 788
Shah, A., 1328
B. G., 1264
B K., 1324
C. C., M.Sc., 1265
C. C., Ph.D., 1323
C. H , 1279
C. J., 1264
C. N., 1266
C. P., 1267
C. S., 1323
C. T., 1264
H. H., 1268
H. R., 1482, 1484
J. C. M. S. M., 1352
Mrs. J. H., 1305
J. J., 1325
J. M., 1268
K. A., 1321
K. D., 1269
K. H., 1279
K. M., 1325
K. S., 1269
L. B., 1269
M., 1384
M. A. A., 1329
M. J., 1264

Shah, M. L., 1325
M. M., M.A., 1371
M. M., M.Com., 1323
M. M., Ph.D., 1370, 1378
M. S., 1322, 1325
N. A., 1268
N. M., 1322, 1324
P. K., 1285
R. P., 1325
R. V., 1267
Mrs. S., 1269
S. C. R , 1308
S. G. A., 1488
S. G. M., 1477
S. H., 1268
S. J., 1269
S. M., Alig., 1235
S. M., Ph.D., 1280
S. M. H., 1227
Hon. S. M. M., 1493
S S. A., 1483
S. V., 1324
S. Y., 1489
U. P., 1266
V. M , M.A., 1322
V. M., M.B., 1268
Shahabuddin, S. Y., 1384
Shahane, S M., 1374
Shahani, P. B., 1417
Shahid, H , 1386
Shahidullah, M., 1465
Shaikh, A. L., 1476
A M., 1494
B. A , 1481
H. M., 1322
Shakoor, A., 1235
Shakunthala, N., 1354
Shalgaonker, M. R., 1386
Shallard, B. T., 726
Shama Rao, B. N., 1361, 1364
Shami, M. D., 1479
Shams-ud-Din, 1328
Shamshi, T. H., 1325
Shamsi, M. A., 1487
Shamsuddin Qadri, 1385
Shanbhag, B. S., 1333
Shandel, V., 1376
Shandilya, M. L., 1304
Shandro, W. A., 698
Shane, A. G., 748
Shaner, R F., 689
Shankar, G., 1394
H., 1308
S., 1344
Shankaran, V., 1368, 1379
Shanker, U., 1305
Shankland, J. H., 625
R. I., 1307
Shanks, G. L., 810
S. C., 299, 363
Shanmugam, M., 1254
M. K., 1352
Shanmuganahan, S., 1252
Shanmugasundaram, E. R. B., 1348
Mrs. N., 1355
Shanmugham, T. E., 1349
Shannon, E. H., 933
J. G., 789
Shantaveerappa, S. N., 1361
Shapiro, E., 857
I. A., 33
J., 924
L., 786
M. B., 372
M. P., 1203
Mrs. P. C., 37
Shapland, C. D , 363, 371
Sharan, J , 1308
Mrs. N., 1225
Shareef, A., 1385
Sharf, A., 190
Sharfuddin, M., 1384
Sharga, U. S., 1227
Sharif, A., 1465
A. H., 1387
M., 1481
M. M , 1483, 1484
Sharma, A., M.A., 1338
A., Ph D., 1383
A. C., 1368, 1376
A. N , 1227
A. P., 1342
Mrs. B., 1235
B. B., 1336
B. D., 1224
B. D., B.A., 1226
B. K , 1397
B L., Mathura, 1227
B. L., Meerut, 1228
B. M., 1339, 1344
B. N , LL.M., 1340
B N , M.A , 1223
B. R., 1393
C. B., 1339
C. M., 1411
D., 1311
D., D Litt., 1307
D. C., 1392, 1398
D. K., 1368
D. N., 1342
D. V., 1228
G. C., 1226
G. L., 1377, 1378, 1379
G. N., 1306
G. R., B.Sc., 1303
G. R., B.Sc. (Ag.), 1303
G. R , Delhi, 1311
G. R., M A., 1241
G. R., M.O.L., 1311
G. S., 1339, 1344
H. L., 1235
H. S. D., 1377
I. D., 1339
I. P., 1226
J. C., 1339
J. D., 1341
J. G., 1228
J. N., 1227
K., 1311
Kesar, 1309
Miss K., 1373
K. D., 1377
K. K., 1227
K. L., 1228
K. N., 1226
K. N., M.B., 1376
Mrs. L., 1228
L. T., 1333
M. K. N., 1332
Sharma, M. L., 1411
M. P., 1373, 1378
M. R., 1226
N. L., 1342
N. S., 1226
N. V., 1402
P. C., 1317
P. D., 1305
P. N., 1338
R., 1407
R. B., 1221
R. C., 1306, 1309
R. D , 1435
R. K., 1223
R. N., 1260
R. N., M.A , 1403
R. N., M.S., 1343
R. P., 1374
R. S., 1322
S., 1329
S D., 1341
S. K., 1338, 1373
S L , Agra, 1226
S. L., Luck., 1339
S. N., 1224
S. N , D.O C., 1329
S. P., 1222
S. R., LL.B., 1337
S. R., M.Sc., 1384
S. S., Agra, 1227
S. S., Alig., 1235
T. C., 1227
T R., 1221
V. N., 1412
Sharman, B. C., 244
Sharp, A A., 146
A. E., 293
D. E., 273
Dame E., 475
G. B., 1005
G. W. G , 427
H. S., 324
J., 407
J. A., 160
J. I., 139, 141
L. K., 297
L. W., 595, 596
Mrs. M , 60
R. T., 778
S., Bristol, 70
S., W. I., 1544
V., 1542
W., 638
Sharpe, A. G., 81, 100
F. V., 1006
H. S., 620
J., 509
J. W., 639
M. E., 496
W. C., 960
Sharpey-Schafer, E. P., 358
Sharples, C. A., 402
Sharrock, R. I., 518
Shastrakar, V. D., 1376
Shastri, A. V., 1333
C. Y., 1375
D. C., 1222, 1228
D. N., 1227
H. B., 1258
H. G., 1322

Shastri, K. G., 1333
M. C., 1277
N. A., 1374
P. R., 1328
R. B. L., 1226
R. D., 1229
S. N., 1310
Mrs. T., 1375
V., 1258
V. N., 1260
Shattock, P. M. F., 495
Shatwell, K. O., 1048, 1054
Shaukat, S. M., 1488
Shaver, F. W., 787
Shaw, A , 188
A. G. L., 1044, 1053
A. J., 848
B., 42
B. D., 424
C. S., 77
D. M., 800
D. R. D., 1089
Rev. F., 1786
F. H., 1004, 1007
F. R., 568
G., 1024
G. R., 1388
H., L.D.S., 169
H., Ph.D., 1147
I. P., 263, 322
J., 141
J. A. M., 640, 665
J. C. M., 1197, 1205
J C. S., 91
J. H., 1776
K. M., 385
L. A. E., 62
M., M.Eng., 1032, 1037
M., Ph D., 903
Marjorie, 503
Mrs. M. M., 346
P. F. D., 449, 471
R., 177
Miss R., 1202
R. A., B.Sc., 249
R. A., M.A., 1044
R. B., 429
S., 324
S. W., 1328
W. M. H., 173
Shawcross, E. W. H., 332
She, L., 1506
Shea, J. R., 1797
Mrs. M. M., 1796
S., 1796
Sheal, G. S., 1224
Sheane, G. K., 705
Sheard, J. A., 264
P. M., 162
R. W., 941
Shearer, A. R., 714
G., 639
J., 1071
J. G. S., 631
J. O., 1110
M. E. V., 456
W. M., 648
W. S., 605
Sheares, B. H., 1514
Shearman, D. J., 257
Shearman, H. C., 220
Shearn, R. B., 32
Shebeika, M. E. T., 1556
Shebeski, L. H., 811
L. H. J., 910
Shedden-Adam, G. W., 1035
Sheddick, V. G. J., 136
Sheehan, H. L., 196
Sheehy, E. J., 1787
Sheen, F. V., 544
Sheffield, S. H., 1011
Shefford, A. D. E., 362, 364
Shefton, B. B., 562
Shegokar, R. G., 1375
Sheikh, A. A., 1479
N. D., 1480
Shein, L. J., 738, 739
Sheldon, J. H., 40
J. M., 929
S., 1060
W. P. H., 331, 370
Shelford, P. H., 575
Shelke, S., 1373
Shelley, U., 346
Shelstad, K. A., 856
Shemavonekar, G. D., 1389
Shemilt, L. W., 715
Shen, D. W. C., 981
Shende, D. K., 1372
N. J., 1282
Shenfield, Mrs. B. E., 37, 54
Shenoy, B. R., 1321
V. D., 1389
Shenton, D. B., 993
L. R., 413
Shephard, A. H., 926
G. C., 35
R. N., 1132
Shepherd, D. M., B.Sc., 651
D. M., M.A., 798
F. C., 400
G. F., 1197
G. T., 33
H. L , 465
J. A., 205
J. T., 660
K., 1549
R., 821
R. B., 156
R. M. H., 918
R. T., 451
R. W., 1006
W., 649
W. M., 63
Shepherdson, J. C., 61
Sheppard, A., 493
D., 497
E. A., 1106
E. M., 547
F. A., 720
I. G., 244
J. A., 280
J. S., 258
Sir J. T., 101
N. E., 923
P. A., 258, 261, 514
Shepperd, J. A. H., 155
Shepperson, G. A., 599
Sheps, L. J., 913
Shepstone, Hon. D. G., 1142
Sherborne, J. W., 60
Shercliff, J. A., 91
Shergold, N. D., 141
Sheridan, J., 29
Rev. J., 918
L. A., 660
N. R., 1032
P., 1788
Sheriff, A. S., 1363
G. A., 1363
Sherjung, Mrs. N., 1310
Sherlekar, S. A., 1283
Sherlock, M., 688
P. M., 1542, 1544
S. P. V., 370
Sherma, N. P., 1389
Sherman, Mrs. L., 913
Sherrard, G. O., 1787
Sherris, J. C., 406
Sherry, Mrs. G. P., 1222
S. P., 1147
Sherwani, M. Y. K., 1237
R R. K., 1233
Sherwin-White, A. N., 435, 445, 467
Sherwood, A. A., 1048
E. T., 1196
H C., 415
J. E., 1050
P. W., 1512
Sheshagiri Rao, T., 1385
Shete, M. K., 1422
Shetgeri, V. N., 1333
Sheth, N. M., 1264
N. T , 1265
Shevenell, Rev. R., 859, 861, 864, 866, 867
Shewell, M. E. J., 405
Shiach, J. G., 586
Shibayev, V., 1310
Shidore, D. V., 1373
Shields, A. E., 1177
D. C., 353
J., 1548
Shiell, M., 936
Shiggaon, K. L., 1332
Shih, C. C., 919
Shill, O. W., 141
Shilton, R., 175
Shineberg, Mrs. D. L., 1002
Shipley, J. M., 700
V. M., 883
Shipp, E., 1025
G. P., 1044
Shippel, S., 1202
Shire, E. S., 88, 101
Shirgurkar, G. D., 1332
Shirlaw, Mrs. L. H., 208
Shirley, Mrs. F., 707
J., 139
Shirran, A. F., 730
Shishodhia, S. S., 1411
Shitoot, A. D., 1224
Shiva Shankar, P., 1365
Shivaraman, V. P., 1371
Shivas, A. A., 587
M. G., 161
Shizgat, D. T., 782
Shodangi, M., 1246
Shoemaker, J. S., 940

Shoenberg, D., 88, 100, 435
Sholl, D. A., 299
Shone, J. A. V., 171
K., 639
Shook, Very Rev. L. K., 919, 938
Shooter, E. M., 300
R. A., 349
Shoppee, C. W., 550
Shore, A., 327
B. E., 926
S. H., 1383
Shorey, W. P., 939
Short, A. R., 77
D. W., 629
J., 144
J. P., 503
J. R. T., 586
L. N., 1025
P., 138
T. J. R., 508
Shorter, A. H., 563
J., 153
J. M., 1100
Shortliffe, G., 872
Shorto, H. L., 291
Shortreed, J. W. K., 692
Shott, N., 148
Shotton, D. M., 40
E., 297
F. W., 34
Shourie, K. L., 1284
Shovelton, D. S., 30
Showman, W. H., 736
Shreir, L. L., 392
Shrewsbury, J. F. D., 38
Shridevi, S., 1374, 1378
Shrieves, P. M., 1267
Shrikhande, J. G., 1227
S. S., 1373
Shrimali, K. L., 1414
M. L., 1307
Shrimpton, P. M., 274
Shrinarayan, 1370
Shrivastava, G. C., 1423
G. R., 1376
G. S., 1422
J. B., 1372, 1377
K. K., 1379
M. P., 1422
P. K., 1223
P. K., M.A., 1375
P. N., 1372
R. C., 1368
R. K., 1422, 1423
R. P., 1422
S. K., 1224
U. S., 1224
V. P., 1372, 1374
Shrive, F. N., 882
Shriwadkar, K. R., 1389
Shroff, F. R., 1092
H. J., 1282
R., 1388
S. D., 1388
Shrum, G. M., 722
Shucksmith, H. S., 173
Shuel, R. W., 939
Shuh, J. E., 851
Shukla, B. R., 1236
Shukla, B. V., 1423
C. M., 1265, 1269
C. P., 1269
D. K., 1265
D. N., 1339
G. D., 1224
G. N., 1235
G. P., 1224
G. S., 1225
G. S., LL.B., 1368
J. S., 1337
K. N., M.A., 1337
K. N., M.B., 1342
K. S., 1338
Mrs. L., 1311
M., 1340
M. C., 1304
M. L., 1370
N. N., 1265
O. B., 1229
Mrs. P., 1345
P. L., 1223
R. C., M Com., 1224
R. C., M.D., 1342
R. D., 1377
R. M., 1322
R. N., 1377
R. S., 1421, 1422
Ravi Shanker, 1421
Mrs. S., 1338, 1344
S. N., 1336
S. O., 1266
T. N., 1371
T. N., M.A., 1229
U. K., 1338
V., 1340
V. B., 1369
V. N., 1340
Y. P., 1322
Shuleshko, P., 1026
Shunn, J., 1193
Shurey, R. H., 1011
Shute, C. C. D., 79
D., 699
Shutt, D., 125
D. B., 939
Rev. R. J. H., 565
Shuttari, S. H., 1386
Shutter, A. W., 96
Shuttleworth, A. C., 193
R., 174
S. G., 1179
Siassi, A., 1804
Sibaiya, L., 1362, 1364
Sibbons, J. L. H., 503
Sibley, G., 154
O. L. C., 342
W. M., 810
Sibly, T. C. F., 494
Sibree, E. W., 1050
Sibthorpe, E. M., 66
Sidall, R. G., 507
Siday, R. E., 251
Siddalingiah, K. S., 1360
M., 1334
Siddappa, S., 1360
Siddiky, B. A., 1467
Siddiq, A. K. M., 1468
Siddiqi, 1387
A. A., 1234
Siddipi, A. H., Aligarh, 1236
A. H., Osmania, 1389
A. L., 1481
A. M., 1383
E. R., 1234
H., 1387
H. M. A., 1381
J. A., 1235
Mrs. K., 1484
M., 1383
M. A., 1385
M. M., 1386
M. N., 1382
M. R., xxxi, 1487, 1489
M. S., 1487
M. S. H., 1487
M. T., 1223
M. T., M.A., 1329
M. U., 1238
M. Z., 1290
N. A., 1389
O. A., 1235
R. A., 1236
R. A., M.Sc., 1388
S. I., 1475
Z. A., 1235
Z. H., 1228
Siddiqui, A. A., M.A., 1468
A. A., M.Sc., 1466
A. D , 1480
A. H., 1475
M. D., 1481
M. R., 1466
N. U. A., 1467
S. H., 1237
Z. A., 1236
Siddons, A. H. M., 353
Siddorn, J. W., 259
Sidebotham, H., 400
Sideleau, Canon A., 824, 825
Sidgwick, J. R. L., 951
Sidhanta, R., 1337
Sidlauskaus, A., 859, 862
Sidorov, J., 743
Sidrak, S., 1557
Sidwell, E. H., 659
N. C., 610
Sieff, B., 1204
Siemon, S. R., 1101
Sieniewicz, T. M., 748
Sier, E. F., 1006
Sierra Leone, Bishop of, 122
Siew, N. C., 1512, 1515
S., 1199
Siff, A., 1198
I., 1199
Sifton, H. B., 917
Mrs. S., 961
V., 806
Sigerist, H. E., 223, 386
Signori, E., 722
Sigsworth, E. M., 163
P. M. W., 749
Sigurdson, L. A., 806
Sikorski, J., 176
Silber, K., 598
Silberman, S., 1199
Silberston, Z. A., 83
Silcock, H., 192
M., 665

Silcock, T. H., 1511
Sillitto, R. M., 600
Sillman, E. I., 940
Silov, R., 784
Silva, F., 1456
J. F., 1503
Silver, I. A., 95
J. H. F., 643
P. H. S., 339
R. C., 1091
Silverman, B., 785, 788
S. R., 379
Silverstone, H., 1091
M., 198
Silverthorn, M. E., 937
Silverthorne, L. N., 932
Silvester, R., 1096
Silvey, S D., 622
Sim, Mrs. E., 941
J. T. R , 1188
M., 40
R. A., 925
Simard, A., 762
E , 764, 769
L. C., 824
L. P., 769
P. E., 762
R., 767
Raymond, 830
Roland, 830
Simeon, Br., 760
Simes, J. J H., 1025
Simey, T. S., 192, 205, 514
Simha, Mrs. L., 1275
Simkin, C. G. F., 1106
Simlai, B., 1241
Simmers, M., 1132
Simmonds, B. S., 282
E H. S., 291
H. A. T., 234
K. R., 531
N H., 63
N. W., 1549
W. H. C., 151
Simmons, D. A. R., 649
H. T., 411
J., 569
Simms, G. J., 1776
Simon, Baron, 394
B., 569
B. V., 791
E. W., 658
F., 949
Sir F. E., 449, 460
H. F., 291
J. H., 644
K. D., 139
Rev. L. M., 861, 862
Rev. U. E., 322
W., 291
Simon-Reuss, Mrs. I., 94
Simonds, Rt. Hon. Lord, 438
E. F., 1033
F. A., 500
Simonett, D., 426
Simons, A. F. S., 1142
H. A. B., 346
H. J., 1130
W. H., 720
Simonson, Mrs. J. S., 756
Simopoulos, J. C., 448, 471
Simpson, A., 250
A. H., 1101
B., 551
C. A., 454, 459
C. G., 129
C. K., 328
Rev. D. C., 465
D. G., 729
D. H., 692
D. M., 747
E. B., 544
E. S., 189
E S. W., 1133
Rev. F. A , 106
G. A., 787
G. W., 904
H., 246
H E., 143
I. G., 168
I. M., 399
J. A., 628
J. C., 1115
J. D , 1194
J. F., 356
J W., 813
K., 1034
Mrs. L. M., 585
Mrs. M C., 168
M. E., 777
M. S., 691, 700
N. E , 936
R. H., 1177
Mrs. R. M., 1536
S., 60, 76
S J., 430
T. P., 1198
W. D., 580, 630
Rev. W. O., 887
W. W., 726
Simpson-Lee, G. A. J., 1043
Sims, B. J., 137
D. L., 551
L. G. A., 520
Sinah, A. D., 1491
Sinclair, A. C., 812
A. J. M., 1009
A. M., 743
B. S., 1105
C., 466
D. C., 438, 466
D. J., 271
F. D., 1183
G., 927
H. M., 453, 463
I. S. R., 605, 606
J., 546
K., 1107
L., 935
R. F., 139
Sir R. J., 57
R. J. G., 604, 607
R. S. M., 1090
S., 810
S. R., 695
T. A., 657, 658, 666, 667
W. A., 600
Sind, Gov. of, 1493
Prime Min. of, 1493
Sinden, M. J., 921
Sing, K. R., 1317
N. B., 1318
Singer, A. R. E., 35
C. M., 57
K., 1043
M. E., 941
R., 1130
Singh, A., 1310
A., LL.B., 1393
A., M.A , Delhi, 1306
A., M.A., Jammu, 1329
A., M.Sc., 1344
A., M.S.Sc., 1401
A. N., 1338
A. P., 1227
B., 1226
B., B.Sc , (Engg.), 1306
B , C E., 1417
B , LL.B., 1337, 1344
B , M.A., 1309
B , M.Sc., 1221
Balwant, 1396
Bhupal, 1392
B. B., 1400
B. D., 1422
Bassan Darshan, 1324
B. K., 1309
B. M., 1259
B. N., 1402, 1403
B. R., 1224
B. R., Mysore, 7364
B. S., 1227
C. B., 1222
C. P , 1227
C. P. N., 1392
D., LL.B., 1228
D., Delhi, 1309
D., M.A., 1221
D. M.Com., 1227
D K., 1308
D. P., 1339
D. T., 1398
F., 1307
G., 1303
G., B.Sc., 1308
G., M A., Agra, 1227
G., M.A., Delhi, 1308
G., Ph.D., 1306
G. K. M., 1394
Gaya Prasad, 1276
Mrs. G. P., 1396
G. R., 1221
G. S., M.B., 1258
G. S., M.Sc., 1317
H., M.A., 1311
H., M.Sc., 1310
H., Ph D., 1308
H., Jammu, 1328
Harbhajan, 1395
Harkishan, 1396
H. N., 1226
I., 1222
Inder, 1394, 1397
I. D., 37
I. P., 1303
Jagjiwan, 1396
Jagnandan, 1397
Jaswant, 1394, 1397
J., 1398

Singh, J., M.Sc., 1392
J., Ph.D., 1302
J. B., 1393
J. D., 1227
J. N., 1339
J. P., 1223
J. S. M., 1372
K., 1396
K. G., 284
K. P., 1226
L , 1229
L. N., 1224
M., D.Litt , 1393
M., D.O M.S., 1506
M., M.A., 1229
M., M.B., 1236
M., M.Com., 1224
Mahan, 1395
Mahatma, 1224
Mahavir, 1395
M. E. B., 1361
M. P., Agra., 1225
M. P., Alig., 1236
M. P., Ban., 1260
N., LL.B., 1393
N., M.D., 1377
N., M.Sc., 1229
N., Ph.D., 1393
N. D., 1221
N. K., 1225
P., 1309, 1310
Prem, 1394
P. P., 1393
R., 1227
R., Agra, 1221
R , Delhi, 1310
R., Luck., 1339
R., M.A., 1223, 1224
R., M.B., 1418
R., M.Sc., 1221
R., M Sc., Alld., 1229
Miss R., 1344
Ram, 1413
R. A., 1224
R. B. S. B., 1258
R. C., 1401
R. K., 1221
R. L., 1422
R. M. C., 1394
R. N., 1221
R. N., Ph.D., 1226
R. P., B.T., 1337
R. P., D.Litt , 1411
R. P., M.B., 1226
R. P., M.Sc., 1304
Rameshwar Prasad, 1274
R. S. N., 1385
R. U., 1339, 1344
R. V , 1343
S., 1305
S., B.Sc., 1312
S., Luck., 1339
S., LL.B., 1386
S., M.A., Agra, 1221
S., M.A., Delhi, 1306,
S., M.Ed., 1309
S., Ph.D., 1303
Sachdev, 1313
S. B., 1226
S. B., Luck., 1345
Singh, S. C., 1422
S. D., 1226
S. G., 1434
S. I., 1395
S. K., 1223
Mrs. S. K. A., 1396, 1398
S. L., 1402
S. M., 1221
S. M., D.Litt., 1229
Mrs. S. M., 1308
S. N., 1221
S. N , M.Sc., 1337
S. P., 1277
S. P., M.Sc , 1374
S. R., 1417
S. V., 1339
T., Delhi, 1310
T., LL B., 1393
T., M.Sc., 1224
T. C. N., 1252
T. D , 1388
T. N., 1402
T R., 1384
T. S. B , 1376
U., 1305
Uttam, 1306
V., 1373
V. B., 1337
V. D., Delhi, 1310
V. D , M A., 1370
V P., M.A., 1235
V. P., M.Sc , 1303
V. P., Ph.D., 1307, 1310
W. P , 1267
Singha, Mrs S. F., 1386
Singhal, G N., 1413
J. P., M.A., 1228
J. P., M.Sc., 1237
K. S , 1227
M. K., 1308
Singlehurst-Ward, L., 392
Singleton, A C., 933
A. G., 193
D C., 430
J. A., 1118
W. A., 395
Sinha, A. K., 1343
A. S , 1224
A S., Patna, 1402
B. K., 1402, 1403
B L., 1265
B. M., 1228
B. M. K., 1274
B. N., 1342
B. S., 1411
Mrs. C., 1344
D., 1401
D. P., 1452
D. R., 1373
H. N., 1372, 1375, 1378, 1379
Mrs. I. L., 1435
J. N., 1337
J. P., 1403
K. P., 1274, 1276
M., 1228
Mrs. M., 1307
M. P., 1275
Mrs. N., 1292
P. C., 1401
Sinha, R. K., 1401
R. M., 1373, 1375
R. P., 1277
S., 1221
Mrs. S., Delhi, 1311
Mrs. S., Patna, 1402, 1403
S. K., 1228
S. M., M.Sc., 1317
S. M., Ph.D., 1337, 1344
S. N., 1277
S. P., 1227
T P., 1402
Mrs. U., 1402
U. P., 1402
Sinhval, S. D., 1338
Sinker, P. T., 96
Sinnarkar, N. P., 1368
Sinnatamby, A., 1455
Sinnetamby, G. S., 1456
Sinnhuber, K. A., 304
Sinor, D., 94
Sinton, J. A., 657, 670
Sipherd, L. W., 957
Sippel, J. J., 1186
Sipprell, H. F., 683
Siqueria, Rev. T. N , 1351
Sirajuddin, S., 1382
Sirasankaran, T., 1253
Sircar, L. M., 1434
M. K., 1311
S. C., 1308
S M., 1303
Sirdesai, M , 1388
Sirwardena, P. P. G. L., 1451
Sirois, A., 758
J., 768
L., 766
Siromani, B. L., 1491
Sirsi, M , 1447
Sisam, C , 472
J. W. B , 920, 945
Sise, H. E., 780
Sisler, G. C., 813
Sisson, C. J , 33
Sissons, H. A., 372
Sitapati Rao, D., 1247
Sitaram, R., 1324
Sitarama Rao, V., 1248
Sitaramaiah, C , 1434
Sitaraman, M. V., 1253
Sitaramaya, V., 1362
Sitaramiah, K. B., 1253
Sitwell, Rev. F. G., 471
Sivalingam, S., 1455
V., 1455
Sivan, R , 167
Sivaprakasapillai, T., 1452
Sivaramakrishna Sastriar, K. A., 1254
Sivaraman Nair, P. S., 1432
U., 1428
Sivasubrahmanya Pillai, T. N., 1253
Sivasubramanian, A. S., 1255
L. R., 1302, 1307, 1314
Sivavadivel Pillai, K. S., 1253
Sivertz, C., 958
Sixsmith, H., 495
Skapinker, S., 1204
Skeats, E. W., 1017

Skeffington, O. L. S, 1770, 1773
Skelding, A. D., 29
Skelly, J. K., 665
Skelton, R., 398
Skemp, J. B., 127
Skempton, A. W., 256, 514
Skene, M, 58
Skeoch, L. A., 737
Skerman, P. J., 1031
V. B. D., 1035
Skewes, S., 1132
Skilbeck, D., 318, 321
Skillend, W. E., 292
Skilliter, S. A., 96
Skinner, G. F., 749
H. A, D.Phil., 396
H. A., M.B., 959
H. W. B., 191
N. J., 1529
Skinsnes, O K., 1505
Skipper, E. W., 508
Skirrow, G., 188
Skitch, C. H., 788
Sklaroff, S A., 605
Skutsch, O., 302
Skwarczyński, P., 240
Slack, G. L., 193
H. D., 624
K. N., 273
Z., 936, 938
Sladden, E. M., 132
Slade, B. F., 1089
C. F., 494
E., 452, 467
H. C., 726
Slater, D. W., 874
E, 761
E. T. O., 371
H. M., 784
J. K., 604, 606
L., 128, 130
N. B., 165
Rev. R. G., 1226
Rev. R. H. L., 782, 793
S. N., 1110
W. J., 36
Slatis, H. M., 777
Slattery, Rev. W. J., 471
Slaughter, C., 167
Slay, D., 531
Slebarski, T., 643
Sledge, Mrs. M., 177
W. A., 161
Slee, A. T. C., 1178
Sleeman, C. M., 103
J. F., 623
Sleigh, G. F., 691
Slemon, G. R., 853
Slessor, A., 627
K., 1052
Slinger, S. J., 940
Slinn, D. J., 199
Sloan, A. W., 623
A. W., Cape Town, 1133
D., 1143
J., 665
Sloane, J. F., 62, 70
R. H., 660
Sloat, R. D., 882
Sloman, A. E., 190
Sloss, D. J., 1502
Sluckin, W., 129, 141
Sluiscremer, G. K., 1201
Smail, R. C., 85, 106
Smailes, A. E., 280, 313
Smaill, S. S., 782
Smails, R. G. H., 871
Small, A. J., 625
C. W., 683
E., 1119
J., 625
J. M., 40
R. J., 518
R. W. H., 29
V. J, 191
W. D., 912
Smalley, B., 445, 473
Smallfield, H. A., 940
Smallman, F B. R., 427
Smallpeice, V., 452
Smallwood, A. L., 64
E. M., 658
W. C., 40, 41
Smart, A. B., 631
G. A., 145, 151
J., 90
J J. C., 983
P. A. M., 156
R, 610
R. N., 532
W. M., 618
Smeall, J. L., 566
Smee, D. K., 245
Smeed, C. W. J., 300
Smellie, J. M., 41
K. B., 272
R. M. S., 618
Smethurst, S. E., 871
Smieton, M. J., 255
Smiles, S., 269
Smiley, J. A., 663
R. K., 863
Smillie, I. S., 650
Smirk, F. H., 1094, 1098
Smit, A., 1153
A D., 1202
A. F. J., 1524
C., 1167
C. B, 1183
G. J., 1136
J, 1002
J. D., 1170
J. N., 1186
N. P., 1194
Smith, A., B.A., 894
A. LL.B., 692
A., M.A., 652
A., O.B.E., 1555, 1558
Prof. A., 1530
A. B., 607
A. C., 256
A. E., M.A., 430
A. Elliot, 454
A. G., 658
A. H., xxix, 438
A. H., D.Lit., 303, 308
A. H., LL.D., 464
A. H., Ph.D., 874
Smith, A. J., B.S.A., 801
A. J., M.A., 146
A. M., 601, 611
A. M. H., 231
A. N., 142
A. T., 1010
B. B., 450
B. E. Q., 121
B. O., 77
B. R. E., 743
Rev. B. T. D., 106
C., Ph.D., 304
Courtney, 483
C. A., B.Comm., 1186
C. A., LL.M., 501
C. A. B., 303
C. C., 167
C. E., 902, 903
C. G., M.A., 444
C. G., M.D., 930
C. G., Ph.D., 391
C. J., 285
C. L., B.Sc., 193
C. L., M.A., 94
C. T., 84
C. V., 1089
D., B.Sc., 507
D., M.B., 1007
D., M D., 628
Prof. D., 422
D. C , 404
D. C. A., 57
D. D., 913, 914
D. D., Glas., 626
D. E., 693
D. H., M.D., 651
D. H., Ph.D., 285, 392
Rev. D. H., 44
D. J., B.A., 1513
D. J., Ph.D., 137
D. L. T., 941
D. M., 85, 103
Dorothy M., 422, 500
Mrs. D. N. A., 169
D. P., 69
D. P. J., 1157
D. R., 332
Sir D. S., 1086
D. W., 1011
E., 415
E., B.Litt., 492
E. A., Canada, 927, 950
E. A., M.A., 494
E. A., M.B., 43
E. C., 683
E. H. F., 446, 470
E. J., 307
E. K., 1147
E. M., 456
E. P., 644, 649
E. R., 353
E. S., 789
E. T., 1064
F. G., M.A., 88, 98
F. G., M.Sc., 921
F. J. K., 235
F. M., 138
F. McI., 786
F. V., 129, 141, 146
G., B.Sc., 194

Smith, G., M.B., 629
G., S.A., 1147
Gola, 1396
G. B., 205
G. C., 87
G. F., M.Sc., 162
Gwen F., 510
G. G., M.D., 726
G. G., M.Sc., 1068
G. H., 80, 650
G. H. T., 187
G. I., 1523
G. P., 537
G. R., 851
G. W. R , 1549
H. A., L.D.S., 143
H. A., Ph.D., 33
H. B., 423
H. D., 753
H. E., 688, 690
H. E., S.A., 1204
H. G., 175, 183
H. H., 1177
H. J., B.Pharm, 297
Helen J., 630
H. K., 398
H. L., 373
Hon. H. M. V., 453, 473
H. P., 488
H. S., 94
H. W., 933
I., 597, 611
Innes, 595
I. A., 644
I. C., 624, 631
I. H., 961, 1002
I. M., 138
I. W., 928
J., D.Sc., 588
Joan, 583
J. A., 941
J. A. B., 618
J. A. M., 77
J. A. McC., 408
J. A. S., 161
J. C., LL.B., 427
J. C., Ph.D., 440
J. D., 1025
J. E., 281
J. E., B.Sc., 287
J. F., 358
J. G., M.A., 721
J. G., M.Sc., 1185
J. H., 586
J. H. G., 718
J. I., L.D.S., 555
J. I., LL.B., 621
J. L. B., 1178
J. L. S., 408, 409
J. M., 309
J. N., 355
J. Pitchford, 506
J. P., M.B., 409
J. P., Ph.D., 903
J. R., 791
Rev. J. S. B., 104
J. V., 87
J. W., D.Sc., 244
J. W., M.D., 643
Rev. J. W. D., 597
Smith, K. F., 88
K. S., LL.B., 746
K. Shirley, 324
L., M.A., 69
Louise, 811
L. J., B.Sc., 913
L. J., M.A., 592
Marjorie, 260
May, 251
Mrs M. B., 718
M. D., 920, 944, 945
M. G., M.A., 147
M. G., Ph.D., 1544
M. J., 723
M. J. H., 332
M. K., 985
M. M., 176
Margaret S., 319
Mary S , 626
Marjorie V., 729
M. V., B.S.A., 939
M. W., 270
Mrs. M. W., 300
N. E., 913
N. H., 426
N. H. P., 412
N. M., 77
O. E., 42
P., 832
P. L., 413
P. W. G., 256
R , B.Met E., 1008
Ruth, 912
R. A , 129
R A , B.Sc., 1020
R. B. L., 411
R. C., 539
R. C. T., 1020
R. E , 399, 1060
R. H. N., 439
R. J., 663
R. L., 748, 749
R. M., M.A., 95
R. Munro, 194
R. N , 68
R. N., M.A., 717
R. N. W., 647
R. S , 430
R. T., 55
Sir R V., 57
S., Litt. D , 292
S., LL.D., xxx, 916
S., M.D., 67
S., Ph.D., 90, 104
Sir S., 595
Mrs. S. A. J., 940
S. B., 408
S. E. H., 294
Sheila M., 426
Mrs. S. M., 304
T., M.B., 509
T., Ph.D., 584
T. B., Bristol, 70
T. B., M.A., 583
T. B., Ph.D., 502
Lt.-Col. T. B., 592
V. G., 927
W., F.R.S., 362, 364
W., M.A., 189, 201, 205
Smith, Prof. W., 159, 1518
W. C., 205, 782
W. D., 693
W. E., 694
Rev. W. E. L., 872
W. J., F.S.A., 637
Winifred J., 647
W. K., 597
Rev. W. L., 951
W. M., 871
W. O. L., 237
W. S., 1111
W. T., 1007
W. T., M.B., 42
Sir W. W., 596
W. Y., 847
Smith-White, S., 1042
W. B., 1044
Smithells, P. A., 1092, 1096
Smithen, Rev. F. J., 38
Smithers, D. W., 372
G. V., 442, 464
Smithies, F., 86, 104
Smithson, F., 540
Smoleniec, S., 1032
Smout, C. F. V., 28, 38
Smurthwaite, J., 1772
Smuts, F., 1185
I. J., 1145
M., 1162
S., 1158
S. J., 1523
Smyth, Canon C. H. E., 98
C. P., 949
D. H., 505
E. S., 318, 319
G. G. E., 408
J. D., 1771, 1773
J. E., 871
K. C., 343
R. L., 154
W. R., 550
Smythe, B. W., 1102
H. J. D., 65
L. E., 1062
P. M., 1135, 1139
Snaith, L. M., 145
Snawdon, J. W. E., 63
Snead, C., 44
Sneath, R. S., 501
Sneddon, E., 1145, 1147
I. N., 575
Sneeden, O., 638
Snelgrove, G. W., 902
Snell, C., 302
J. F., 796
R. S., 263
Snellgrove, D. L., 292
Snelling, C. E., 932
M. D., 340
Snodgrass, C. P., 598
F. T., 848
W. R., 627
Snow, Mrs. C. M., 473
D., 492
D. O., 684
E. R. B., 1397
F., 687
G. R. S., 463

Snowball, S., 163
Snowden, D. C., 176
F. M., 1527
P., 255
Snyder, E. E., 716
E. S., 940
Snyman, H. W., 1169
J J., 1156
P. C., 1167
W. J., 1157
So, M. Y., 1506
Sobukwe, R. M., 1194
Soddy, K., 308
Soden, J. A., 784, 912
Sofin, Mrs. R., 913
Softley, J. W., 193, 194
Sokolyk, Mrs. D. M., 912
Solagram, Rev. A., 1283
Solagran, A., 1283
Solaja, Prof., 261
Solandt, D. Y., 933, 934
Solanki, B. R., 1377
Solanky, I. N., 1325
Soler, G., 1519
Solin, C. D., 778
Sollis, C. G , 235
Solomon, H. J., 1003
Solomons, D., 270
Soltam, R. H , 275
Soltynski, R. M , 1131
Soltys, M. A., 95
Somadasa, K. D., 1456
Somalwar, S. G., 1375
Soman, P. R., 1332
R V., 1372
S. V., 1369
Somasundaram, G. D., 1454
K. M., 1252
Somasundaram Pillai, V M., 1254
Somasundram, G., 1388
Somayan, G. J., 1246
V. S., 1249
Somers, E. J., 1100
G. F., 297
Rev. H. J., xxx, 854, 869, 890
Somerset, D., 717, 729
H. C. D , 1111
H. V. F , 446, 469
Somervell, Sir D. B., 457
Somerville, J. M., 1020
M. J., 397
Sommerville, Mrs. A. H., 581
J., 626
M., 1340
T., 649
Sondheimer, E. H , 280
Sonea, S., 830
Soni, M. D., 1324
P. L., 1304
Sonnekus, M. C. H., 1167
Sony, R. G., 1370
Sood, P. C., 1306
Soons, J. M., 620
Soosi, Rev. K. A., 1353
Soper, F. G., xxxi, 1089
J. H., 917
M. H. R., 451
Sörensen, N. A., 422
Sosnowick, H., 62
Souch, A. E., 36
Soucie, Rev. R. E., 894, 895
Soudagar, M. G , 1332
Soukup, L., 624
Soul, S. G., 542
Soule, H., 799
Soulsby, E. J. L., 95
Soundararajan, G., 1350
Souri, Mrs. S. J., 1356
Sousa, J. B., 1503
Soutar, D. S., 589
Mrs M. E , 649
S. F., 651
Southall, A. W., 1536
Southam, A. H., 422
F. L., 169
H. D., 840
Southan, J. E., 230
Southby, R., 1010
Southern, H. N., 451
R. W., 445, 458
Southgate, D. G., 1182
Southwell, P. H., 939
Southwold, M , 1537
Southwood, A R., 985, 1051
H. M , 984
Soward, F. H , 719, 720
Sowerbutts, J A., 392
Sowerby, L., 191
W., 1094
Spain, B., 1773
Spalding, D. B., 256
H. N., 491
K., 538
K. J., 459
Spaner, S., 698
Spann, R. N., 422, 1043, 1053
Spanner, D. C., 255
Sparby, H. T., 691, 700
Spark, T. E. H., 1050
Sparkes, S. R., 256, 261
Sparks, B. W., 84
Rev H. F D., 455, 465
J. V., 65
Sparling, C C., 913
D. W., 787
Sparrow, E. M., 309
J. H. A., 457
W. J , 31
Sparshott, F E , 924
Spate, O. H. K., 994
Spaul, E. A., 167
Spaulding, J. G., 717
W., 333
Speak, L , 220
Speakman, E. G., 42
J. B., 175
J. C., 618
T. J., 698
Spear, C. E., 1100
T. G. P., 106
W. E., 570
Spearman, D., 693
Spears, G. S. F., 1094
Specht, R. L., 980
Spector J., 1549
J. J., 784
Spedding, R. L., 1050
Speed, J. G., 608
Speer, J. G., 235
Speers, W. G., 1064
Speight, G. D., 1107
H., 163
K., 400
N. C., 1094
Speirs, J. H., 563
R. B., 1049
Spekkens, J., 859, 866
Spelman, E. M., 428, 430
Rev. M., 1797
Spelt, J., 921
Spence, A. W., 349
C. C., 136
D. H. N., 618
G. D., 683
Sir J. C., 151
J. W., 1052
M. E., 188
N. C. W., 575
R., 159
R. A., 717
Spence-Sales, H. J., 780
Spencer, A. O., 235
B , 546
C. P., 540
D. M., 319
E., 413
E. W., 904
F., 155
G F., 727
G. J., 724, 734
H., 359
H. A , 699
J. C., 59, 275
L M. G., 220
M. E., 689
M. M , 482
P H., 1543
R. A., 922
R. H., 545
R. W., 66
S. J. G., 146
S. L., 1052
T. J. B., 303
Spendlove, F. St. G., 917
Spens, P. G., 98
Spershott, J. W., 251
Spice, J. E., 188
Spicer, A., 1525
P. J., 457
Spicers, F. W., 170
J. A., 449
J. H., 565
Spies, F. J. du T., 1164
Spigl, H. S., 1069
Spillane, J. D., 556
J. P., 557
Spilman, M. D., 1131
Spilsbury, R. J., 532
Spindler, O., 1022, 1028
Spink, J. S., 245
Spinks, G. T., 76
J. W. T., 902, 903
Spinley, B. M., 1071
Spinner, E., 412
Spire, S. G., 570
Spittle, J. T., 102
Spohn, H., 726

Spohn, P., 726
Spong, A. H., 1131
Spooner, C. E., 412
E. C. R., 983
E. T. C., 384
F. C., 97
J. R., 397
P., 1025
Spoor, A. T., 66
Sporne, K. R., 80, 98
Spracklin, B. G., 911
Sprague, P. H., 696
W. H., 697
Spraos, J., 503
Spratling, F. R., 95
Sprent, J. F. A., 950, 1034
P., 1063
R. A. Le G., 442
Sprigg, R. K., 293
Sprigge, R. G. S., 1524
Spring, D. F., 1007
F. S., 637
Springall, H. D., 574
Springbett, B. M., 810
Springer, H. W., 1542
Sprinks, M. E. 518
Sprinz, R., 506
Sprott, S. E., 777
W. J. H., 427, 431, 436
Sproule, H., 777
J. A., 914
W. H., 940, 942
Sprunt, T., 651
Spry, A. H., 1063
J. C., 937
Spurr, J., 881
T., 686
Spurrell, W. R., 328
Spurway, H., 303
Squire, H. B., 254
J. R., 41
P. S., 89
Squires, A. H., 931
Sraffa, P., 83, 107
Sree, R., 1362
Sree Ramulu, T , 1247
Sreenath, A. V., 1446
Sreenivasan, A., 1289
K., 1446
Sreeramachandramurti, V., 1247
Sreeramamurthy, V. V., 1304
Sridar, K. M., 1351
Srikanta Sastry, S., 1361
Srikantan, B. S., 1355
Srikantiah, L., 1361
T. N., 1331
Srikantiya, T. N., 1362
Srikishen, P. N., 1386
Srinagabhushana, 1365
Srinastava, N. N., 1344
R. K., 1344
R. P., 1341
R. S. L., 1343
T. N., 1337
Srinavasamurti, B., 1255
Srinivas, M. N., 1267
Srinivasa Iyengar, K. R., 1245
Srinivasa Rao, M. R., 1361
Srinivasa, Rao, P., 1446
Srinivasachari, K., 1254
Srinivasaengar, C. N., 1366
Srinivasan, A., D.Sc., 1280
A., M.Sc., 1356
B., 1280
C., 1252
K., 1254
K. G., 1389
M. R., 1372
N., B.Sc. Econ., 1246
N., M A., 1353
N. R., 1447
P., B Sc., 1447
P., M.Sc., 1385
T., 1351
V., 1361
V. R., 1384
V. T., 1365
Srinivasaraghavan, A., 1353
K., 1362
Srinivasiah, T V., 1266
Sripada Rao, K., 1372
Srirama Das, A., 1247
Sriraman, S., 1254
Srivastava, A. K., 1343
A. L., 1221
B , 1229
B C., 1225
B. N , D.Sc., 1339
B. N., Luck., 1338
B. N., M.A , 1224
D. N , 1223
D. P., 1275
D. S , 1421, 1423
G D., 1240
G. P., 1223
H., 1421
H. G. P., 1337
H. M , 1338
H S., 1224
Mrs. J. N., 1345
J. P., Agra, 1226
J. P., Roorkee, 1418
K. C., 1338
K L., 1224
K. N., 1414
L. N., 1336, 1344
M. D L., 1241
P. L., Agra, 1224
P. L., Alld., 1241
R. C., 1344
R. D., 1337
Mrs. R. D., 1344
R. N. S., 1224
R. P., 1336
R. S., 1342
Mrs. S., 1311
Mrs. S., M.A., 1343
S. N., 1226
V. K., 1235
Srivirarayan Raja, P. K., 1253
Staal, R. A., 848
Stabler, F. E., 145
G. V., 638
Stacey, C. M., 332
F. A., 552
F. D., 723
J. E., 515
M., 29, 55
Stacey, R. S., 359
Staddon, B. W., 547
Stadě, K., 134, 151
Stadelbauer, H. B., 691
Stadler, H. P., 137
K. R., 430
Stafford, E., 405
J. L., 55, 1543
W. H., 596
Stafford-Clark, D., 495
Stagg, G. L., 428
Stahl, E. L., 444, 460
Stahle, I. O., 1010
Stalker, A. L., 587
A. McT., 782, 784
Rev. D. M. G., 596
M. R., 786
Stallard, H. B., 350, 371
Stalley, D. J., 1032
Stallworthy, J. A., 453
W. B., 839
Stamm, T. T., 328
Stammers, A. F., 31
F. A. R., 43
Stamp, Lord, 372
L. D., 271
Stampfer, Rabbi J , 809
Stanbridge, Rev. L. C , 131
Stanbury, S. W., 407
Standfast, A. F. B , 388
Standil, S., 810
Standing, K. G., 810
Standley, K. J., 428
Standord, Rev. M., 1295
Standring, H., 154, 156
T., 332
Stanfield, M. W., 493
Stanford, W. B., 1770, 1771, 1772
Stanger, J. K., 146
Stanier, J. G , 519
J. P., 299
M. W , 1536
Staniland, A. C., 563
Stanislas, Br., 895
Sister M , 1248
Stanley, A. A W., 689
B., 125
D. A., 196
E. G , 33
G. F. G., 882
G. K., 315
J., 780
R. L., 721
Stanner, W. E. H., 994
Stanners, H., 277, 278
Stansfeld, A. G., 346
J. M., 144
Stansfield, F., 1556
H., M.D., 726
H., M.Sc., 175
Stanton, B. L., 1010
O. M., 125
R. D., 738
R. G., 923
W. K., 61
Stanworth, A., 408
Stapleford, E., 926
Staples, M. W., 939
W. E., 923

Staples, W. R., 906
Stapleton, C. A., 1026
Star, K. H., 1005
Starchuk, O., 693
Stargardt, A. W., 1020
Stark, J. L., 1115
V. J. M., 195, 197
W., 397, 399, 422
Starke, D., 304
J. S., 1166
K., 715
N. C., 1171
Starkie, E. M., 443, 456, 472
W. F., 1771
Starr, D. E., 729
Stassen, M., 151
Statten, T., 788
Statton, J. W., 982
Stauffer, Mrs. I. E., 936
Staveley, D. C., 346
E. S., 646
L. A. K., 440, 465, 514
R., 305
R. W., 1036
Stavraky, G. N., 961
Stayt, Mrs. E., 247
Staz, J., 1197
L., 1200
Steacie, E. W. R., 313
Steacy, H. R., 737
Stead, Rev. G. C., 455, 462
Steadman, B. St. J., 366
Stear, R. L., 207
Stearn, C. H., 798
C. W., 777
Stede, D. A. L., 296
Stedman, E., 596
E. W., 737
K., 255
M. B., 34
Steed, R. W., 264
Steedman, H. F., 624
Steel, Anthony, 543, 1501
A., M.Sc., 141
A. B., 97
E. V., 1041
G. S., 645
I. A., 839
J., 145
J. D., 1046
J. F., 627
R. W., 444, 471
W. L., 406
Steele, A. J., 598
E. S., 644, 652
M. C., 1025
Steen, D. G., 634
R. E., 1775
S. W. P., 86, 97
T. R., 64
Steenkamp, J. L., 1188
W., 1186
Steeple, H., 413
Steer, G. H., 692
H. O., 926
W. S., 563
Steers, Mrs. H. G., 84
J. A., 84, 104
Steeves, L. C., 748
Stegen, G. F., 780, 913
Stegen, R. M., 1134
Stegmann, E. T., 1187
G. F., 1185
Stehbens, W. E., 1051
Stein, C., 858
H. B., 1202
H. L., 808
I., 1197
L., 1204
Lilli, 605
M , 429
P., 1144
P. G., 583
S., 304
W., 177
Steinberg, H. R., 306
M. W., 718
Steiner, E., 176
W. A., 274
Steinwender, Mrs. H., 1187
Steketee, J. A., 923
Stelck, C. R., 691
Stella Maria, Mother, 844
Stellwag, H. W. F., 435
Stengel, E., 370, 382
Stening, G. G. L., 1049
M. J. L., 1049
S. E. L., 1050
Stenlake, J. B., 640
Stenning, D. J., 300
Stenton, D. M., Lady, 494
H., 153
Stéphan, E. M., 60
Stephanson, B. T., 694
Stephen, A. M., 1131
Mrs. G. M., 493
K., 1101
Stephen-Lewis, F. V., 1202
Stephens, A. C., 1091, 1096
A. V., 1047, 1054
D. J., 550
E. A., 1509
G. M., 813
H. D., 168
H. H., 696
I. M., 102
Rev. J. O., 526
J. S., 199
N., 659
R. W., 203
R. W. B., 258
Stephenson, A., 256
E. F. M., 1000
E. S., 814
Sir F., 501
G., 205, 307
G. E., 145
Mrs. M. A., 139
N. G., 1046
R. P., 603
T. A., 532, 542
W., 1034
Steppler, H. A., 792
Sterland, E. G., 119
Sterling, J. E. W., 422
Stern, Sir A., 279
A. L., 155
H. H., 154
J. P., 85
K., 864
Stern, S. M., 670
W. M., 271
Sterns, A. A., 736
Steven, D. M., 599
H. M., 582
M. K., 1099
R. E., 520
S. J. H., 1151, 1184
Stevens, A. M., 848
C. B., 174
C. E., 445, 463
E G. B., 716
E. L., 982
F. M., 176
J., 1111
J. E., 83, 102
K. W. H., 428
P. G., 1114
P. T., 244
R., 1549
T. S., 502
W. A., 936, 938
Stevenson, A. C., M.D., 663, 670
A. C., M.Sc., 306
Rev. A. C., 1036
A. H., 621
D. C., 1101
G. H., M.D., 727
G. H., F.R.S.C., 963
G. H., O.B.E., 629
H. N. C., 623
J., 82, 98
J. A. F., 961
J. E., 355
J. P., 309
J. S., 777
J. W., 784
L. G., 785
Mrs. M., 791
P., 1133
R., 638
R. B. C., 1051
R. H., 851, 852
R. W. H., 584
W. B., 617
W. D., 750
W. E., 1288
W. G., 941
Steward, F. C., 949
G. C., 155
H. D., 1010
Stewardson, E. A., 570
Stewart, A., 435
A., M.Agr.Sc., 1121
Andrew, xxix, 688
A. B., 585
A. E., 628
A. G., 689
A. H., 425
A. J., 729
A. M., 1068
Mrs. A. M., 453, 472
A. W. K., 639
C., 637
Prof. C., 68
C. A., 515
C. B., F.R.C.S., 814
C. B., M.P.H., 747, 750, 752

Stewart, C. H., 595
C. P., 596, 603
D. A., 848
D. B., 1543
D. M., 187
D. R., 690
D. S., 598
Rev. D. S., 597
E., 730
E. G. F., 599
F. H., Ph.D., 128, 132
Frances H., 916
F. S., 1775
H. C., 356
H. E. M., 941
H. H., 871
H. L., 750
H. S., 801
I. McD. G., 77
J., B.F.A., 913
J., B.S.A., 714
J. C., 1007
J. D., Dip.V.F.M., 1114
J. D., Ph.D., 584, 589
J. I. M., 443, 460
J. M., 991
J. P., 607
J. R., 207
J. R. B., 1042
K. F., 273
M., 1093
M. A., 197
M. D., 883
M. S., 793
R. D., 747
R. H., 661
R. L., 606
R. R., 1483
S. E., 907
S. M., 515
S. O., 574
T., 608
Judge V. L., 936
W., 645
Rev. W. A., 899
W. A. C., 573, 575
W. D. S., 1512
W. F. M., 779
W. J., 1000
W. K., 623, 650
W. M., 60, 75
Stewart-Hay, R. K., 810
Stewartson, K., 61
Steyermark, P., 825
Steyn, D. G., 1169
H. S., 1175
I. N., 1155
J. L., 1183
W. J. A., 1177
Stickland, L. H., 171
Stickwood, A. M., 793
Stilborn, A. A., 907
Stiles, R. D., 913
Stiling, F., 957, 962
Still, J. L., 1042
R. J., 172, 178
Stillwell, E. C., 939, 942
Stimson, J. S., 1019
V. R., 1019
Stinson, R. H., 940, 959
Stinson, W. G., 928
Stinton, T. C. W., 441, 469
Stirk, S. D., 809
Stirling, A. P., 270
G. A., 146
J., 205, 581
M., 461
Stirrat, Mrs. J. E., 37
J. H., 697
Stirrup, N., 411
Stobart, C. E., 121
Stobie, W. G., 808
Stobo, A. J. H., 1050
Stock, A., 1020, 1021
A. G., 1392
F. E., 1506
J. J., 714
M., 799
T. A., 1524
Stockdale, C. R., 405
D., 81, 101
H. 77
Stocken, L. A., 439
Stockenström, E., 1191
F. F. de W., 1151
Stocker, B. A. D., 386
K. H., 1112
Stockting, J., 570
Stockton, W. H. S., 727
Stockwell, A. W., 1100
W. C., 784
W. G., 782
Stoddard, C. C., 747
R., 405
Stoeckel, R. W., 912
Stoker, A., 1157
F. M. L., 1182
H., 1155
H. G., 1157
J. T., 582
M. G. P., 93, 97
P. H., 1157
Stokes, A. B., 933
A. R., 266
C. W., 487
E., 1063
E. H., 1050
E. M., 1355
E. T., 1512
F. C., 955
J. F., 362, 364
J. S., 385
R. H., 1068
Stokol, N. L., 607
Stone, A. H., 401
Rev. C. W. F., 755
Mrs. D., 401
F. S., 58
J., 1049
J. R. N., 83, 101
L., 446, 469
L. G., 220
L. W., 264
M., 575
M., Chic., 1559
N. D., 340
O. M., 272
S. L., 546
Stoneley, R., 84, 102
Stoneman, W. E., 495
Stoner, C. R., 280
E. C., 166
Stones, E. L. G., 621
H. H., 193
P. B., 406
Stoney, A. J. M., 1032
Stonier, A. W., 308
Stoodley, J., 1036
Stoop, A. C., 583
Stopford, Sir J., 394, 408, 1098, 1113
Stopp, F. J., 85
Stoppani, A. O. M., 313
Storaasli, Rev. O. K., 908
Storch, R. F., 1524
Storer, R., 1070
W. O., 32
Storey, E., 1007
G., 108
J. R., 1108
Stork, K. G. B., 1454
Storm, Dr., 151
Stormont, D. J., 1772
Storr, E., 913
Storrie, F. R., 619
Storrow, J. A., 412
Storry, G. R., 994
Story, G. M., 822
J. D., xxx, 1031
Stott, D. H., 69
I. F. G., 69
Stoughton, R. H , 494, 498
Stout, A. K., 1045
T. D. M., 1110
Stove, D C., 1026
Stoverud, T., 308
Stowers, J. M., 649
Stoy, P. J., 662
Stoye, J. W., 446, 464
Straby, A. E., 940
Strachan, C., 584
C. C., 285
G. I., 560
I., 34
T., 645
Strack, S. L., 1107
Strahan, Prof., 1518
R., 1503
Strain, R. W. M., 663
Straker, D., 192
E. J., 152
M., 788
Strakhovsky, L. J., 926
Strang, A., 626
C., 140
M. G., 793
R. R. S., 39
Strange, S., 305
Strangeways, D. H., 659
Stranks, D. R., 162, 1000
Stranski, I. W., 261
Strasburg, I., 1203
Straszacker, R. L., 1186
Strathdee, R. B., 581
Strathy, G. B., 951
Stratmann, C. J., 299
Stratton, F., 408
F. J. M., 99, 1140
Strauss, E. B., 350
F. B., 441

Strauss, H. J., 1152
Straw, A., 503
K. H., 1544
S. H., 399
Strawbaun, A. E., 1199
Strawbridge, H. T. G., 196
W. G., 557
Strawson, P. F., 448, 468
Strean, G. J., 787
Streat, Sir E. R., 394, 475
Street, H., 427
H. E., 550
J., 85
N., 1000
R., 505
Streeten, P. P., 442, 458
Strehlow, T. G. H., 981
Stretton, H., 982
Strevens, P. D., 1525
Strickland, G., 1105
Strickland-Constable, R., 255
Stride, G. O., 1525
Stringam, E. W., 939
Stringer, A., 71
E. T., 34
H. C. W., 1094
Stroick, Rev. C., 865
Stroll, A., 722
Stromback, D , 593
Stronach, Mrs. M., 784
Strong, G. F., 725
J. A., 604, 607
W. M., 59
Struckett, Mrs. H. F., 961
Strumpfer, D. J. W., 1157
Struth, M. Le V., 444, 461
Struthers, R. G., 935
Stuart, A., 563
A. P., 847
C. H , B.Admin., 1171
C. H., M.A., 446, 460
Mrs. D., 1351
D. G., 456
E. A., 787
E. M., 934
E. R., 1772
F. G., 813
H. M., 473
Mrs. H. S. M., 538
J. E., 586
J. G., 659
K. L., 1543
R. D., 695, 699
W. R., 690
W. S., 175, 179
Stuart-Harris, C. H., 508
Stubbe, J. L., 1009
Stubbings, F. H., 81, 99
Stubbs, H. W., 562
Stuckey, D. S., 1050
Stukel, A., 859
Stumbles, Mrs. D., 565
G. L., 565
Stump, C. W., 1041
Sturdy, J. H., 714
Sturrock, F. G., 90
F. L., 1130
G. M., 651
J., 606
P. A., 105
Stuttard, C. G., 220
Styan, J. L., 156
Stykolt, S., 925
Style, D. W. G., 263
Styler, Rev. G M., 82, 98
Rev. L. M., 459
W. E., 415
Styles, E. C. C., 637
H. J., 871, 882
P., 34
Suares, F. P., 1281
Subba Bhatta, K., 1360, 1364
Subba Rao, B. R., 1360
N. V., 1384
V., M.A., 1372
V., M.Sc., 1246, 1247
Subbaramappa, K., 1363
Subbaramiah, K., 1250
Subbarao, B., 1264
D., 1268, 1270
Subbaraya, K. V., 1331
T. S., 1362
Subbaraya Sarma, P., 1348
Subbayyar, S. V., 1357
Subbiah, A., 1252
K., 1356
Subbuh, A., 1488
Subhadra Devi, V., 1385
Subhan, A., 1465
Subhedar, B. J., 1376
Subhramanyan, V., 1435
Suboor, M. A., 1385
Subrahmanya, K., 1435
Subrahmanya Ayyar, A. C., 1253
Subrahmanya Pillai, C., 1253, 1256
G., 1254
Subrahmanya Sastriar, V., 1254
Subrahmanyam, C., 1249
D. S., 1248
N. V., 1246
S., 1253
S. S., 1247
V. P., 1246
Subrahmanyan, P. R., 1352
R., 1355
V. N., 1357
Subrahrmanya Sastry, K. V., 1245
Subramania Sastri, S., 1350
Subramaniam, B., 1247
D., 1258
M. K., 1445
Subramaniyam, M. J., 1386
M. K., 1386
Subramanya, R. S., 1445
Subramanyam, C. V., 1348
D. M., 1361
K. G., 1264
Subzwari, S. S., 1468
Suckling, N. C., 139
Sucksmith, W., 505, 514
Sud, P. L., 1304
R. K., 1307
Suda, J. P., 1227
Sudale, E. W., 177
Sudan, Gov. of, 1555
Sudano, F. D., 1179
Sudarsana Rao, K., 1248
Sudd, J. H., 648
Suddaby, E., 563
Suderman, H. J., 807
Sudershanam, C., 1389
Sudhakar, Rao, G. V., 1383
Sudhalkar, M. B., 1268
Sudworth, J. F., 205
Suffel, G. H., 958
Suffolk, S. F., 496
Sufi, S., 1386
Sufian, M. M., 1491
Sugar, M., 1544
Sugden, N., 1071
R., 1017
T. M., 81
Sujkowski, Z. L., 800
Sukheswala, R. N., 1283
Sukhia, S. P., 1222
Sukumairnair, K. C., 1332
Sulaiman, K. M., 1237
Suleman, I. T., 1476
Sulemani, M. I. K., 1487
Sullivan, Rev. B. F., 905, 907
C. M., 926
D. M., 1512
E. P. A., 1511
G. D., 1041
Rev. J. A., 886, 887
Very Rev. M. G., 1102
M. M., 1007
Sully, Ven. T. D., 1222
Sulochana, C. B., 1348
Sultan, C. M., 1236
S., 1223
Safia, 1234
Sultan Bawa, M. U., 1451
Sultana, A., 1388
G., 1488
R., 1388
S. S., 1236
Sumbha, G. M., 1375
Sumi, E., 809
Summerfield, A., 308
Summerhayes, J. L. V., 269
Summers, J. L., 905
W. F., 777
Summerson, J., 250
Sumner, D. B., 800
G. V., 1182
W. L., 425
Sundara Rao, M. B., 1363
R. V. G., 1447
Sundaralingam, V. S., 1350
Sundaram, K. P. M., 1305
M., 1254
M. A., 1386
N. K., 1219
P. M., 1388
R., 1388
S., 1254
Sundararaj Naidu V., 1428
Sundarajan, P. R., 1350
Sundarasen, T. V., 1272
Sundarasiva Rao, B., 1247
Sundaresa Vandayar, V., 1254
Sundaresan, K. N., 1434
T. P., 1253
Sunder, S., 1229
Sunder Rao, R. V. G., 1385

Sunderland, E., 300
S., 998, 1013
Sundharan, R. P. S , 1305
Sunkapur, M. S., 1331
Sur, A. M., 1376
C. H., 1266
N. K., 1251
R. K., 1242, 1243
Surastava, R. N., 1311
Surerus, J. A., 921
Suri, C. L., 1310
R. D., 1225
S. P., 1304
S. R., 1395
Surje, B., 1386
Suroor, A. A., 1338
Surti, A., 1233
B. S., 1389
Suru, N. G., 1406
Surve, G. C., 1389
Suryanarayan, I , 1389
M , 1388
Suryanarayan Rao, R., 1381
Suryanarayana, C. V., 1252
D., 1255
E. R., 1317
K. S., 1381
S , 1352
T., 1249
Suryanarayana Rao, K., 1246
N. S., 1361
Suryanarayanan, S., 1303
Susman, E. L., 1050
M. P., 1052
Sussex, I. M., 1110
R. T., 1001
Sutcliffe, F. E., 398
F. K., 174
H., 645
J. F., 263
J. P., 1045
Sutherland, A. C., 141
A. M., 628
C. H., 648
C. H. V., 447, 460
D. McK., 410
Mrs. D. R., 443, 472
E. S., 1544
G. A., 402, 419
G. M., 620
H. B., 625
I. D., 650
J. K., 59
J. R., 303, 313
J. S., 874
J. W. R., 538
K. H., 507
K. J. G., 1069, 1072
L. S., 446, 472
M. B., 659
M. D., 1031
N. S., 464
R., 172
R. J., 883
T. W., 171
W. H., 729
Sutin, G. J., 1135
N., 127
Suttles, W., 716
Sutton, C. W. H., 448, 470
Sutton, D., 258
D. J., 983
F. G., 1537
G. D., 1170
G. E. F., 65
G. J., 1025
I., 172
J., 257
J., N.S.W., 1025
J. C., 789
L. E., 441, 463
M. F., 393
N. G., 1035
R. G , 1025
W. A., 1102
W. G., xxx, 183, 1193
W. S., 196
Suzman, M. M., 1200
Svasti, M. C. K., 1511
Sved, G., 981
Svensson, N. L., 1008
Swaby, L. J., 1009
R. A., 1544
Swain, C. G., 949
E. H , 309
R. H. A., 602
Swainson, B. M., 568
W , 584
Swales-Smith, H., 415
Swallow, K. A., 697
Swami, S., 1387
Swamidas, P., 1362
Swamidasan, J. D., 1282
Swaminathan, S., B.Sc., 1254
S., Ph.D., 1348
S. R., 1422
Swamy, B. G L., 1350
Swan, A. A. B., 600
A. G., 699
C. J., 632
D. C., 986
G. A., 137
J. B., 1071
P., 1004
Rev. P. J. M., 706, 707
T. W , 993
Swanepoel, A., 1135
Mrs. A. D., 1158
H L., 1156
K. J., 1168
Swann, M. B., 629
M. M., 599
S. A., 425
W. G., 664
Swannell, J. N., 518
Swanson, A. L., 935
W. C., 651
Swart, Hon. C. R., 1151
J. C., 1188
Swartz, D., 814
H. A., 810
J. F. A., 1186
Swartzen, G., 881
Swarup, B., 1230
D., 1258, 1259
S., M.A., 1228
S., M.Sc., 1226
Swarzenski, P. T. J., 242
Sweeney, G. M. J., 1144
Sweet, P. A., 300
Sweeting, M. M., 444, 473
Swiegers, D. J., 1165
Swift, H. M., 521
H. W., 53, 506, 514
L., 761
N. H., 1011
Swinarton, L., 945
Swinbanks, D. B., 638
Swinbourne, E. S., 1025
Swinburne, H., 563
T. G., 1010
Swindells, Y E., 1091
Swinney, G. E., 587
Switzer, J. F. Q., 90
Swoboda, O., 1266
Sword, J. H., 520
J. H., M.A., 945
Syal, R. D., 1392
Syamananda, R., 435
Sydney, Gov. of, 1041
Syed, A. I. A., 1222
Syer, F. J. D., 1003
Syfret, R. H., 472
Sykes, C. E., 406
E. G., 69
E. I., 1033
J., 562, 565
J. D., 319
J. G., 168
J. T., 319
K. W., 550
L. C., 569, 571
Rev. N., 43, 82, 99, 13
P., 81
W. O., 324
Sylk, E., 347
Sylvester, D., 398
Sylvester-Bradley, P. C., 503
Sylvestre, Rev. A., 833
G., 860
J. E., 767, 826
L., 832
Syme, A. C., 638
R., 445, 459
Symes, O. L., 906
Symington, N. J., 1050
T., 628
Symmers, W. St. C., 55, 324
Symmons, H. F., 1092
S., 584
Symon, D. E., 986
F. J., 639
Symonds, Sir C. P., 328, 370
1098
J. L., 36
Symons, A. S. M., 392
D. I., 69
H. W., 173
J. R., 155
M. C. R., 517
N. B. B., 648
T. H. B., 951
Synge, F. M., 583
J. L., 1771
V. M., 1775
Syrett, P. J., 301
Szczawinski, A., 715
Szczepanik, E. F., 1504
Szekeres, G., 313, 982, 991
Szemerényi, O. J. L., 245, 306

Szendrei, M. E., 1179
Szerb, J. C., 749
Szigeti, B., 191
Szomanski, E., 1063
Szyrynski, V., 861

TABONE, Very Rev. P., 1520
Tabor, D., 81
Tabussam, G. M., 1480
Tackaberry, S. G., 737
Tacon, P. H., 937
Tadych, Mrs. M., 723
Taft, L. I., 1010
R., 1071
Taggart, R., 665
W., 718
Tagnik, K. S., 1269
Taher, N. A., 1384
Tahir, M. Y., 1383
Tai, C. H., 291
Mrs. Y. L., 291
Tailby, S. R., 391
Taillon, Rev. Br. L., 896
Taimni, I. K., 1240
Tait, A. C., 635
D., 1525
F. S., 40
G. B., 413
G. E., 937
H. P., 603
J. S., 390, 391
M. D. C., 918
R. W. F., 983
Tajfel, H., 129
Tajuddin, 1386
Talajia, G. S., 1379
Talapatra, S. K., 1227
Talati, K. M., 1325
Talaty, E. R., 1369
Talbot, A., 257
G., 423
J. M., 332
L., 762
R., 764, 771
W. J., 1132
Talbott, A. C., 138
Talib, G. S., 1395
N. L., 1329
Taljaard, J. A. L., 1157
M. S., 1187
Tallantire, A. C., 1534
Tallentire, A., 409
Mrs. E. M., 128
Tallerman, K. H., 331
Tallin, G. P. R., 806, 815
Talling, J. F., 1556
Talluri, J. M., 1387
Talman, J. J., 957
Talukdar, A. H., 1465
Talwalkar, S. G., 1282
Talwar, D. N., 1222
Tamaki, G. F., 912
Tamaskar, D. G., 1371
Tambiah, M. S., 1451
S. J., 1453
Tamby, T. P., 1427
Tamhane, S. N., 1369
Tamhankar, M. N., 1281
D. V., 1281
Tampi, A. N., 1352
Tan Yun-Shan, 1439
Tanburn, E., 1530
Tancock, L. W., 304, 313, 514
Tandon, B. K., 1222
B. K., Luck., 1339
B. N., 1304
B. R. K., 1223
C. P., 1341
G. N., 1225
G. P., 1225
H. H. N., 1222
Mrs. K., 1227
L. C., 1227
L. N., 1340
M. D., 1223
O. P., 1342
P. N., Luck., 1338
P. N., Agra, 1228
R. K., 1339, 1341, 1344
R. L., 1370
R. N., M.A., 1227
R. N , M.B., 1343
R. N., M.Sc., 1229
R N., Ph.D., 1240
S. L., 1303
Tang, C. I., 1504
Tangaonkar, V. B., 1322
Tanguay, G. E., 827
O., 834
Tannahill, T. R., 618
Tanne, D., 1204
Tanner, D. M., 929
H. G., 57
J. M., 359
R. G., 1000
T., 520
Tansey, A. W., 142
Tanton, B. W., 729
Tanweer, A. K., 1479
Tao, M., 1503
Taper, C. D., 792
Taplin, K. W., 1069
Tapp, E. J., 1020
Mrs. F. M. M., 403
Tappe, E. D., 240
Tarabai, Mrs. B., 1307
Tarafdar, M. M. R., 1467
Taraporwala, S. P., 1282
Tarbet, J. G , 472
Tardif, J. M., 761
Tare, V. E., 1369
Tarrant, A. G., 1092
G. T. P., 1101
Taschereau, A., 766
J., 760, 766
Hon. R., 858
Tasker, D. G. C., 67
Rev. R. V. G., 322
Tasny, L., 1048
Tassie, J. S., 737
Tate, B. C., 39, 40
E. I., 144
J., 502
P., 87
R. B., 661
W. E., 163
Tatham, G., 921
Tatke, P. A., 1374
Tatlow, J. C., 29
W. F., 786
Tattam, C. M., 1002
Tatte, R. G., 1370
Tattersall, A., 207
E. M., 1019
R. N., 170
W. R., 648
Tattersfield, F., 391
Tatwawadi, G. R., 1369
Taube, H., 162
Tauman, L., 1070
R., 609
Taunt, D. R., 86, 100
Taurins, A., 776
Taute, M. P., 1131
Tavener, L. E., 518, 521
Tavenner, R. W. H., 30
Taverner, D., 170
L., 1198, 1205
Tawade, N. R., 1331
Tawakley, I. D., 1225
Tay, M. H. E., 1513
Tayler, D. de P., 1110
N. H., 922
Taylor, A., 1526
A. B., M.A., 1063, 1065
A. B., M.D., 40
A. C., 250
A. J., B.Sc., 249
A. J., M.A., 305
Anna J., 684
A. J. E., 188, 190
A. J. P., 445, 463
A. L., B.A., 141
A. L., Ch.B., 66
A. L., D.P.H., 172
A. M., 519, 573
A. R., B.A., 847
A. R., M.A., 163
A. W., 608
B. C., 937
C., 684
C. A., 413
C. C., 205
C. D., 859
C. E., 429, 436
C. R., 1025
C. W., 40, 42
D., M.A., 1525
D., Ph.D., 596
D. B. C., 436
Rev. D. M., 1102
D. W., 585
E. G., 640
E. M., 934
E. M. M., 264
E. O., 610
F., 1357
F. A., 443, 459
F. J., 279
F. K., 371
F. W., 155
G., 456
G. A., 582
G. B., 688
G. C., 652
Rev. G. E., 810
Sir G. I., 106
G. P., 1027
H., M.A., 778
H., M.D., 336

Taylor, H. A., 190
H. E., M.A., 507
H. E., M.D., 727
H. F. W., 581
H. J., 1295
H. M., 78, 97
H. W., 882
H. W. J., 1178
H. W. Y., 595
I. B., 1200
I. R., 1194
I. W., 1100
J., B.Sc. (Econ.), 570
J., M.A., 164
J., M.S., 363
J., Ph.D., 639
J., London, 1559
J. A., 608
J. A., M.A., 531
J. B., 691
J. C., B.A., 957
J. C., B.Sc., 661
J. C., S.A., 1133
J. C., Tor., 940
J. G., 1133
J. H., B.A., 777
J H., M.A., 1090
J. H., M.B., 647
J. H., Ph.D., 265
Mrs. J. M., 140
J. R. E., 941
J. S., 414
J. T. C., 64
L. R. S., 325
L. W , 1048
M. B., 58, 69, 71
M. G., M.B., 985
M. G., Ph.D., 925, 935
M. L., 1134
N. B., 960
N. R. W., 651
N. W., 1020
O. R., 531
P., 141
Mrs. P., 719
P. W., 1106
P. W. E., 272
R., 595
R. A., 644
R. C., 31
R. G., 246
R. J., 551
R. L., 183, 1069
R. P., 1801
R. R., 602
R. S., 366
R. S. T., 1105
R. Y., 394
S., 332
Prof. S., 711
S. F., 373
S. W., 60
Sir T., 567, 1547
T. G., 492
Sir T. M., xxix, 580, 1501
T. M. C., 714, 718
Sir T. W. J., 286, 491
V., 455
W., 39
W., Durham, 146
Taylor, Winifred, 125
W. A., M.B., 628
W. A., M.D., 41
W. H., 88
W. I., 847
W. K., 299
W. L., 1131
W. L., Glas., 625
W. R., B.Sc., 70
W. R., M.D., 729
Rev. W. S., 730
W. W., 130, 134
Tayyeb, A., 921
Tazelaar, M. A., 1525
te Groen, L. J., 1168, 1171
te Hau, M., 1108
Te Punga, M. T., 1111
Te Water, C., 1162
Te Winkel, H., 277
Teago, F. J., 1791
Teakle, C. T., 777
L. J. H., 1031, 1037
Teale, A. E., 575
F. W. J., 42
Teall, C. G., 42
Teare, R. D , 352
Tebble, R. S., 166
Tedder, Lord, 78
Teece, A., 234
R. C., 1049
Teegan, J. P., 1791
Teeman, R., 165
Tees, H., 784
Tegner, W. S., 336
Teicher, J. L., 95
M. I., 936
Teichmann, M. E., 1004
Tejasandanda, S., 1293
Telang, B., 1386
D. M., 1282
P. S., 1373
S., 1260
T. P., 1260
V. S., 1322
Telfer, J., 136
M. A., 1052
Canon W., 105, 1737
Tellier, Sir M., 838
Telling, O. M., 170
Tembe, V. B., 1282
Temby, R. P., 998
Tempest, N. R., 188
R. K., 165
Temple, E. E., 415
G., 159, 269, 448, 467
M., 1028
M. V., 45
R. W., 1549
Templeman, G., 34
Templewood, Visct., 492
ten Seldam, R. E. J., 1051
Tener, R., 718
Tenghse, L. H., 1324
Tennakoon, G. E., 1455
Tennant, Rev. F. R., 106
J. N., 627
Tennenbaum, E., 1557
Tennent, A. G. C., 1001
R. M., 166
Teoh, T. B., 1505
ter Haar, D., 647
Terasmae, E., 940
Terblanche, H. J., 1143
Teresa, Rev. Mother, 1494
Ternan, J. B., 853
Terner, C., 497
Ternouth, E. J., 495
Terreni, J., 1519, 1521
Terrey, H., 301
Terrien, J., 864
Terroux, F. R., 779
K. G., 779
Terry, A. H., 661
Teskey, B. J. E., 940
Tessier, C., 764
Tester, S. J., 58
Tetley, F. W., 912
J. H., 1118
Tétrault, J., 831
Tetstall, R. G., 544
Teverson, E. M., 45
Tew, J. H. B., 425, 436
W. P., 960
Tewari, A. R., 1222
B. G., 1221
B. S., 1337
G. N., 1224
H. B., 1339
J. D., 1240
J. N., 1221
K. D., 1336
L. D., 1223
M. M., 1411
P. C., 1223
R. B., 1340
S. G., Agra, 1228
S. G., Alld., 1240, 1241
S. S., 1337
Thacker, M. S., 1445
T. W., 129
Thackray, A. C., 339
Thacore, C. M., 1343
Thakar, K. A., 1389
Thakkar, H. R., 1324
R. V., 1332
Thakore, K. K., 1268
M. M., 1323
P. N., 1269
Thakur, M. J., 1325
O. N., 1258, 1259
R. S., 1376
Thakurdas, Mrs. I., 1307
V., 1308, 1312
Thakurta, J. G., 1467
S. K. G., 1296
Thambipillai, G., 1452
V., 1513
Thambypillai, T., 1453
Thampan, R. K. K., 1355
Thanekar, P. N., 1371
Thangaraj, M. A., 1351
Thangarajan, P., 1354
Thani Nayagam, Rev. X. S., 1452
Thassu, S. N., 1328
Thatcher, Sir R. S., 390
W. S., 108
Thatte, G., 1386
G. N., 1386
S. D., 1387

Thatte, V. D., 1387
V. N., 1374, 1379
Thawani, V. D., 1317
Thayumanaswamy, V. R., 1355
Theakston, F. H., 939
H. R., 744, 750
Theall, D. F., 920
Théberge, J. M., 759
Theimer, O , 723
Theobald, Rev., 1353
A. B., 1555, 1556
G. W., 171
L. S., 255
Theodose, Br., 760
Theodosia, Mother M., 1403
Theophilus, S. G., 1369
T. W. D., 429
Theoret, M., 707
Thériault, J. P., 824
Thérien, M., 766
Theron, A. S., 1153
C. J., 1189, 1190
E , 1188
J. A., 1167
J. G., 1188
J. J., D.Ph., 1163
J. J., M.D., 1199
J. J., Ph.D., 1165, 1171
P., 1203
Therrien, R , 767
Thiagarajan, V. A., 1361
Thibaudeau, R., LL.L., 766
R. M. D., 768
Thibault, A. A., 707
Mrs. A. A., 707
Rev. F., 866
J. P., 862
M. A., 765
Thibert, R J., 706
Thibodeau, Mme. R., 761
Thiel, C. C., 496
Thiele, H. W., 1034
Thigale, S. M., 1406
Thillayambalam, E. M., 1352
Thiman, E. H., 392
Thind, K S., 1302
Thirkill, Sir H., 97, 1501
Thirlby, G. F., 271
Thirsk, H. R., 137
Mrs. I. J., 569, 573
Thirunarayanan, M. A., 1447
Thirunavukkarasu, S., 1254
Thiruvenkatachari, S., 1357
V., 1252
Thistlethwaite, F., 83, 105
Thivierge, Rev. E., 859, 866
Thoday, D., 435, 514, 537
J. M., 503
Thode, H. G., 798, 799
Thody, P. M. W., 33
Tholal, M. N., 1393
Thom, A., 442, 459
A. S., 625
A. T., 786
H. B., 1185, 1187
Thoma, H. H. K., 265
Thomas, A., 1234
Mrs. A., 1309
Alice, 1309
Thomas, A. D., 1170
A. J., 540, 556
B., M.Sc., 142
B., Ph.D., 533, 544
C. G. A., 469
C. J., 518
Sir C. P., 367
C. P., 207, 220
C. R., 569
D., 303
D. C. T., 224
D. H. H., 410
D. L., 141, 151
D. L., B.Sc., 257
D. M. E., 558
D. P., 187
D W., 94, 104
E., B.Litt., 492
Elizabeth, 286, 544
E. G., 363
E. R., 138
E V., 723
G., B.Sc., 257
G., M A., 1429
G., M.Sc., 37
G. E., M.B., 198
G. E., M.Sc., 397
H., 415
H., B.Mus., 544
H. A., 556
H. M., 958
H. O., 1530
Rev. I., 526
I. G., 422, 1193
I M., 984
J. A , B.Sc., 1034
J. Alun, 538
J. A. B., 556
J. A. C., 625
J. C., 727
J. D., 1525
J. G., M.A., 531
Joan G., 285
J. H., 544, 545
J. L., 70
J. M., 444, 465, 469
J. O , 88
J. R. L., 462, 579
J. W. T., 556
L. A. J., 714
L. E., 538, 540
L. F., 29
L. G., 692
L. H. C., 164
M., 136
Mrs. M. A., 1310
M. G. L., 109
Mrs. M. M., 1240
N., 411
N. A., 1430
N. J., 941
O. F., 195, 197
P. A. V., 625
P. C., 1316
P. G., 245
P. J., 255
P. K., 299
P. T., 532
R. D., 715
R. G., 545
Thomas, R. H., 34
R. J., 142
S., 402
Miss S., 1306
T. C., 92, 108
T. L., 258
T. W., 552
W., 321
W. D. E., 71
W. G., Birm., 36
W. G., Manc., 409
W. J., 183, 397
Thomason, J. C., 520
Thomass, L. H., 1106
Thomassin, Mgr. R., 762
Thompson, A., B.Sc., 1511
A., M Sc., 142
A. A., 1544
A. C., 597
A. F., 446, 469
A. H , 134, 184
A. R., 412
A. R. F., 327
C. A., 960
C. H., 90, 96
C. W., 913, 914
E. A., 425, 431
E. C., 447, 462
E. H., 302
E. J., 700
E. L., 1042
E. P., 177
F. C , D.Met., 401
F. C., M.Sc., 319
F. M. L., 305
Rev. G. H., 951
G. H., B.Sc., 443
H., 854
H., Leeds, 171
H. R., 800
H. W., 441, 467, 573
Very Rev. J. C., 1053
J. G., 1136
J. H. C., 447, 469
Rev. J. N., 1788
J. R., 515
J. S., B.Arch., 187
J. S., M.A., 689
L. M , 1132
M., 280
Mrs. M. J., 847
M. S. H., 296
N., 61
Rev. P. J., 155
R. B., 145
R. H. S., 327
R. H. T., 1101
Ruby M., 683
R. M., Ph.D., 719
R. S. H. G., 257
R. W., 799
R. W., B.A., 1543
S., 145
S. Y., 496
V. C., 336
W. A., B.Sc., 912
W. A., F.R.C.S.Ed., 195
W. A., M.B.A., 957
W. J., 729
W. P., xxx, xxxiii, 902

Thomre, K. K., 1268
Thomson, A., 630
A., M.A., 924
A. E., 813
A. F., 1549
A. K., 1033
A. M., 587
A. P , 28, 38, 40, 42, 46, 1501
A. P. D., 28
A. R., 581
A. S. T., 638
Mrs. C. M., 137
D., 85, 106
D. C., 1048, 1049
D. F. F., 999
D. F. S., 918
D. L., 774, 775, 783
D. M., 1535
D. S., 618
F. B., 729
G., M.A., 30
G., Ph.D., 619
G G , 1115
G. H., B.Com., 637
G H., Ph.D., 840
G. M., 1506
Sir G. P., 98
H., 581
H. J., 537
H. M. S , 1091
I. S. D., 586
J., M.B., 649
J., M.D , 603
J. C., 626
J. F , 87
J. O., 30
J. S., 631, 774, 782
K. W., 982
L. C., 372, 381
M. A., 190
M H., 798
M. L., 406
N. F., 1112
P., 280
R., 129, 130
R. H., 581
R. K. C., 696
R. L., 163
R. Y., 618
S., D.P.H., 556
S., F.R.C.P., 331
S. J., 127
S. L., 300
T., 538
T. J., 627
V., 1112
W. H. S., 587
W. S., 925
Thong, S. P., 1513
Thorburn, A., 32
Mrs. G., 840
H. G., 839, 903
I. O., 1069
Thorlakson, P. H. T., 814
Thorley, N., 141
Thorne, Mrs. E., 246
H. H., 1060
N., 544
Thornely, J. W. A., 92, 106
Thornham, C. B., 169
Thornhill, Rev. R., 129, 132
W., 502, 514
Thornley, D. G., 395
M. B., 619
Thornton, A. H., 430
Mrs. A. H. F., 1090
A P., 583, 634
E. H., 1772
Rev. H., 1092
H. G., 393
H. L , 355
H. R., 694
I W. B., 1557
J. B., 1026
J. C., 474
J L., 350
K. R., 42
S., 129, 132
Thornton-Smith, G. J., 1008
Thorp, H. W., 302
R. H., 1045
Thorpe, A., 1194
E , 42
E. W. R., 1020
F T., 508
H , 33
L , 426
W H., 83, 100
W. V , 37
Thorsteinson, A. J., 811
Thosar, Y. V., 1373
Thothadri, S., 1353
Thouless, R. H., 83, 98
Threlfall, M. S , 912
Threlfell, R. L., 1178
Thresh, H. R., 35
Thrift, H., 1770
Thring, M. W., 507
Thrush, B. A , 81
Thukkar, M. M., 1266
Thurgar, C. J. L., 144
Thurston, H A., 61
J. P., 109
Thussu, S N., 1328
Thyagaraju, A. F., 1248
A. S., 1249
Thyne, D. E., 689
J. M., 125
Tibbetts, R. W., 40
Tibbitts, E. L., 538
Tibble, J. W., 568, 570, 571, 573, 1559
Tibbs, D. J., 147
J., 161
S R., 422
Tickle, R. J. S., 1513
W. H. F., 412
Tickner, W. K., 1012
Tide, L. T., 1509
Tideswell, F. V., 507
Tiedt, J., 1155
Tiegs, O. W., 1006
Tierney, J. J., 1785
L. J., 172
M., 1782, 1785
Tietjens, O. G., 1445
Tiffen, R. W., 251
Tighe, A. G., 557
Tijare, R. A., 1375
Tikekar, V. V., 1371
Tikku, P. N., 1328
Tilak, B. D., 1280
Mrs. K., 1265
Tilakasiri, J., 1453
Tilek, V. D., 1386
Till, Rev. B D., 100
J. R., 130
W., 396, 414
Tillekeratne, L., 1455
Tillett, A C., 981
M. G., 33
Tilley, A. D., 801
A. R., 876
C. E., 87, 99
Tillmann, H. G., 1529
Tilloo, K. N., 1371, 1378
Tillotson, A., 96
G., 249
Mrs K. M , 245
M. C , 870
Tillott, A. F. T., 1030
Tilly, H. S. J., 1090
Tillyard, E. M. W., 100
Timberlake, E. M., 245
Timell, T E., 776
Timlin, M. F., 903
Timmer, B. J , 280
Timmons, C. J , 425
P. S., 137
Timoney, J. R., 1786
Timothy, J. D., 1376
Rev N., 1222
Tims, S. R., 265
Timur, M., 1461
Tinbergen, N., 451, 1140, 1207
Tincker, M. A. H., 586, 588
Tindal, A , 626
Rev. W. S., 597, 609
Tindall, F., 873
Tingley, A J., 744
Tinker, H. R , 293
Tinne, C. E., 470
J. E , 626
Tinney, S. C., 1786
Tinsley, Rev. E. J., 155
J., 492
Tiphane, M., 825
Tipman, E., 699
Tipnis, K. B., 1325
Tipper, Mrs C. F., 91
C F. H., 188
Tirmizi, S. M. A., 1476
Tirugnanasambandam, P., 1254
S., 1253
Tirumalacharya, 1385
Tisdale, P. K., 812
Tissières, A., 102
Titch, F. J., 250
Titchen, D. A., 95
Titchener, A. L., 1106
Titchmarsh, E. C., 444, 465, 486
Tite, K., 450, 464
Titlestad, R. M., 1163
Titmuss, R. M., 273
Titterton, E. W., 993, 1074, 1518
Tittley, J. R., 863

Tiwari, B. B., 1424
I. D., 1422
N. M., 1377
Mrs. P., 1344
R. S., 1413
S. P., 1372
Tizard, J. P. M., 369
Tjomsma, B., 1187
Tobe, M. L., 137
Tober, K., 1132
Tobias, P., 1193
R., 912
Tobin, Rev. C., 890
J. J. W. O'H., 406, 422
Tocher, F. E., 583
K. D., 257
Tod, D. L. M., 156
H., 611
M. C., 422
M. N., 38
Todd, A. C., 565
Sir A. R., 80, 97, 1288
C., 1178
E. C. E., 714, 720
F. M., 1076, 1078
Miss H., 158
J. A., 86
J. D., 470
J. P., 637, 640
M., 991
R. B., 912
R. M., 195
T. R. R., 606
Todrick, A., 40
Toerien, L. I., 1186
M. J., 1193
Toews, V. K., 684
Toh, C. C., 1514
Tokhi, M. R., 1369, 1378
Tolani, M. N., 1411
T. N., 1406
Tolansky, S., 285
Tole, P. M., 1283
Tolhurst, J. A. H., 77
Tolkien, C. R., 471
J. R. R., 442, 464
Tolson, J. E., 510
Tom, M. I., 932
Tomacelli, E., 1773
Tomasch, J., 874
Tomaselli, U., 1193
Tombs, D. M., 256
Tomkeieff, Mrs. O. G., 140
S. J., 139
Tomkins, W. L., 711
Tomkinson, A., 285
Tomlin, D. H., 495
E. M., 109
S. G., 983
Tomlinson, F. R., 1165
L., 442
M. L., 440, 473
P. A., 1052
P. P., 60
R. H., 800
T. B., B.Sc., 518
T. B., LL.B., 1001
Tompkins, A. B., 1530
F. C., 255
J. M. S., 284
Tompsett, S. L., 603
Toms, E., 621
Tomson, J. H., 1526
Tones, R. M., 131
Tong, Mrs H., 1511
R. P., 279
Tongaonkar, B. R., 1322
Tonge, C. H., 143, 144
Tongue, Rev. D. H., 71
Tonkin, R. D., 367
R. W., 602
Tonning, D. J., 748
H. O., 748
Toogood, J. A., 694
Toohey, J. L., 1070
Toole, F. J., 847
Tooley, M. J., 246
O. M., 307
Toombs, F. C., 925
M. P., 903
Toor, P. S., 1324
Tooth, A. S., 639
Toothill, J., 321
Tooze, M. J , 985
Topa, I., 1381
Topalian, S., 292
Topkhane, S. B., 1333
Topley, W. E , 187
Topping, A., 384
C. W., 716
Mrs. M. P., 284
Topsfield, L. T., 84, 89, 104
S. C., 563
Torchinsky, B. B., 906
Torchio, M., 1453
Tordoff, W., 1525
Torpy, D. C., 439
Torr, Mrs. B., 405
J. B. D., 395
Torrance, R. W., 449, 467
Rev. T. F., 597
Torrens, D. S., 1774
R. W., 958
Torres, M., 913
Torrie, A., 146
Torrington, Mrs., 420
R. F., 420
Torto, F. G. T. O'B., 1524
Tossell, W. E., 940
Tougas, G. R., 718
Tough, J. S., 629
Toulmin, G. H., 103
S. E., 165, 448, 573
Toupin, Rev. A., 865, 866
Tourangeau, F. J., 826
Tourigny, Rev. I., 866
Touschek, B., 635
Tousignant, C., 763
Tout, H., 308
Tovell, W. M., 921
Tovey, G. H., 65
Tower, D. B., 786
Towers, B., 79
G. H. N., 775
J. R. H., 170
K. G., 168
Towler, E. R., 96
J. H., 174
Towndrow, F. E., 1025, 1029
Towneley-Worsthorne, S. P.
E. C. W., 447, 470
Townend, G. B., 188
J., 309
P. P., 176
Towns, F. W., 400
Townsend, A. A., 88, 99
G. E., 851
G. F., 939
H., 502
M. G., 784
R. L. H., 1136
S. L., 1009
S. R., 781, 786
W., 300
W. N., 168
Townsin, R. L., 140
Townsley, W. A., 1063
Toy, R. H., 1105
Toynbee, A. J., 271
J. M. C., 81, 109, 115
Tozer, A. H. D., 188
Tracy, C. A., 903
G. F., 927
H. L., 871
M. J., 1782
Train, D., 297
Trainor, L. E. H., 873
Tranar, W. J., 1008
Tranchell, P. A., 87
Trant, G. I , 939
Trapnell, B. M. W., 470
Trapp, J. B., 500
Tratman, E. K., 63
Travis, A., 844
G., 1060
Traynor, J. A., 726
Treacy, P. B., 993
Treadgold, W. M., 950
Treanor, Rev. P. J., 439
Trease, G. E., 427
Treasurer, C. N., 1269
Treatt, V. H , 1048
Tredennick, H., 284
Tredre, R. F., 385
Tree, Rev. R. J., 579
Treffry, C. J., 727
Tregarthen, G. G. T., 143
Tregear, Mrs. N., 1506
T. R., 1504
Tregonning, K. G., 1512
Trehair, E. B., 1204
Treharne, R. F., 531
T. L. G., 256
Treharne-Williams, M., 287
Treherne, A. J., 157
Treitel, G. H., 275
Treleaven, L. M., 1102
Treloar, A., 619, 633
H. M., 1004
Tremblay, A., 760
G., 765, 769
G. W., 769
J., 832
J. L., 759, 764
L., 829
L. P., 859
M., 765, 772
N., 863
R., 765

Tremblay, V., 829
Tremble, G. E., 787
Tremlett, W. E., 620
Trempe, F., 769
Trend, J. B., 97, 119
Trendall, A. D., 992, 996
Trengrove, J. J., 1168
Trenkner, S , 109
Trent, P., 251
Trenwith, A. B., 137
Trépanier, E., 764
Tresidder, M. I., 935
Tress, H. J., 507
R. C., 58
Treston, H. J., 1791, 1794
Trethewey, W. H., 920
Trethewie, E. R., 1004
Trethowan, W. H., 409
Treusch, Rev. E. J., 908
Trevan, J. W., 306
Trevaskis, J. R., 81, 104
Trevelyan, C. H., 85, 101
G. M., 106, 121
M., 207
Trevena, D. H., 532
Trevethick, R. A., 509
Trevor, D., 372
D. T., 324
J., 1090
J. C., 79
Trevor-Jones, E., 1042
Trevor-Roper, H. R., 446, 460
P. D., 366
Trevoy, L. W , 903
Trew, V. C. G., 244
Treweek, A. P., 1044
Tria, E., 313
Triantis, S., 925
Tribe, D. E., 68, 76
H. T., 90
M., 266
Tricaud, M. L., 1144
Trickett, R., 473
Triebel, L. A., 1063
Trigg, C., 544
Trigge, Rev. H. H., 1036
Trigunayak, G. S., 1228
Trigunayat, K. C., 1258
Trikha, S. N., 1308
Trikojus, V. M., 999, 1013
Trim, J. L. M., 307
Trimingham, J. S., 618
Trinca, A. J., 1007
Tripathi, C., 1241, 1242
G., 1259
K. D., 1229
K. S., 1224
L. K., 1226
P. K., 1308
R. K., 1413
R. N., 1403
R. P., xxxi, 1421
R. S., 1259
S. D., 1224
Y. J., 1266
Tripathy, K. P., 1434
Trippett, S., 162
Tristram, G. R., 647
H., 301
Trites, A. E., 726
Tritsch, F. J., 29
Trivedi, A. K., 1324
B. S., 1336
C. M., 1245
D. C., 1323
G. K., 1266
Mrs. T. K., 1369
U. J., 1325
V. B., 1338
V. J., 1324
V. R., 1325
Trollope, D. H., 1007
Tromp, R. D., 1183
Tropper, Mrs. A. M., 281
H., 280
Trost, W. R., 743
Trotman-Dickenson, A. F., 596
Trott, A. L., 530
S. M., 1063
Trotter, G. D., 1774
P. A., 331
W. D , 1093
Trottier, J P., 828
M., 765
Troughton, A., 533
Trouson, N., 152
Trowell, H. C., 1536
Mrs. K. M., 1534
Trubshaw, W. H. D., 1204
Trudeau, Rev. R., 857
Trudel, H., 832
M., 763, 771
Rev. R , 859, 864, 867
Trudgian, H. M., 134
Truell, R., 435
Trueman, Sir A., 1502
E. R., 155, 157
G. E., 726
K. R., 814
Truesdale, A. M., 148
Trueta, J. A., 453, 470
Truman, J., 452
T. C., 1033
Trumble, H. C., 991
Trump, H. J., 631
Trumpelmann, G. P. J., 1187
J., 1175
Truscott, B. M., 93
J. D., 811
R. B., 939, 942
Truska, C., 827
Truslove, G. M., 304
Truswell, A. S., 1136
Truter, E. V., 176
Mrs. M. R., 161
R., 1186, 1190
S. J., 1146
Trypanis, C. A., 444, 461
Tso, E. H. Y., 1505
Tsou, S. T., 1504
Tsutu, S., 1315
Tuba, J., 689
Tubb, J. A., 1506
Tubbs, A. E., 32
F. A., 360
F. R., 389, 391
H. H., 790
O. S., 350
Tucci, Prof., 1403
Tuck, H. P., 1063, 1065
J. A., 840
J. P., 122, 138
R. H., 492
W. D. C., 720
Tucker, A. N., 292
Rev. C. J., 469
F. R., 814
G. N., M.D., 698
G. N., Ph.D., 719
G. S. L., 1000
Rev. H., 843
H. F. G., 70
M. K., 1203
R., 1034
R. D., 1136
S. H., 618
S. I., 59
Tuckfield, P. C., 998
W. J., 1006
Tuckwell, E. G., 349, 350
Tudhope, Mrs. C. J., 646
G. R., 509, 650, 652
R. G., 638
Tudor, G. D. C., 565
Tudway, R. C., 67
Tufail, M., 1476
Tuft, P. H., 599
R. J., 1027
Tull, E. H., 959
Tulloch, A. K., 650
D. M., 655, 1525
N. A. B., 602
W. J., 649
W. S , 608
Tully, J. P., 715
R. I. J., 540
Tulpule, S. G., 1405
Tumelty, J. J., 621
Tunbridge, R. E., 170
Tungor, S. V., 1377
Tunis, M., 788
Tunnell, O., 1504
Tunnicliffe, H. E., 88, 99
Tunstall, W. C. B., 272
Tuplin, W. A., 506, 511
Tupling, G. H., 400
Tupper, L. A., 801
R. de H., 790
W. R. C., 748
Turbott, G. G., 1108
Turcot, J., 767, 769
Turcotte, A., 765
M., 761, 769
Rev. R., 865
Turgeon, G. R., 775, 786
H., 766
J., 764, 766
J. P., 792
P., 830
P. P., 766
Turkington, J., 1107
Turko, M., 726
Turley, R., 136
Turlington, E. R., 300
Turnau, E. A. O., 736
Turnbull, A. D., 913
D., 140
F. A., 728
J., 822

Turnbull, J. E., 939
J. H., 29
M. R. M., 1111
P. E., 649
W., 787
Turner, A. C., 950
A. L., 1003
B. E., 346
Mrs. B M. A., 404
C. E., 257
D. G , 61
D. M., 168
E. A., 40
E. C., 28
E. E., 244
E. G., 230, 302
Miss E. G., 515
E. O., 844, 848
E. P., 404
F. C., 507
F. J., 736
F. McD. C., 102
G., 959
G. C., 169
H. A., B.Sc., 427
H. A., M.Sc., 412
H. A. F., 397
H. D., 510
Canon H. E. W , 123, 130, 455
H. J. A., 1026
H. M., 508
H. W., 76
J., 781
J. S., M.A., 1467, 1473
J. S., M.Sc., 164
J. S., Ph.D., 999
J. W. A., 349
J. W. C., 108
L., 395
L. B., 101
Mrs. M., 424
M. W., 1503
Sir R., 290
R., 1135
R. B., 403
Rev. R. R., 428
R. W. D., 603, 607
Rev. V. G., 448, 471
W. D., 77
W. H. K., 645
Turner-Davis, M. T., 793
Turney, T. A., 1110
Turpin, C. C., 1144
K. C., 438, 465, 491
Turrell, A. J. W., 506
Turtill, K. S., 1108
Turton, E. C., 67
L. M., 537
Turvey, J. R., 537
R., 271
Turville, A. D , 958
Turville-Petre, E. O. G., 442
Mrs. J. E., 473
Tushinzham, A. D., 874
Tustin, A., 32
Tutin, T. G., 568, 573
Mrs. W., 568
Tutte, W. T., 923
Tutton, G. K., 411
Twamley, B. E., 940
Tweddell, J. T., 875
T. N., 876
Tweed, R. D., 537
Tweeddale, J. G., 257
Tweedie, A. S. R., 814
W. W., 652
Twine, S. W., 1132
Twisleton-Wykeham-Fiennes, R. N., 1523
Twiss, J. F., 882
Twist, W. D., 44
Twiston-Davies, Sir L., 560
Twomey, M. K., 1105
Twum-Barima, K., 1523
Twyman, E. S., 1177
Tyagi, B D., 1222
B. S., 1224
S. N. S , 1223
Tyers, K G., 59
Tyhurst, J. S., 788
Tylecote, M., 416
R. F., 140
Tyler, C., 492
D. H., 981
Rev. E., 899
G. R., 416
J. E., 504
J M., 284
R. D., 257
Tylor, T. H., 452, 458, 460
Tymms, R. V., 285
Tynan, A., 456
Tyndale, O. S., 796
Tyrrall, E., 664
Tyrrell, E. P., 96
G. W., 620
H. J. V., 502
Tysoe, W. F., 726
Tyson, A. G., 986
A W., 458
M , 394, 401

Ubbelohde, A. R J. P., 255, 1789
Uddin, A., 1223
Udvardy, M. D. F., 724
Uffen, R. J., 958
Ufford, J. R., 911
Uglitzky, Mrs. Z., 1005
Ukas, M. W., 922
Uldall, E. T., 600
H. J., 1528
Ullah, M. A., 1329
Ullendorff, E , 646
Ullmann, S., 164, 635
W., 85
Ulrich, E. G., 1017
Umarji, R. R., 1333
Umaruddin, M., 1235
Un Po, 1505
Unbegaun, B. O., 448, 459
Underdown, T. H. J., 77
Underhill, F. H., 921
Underwood, E. A., 308
E. J., 1068, 1072
F., 427
G. L., 1543
R. G., 236
V. P., 304
Underwood, W. E., 1203, 1205
Unger, J., 34
Ungku Abdul Aziz, 1512
Ungley, C. C., 145
Unni, K. N. S., 1350
Unrau, J., 694
Unsöld, A., 422
Unsworth, M. A., 190
S. V., 197
Unthank, H. W., 564
Unune, S. K., 1407
Unwin, Mrs. C., 815
Upadhyay, H., 1386
K. D., 1223
S. P., 1229
Upadhyaya, B. S., 1223
C. D , 1344
P. K., 1226
R., 1423
R. V., 1322
V. N., 1324
Upadrastha, V K., 1251
Upasani, L. R., 1308
Uphall, M., 730
Uppal, K. D., 1305
P. N., 1308
Uppin, M. S., 1332
Upton, A. F., 164
C. J. F., 1003
Urbain, Mme. M. L., 503
Urdhwareshe, P. W., 1372
Ure, Mrs. A. D., 493
P., 139
Urich, H., 66
Urmson, J. O., 448, 460
Urquhart, G. M., 630
Mrs. G. M., 277
M. C., 873
M. L., 1063
R. M., 501
Urs, B., 1363
Ursell, F., 86, 102
H. D., 165
Urwin, C. R., 256
J. R., 981
K., 545
Usha, A. H. S., 1349
Usher, B. D., 786
C. M., 609
G. A., 538
J. L., 872
R. D., 940
Usiskin, S. R., 723
Usmani, M. A. H., 1487
Ussher, R. G., 662
Ussner, W. R., 714
Utarid, Rev. W., 1357
Uttar Pradesh, Gov. of, 1221, 1233, 1258, 1336
Uys, A. M., 1186
C. J., 1152
J. F., 1186
Uytman, J. D., 651
Uzair, M., 1466

Vable, D., 1222
K. R., 1222
Vachaspati, 1323
Vachher, S. L., 1307
Vachhu, S. L., 1307

Vachon, Mgr. A., 773
L., 860
L. A., 764
Vahey, Rev. T. J., 918
Vahiduddin, S., 1383
Vaid, K. B., 1306
Vaidhi, Shrimati, 1388
Vaidya, K. M., 1371
L. S., 1384
M. G., 1375
M. S., 1372
P. M., 1267
R. M., 1321
S. B., 1369
S. D., 1332
V. B., 1303
Vaidyalingam Pillai, P., 1253
Vaidyanatna Aiyar, S., 1252
Vaidyanthan, N., 1355
Vail, G. F., 853, 854
Vaillancourt, E., 761
J., 858
R., 862
Vaines, J. C., 190
Vaish, J. N , 1304, 1313
K. N., 1341
L. P., 1412
R. K., 1223
R. L., 1229
S. S., 1344
Vaishnav, S. A., 1324
Vaishwanar, Mrs. I., 1368
P. S., 1377
Vaisrub, S., 812
Vaithilingam, S., 1254
Vaizey, J. E., 104
Vajravelu Mudaliar, P., 1253
Vakharia, P., 1266, 1270
Vakil, C. N., 1280, 1281, 1326
G. M., 1325
Valatin, J. G., 35
Vale, V., 129, 134
Mrs. V., 132
Valentine, C. W., 514
D. H., 127
F. C. O., 335
J., 172
J. A., 1090
L., 176
M. G., 587
Valentino, A., 826
Valieth, G. D., 1355
Valin, E., 864
R., 762
Valiuddin, M., 1382
Valkhoff, M., 1195
Vallance, K. B., 205
T. G., 1044
Vallée, A., 832
Y., 832
Vallentine, H. R., 1026
Vallentyne, J. R. W., 870
Vallerand, J., 827
Vallières, H., 764
Vallillee, G. A., 776
Vallis, V. T., 1036
Valois, A. B., 826
Valteris, K., 42
Valuet, M., 982
Van Abbe, D., 982
van Alphen, G., 1164
Van Alstine, R. S., 690
van As, B. S., 1183
van Berchem, D., 313
Van Biljon, I. J., 1188
van Biljon, W. J., 1195
van Blerck, L. W., 1136
van Broekhuizen, H. H., 1175
Van Cleave, A. B., 903
Van de Vliet, E., 1133
Van den Berg, J. A., 1155
Van den Bergh, A. J., 1164, 1171
Van Den Brink, J. N. B., 593
Van den Ende, M., 1098, 1134, 1136
Van den Heever, C. M., 1193
Van der Byl, J., 1152
Van der Gucht, R. E , 1134
van der Horst, L., 1160
S. T., 1131
Van der Loon, P , 94
van der Merwe, A. B., 1188
C. A., 1152
Mrs. E., 1183
F., 1152
G. W., 1167
H. J. J. M., 1183
I R , 1152
I. W., 1133
J. H., 1183
J. H., Ph.D., 1165, 1196
J. J. R., 1187
L. G., 1183
P. J., D.Litt., 1187
P. W., 1185
Van der Merwe, J. S., 1156
P. J., M.A., 1156, 1158
Van der Poel, J., 1132
Van der Riet, F. G., 1177
van der Sprenkel, O. P. N. B., 293
Van der Spuy, G. Z., 1187
van der Walt, A. J. H., 1183
A. J. v. N., 1158
B. G., 1152
B. J., 1183
I. H., 1164
J. A., 1183, 1184
J. J. A., 1157
P. J., 1157
S. P., 1157
T., 1155
van der Watt, J. J., 1189
Van der Westhuizen, S. B., 1151
W. M., 1187
van der Westhuysen, H. M., 1164
Van Deventer, B., 1156, 1159
van Dongen, L. G. R., 1201
van Drimmelen, G. C., 1170
van Dyk, H. A. A., 1186
T. A., 1183
Van Eeden, B. I. C., 1185
D., 1158
H. S., 1189
J. A., 1158
van Engelen, Rev. H., 1423
Van Essche, M., 1132
Van Grutten, W. N. C., 96
van Heerden, H. J., 1171
H. J. O., 1152
J. S. P. K., 1165
Van Heerden, E , 1186
Van Heyningen, C., 1195
Mrs. R. E., 453
W. E., 453
Van Hille, J. C., 1179
van Hoepen, H. E., 1201, 1203
van Huysteen, J. A., 1163
Van Kooten, C. H., 1158
van Lennep, E. W., 1557
Van Lingen, B., 1200
van Loggerenberg, Rev. J. H., 1153
van Lohuizen, Mrs. J. E., 94
van Niekerk, A. F., 1151
E. G., 1191
S. E., 1165
van Nieuwenburg, Prof., 670
van Pletzen, R., 1153
van Rensburg, D. H., 1162
W. J., 1152
Van Rensburg, B. F. J., 1183
J. P. J., 1185
van Rooy, C. A., 1151
H. C., 1155
J. C., 1155, 1160
Mrs. J. C., 1158
Van Rooy, D. J., 1155, 1157, 1158
Van Rooyen, C. E., 934, 941
G. H., 1153
van Schalkwyk, A. W., 1151
T .G. D., 1133, 1189
Van Schouwenberg, Mrs. L. J., 1152
van Selms, A , 1164
van Sommers, P., 1005
van Steenberghen, Very Rev. F., 670, 1789
van Straubenzee, J. H., 415
van Themaat, H. V., 1187
V., 1152
Van Vliet, H., 905
M. L., 688, 693
Van Waasdyk, T., 1194
Van Wagner, F. M., 790
van Warmelo, N. L., 1164
P., 1168
van Wijk, T., 1183
van Wyk, C. B., 1152
E. B., 1162
L. P., 1165
S. P., 1188
Van Wyk, A., 1133
van Zyl, A. H., 1164
G. J., 1165
Van Zyl, A., 1196
A. E., 1196
F. J., 1156
Vandal, J. O., 759
Vandall, P. E., 707
Vandendriesen, I. H., 1452
Vanderweele, F. G., 1526
Vandry, Mgr. F., 758, 770, 772
Vankata Rao, C., 1247
Vanmali, B. D., 1370
Vansidhar, V., 1382

Vant, J. R., 696
Vanterpool, T. C., 903
Vanzetti, F., 1070
Varadachari, S. T. G., 1249, 1250
V., 1350
V. V. R., 1251
Varadaraja Aiyer, E. S , 1254
Varadarajan, M., 1350
S., 1304
Varadayah, V. V., 1385
Varadpande, B. N., 1369
D. V., 1375
K. V., 1369
Vardachariar, S., 1307
Varde, V. P., 1324
V. R., 1267
Varey, J. E., 316
Vargas, J., 841
Vargese, Mrs. S., 1343
Varghese, T. P., 1430
Varin, Rev. F., 1350
Varis, S. A., 1402
Varkey, M. O., 1225
Varley, D. E., 425
E. W. B., 63
G. C., 435, 451, 462
J. H. O., 55
W. J., 1524
Varma, A. S., 1339
Sir B. R., 1427
D., 1241
D. P., 1389
G. S., 1336
H. C., 1341
H. K., 1311
H. P., 1343
I. D., 1341
J. G., 1226
K., 1427
K. K., 1226
K. L., 1412, 1414
K. P., 1266
K. S., 1275
M. A., 1371
P. N., 1229
P. S., 1274
R. K., 1241
R. N., 1411
R. R., 1348
R. S., 1222
S. C., 1344
S. N., 1226
Y., 1343
Varna, M., 1378
Varnavides, P. L., 1557
Varshney, B. G., 1237
R. L., 1339
Varshneya, D. P., 1223
Vartak, G. R., 1405, 1407
Varty, E. K. C., 575
Varughese, M., 1355
Vasey, G. H., 998
Vashi, D. G., 1267
Vashishta, S. P., 1309
Vasquez, J., 831
Vass, C. C. N., 359
Vassallo, V., 1520
Vasudeva Murty, A. R., 1445
Vasudeva Rao, A., 1363
Vasudeva Rao, S., 1364
Vaswani, N. K., 1417
S. P., 1322
Vati, L., 1395
V., 1310
Vaughan, Rev. B. N. Y., 579
D., 715
D. W., 543
E. A., 167
F. M., 422
G., 30
J., 1099
J. M., 472
J. R., 746
L. C., 288
R., 756
R. C., 1504, 1507
R. E., 1553
V., 900
V. E., 854
Vautier, M. H., 1107
Vaz, E. W , 913
Vazivani, V. N., 1303
Veal, T. H. P., 32
Veale, A. W. L., 1098
Sir D., 438, 460, 1501, 1502, 1527, 1559
J. A., 1114
Vedam, K., 1422
Vedasiromani, J., 1353
Vedavalli, M. C., 1361
Vedpathak, D. K., 1369
Veit, G. M., 1800
Veitch, Mrs. J., 609
Velayudham, C.K., 1356
S., 1351
Vella, Rev. A. P., 1519
S. L., 1519, 1520, 1521
Vellaivaranam, K., 1254
Vellasamy, K., 1514
Veness, T., 251
Vengsarkar, S. G., 1284
Venhatesan, V. K., 1252
Venkanna, D. S., 1356
Venkata Rao, C., 1247
N., 1350
P., 1446
S., 1360, 1364
Venkatachala Murthy, H., 1363
Venkatachallem, S., 1388
Venkatachari, K., 1387
V. P., 1384
Venkatacharulu, M., 1387
Venkatachary, B. T., 1385
Venkatakrishnappa, B. S., 1447
Venkatanarayana, G., 1248
Venkatanna, G., 1253
Venkataraghaviah, 1383
Venkataraman, G., 1351
K., 1279, 1281, 1288
K. S., 1264
M., 1349
T. K., 1350
Venkataramanan, E., 1253
Venkataramania, T. R., 1306
Venkataramappa, K., 1362
Venkataramiah, C., 1355, 1356
Venkataramiya, H. S., 1362, 1364
Venkatarayuda, T., 1247
Venkatashamanna, 1363
Venkatasubban, K. R., 1351
Venkatasubramanian, N., 1350
Venkatavadhani, D., 1383
Venkatchala, S., 1389
Venkatesh, C. S., 1303
Venkateshwar Rao, C., 1385
Venkateswaralu, K., 1253
Venkateswaran, C. S., D.Sc., 1427, 1428
C. S., Ph.D., 1254
Mrs. K. G., 1258, 1260
P. A., 1356
Venkateswarlu, A., 1247
J., 1247
V., 1246
Venkatramiah, K., 1388
Venket Rao, G., 1246
Venkobacharya, 1384
Venn, J. A., 103
Venne, L., 824
Venning, B. H., 413
E. H., 785
P., 300
Venter, C. N., 1157
E. A., 1152
E. H., 1153
H., 1155
H. J., 1165
K. D., 1183
Ventress, R. G., 1146
Ventris, M. G. F., 302
Venugopal, M. S., 1355
Venugopalachari, S. V., 1355
Venugupal, K., 1351
Vera, Mother M., 1353
Sr., 1403
Verblunsky, S., 660, 667
Verdier, E. T., 1177
Vereker, C. H., 192
Verge, W., 768
Vergheese, K. I., 1436
Verghese, N., 1355
Verhage, J. A., 1133
Verhoef, P. A., 1188
Verini, E. M., 119
Verity, T. E. A., 413
Verleger, H., 1165
Verma, A. K., 1402
A. R., 1310
B. L., 1306
D. D., 1308
I. B., 1228
I. M., 1394
Mrs. J., 1403
J. K., 1369
M. K., 1221
M. R., 1227
M. S., 1259
N S.. 1372
R. B., 1371
R. C., 1228
R. K., 1310
R. P., D.Sc., 1343
R. P., LL.B., 1340
S. C., 1336

Verma, S. K., 1340
S. N., 1226
Vermes, P., 251
Vermooten, I. R., 1169
Verner, C., 313, 435
Vernet, A. R., 662
Verney, D. V., 192
E. B., 93, 98, 1776
Vernon, C. A., 301
F. W., 721
K. C., 1549
M. D., 495
P. E., 234, 1088, 1098
S., 28
Verreault, J. E., 769
Verschelden, M., 832
Verschingel, R., 911
Versey, H. C., 164
Versfeld, M., 1133
Versteeg, J., 783
Verster, O. J., 1168
Verulam, Earl of, 355
Vesey, G. N. A., 266
Vetten, K. B., 1199
Vézina, C., 769, 771, 772
Rev. L. P., 864
N., 826
Viatte, A., 772
Viau, G., 777
H., 863
Vicary, T. C., 1293
Vick, F. A., 576
Vickers, G. G., 564
G. S., 917
H. R., 508
J. M. F., 928
T. H., 1035
Vickery, V. R., 851
Victor, A., 1136
R. J., 1355
Vidhyarthi, N., 1225
R. C., 1229
Vidjkar, K. G., 1225
Vidler, Canon A. R., 69
Vidor, M., 192
Vidwans, D. B., 1280
Vidyarthi, D. P., 1403
M. L., 1226
R. S., 1229
Vidyasagar, P., 1386
Viger, R. J., 787
Vignaux, P., 833
Vigneau, R., 882
Vijayaraghavan, K., 1254
Vijayrangam, T. K., 1269
Vijaysarathi, S. P., 1386
Vile, M. J. C., 563
Viljoen, D. J., 1156
G. van N., 1183
Villeneuve, C. O., 758
Vimal, K. P., 1337
Vimalananda, T., 1452
Vinaver, E., 159, 398
Vinay, J. P., 826
Vince, D., 494
Vincent, C. H., 598
C. J., 871
E. A., 444
E. R. P., 86, 98
Vincent, G., 866
H. C. G., 1133
J. M., 1041
R., 860
S. A., 658
W. J. N., 515
Vineberg, A. M., 789
P. F., 776, 781
Vinet, Prof., 151
Vingoe, R. H., 745
Vining, P. L., 70
Vinnels, C. H. M., 801
Vinnicombe, E. J., 59
Vint, J., 61
Vion, Rev. L., 1283
Vipond, H. J., 137
Vipradas, Y. R., 1226
Viragh, Rev. A., 900
Virdi, D. S., 1372
Virgo, S. R., 177
Virupakshyappa, V., 1386
Vishen, P , 1376
Vishnoi, H. S., 1311
Vishwanathan, B., 1384
M S., 1304
Visick, Mrs. M., 1504
Vishweshwariah, M. N., 1375
Visser, D. J. L., 1164
P. G., 1186
Visvanathan, T., 1455
Viswanadham, K., 1245
N., 1247
Viswanath, A., 1222
G., 1251
Viswanathan, R., 1302, 1308, 1314
R. K., 1253
Visweswaraiya, B. S., 1447
Visweswaran, K , 1254
Vithayathil, J., 1446
Vithianathan, S., 1453
Vitkovitch, B., 397
Vivian, R. P., 785, 791
Vlasto, A. P., 89
Vocking, F., 1530
Vogan, H. J., 1048
Vogel, A. I., 391
Vogelpoel, J. C., 1163
L., 1135
Vogt, M., 603
Vohra, M. L., 1307, 1310
Voisey, A. H., 1020
Volans, P., 162
Volkoff, G. M., 722
Vollans, E. C., 245
R. F., 305
Vollum, R. L., 453
von Bertalanffy, L., 857
von Bertouch, R. V., 1062
von Haast, H. F., 1088
von Klüber, H., 79
von Leyden, W., 129, 131
von Lindheim, B., 134
von Maltzahn, K. E., 743
von Mises, H. G., 949
Vonwiller, G. B., 1048
Vora, R. D., 1370, 1371
Vores, S. P., 1354
Vorster, H. R., 1152
Vorster, J. A., 1165
J. H., 1164
P. J. C., 1145
W. G., 1147
Vosloo, G. J., 1186
Vosper, A. G., 647
Voss, V., 1165
Vouillem, A., 503
Vowels, R. E., 991, 1026
Vowles, D. M., 495
E., 913
K. D. J , 558
P. F., 1534
Voyer, Rev. R. M., 833
V., 765, 864
Vukelich, L. G., 734
Vyas, B. M., 1258
C. D., 1325
K. B., 1282
M., 1343
S. G., 1280
V. A., 1325
V. D., 1323
Vyawahare, M. L., 1373
Vytilingam, K. I., 1356
Vyvyan, J. M. K., 107
M. C., 393

Waas, M. J., 1454
Wacey, G. M., 233
Waddams, Canon C. D., 104
Waddell, W. H., 940
Waddington, C. H., 601
E., 555
G. W., 764
M., 235
Waddle, N., 1098
Wade, C., 692
E. C. S., 92, 99
E. G , 407
H. J., 407
H. W. R., 92, 107
J. D., 608
J. S. H., 557
O. L., 39
P., 346
W. N. L., 331
W. V., 162
Wade-Evans, T., 409
Wade-Gery, H. T., 464, 491
R. L., 458
Wadge, J., 363
Wadham, S. M., 998, 1013
Wadhwani, T. K., 1447
Wadia, C. N., 1324
Sir N. J., xxx, 1279
Wadsworth, A. P., 475
G. R., 192
W. V., 410
Wager, L. R., 444, 468
Wagge, L. E., 259
Wagh, D. B., 1285
N. H., 1304
Waghmaray, R. G., 1386
Waghmare, R. M., 1325
Waghorne, D., 940, 942
Waghrey, V., 1389
Wagle, G. S., 1226
Wagner, F. W., 518, 520, 521, 523

Wagner, O. J. M., 1196
S., 779
T., 790
Wagstaff, J. E. P., 129
Wahal, K. M., 1342
Wahed, A. K. M. A., 1465, 1469
Wahed Khan, A., 1466
Waheed, A., 1384
Wahhab, S. A., 1468
Wahi, P. N., 1222
Wahid, A. Z. A., 1387
Wahid Mirza, M., 1336
Wahl, J. R., 1178
Waidson, H. M., 154
Waight, E. S., 256
Wain, E. A., 404
J. B., 494
R. L., 319, 320, 321
Waind, Mrs. G. M., 277, 279
Waines, R. T., 928
W. J., 806, 807
Wainman, A. W., 723
Wainwright, F. T., 646
J., 1144
Waismann, F., 448
Waite, C., 151
L., 991
P., 744
Wake, C. J., 595
F. R., 738
Wakeford, Mrs. D. A., 264
Wakeley, Sir C. P. G., 263, 332
J. C. N., 269
Wakely, J., 1136
Wakeman, D. W., 505
Wakhloo, S. N., 1403
Walbank, F. W., 190
Walbaum, P. R., 608
Wald, G., 313
Waldeck, T. J. H., 1142
Walden, C. C., 903
Walder, D. N., 147
P. S., 494
Waldie, J. S. L., 492, 497
Waldock, C. H. M., 438, 452, 457
Waldron, T. P., 89
Waley, A. D., 291
D. P., 271
Walford, A. S. H., 93
W. F., 781
Walimbe, S. G., 1226
Waliullah, M., 1488
Walker, A., 899
A. D., 139
A. E., 1523
A. G., 191
A. H. C., 408
A. M., 401
A. P., 574
A. R., M.A., 957
Alice R., 1045
Canon A. S., 755, 756
A. W., 928
B., 503
B. E., 691
C. E., 483, 1306
D., Manc., 397
D., M.A., 80, 97
Walker, D., Ph.D., 36
D. G., 158
D. G., B.A., 551
D. G., M.B., 342
D. G., M.Sc., 1008
D. H., 1199
D. M., 626
D. P., 304
E., 130
E. A., Camb., 104
E. A., Canada, 872
E. L., 920
F., D.Sc., 1133
F., M.A., 60
F. C., 617
G., 31, 46, 54
G. B., 280, 515
G. C., 936
G. P. L., 257
H. J., 1115
J., D.Phil., 391
J., M.D., 587
J., Ph.D., 36
J., S.A., 1135
J. A. L., 789
J. E., 725
J. M., 454, 470
J. P., 940, 942
J. Z., 627
K. F., 1071
L. C., 693
Rev. L. J., 471
L. M., 611
M. C., 552
Mrs. N. F., 926
N. M., 197
N. T., 582
O. J., 688, 689
P. H., 414
R. B., 1020
R. G., 95
R. L., 927
R. M., Bristol, 67
R. M., Natal, 1150
R. O., 39
R. S., 582
S., 187
S. C. B., 64
T. G., 161
T. H., 303
T. K., 412
T. W., 1115
W., M.A., 650
W., M.D., 144
W. A., 645
W. G., 1006
W. M., 41
W. R., 1028
Walkinshaw, W. M., 927
Walkley, G., 981
Wall, D. J., 38
G. E., 140
T. F., 515
W. D., 31, 44
Wallace, A. B., 605, 607
A. H., 575, 655
A. T., 602
E. S., 1047
F. J., 33
F. M., 1132
Wallace, G. A., 782
H. E., 1106
H. J., 358
J., 1092
J. A., 1775, 1776
J. E., 188
J. F., 506
Mrs. M. E., 84
Mary E., 925
N. G., 1007
O. M., 941
P. R., 778
R. B. P., 207
R. H., B.Com., 1001
R. H., Ph.D., 791
T., 70
W., 1340
W. A., 928
W. P., 918
W. S., 916
Wallace-Hadrill, J. M., 446, 464
Wallas, M. G., 84, 109
Wallbank, F. R. E., 399
S. A., 163
Wallenstein, M., 403
Waller, E. M. L., 205
J. M., 1515
R. D., 405, 415, 416, 418
Walley, C. A., 138
J. E., 277
Wallington, J. E., 155
P. A., 401
Wallis, C. P., 602
D. W., 987
F. S., 60
Rev. J. C., 130, 131
Walls, Rev. A. F., 71
E. W., 339
N., 519
Rev. R. C., 98
W. K. J., 160
Wallwork, S. C., 425
Walmsley, C., 744
H. P., 413
L. C., 918
R., 643, 652
V. G., 551
Waloff, N., 259
Walpole, E. W., 939
V., 1186
Walsh, A. D., 644
A. M., 912
B. J., 764
C. H., 196
C. T., 782
E. G., 600
E. O'F., 346
G. C., 726
H. E., 177
H. H., 782
H. N., 1791, 1794
J. D., 102
J. P., M.B., 1093, 1094, 1096
J. P., M.Sc., 899
J. R., 601
K., 1796
R. F., 1792
W., 597

Walsh, W. H., 448, 464
Walshe, F. M. R., 593
M. O'C., 245
Walter, A., 935, 945
E., 827
O. H., 983
Walters, A. A., 37
H. R., 207
H. V , 121
J. A., 931
M. B., 726
M. C., 55
Mrs. M. P., 278
R. C. P., 1027
R. H., 1108
R. L., 809
R. M., 739
R. N., 108
S. M., 80
T. S., 551
W. E , 565
Walther, D. P., 342
Walthew, F. W., 69
Walton, A., 575
A. W., 162
C. H. A., 812
E. K., 598, 620
E. M., 339
E. T. S., 1771, 1774
E. W., 144
F. P., 415
G., 1524
G. F., 647
H J., 1135
J., 618
J. K., 1107
J. N., 145
K., M.A., 583
K., M.D., 41
L B., 599
R. J., 813
W. S., 147
Walzer, R. R , 454
Wan, S C., 1512
T. S., 1509
Wanamacharya, 1388
Wanamaker, M., 683
Wanchoo, V., 1340
Wanczycki, J. K., 865
Wandelt, M., 1187
Wang, A., 546
C. P., 1518
L., 1518
Wangermann, E., 568
Wankar, V. N., 1377
Wankhede, M. N., 1389
S. K., 1368
Wanmali, V. R., 1371
Wannigama, G. P., 1451
Wansbrough, R. M., 933
T. B., 65
Wanstall, P. J., 279
Warbrick, J. G., 617
Warburg, E. F., 440
M. A., 156
Warburton, F. W., 405
G. B., 598
Warcup, J. H., 987
Ward, A., B.A., 139
A., M.A., 443, 469
Ward, A. F. H., 412
A. H., 1525
A. J., 86, 99
Mme. A. M., 125
A. M., D.Sc., 390, 391
A. S , 694
C. V., 787
D., 600
Sir D., 203
E. E., 32
F. E., 233
F. L., 1028
G. M., 277
G. T., 1513
I. J., 138
J. C., 982
J. M., 1044
J. P., 1091
J. T., 319
J. W., 1119
L , 1525
M. C. L., 1372
M. I., 521
N. L., 335
N. M., 905
O. G. F., 1026
R. E , 505
R. V., 786
S. G , 36
Mother W., 1284
W. R., 400
Ward-Perkins, C. N., 441, 460, 466
Ward-Smith, H., 931
Wardale, A., 1093
W. L , 598
Warde, J , 564
Wardell, A., 928
Warden, A. M. B , 640
E. M , 781
W. M., 235
Wardlaw, C W., 394, 395, 1501
W., 249
Wardle, E. N., 197
K. L., 35
R. A., 810
Wardman, A. E., 493
H W., 1524
Wardrop, K. W., 256
Wareing, P F., 395
Warfe, J. E., 1011
Warffemius, C. A. L., 1196
Warhadpande, U. R., 1375
Warhurst, E., 396
Warin, R. P., 64
Waring, H., 1071
Sir H. J., 261
J., 1032
S. A., 1031
Waris, H., 275
Warlow, G. L., 938
Warman, Rt. Rev. F. S. G., 491
Warmington, B. H., 58
E. H., 211, 249
W. A., 1530
Warne, F. J., 60
L. G. G., 395, 422, 1375
Warnekar, S. B., 1375
Warner, A. J., 1535, 1538
E. C., 324
F. S., 327
H. M., 876
J. P., 721
M., 1423
Mrs. P., 1535
R. K., 1030
W. J. N., 96
W. L., 82
Warnock, F. V., 664
G. J., 448, 464
Mrs. H. M., 448, 473
Warrack, A. J. N., 509
Warren, A. A., 847
A. J., 727
F. L., D.I.C., 1142
F. L., Ph.D., 335
G. C., 687
H. V., 719
J. B., 722
J. Le B., 1092
J. W., 205
Mrs. O. M., 1004
P. S., 691
Sir V., 635
W., 371
Warren-Evans, D., 274
Warrender, J. H., 623
Warrick, C. K., 144, 147
Warriner, D., 240
Warrington, H. C., 410
Wartski, I., 292
Warty, 1386
S. S., 1269
Warwick, F. W., 1772
G T., 34, 573
R., 395
T , 600, 608
Wasawo, D., 1534
Washburn, A. L., 777
Wasi, M., 1229
Wasim, M., 1468
Wasimuddin, M., 1471
Wass, S. H., 328
Wasserman, Mrs. R., 912
Wassermann, A., 301, 313
G. D., 140
Wasserstein, A., 619
Wasson, T. C., 1375, 1377
Wasteneys, H., 930
Watchorn, E., 119
Waterfield, A. B., 207
Waterhouse, E. K., 29, 54, 439
F. L., 648
G., 671
I. K., 1005
J. A. H., 39
Waterlow, J. C., 1544
Waters, D., 811
D. W. M., 465
E. T., 546
F. W., 799
H., 194
K. H., 1062
R. F., 563
W. A., 440, 458
Waterson, A. P., 93
Mrs. N., 293
Waterston, Mrs. E., 912

Waterston, W., 602
Watkin, E. E., D.Sc., 532
E. E., M.A., 138
H. G., 1031
Watkins, A. G., 555
D. E., 291
J. H., 538
J. W. N., 273
S. B., 264
T. A., 532
Watkinson, D., 640
G., 170
Watling, J. L., 306
Watson, A., 584
A. B., 143
A. I., 1774
A. J., B.A., 89
A. J., M.B., 557
A. J., Ox., 450
D. H., 619
D. J., 391
D. M. S., 43, 309
E., B.A.Sc., 714
E., M.A., 531
E. E., 873
E. J., 191
E. M., M.D., 960
E. M., Ph.D., 1096
E. R., 160
E. V., 493
F. D., 464
F. R. B., 77
G., 319
G. M., 427
G. R., 425
G. S., 1005
H. E., 307
H. G. I., 779
I. A., 1041
J. E., 935
J. K., 958
J. M. R., 427
J. P., 1549
Sir J. S., 223
J. S., 446, 460
J. W., 598
Mrs. J. W., 737
K. K., 1026
Mrs. K. M., 644
K. T., 811
M. B., 589
N., 1119
O. C., 96
P., 161
P. C., 68
P. D., 447, 463
Rev. P. S., 38
R., 907
R. E., 683, 686
R. J., 626
R. S. S., 1456
S. J., 601, 610
S. W., 1179
T. J., 406, 422
W., 691
Very Rev. Dr. W. A., 671
W. B., 1091
W. H., 924
Watson-Baker, R., 1557
Watson-Jones, Sir R. W., 336
Watson-Munro, C. N., 1112, 1113
Watson-Williams, E., 64
H. B., 1070
Watt, A. C., 1201
A. S., 80
C. S., 660
D. E. R., 646
D. M., 601
G. V., 205
Rev. H., 665
H. M. R., 592
I. B., 1198
I. C., 30
J , 196
J. A., 600
J. C., 930
J M., 1202
K. D., 1119
L., 411
L. G., 631
M. N., 1089
P., 1020
W. M., 596
W. S., 581
Wattenberg, E., 128
Watters, R. E., 717
Wattie, N. I., 627
Watts, A., 720
C. T., 1549
F. B., 809
F. G., 264
G. S., 737
P. R., 1060
Mrs. S. B. W , 144
W. A., 153
W. P. T., 147
Waud, R. A., 961
Waugh, D. O. W., 788
H. L., 999
T. R., 788
W., 333
W. R., 957
Waverley, Visct., 244, 369
Way, A. G., 249
J. A. H., 619
Wayburne, H., 1199
Waygood, E. R., 775
Wayne, E. J., 515, 628
Wayper, C. L., 96
Waywell, C. G., 939
Wazalwar, V. V., 1440
Wazir, Justice J. N., xxx, 1328
Weale, K. E., 255
Weall, J. A., 940
Wearmouth, W. G., 496
Weatherall, M., 336
Weatherley, P. E., 424
Weaver, B. M. Q., 288
C., 639
J. R. H., 1771
M. M., 713, 724
Webb, C. G., 1513
C. R., 280
D. A., 1771
E., 729
E. C., 80
E. G., 939
F. W., 494
Webb, Mrs. G. C., 1529
G. W., 96
J. C., 1030
J. E., 1529
J. S., 257
K. R., 517
L. C., 994
M. G., 570
M. J., 159
P. M., 1193
P. R. H., 427
R. A , 346, 347
R. G., 1010
R. M., 1046
R. W., 638
V. L., 1198
W., 347
Webber, G., 780
L. R., 941
W. E , 690
W. J., 923
W. S. L., 392
Weber, B., 624
E. J., 692
G., 508
J. H. E., 203
O. von, 1183
S. W., 784
Webster, A. B., 645
A. M. D., 249
Sir C. K., 275
D. E., 131
D. R., 789
D. W. K., 1077
E. C., 779
G. H., 1134
Mrs. H , 737
H. C., 1034
H. J., 556, 558
J., 502
Mrs. J., 809
J. B., 666
J. M., 39
J. R., 550
J. T., 638
R. G., 172
T. B. L., 302, 310, 313, 435, 573
T. S., 809
W M., 1119
Weck, R., 91
Weddell, A. G. M., 382, 438, 465
Wedderburn, K. W., 92, 97
Wedgwood, J. A., 906
Weeden, W. J., 979
Weedon, B. C. L., 255
Weekes, B., 1771
G. A., 119
K., 88
Weeks, D. C., 80
M., 55
W. G. R., 142
Weerakone, A. C. J., 1454
Weerawardena, I. D. S., 1452
Weetch, R. S., 509
Weevers, T., 245, 247, 249
Wegelin, A. W., 1158
Wei Kwei-Sun, 1439
Weidenhofer, L. E., 1064

Weidmann, S. M., 169
Weightman, J. G., 264
Weil, P. G., 786
R. J., 749
Weiler, Rev. A. J., 707
H., 1027
Weiner, J. S., 439
T., 848
W., 41
Weingaertner, E., 1447
Weingreen, J., 1775, 1776
Weinlos, C. H. W., 698
M , 697, 698
Weinstein, W., 258
Weinstock, S., 441
Weintroub, S., 519
Weinzweig, J. J., 935
Weipers, M., 630
W. L , 630
Weir, A. H. W., 609
A. J., M A., 623
A. J., Ph.D., 281
C. D., 586, 625
Rev. C. J. M., 621
I. B. L., 651
J., 1523
J., D.Sc., 620
Jenny, 873
J. B. de V., 623
J. R., 806
T. R., 809
Weir-Wilson, S., 1052
Weis, P. R., 403, 414
Weiskopf, H., 205
Weiss, A. R., 983
D., 791
F. E., 422
J., 137
K., 1027
K. E., 1171
P. F. D., 1188
R., 305
Weisskopf, V. F., 448
Weisz, G., 304
Weitzman, S., 235
Weizmann, C., 422
Welbourn, D. B., 91
Rev. F. B., 1537
R. B., 664
Welbourne, E., 98
Welch, A. J. E., 255
B. L., 165
G. B., 1026
Mrs. L. M., 745, 750
Weld, C. B., 745, 750
Weldon, A. M., 784
J. C., 776
T. D., 448, 463
Welford, Rev. A. T., 89
M. F., 569
Welingkar, L. N., 1283
Welland, D. S. R., 426
Weller, E. P., 99
F. C., 1509
Wellesley, K., 597
Wellesz, E. J., 447, 462, 491
Wellington, Duke of, 571
J. H., 1195
Wellmuth, J. J., 1060
Wells, Dr., 159
Wells, A. F., B.Sc., 1512
A F., M.A., 159, 441, 468
A. K., 265
A. P., 473
C A., 197, 205
D. B., 30, 44
F. A., 425
G. A., 304
G. P., 309
J., 63
L. H., 595
M. K., 304
W. A. N., 982
Wellwood, A. A., 939
R. W., 718
Welman, H. G., 1153
Welsford, E. E. H., 83, 109
R., 224
Welsh, A., 1194
H. L., 924
J. R., 38
S., 501
W. K., 933
Welter, C. P., 1535
Wemyss, P., 1112
Wenden, D. J., 208
Wendt, R. A., 739
Wenham, H. T., 1119
Rev. J. W., 71
Went, F. W., 321
Wentworth-Ball, P., 1150
Wepener, F. J., 1162
Werbeloff, L., 1136
Weresub, L., 807
Wermenlinger, D., 761
Wernberg-Møller, P., 403, 414
Werner, R. L., 1025
Wernham, A. G., 647, 652
J. C. S., 738, 924
R. B , 445, 470
Werth, I., 167
Wertheim, D. G., 872
Wesley, A., 161
Wesley Smith, H. E., 987
Wessels, B. Q., 1171
L. M., 1169
P., 1168
West, A. C., 589
A. S., 870
A. W. H., 1107
B. L., 664
B. O., 981
C. B., 285
D. A., 502
D. R. F., 258
F. J., 994, 1111
F. L., 839, 840
G. B., 651
H. F., 508
I. D., 1134
J. C., 397
R. G., 80, 97
R. W., 389
T. S., 30
West Bengal, Gov. of, 1290, 1439
West-Oram, F. G., 507
Westbrook, E. C. J., 737
Westby, G., 155
Westcott, C. H., 779
Westcott, I. M., 551
J. H., 256
Westergaard, J. H., 309
Western, J. H., 168
J. R., 400
Westfal, S. S., 624
Westfold, K. C., 1044
Westhead, P., 64
Westlake, H. D., 396
Westley, W., 780
Westoll, T. S., 139
Weston, A. B., 692
E. W., 319
I. W., 1114
J. D., 140
Westphal, E. O. J., 293
Westrop, M. E., 1458
Westrope, A. T., 199
Westropp, C. K., 472
Westrup, J. A., 447, 469
Weststrate, C., 1099, 1103
Westwater, J. O., 631
Wetherall, Rev. T. S., 131
Wetmore, F. E. W., 917
Wettenhall, H. N. B., 1010
Wettlaufer, J. J., 957
Weve, H. J. M., 1098
Wevers, J. W., 923
Wexler, P. J., 398
Wey, Rev. J. C., 918
Weyers, W. H., 1146
Whaite, H. C., 235, 514
Whalan, Mrs. D., 1053
Whale, A. H., 1108
G. B. M., 545
Whalley, A. G. C., 872
M., 256
W. B., 187, 205
Whalley-Tooker, H. C., 92, 98
Wharfe, H., 136
Whatley, F. R., 1060
Wheare, K. C., 449, 457, 475
Wheatcroft, J. F., 30
Wheater, D. M., 496
Wheatley, E. E., 848
P., 1512
P. J., 161
Wheaton, Mrs. A. G., 984
F. L., 1558
Wheeler, A. L., 808
B. M., 696
D., 819
D. J., 108
D. K., 1069
D. M. S., 1772
E. A., 389
J. A., 841
J. R., 663
Sir M., 228, 229
O., 781, 912
R. C., 881
T. S., 1783, 1785, 1789, 1790
Wheeler-Bennett, J. W., 471
Wheelwright, E. L., 1043, 1046
Whelan, R. F., 660
Wheldon, J. T., 144
Whelton, A., 1793
Whetham, E. H., 90, 109

Whetton, J. T., 175, 183
Whewell, C. S., 176
Whidden, E. M., 684, 685
J. M., 688
Whiffen, D. H , 29
Whigham, J. E., 640
Whillis, J., 327
Whimster, M. L., 848
Whinney, M., 224
Whinnom, K., 1505
Whipple, S. R., 186
Whitaker, A. M., 1134
A. P., 313
B. L., 263
C W., 517
F. P. G., 163
H., M.Sc., 161
H., Trinidad, 1549
Dr. H , 184
J. F. M., 917
J. H. McD., 569
Mrs. K. P. K , 291
Mrs. M. J., 1132
M. P., 1090
P. H., 186, 197
S. F., 620
W., 506, 508
Whitby, Sir L., 92, 98
L. G., 102
White, Mrs. A. B., 109
A. J., 655
A. L., 1107
A. R., 155
B. M. I., 315
B. S., 770
C., 55
C. M., 256
Mrs. D., 403
D. E., 1068
D. J. B., 301, 309
D. L., 693
D. M., 400
D. N., 874
E. G., 192
E. P., 876
F., 443
F. D , 807
F. P., 86, 104
F. T. M., 1032
G. M., 748
H. M. O., 1773
H. P., 1524
H. R., 277
I. A., 941
I. G., 1046
Mrs. I. H. B., 1179
J., 504
J. C., 372
J. D., 373
J. E. C. T., 224
J. F. D., 1100
J. M., 783
J. P., 627
J. S., 806
K., 37
K. D., 1177
K. M., 495
L. T., 917
L. W. T., 1130
M., 815
White, M. E., 918
M. M., 1051
M. W., 1030
M. W. P , 517
N. H., 1041
N. L., 363
O , 415
O. N., 1036
P., 495
P. C. T., 922
Mrs. P. M., 429
R. J., 85, 98
S., 544
S. A , 388
T. C., 626
V. E., 1549
W., 730
W. H., 719
White-Cooper, R. C., 300
Whitear, J. D., 90, 500
M., 309
Whitehead, F., 398
F H., 440
F. I H., 30
F. S., 235
J. E. M., 507
J. H. C., 447, 463
J. R., 779
L. G., 279
T., 540
W. E., 792
Whitehouse, F., 1060
F. W., 1033
H. L. K., 80
Mrs. W. A., 132
Rev. W. A., 130
Whitehurst, J. S., 562
Whitelaw, D. M., 725
J. C., 765
J. W., 726
W., 42
Whiteley, C. H., 36
Rev. D. E. H., 455, 462
E., 131
H. J., 515, 556
S., 1177
W. H , 1536
Whitelock, D., 442, 473
Whiteman, E. A. O., 446, 472
J. H. M., 1132
Whiteside, M. G., 1010
W. C., 698
Whitfield, A. G. W., 39, 40
E., 415
E. V., 570
I. C., 31, 37
J. H., 34
J. W., 308, 313
Whitford, F. J., 666
Whitham, G. B., 401
Whiting, Rev. C. E., 126, 134
G. C., 70
H. P., 62
M. C., 396
R. H., 696
W. A., 234
Whitington, L. A., 982
Whitley, Rev. C. F., 526, 538
Mrs. E. M., 293
Whitman, R. L., 727
Whitmore, B. G , 810
E F., 904
R. L., 427
Whitney, J. C., 288
Whitrow, G. J., 257
Whittaker, J. M., xxix, 501
M., 425
Whittam, R , 508
Whittard, W. F., 60
Whittem, J. H., 1046
Whitten, G. H. T., 280
Mrs. J. M., 281
Whitteridge, D., 600
Whittet, T. D., 363
Whittick, G. C., 137
Whittingham, C. P., 80
Whittington, B., 251
W. E., 510
W. J., 428
Whittle, C. H., 93
E , 544
E. G., 67
G., 1101
H. D., 722
Whittock, T. G., 1132
Whitton, P. W., 1008
W. K., 993
Whittow, G. C., 1514, 1515
Whitwell, F., 196
Whitwill, M. C., 507
Whitworth, A , 279
F. E., 738
J. V., 129, 130
T., 444, 466
Whyte, A. H., 147
J. H., 689
M. B. H., 172
R., 648
Wiard, Rev. H. D., 82
Wibberley, G. P., 318
K., 297
Wicht, C. L., 1188
Wickens, G. M., 94
Wickham, G. W. G , 58
N., 193
Wickland, R. E., 941
Wickramaratne, P. H. de S. 1454
Wickremanayake, G. H., 1452
Wickremasuriya, C., 1452
Wicks, J. A., 1099
M. J., 1512
S. G., 808
Widdas, W. F., 356
Widdess, Rev. A. G., 131
Widdicombe, J. G., 467
Widdowson, T. W., 266
Widgerow, C., 1199
Widhani, K. L., 1228
Widrich, E., 1204
Widwans, D. G., 1372
Wieder, N., 393
Wiedeesheim, R. M., 1133
Wieffering, C. J., 1187
Wiehahn, B. S., 1166
Wiemann, H., 1002
Wiener, F., 785
F. I., 189
R. M., 782
Wiercinski, Abbé S., 833

Wiesenberg, E., 304
Wiesner, A. E., 187
K., 847
Wig, K. L., 1397, 1398
Wigan, L. G., 33, 45
Wigdor, B., 780
Wigforth, B., 189
Wiggins, L. F., 1548, 1549
R. L , 697
Wigglesworth, L. A., 306
V. B., 80, 100, 313
Wight, G. E., 786
R. J. M., 272
R. M., 568, 570
Wightman, D. R., 31, 34
E., 125
F., 319
K. J. R., 931, 934
W. A., 162
W. P D., 583
Wiglesworth, F. W., 788
Wigley, J. E. M., 324, 377, 991
Wild, B. M., 1187
D. H., 1164
J. A., 1187
Wijenaike, W., 1455
Wijerama, E. M., 1455
Wijeratne, D. J., 1453
Wijesekera, O H. de A , 1453, 1458
Wijesundera, S., 1456
Wijnholds, H. W. J., 1166
Wikkramatilleke, W. A. R., 1452
Wikramanaye, T. W., 1456
Wilberforce, R. O., 457
Wilcher, L. C., 1555, 1557
Wilcock, A. A., 1001
B., 515
W. L., 402
Wilcockson, W. H., 503
Wild, A., 492
E., 401
E. H., 1179
F., 93, 98
J. L., 958
L. J., 1086
L. N., 531
N., 405
Wilde, J., 147, 224
J. E., 166
Wildi, T., 761
Wileman, M. A., 83, 109, 113
Wiles, G. C., 1196
P., 340
P. J. de la F., 442, 465
R. M., 798
Wilford, F. A., 284
Wilkes, E. W., 140
G. A., 1043
M. V., 86, 105, 116, 313
R., 145
Wilkie, A. L., 789
D. R., 307
J., 501, 508
J. M., 119
J. R., 164
J. S., 308
Wilkins, C. J., 1099
R. G., 502
Wilkins, R. J., 303
W. H., 461, 469, 470
Wilkinson, A. C., 497
A. E., 1204
A. W., 588
B., 921
C. H., 443, 469
D. H., 88, 100
E., 582, 589
E. A., 681
E. H., 319, 321
E M., 304, 313
F. A H., 784
F. C., 370, 377
Mrs. G. A., 245
H. C., 715
H. J., 1035, 1037
H. R., 188, 189
J., B A., 552
J., Ex., 562
J., M.Sc , 1020
J., Ph.D., 127
J. F., B.A., 602
J. F., M.D., 407
J. H., 366
J. S., 288
Rev. J. T., 414
J. V., 1007
L. P , 81, 101
P., 503
S., 187
V , 442
Wilks, I. G , 1525
Willan, T. S., 397, 399
Willatt, J. F., 128
Willcock, G. D., 284
M. M., 106
Willcox, A., 339
B., 275
J. S., 168
R. R., 356
Willee, A., 1004
Willemse, J., 1164
Willesden, Bishop of, 315
Willetts, H. T., 403
R. F., 30
Willey, B., 69, 83, 102
F. J. L., 109
Williams, A., 620, 659
A. H., 71
A. H., B.Com., 563
Mrs. A. H., 70
A. I. J., 61
A. J., B.A., 1068
A. J., B.Sc., 35
A. J. G., 998
A. J. S., 530
A. L., 1010
A. W., M.D., Camb., 1536
A. W., M.D., Edin,. 587
B. A. O., 465
B. R., 575, 576
C., 560
C. B., 391
C. H., 265
C. H. M., 930
C. M., 1002
C. Q., 986
C. R., 552
C. R. F., 1189
Williams, Rev. C. S. C., 455, 464
D., M.A., 531
D., M.D., 370
D., Ph.D., 254, 257
D. A., 556
D. C., F.R.C.O., 519
D. C., LL.B., 659
D. C., Ph.D., 925
D. E. P., 539
D. H., 725
D. H. d'A., 1512
D I., 331
D. J., 353
D. R., 535
E., B.A., 533
E., Ph.D., 542, 544
E. G., 1198
E. I. F., 670
Mrs. E. M., 234
Eirian M., 503
Ethel M., 544
E. M. V., 454
E. R., 356, 373
E. T., 458, 483
F. C., 397
F. E., 42
F. T., 507
Prof. G., 1527
G., B.Sc , 495
G., D.Sc., 284, 286
G., M.A., 551
G., M B., 146
G., M.Sc., 661
Mrs. G., 246
G. E. O., 40
G. H., 264
G. J., M.A., 546
G. J., Ph.D , 1091, 1096
G. L., B.Sc., 539
G. L., LL.D., 305, 310
G. W., 458, 463, 549
H., B.A., 533
Hilda, 83
Rev. H. A., 108
H. B., 1051
H. B. L., 557
H. G. E., 324
Sir I., 539
I., 538
I. G., 350
J., LL.D., xxxi, 554, 111
J., M.Sc., 564
J. E., 510
J. E. C., 539
J. E. H., 272
J. F., 1009
J. F. A., 1534
J. H., 223, 1549
J. K., 531, 533
J. R., B.A., 220
J. R., B.Sc., 1553
J. W., B.Litt., 646
J. W., M.Com., 1524
K. M., 545
L. H. W., 356
L. R., 729
L. R. A., 1006
L. V., 1340
M., 32, 44
Margaret, 822

Williams, N. A., 808
N. V., 558
O., 1144
O. G., 560
P. F., 1780
P. H., 400
P. M., B.Sc., 1530
P. M., M.A., 446, 462
R., 236
R. A., 631
R. D., 493
R. H., 456
R. H. B., 296
Rev. R. J., 923
Rev. R. N., 526
R. O., 540
R. T., B.A., 127, 132
R. T., D.Sc., 355
S., 618
S. E., 1071
S. J., 552
T. D., 1786
T. E. H., 138
T. H., 813
T. J., 551
T. P., 545, 547
V. A., 1068
W. D., B.Sc., 639, 640
W. D., D.Phil., 189, 471
W. G., 199
W. H., 1179
W. L. G., 796
W. M., 147
W. M., N. Staffs., 575
W. N., 105
Rev. W. R., 526
W. T., 517
W. W., 84, 108
Williamson, A., 1071
A. D., 1514
A. H., 125
B., 613
D. H., 840
D. I., 199
E., 177
E. M., 246
G. M., 169
G. R., 396
G. S., 77
J. H., 660
M. B., 406
R., 93
R. E., 950
Rev. S. G., 1525
W. H., 136
W. H., B.C.E., 1007
W. T. H., 585
Williman, A., 1101
Willings, J. W., 1534
Willink, Rt. Hon. H. U., xxix, xxxiii, 78, 102
Willis, A. G., 1006
A. H., 991, 1027
A. J., 58
A. L., 940
F. E. S., 347
G. M., 1008
J., 413
J. A., 302
J. S., 1506
Willis, L. D., 904
R. A., 171
R. B., 957
R. J., 661
Willmer, E. N., 88, 97
Willmore, T. J., 191
Willmot, A., 1153
Willmott, J. C., 191
R., 1034
Willoughby, E. O., 981
G., 617
Gertrude, 273
L. A., 949
Willcox, G. L., 698
W. M., 621
Wills, B. A., 297
C. G., 941
E P., 1100, 1103, 1114
Mrs. V. W., 32, 44
Willsmore, N. M., 1006
Willson, D. H., 148
H. B., 569
Wilman, C. W., 1146
H., 255
Wilmers, M. J., 331, 370
Wilmot, Mrs. C. M., 1063
G. F. A., 573
Canon L. F., 815
S., 1782
Wilner, S., 788
Wilsdon, K. F., 93
Wilsdorf, D., 1196
Wilshere, A. D., 1535
P. N., 235
Wilson, A., M.A., 415
Rev. A., 899
A., Ph.D., 196
Aileen, 563
A. A. M., 1536
Alice E., 737
Alison E., 627
A. F., 1070
A. G., 147
A. H., 172
A. J., 1452
A. J. C., 546
A. J. N., 396
A. S. B., 1523
A. V., 411
A. W., 1503
C., 336
C. D., 1772
C. D. V., 189
C. H., xxxi, 85, 100
Charles H., 568
C. L., 658
C. M., 775
C. P., 340
C. T. R., 106
D. B., 128
D. H., 1525
D L., 875
D. M., 597
Mrs. D. M., 500
D. R., 695
D. S. P., 411
D. V., 35
E. M., 89, 99, 269
E. V. B., 661
F. B., 1534, 1538
Wilson, F. H. H., 1050
F. P., 442, 464, 491
G., 415
G., F.G.S., 257
G., M.Sc., 175, 177
Gwendoline, 1202
G. E., M.D., 873, 875
G. E., Ph.D., 744, 752
G. H. A., 97
G. L., M.D., 697
G. L., Ph.D., 1031
G. M., 509
G. P., 104
G S., 1119
G. T. J., 1063
H., 196
H. B., 586
H. D. B., 809
H. E. C., 628
H. L., 336
H. S., 919
H. W., 300, 623
I. M., 530
I. R., 1032
J., 502
J., B.Sc., 1548
J., M.A., 235
Mrs. J., 1145
J. C. M., 205
J. E., 570
J. F., 531
J. G., 166, 514, 573
J. H., 1047
J. L. J., 1052
J. M., M.D., 1526
J. M., M.Sc., 1534
J. N., 558
J. O., 760, 762
Justice J. O., 720
J. R., 1043
J. S. G., 272
J. T., 924
J. V. K., 134
J. W., 1028
J. W., M.B.A., 715
J. W., M.F., 718
J. Warren, 493
K., 249
L., 693
M. D., 1340
M. F., 125
M. G., 68
M. H., 575, 576
M. J., 935
M. M., 1009
Mrs. M. M., 1130
M. T., 919
N., 192
N., Ph.D., 712
N. S., 96, 111
O., 790
P. N., 1534
R., Dublin, 1774
R., M.A., 550, 551, 553
R., M.D., 729
R. A., M.D., 726
R. A., Ph.D., 645
F. C., 59
R. D., 1070
R. F., 1094, 1098

Wilson, R. J., 930
Rev. R. J., 665
R. L., 128
R. M., 503
R. P., 1094
R. R., 356
R. S., 993
S., 590
S. A., 780
Mrs. S. H., 643
S. L., 1095
S. S., 442, 459
T., 411, 441, 468
T. E., 1052
T. G., 1107
T. I., 606•
T. S., 698
V. H., 1200
V. W. G., 782
W., F.R.S., 246
W., Ph.D., 29
W. A., 651
W. C., 588
W. H., 199
W. L., 518
W. M. D., 403
W. M. G., 729
W. S , 926, 945
Wilt, J. C., 812
Wilton, T. N. P., 64
Wiltshire, H. C., 430
M. O. P., 62
Wimble, B. J. S., 1194
Winch, P. G., 552
R., 1006
Windeyer, B. W., 339, 340, 963
Windle, S. C., 806
Windsor, A. C. A., 152
Winegard, W. C., 928
Winfield, Sir P. H., 119
R. H., 88
Wingate, J. W. C., 631
Winiata, M., 1108
Winkler, C. A., 776
Winn, A. E., 882
Winner, A. L., 273
Winnett, F. V., 923
Winning, K. M., 1050
Winnington-Ingram, R. P., 264, 317
Winny, J., 106
Winspear, F. G., 688
Winstanley, G. M., 414
J., 1549
Winston, C. F., 1052
D., 1042
F. D. D., 292
Winter, C., 78, 107, 115
E. H., 1536
F. E., 917
H., 1034
H. J. J., 563
L. B., 505
P. A., 821
S., 132
T., 142
T. H., 130
Winterbottom, J. A., 1524
Winterbourn, R., 1106, 1109
Winterton, W. R., 340, 371
Winther, O. O., 53
Winton, F. R., 306, 313
Winzor, F. L., 981
Wipat, M. Y., 1376
Wiren, R. C., 928
Wirick, A., 907
Wirtz, E. A., 189
Wisden, D. E., 518
Wisdom, A. J. T. D., 87, 107
J. O., 272
Wise, A., 163
B., 442
M. J., 271
R., 807
S. F., 882
T., 694
T. F., 1487, 1489
W. S. D., 1549
Wiseley, H. B., 1101
Wiseman, G., 505
H. V., 167, 177
J., 271
S., M.A., 913
S., M.Ed., 405
Sylvia, 776
Wishart, F. O., 930
G. M., 623, 626, 632
J., 634
J. M. A., 89
M. T., 930
P. C. A., 36
Wisner, R. J., 721
Wisnicki, B. P., 714
Wiswell, G. B., 748
Withers, B. T., 1101
Witherspoon, D. F., 939
Withey, J. L., 557
Withnell, A., 509
Witte, W., 583
Wittek, P. A., 292
Wittkower, E., 788
R., 242, 300
Wittrick, W. H., 1047
Witts, L. J., 453, 463
Wjetunga, H. P. S., 1456
Wodehouse, G. E., 916
Wodeyar, S. S., 1331
Woffenden, H. G., 1042
Wofinden, R. C., 66
Wohlfarth, E. P., 257
Wojciechowski, G., 890
Woledge, B., 304
G., 270
Wolf, J., 168
Wolfe, H. R. I., 363
J. N., 925
P. O., 256
S. E., 928
W., 721
Wolfendale, A. W., 402
Wolfenden, J. F., xxix, 492
J. H., 461
Wolff, E., 1063
H., 1135
J., 727
O. H., 41
Wolfowitz, J., 1204
Wolfsohn, H. A., 1005
Wolfson F., 563
Wollheim, R. A., 306
Wollman, D. C., 406
Wolman, B., 407
L., 509
Wolmarans, H. P., 1170
Wolpe, J., 1203
Wolstencroft, H. P., 597
J. H., 166
Womersley, H. B. S., 980
R. A., 663
W. D., 91
Wonders, W. C., 694
Wong, Mrs. A. S. H., 1505
L. G. J., 715
S. L., 1506
T. C., 1504
W. W., 1503
Y. C., 1504
Woo, D. M., 507, 625
Woo-Ming, E., 1544
Wood, A., 531
A. C., D.Phil., 426
A. C., M.A., 156
Mrs. A. C., 1033
A. J., 714
B. D., 808
C. B., 713
C. G., 637
Rev. C. T., 103
D., 609
D. O., 307, 310
D. P. J., 84
D. R., 509
D. R. V., 1052
D. W., 624
E. J., 162
E. W., 701
F. L. W., 1111
F. M., 872
F. W., 694
G. C., 1555, 1557
G. J., 737
G. L., 1017
G. W., 939
H., 736
Helen, 55
H. A., 800
H. C. S., 638
H. J., 269
H. L., 1032
H. L. C., 332
H. S., 136
J., 158
J. A., 905
J. B., 156
J. C., LL.B., 400
J. C., Ph.D., 699
J. F., 141
J. F. D., 1027
J. G., 980, 991
J. J., 184
J. S., 920
J. V., 1007
J. W., 174
Mrs. K., 1282
L. G., 729
L. P., 778
M. D., 415
M. E., 1068, 1071

Wood, O. P., 448, 470
P. D , 494
P. W., 98
R. G., 546
R. K. S., 255
R. O., 429
Rev. R. S., 706
Mrs. S. M., 446
Mrs. S. M. C., 473
T., 1047
T. J , 169
W., 1755
Mrs. W., 755
Wmona, 790
W. A., D.Sc., 1003
W. A., Ph.D., 42
W. G., 63
W. S , 639
Wood-Jones, R. B , 395
Woodbine, M , 429
Woodbury, J. F I.., 748
L. E., 918
Woodcock, A. C., 575
A. S., 196
D., 71
D. M., 70
E. C., 127
J. W., 96
R. C., 409
S. R., 169
Woodford, V. R , 902
Woodforde, Rev. C. W., 465
Woodger, J. H., 339
Woodham, R., 495
Woodhead, A. G., 81, 98
C., 169
H. B., 409
J. H., 504
J. L., 166
N., 535
R. W., 1026
W. D., 776
Woodhill, A. R., 1046
Woodhouse, A. S. P., 919
D. L., 42
J. C., 998
Mrs. L., 246
W. B., 1006
Wooding, K. M., 294
Woodman, D., 67
H. E., 90
Woodroffe, K., 982
Woodruff, A. W., 384
M. F. A., 593, 1094
P. S., 984
W., 436
Woods, A., 959
A. C., 381
C. S., 1000
D. A., 669
D. D., 439, 468
D. S., 808
Rev. G. F., 82, 95, 98
H. D., 776, 781
H. J., 176
I. R., 1143
J. A., 394
Sir J. H. E., 475
L. C., 1044
R. R., 1775
Woodside, M. St. A., 918, 944
Woodsworth, J. G., 691
R. S., 729
Woodward, A., 286
C. V., 445, 467, 1800
G. C., 363, 365
G. W. O., 426
I., 658
J., 68
Joan, 205
J. B., 35
J. L., 1101
J W., 38
L. A., 440, 462
L. D., 1000
L. J, 648
P., 58, 515
T. E , 1031
Woodyatt, C. R., 1543
Woolard, F., 1025
Woolcombe, Rev. K. J., 467
Wooldridge, D., 638
S. W , 228, 264
Wooler, G H , 173
Woolf, B., 601
N., 1136
R., 154
Woolford, A. J., 456
Woolhouse, F. M., 789
Woollam, D. H. M., 78
Woollatt, R. S., 929
Woollcombe, K. J., 455
Wooller, D., 505
Woolley, A. R., 484
J. C , 428
R. L , 647
R v. d. R., 993
Woolmer, R. F., 63
Woolrych, A. H., 164
Woolton, Visct., 394
Woonton, G. A., 779
Wooster, W. A., 87
Wootton, Mrs. B., 246, 573
J. G. G., 456
K. J., 1556
Woozley, A. D., 647
Worden, E. M., 787
Wordie, J. M., 104, 1771
Work, Mrs. C., 362
Mrs. E., 301
T. S., 306
Workman, E. W., 775
Wormald, Rev. B. H. G., 85, 103
F., 223, 266
Wormall, A., 349
Wormell, D. E. W., 1770, 1771, 1772, 1776
T. W., 88
Worner, E. M., 473
H. K., 1007, 1008, 1013
Wörner, K. H., 53, 205
Worrall, G. A., 1555
Worrell, H. G., 911
Worsfold, H. H., 911
Worsley, S. J., 389
Worswick, G. D. N., 442, 463, 573
Wort, D. J., 714
Worth, H. M., 930
Worth, H. R, 510
Worthington, D. B., 205
G A., 1102
Worthley, B. W., 985
M., 986
Wortley, B. A., 400, 422
Wou, P., 291
Wragg, R. B., 502
S. R., 59
Wraith, R. E., 270
Wrangham, D. A., 122
Wrath, Mrs. B., 912
Wrenn, C. L., 438, 466
Wrenshall, C. A., 928
G. A., 931
Wright, A. D., 356
A. J. M., 77
A. L., 623
B. A., 518
B. D., 563
C. A , 313, 922, 915
C. E., 661
C. J. E., 171
C. P., 1251
D. E , 146
D J., 1108
E., 621
E. C , 70
E. M., 584
Edith M., 168
F. J., 605
G. D , 1070
G. F., M.B., 93
G. F , Ph.D , 917
G H , 78
G. P., 328
G. T , 1179
H. A., 602
H. E., 939
H. G., 542
H. M., 188
H. R. C., 1194
J., A.F.C., 364
J., B.Sc., 397
J. A., 205
J. D., 398
J. E., 876
J. F., 468
J. G., B.Sc., 840
J. G., D.Sc., 192, 201, 1501
J. H., 628
J. K., 411
J. L., 1093
J. N., 647
Rev. J. S., 71
J. W., 413
L., 552
L. C., 597
Margaret, 775
Mary, 959
M. K., 1193
M. L., 939
P., 539
P. A., 939
P. G., 307
R. D., 1004, 1013
R. H., 715
R. P., 127, 435
R. R., 199
R. W. H., 1529

Wright, S., 340
S. E., 1045
S. F., 671
T., 35
T. C., 467
T. E., 644, 653
T. G., 626
T. J., 30
W., 520
W. D., 258
W. J. T., 927
Wrighton, R. F., 509
Wrigley, A. J., 359
C., 1537
D. F., 1025
Mrs. H. M., 415
J., 659
J. M., 1558
Wroe, D., 176
Wrong, N. M., 931
Wu, J H. T., 783
K. C., 1504
Mrs. K. C., 1505
L., 942
S. C , 454
Wulff, H. E., 1027
Wurth, W. C., 1024
Wyant, G. M., 904
Wyatt, O. H., 91
P. A. H., 502
T. C., 97
T. S., 117
Wyburn, G. M., 617
Wycherley, R. E , 537, 541
Wyckoff, R. W. G., 299
Wyczynski, P., 866
Wyeth, E. R., 1001
Wyett, E. S , 987
Wyke, B. D., 183
Wykes, O., 1002
Wylie, A. P., 395
Sir F., 491
S , 86, 108
T. S., 639
W. D., 358
Wyllie, A. M., 587
Rev. B. R., 1053
G. A. P., 623
J., B.Sc., 319
J., M.D., 875
Wyman, M., 692
Wyndham, N. R., 1052
Wynn, Rt. Rev. H. E., 102
J. B., 398
W. H., 38
Wynn-Williams, C. E., 258
Wynne, A. J., 168
A. M., 930
I., 801
N. A., 146
Wynne-Edwards, V. C., 584, 591
Wynne-Jones, W. F. K., 137
Wynnyk, A., 699
Wynter, H. L., 1544
Wyper, J. F. B., 587

Xavier, S., 1255
Xuereb, G. P., 1521
J. H., 1520

Yadava, B. P., 1337
M. P., 1229
Yaffe, L., 776
Yagnik, K. S., 1265
Yajnik, A. B., 1283
B. S., 1343
Yale, D. E. C., 92, 97
Yamey, B. S., 271
Yamunacharya, M., 1362
Yanada, S., 291
Yang, V. T., 1506
Yang Yun-Yuan, 1439
Yap, P. M., 1505
Yapp, W. B., 38
Yaqoob, M , 1386
Yarday, R. K , 1226
Yardi, V. T., 1283
Yardley, D. C. M., 452, 470
Yaron, R., 583
Yarrill, E. H., 711
Yarrow, P. J., 563
Yashounsky, Mrs. M. E., 1005
Yasin, M , 1480
Yates, B. G., 285
C. C., 1118
C. H., 911
E. L., 505
E. M., 265
F., 393
F. A., 242
G G., 79
H. B , 509
H. H., 783
J G., 91, 108
J H., 911
P. O., 409
R. A , 531
R. C., 1026
Yazdadi, Z. B., 1388
Yazdani, M , 1381
Yearwood, R. D. E., 1548
Yeates, J. M., 1052
J. S., 1118
Yeats, G L., 790
J. J , 68
J. P., 1187
Yeddanapalle, Rev. L. M., 1350
Yelburgi, B. H., 1331
Yelland, K., 986
Yelle, G , 833
Yemm, E. W., 58
Yeo, K. C., 1506
P. F., 80
R. G , 1198
Yeoh, G. E., 1505
S. A., 1514
Yergeau, J., 829
Yerrayya Pantulu, V., 1246
Yodh, B. B., 1326
Yoffey, J. M., 57
Yoganandam, J., 1424
Yoganathan, B., 1455
Mrs. M., 1455
Yogi, S. B., 1310
Yonge, C. M., 624, 1527
K., 904
Yorath, S. M., 354
Yorke, E. C., 441, 465
R., 520

You, P. S., 1511
Youell, R. F., 166
Youings, J., 564
Young, A., B.Sc., 191
A., L.Sc.Soc., 894, 896
A., M.B., 617
A. D., 279
A F., 518
A. K., 730
A. M., 621
A. W., 786
B., 692
C., B.Arch., 1509
C., M.D., 863
C. L , 546
C. W., 665
D., 176
D. C. C , 644
D. S., 169
E. G., 750
F., 1195
F. G., 80, 108
G., 626
G. M., 457
G T., 440, 462
J., 638
J. A. K , 634
J. F., 586
J. F. T., 810
J. I , 494
J. M., 1003
J. P., 737
J. S , 587
J. Z., 299, 313, 364, 573
L , 256
Leslie, 358
L M., 1144
M., Canada, 822
Margaret, 644
M. D , 726
McL. K., 696
M. L. M , 398, 415
M. R., 428
N. A. J., 411
Mrs. N. H., 1548
R. C. H., 257
R. H., 353
R. M., 410
R. M. R., 96
R. R. R., 187
S., 626
W. A., 875
Rev W. A., 938
W. I. H. S., 89
Younge, E. R., 790
P., 44
Younger, A. J., 635
R. W., 80
Younghusband, E., 273
Youngman, G. P., 309
Youngson, A. J., 83, 99
G. W., 589
Yousufuddin, S., 1386
Yousufzai, H. K., 1466
Yu, M., 1504
Yudkin, J., 277
Yue, S. C., 1505
Yuill, W. E., 504
Yule, G. S. S., 1002
J., 407

Yule, O. J., 929
Yung, C. T., 1503
Yunus, M., 1228
Yusuf, A., 1488
M., 1479
S. M., 1451
Yuzyk, P., 809, 810

Zaborski, B., 737, 777
Zachary, R. A., 665
Zaehner, R. C., 454, 458
Zafrullah, M., Panjab, 1479
M., Utkal, 1436
Zagt, S., 1164
Zaheer, A., 1235
Mrs. R. S., 1341
S. H., 1384
Zaheeruddin, S., 1386
Zahid, M. S., 1479
Zahiruddin Khan, H. M., 1237
Zahoor, M., 1236
Zahra-Neumann, C., 1520
Zaidi, H. R , 1384
M. A., 1389
N. H., 1476
Q. H., 1234
R. H., 1234
S. H., 1494
S. K., 1234
S. M. H., 1468
Z., 1234
Z. H., 1479
Zaimis, Mrs. E. J., 346
Zaina, L. A., 189
Zainal, A. b. A., 1512
Zainulabedin, S., 1383
Zaki, J., 1234
Zakiuddin, M., 1386
Zakriya Nasim, 1481
Zakuta, L., 925
Zaleski, Abbé M., 827
Zalik, S., 694
Zaloha, A. B., 790
Zaman, S. B., 1464
Zammit-Maempel, J. V., 1520
Zangwill, O. L., 89
Zarb, Very Rev. S. M., 1520, 1521
Zarek, J. M., 264
Zaslow, M., 922
Zassenhaus, H. J., 778
Zatman, L. J., 495
Zaver, I. S., 1036
Zawadzki, K. K. F., 138
Zay, N., 828
Zbarsky, S. H., 724
Zeeman, Mrs. E., 83
E. C., 100
P. B., 1188
Zeigler, E. F., 959
Zeiler, F., 809
Zekulin, G., 192
Zeldowicz, H., 727
L., 726
Zelling, H. E., 981
Zepler, E. E., 518
Zernike, J , 1466
Zernov, N., 241, 455, 1430
Zeuner, F. E., 228, 229
Zhala, A. D., 1322
Zia-ud-Din, A., 1478, 1480, 1481
Ziady, F., 1169
Ziauddin, M., 1488
S., 1362
Zienkiewicz, O. C., 598
Ziervogel, D., 1175, 1183
Zietsman, P. J., 1164
Ziman, J. M., 88
Zimmels, H. J., 393
Zinnemann, K. S., 169
Zinober, M., 1203
Zinovieff, A., 950
Zmurkevych, Mrs. S., 866
Zoha, Mrs. F., 1470
S. M. S., 1468
Zohra Begum, 1383
Zong In-Sob, 296
Zore, S. M. Q., 1385
Zubek, J. P., 810
Zuberi, G. B., 1476
H., 1476
I. H., xxxi, 1473, 1491, 1492
M., 1223
Zuckerman, S., 28, 54
Zulauf, A., 1529
Zunnuram, Mrs. S., 1340
Zuntz, G., 396, 414
Zussman, J., 399
Zutshi, B. K., 1264
M. N., 1340
R. K., 1329
T N., 1309
Zwarenstein, H. J., 1133
Zweig, J. P., 913

GENERAL INDEX

Note.—References to subjects which may be studied at every, or almost every, University are too numerous for inclusion, *e.g.* Biochemistry ; Biology ; Botany ; Chemistry ; Classics ; Economics, also Political Economy ; Education ; Engineering, Civil, Electrical and Mechanical ; English Literature ; French ; Geography ; Geology ; German ; History ; Law ; Mathematics, Pure and Applied ; Music ; Philosophy ; Physics ; Physiology ; Politics also Political Science ; Sociology, also Social Science ; Zoology.

Under Medicine, Colleges, Schools and Departments of, will be found references to places where Medicine may be studied. The following Medical subjects which are generally studied are omitted : Anæsthetics ; Anatomy ; Bacteriology ; Dermatology ; Forensic Medicine ; Gynæcology ; Obstetrics ; Ophthalmology ; Orthopædics ; Oto-rhino-laryngology ; Pædiatrics ; Pathology ; Surgery ; Tuberculosis.

Special branches of unlisted subjects may be found in the index, *e.g.* Agricultural Chemistry ; Medicine, Psychological.

Abbreviations : *U.K.* = United Kingdom ; *Can.* = Canada ; *Aust.* = Australia ; *N.Z.* = New Zealand ; *S.A.* = South Africa ; *Ind.* = India ; *Cey.* = Ceylon ; *Pak.* = Pakistan ; *Other Pts. of Cwth.* = Other Parts of the Commonwealth ; *R. of Ireland* = Republic of Ireland.

Abbreviations—
  Names of Univs., xxxvi
  Non-Univ. qualificns., lv
  Univ. degrees, xxxix
Aberdeen Univ., 580
Aberystwyth United Theol. Coll., 526
Aberystwyth Univ. Coll., 530
Academic year : *U.K.*—6. *Can.*—680-1. *Aust.*—971. *N.Z.*—1087. *S.A.*—1128. *Ind.*—1215. *Pak.*—1463. *Other Pts. of Cwth.*—1500. *See also separate Univs.*
Acadia Univ., 683, 793, 854
Accadian, 292
Accountancy : *U.K.*—28, 58, 136, 162, 163, 270, 394, 425, 501, 518, 544, 580, 595, 610, 617, 658. *Can.*—688, 716, 736, 758, 760, 781, 804, 817, 834, 857, 879, 894, 896, 899, 902, 908, 911, 925. *Aust.*—981, 1000, 1038, 1043. *N.Z.*—1099, 1105, 1110. *S.A.*—1130, 1142, 1151, 1155, 1166, 1183, 1194. *Ind.*—1222, 1264, 1284, 1322, 1324, 1325, 1333. *Pak.*—1472. *R. of Ireland*—1772, 1785, 1791, 1796
Acoustics, 191, 300, 1162, 1446
Actuarial Science, 595, 758, 806, 1195
Adelaide Univ., 980
Administration : *U.K.*—28, 90, 273, 399. *Can.*—758, 760. *S.A.*—1143, 1172, 1184, 1205. *Ind.*—1243, 1284. *Other Pts. of Cwth.*—1555
  Archive, 190, 214, 311. *See also* Archives
  Business : *U.K.*—270, 595.—*Can.*—694, 704, 706, 760, 807, 847, 858, 871, 925, 957. *S.A.*—1173. *Ind.*—1294, 1367. *R. of Ireland*—1791. *See also* Commerce and Business
  Business, Inst. of, Tor., 925

Administration (*contd.*)—
Colonial, 270, 441
Economic, 1312
Educational, 180, 405
Engineering, 138
Family, 811
Hospital, 67, 147, 716, 747, 934, 1168, 1200, 1203
Industrial, 413, 639
Institutional, 278, 811, 1091
Native, 1130, 1145, 1151, 1157, 1165, 1183, 1194
Nursing, 1205
Public. *See* Public Administration
Public Health, 410, 664, 727, 934, 1203
Social, 192, 202, 273, 399, 481, 486, 566, 1367
Urban Health, 1203
Admission to Univs.—
Australia, 1635
Canada, 1629
South Africa, 1648
United Kingdom, 1563
For other countries, see respective introductions and separate Univs.
Adult Education. *See* Extra-Mural Studies
Diploma, 432
Nat. Inst. of, 26
Advanced Legal Studies, Inst. of, Lond., 226
Aeronautics, incl. Aeronautical Engineering, and Aerodynamics: *U.K.*—63, 91, 217, 254, 279, 520, 521, 522, 625, 668. *Can.*—721, 926, *Aust.*—1032, 1047. *N.Z.*—1106. *Ind.*—1445
African Studies, 290, 292, 454, 617, 1130, 1177, 1205
School of Oriental and, Lond., 290
Afrikaans, 1133, 1143, 1151, 1153, 1155, 1163, 1179, 1183, 1186, 1190, 1193
Agrarian Affairs, Inst. of, Oxford, 451
Agra Univ., 1221
Agricultural—
Accountancy, 610, 834
Bacteriology, 142, 168, 586, 589, 601, 661, 791, 905, 1787
Biochemistry, 586, 980, 998, 1118, 1165
Agricultural (*contd.*)—
Biology, 1555
Book-keeping, 589
Botany: *U.K.*—90, 142, 168, 428, 492, 532, 539, 586, 588, 661. *Can.*—834. *Aust.*—1041. *N.Z.*—1118. *Ind.*—1323, 1332. *Other Pts. of Cwth.*—1553. *R. of Ireland*—1787
Chemistry: *U.K.*—142, 168, 259, 319, 428, 492, 532, 539, 601, 618, 661. *Can.*—791. *Aust.*—986, 998, 1032, 1041. *S.A.*—1145, 1165, 1188. *Ind.*—1225, 1290, 1332, 1368, 1381. *Other Pts. of Cwth.*—1555. *R. of Ireland*—1787
Economics: *U.K.*—59, 90, 142, 168, 271, 318, 397, 429, 441, 451, 485, 492, 532, 586, 589, 610, 632, 661. *Can.*—713, 791, 810, 897, 939. *Aust.*—1041. *N.Z.*—1114. *S.A.*—1145, 1165, 1188. *Ind.*—1221, 1225, 1279, 1381. *Other Pts. of Cwth.*—1529
Economics Res. Inst., Oxford, 451, 485
Engineering: *U.K.*—90, 142, 429, 589, 611, 632. *Can.*—694, 713, 791, 810, 851, 906, 939. *Aust.*—998. *N.Z.*—1114, 1118. *S.A.*—1145, 1165, 1188. *Ind.*—1242, 1323, 1332, 1381. *Other Pts. of Cwth.*—1553
Entomology, 70, 142, 1114, 1166, 1332, 1529
Law, 1114
Machinery, 90, 142, 168, 589, 834, 1119
Mechanics, 714, 906
Meteorology, 1553
Microbiology, 429, 1041
Physics, 791
Res. Council Unit of Plant Nutrition, Brist., 71
Res. Insts. and Stns.: *U.K.*—70, 148, 389, 390, 451, 485, 533, 590. *Aust.*—986, 1055. *S.A.*—1148. *Ind.*—1313
Zoology: *U.K.*—168, 429, 540, 586, 589, 624, 632, 661, 1118. *R. of Ireland*—1787

Agriculture: *U.K.*—70, 90, 123, 142, 167, 211, 213, 214, 215, 318, 389, 390, 391, 428, 429, 451, 485, 492, 493, 527, 533, 538, 539, 562, 585, 588, 601, 610, 624, 631, 661. *Can.*—694, 713, 758, 791, 793, 810, 817, 823, 834, 851, 895, 905, 907, 909, 938. *Aust.*—986, 987, 998, 1031, 1041, 1065, 1068. *N.Z.*—1084, 1085, 1114, 1118. *S.A.*—1138, 1145, 1153, 1165, 1181, 1188. *Ind.*—1223, 1225, 1227, 1242, 1248, 1252, 1259, 1277, 1286, 1290, 1302, 1313, 1318, 1323, 1332, 1356, 1365, 1368, 1381, 1397, 1406, 1413, 1434, 1436. *Cey.*—1451. *Pak.*—1469, 1482, 1487, 1494. *Other Pts. of Cwth.*—1523, 1529, 1534, 1540, 1548, 1552, 1555. *R. of Ireland*—1777, 1783, 1784, 1787, 1792
Colls. of: *U.K.*—318, 431, 562, 588, 610, 631. *Can.*—793, 834, 851, 938. *Aust.*—987. *N.Z.*—1114, 1118. *S.A.*—1190. *Ind.*—1225, 1227, 1242, 1248, 1259, 1277, 1296, 1313, 1318, 1323, 1332, 1356, 1365, 1381, 1397, 1406, 1434. *Pak.*—1469, 1482, 1494. *Other Pts. of Cwth.*—1548, 1552
Colonial, 441, 451
Crofting, 589
Farm Buildings, 589, 611
Farm Equipment, 818
Farm Management, 180, 810, 851, 905, 1114, 1381
Farm Mechanization and Engineering, 142, 168, 493
Science applied to, 390
Tropical, 1529, 1548
See also Agronomy, Husbandry
Agronomy: *U.K.*—168, 485. *Can.* 714, 791, 851. *Aust.*—986, 1031. *S.A.*—1145, 1166. *Ind.*—1221, 1332, 1381. *Other Pts. of Cwth.*—1553
Albert Agric. Coll., Ireland, 1788
Albert Mansbridge Coll., nr. Leeds, 177
Alberta Univ., 688, 793
Algology, 199
Aligarh Muslim Univ., 1233
All Souls Coll., Oxford, 457
Allahabad Univ., 1240
Allan Memorial Inst. of Psychiatry, McGill, 788
Alma Coll., Ont., 961
Alnwick Training Coll., Northumberland, 125
Altaic Languages, 94
American Academic Relations, Anglo-, 1799-1802
American Studies, 394, 1773, 1799-1802
Andhra Univ., 1245
Anglican Theological Coll. of British Columbia, 730
Anglo-American Academic Relations, 1799-1802
Animal Behaviour, 451
Husbandry. *See under* Husbandry
Nutrition, Rowett Inst. of Res. in, Aberd., 590
Population, Bureau of, Oxford, 451, 486
Products Research Foundation, 985
Science. *See* Husbandry, Animal
Annamalai Univ., 1252
Anstey Coll. of Phys. Educn., Warwicks., 51
Anthropology: *U.K.*—79, 113, 123, 136, 214, 300, 395, 481, 531, 595. *Can.*—716, 780, 800, 916. *Aust.*—988, 994, 999, 1042. *N.Z.*—1089, 1105. *S.A.*—1183. *Ind.*—1274, 1290, 1303, 1316, 1336, 1348, 1409. *Other Pts. of Cwth.*—1538
Asian, 294
Cultural, 294, 481
Indian, 294
Physical, 186, 300, 439, 481
Social: *U.K.*—79, 167, 270, 403, 439, 456, 595, 630. *S.A.*—1130, 1145, 1165
Apiculture, 589, 611, 632, 818, 834, 851, 939
Appointments Boards. *See all U.K. Univs. and: Can.*—686, 703, 730, 741, 770, 791, 804, 866, 878, 915, 938, 963. *Aust.*—989, 1012, 1015, 1039, 1058, 1066, 1071. *S.A.*—1139, 1149. *Ind.*—1299, 1319, 1366, 1405, 1428. *Other Pts. of Cwth.*—1517, 1532, 1539. *R. of Ire-*

Appointments Boards (*contd.*)—
land—1779, 1784, 1789, 1795, 1798
Aquinas Coll., N. Adel., 987
Arabic: *U.K.*—94, 123, 129, 213, 292, 403, 454, 596, 618, 653. *Ind.*—1233, 1240, 1259, 1290, 1303, 1322, 1325, 1328, 1329, 1336, 1340, 1349, 1363, 1368, 1382, 1385, 1386, 1387, 1388, 1401, 1403, 1409, 1439. *Cey.*—1451. *Pak.*—1465, 1478, 1481, 1487, 1493. *Other Pts. of Cwth.*—1556. *R. of Ireland*—1775
Aramaic, 61, 94, 215, 454, 1786
Archæology: *U.K.*—79, 94, 127, 137, 187, 214, 224, 228, 300, 400, 439, 519, 543, 630, 658. *Can.*—917, 944. *Aust.*—1042. *S.A.*—1130, 1193. *Ind.*—1264, 1349, 1421. *Other Pts. of Cwth.*—1522. *R. of Ireland*—1791
British, 228, 564
Celtic, 528, 1785, 1796
Chinese, 224, 944
Christian, 1520
Classical, 81, 190, 300, 439, 596, 644, 1772
Egyptian, 302
Environmental, 228
European, 187, 228, 439
Far Eastern, 94, 291
Greek, 493
Homeric, 439
Indian, 94, 228, 290, 1349
Inst. of, Lond., 228
Irish, 1773
Islamic, 292
Mediæval, 445
Mesopotamian, 228
Near Eastern, 228, 401, 439
Palestinian, 228
Prehistoric, 113, 187, 228, 596
Romano-British, 127, 137, 162
of Roman Provinces, 228
of South-East Asia, 291
Technique of, 228
Western Asiatic, 228
Architecture: *U.K.*—79, 123, 136, 187, 212, 213, 214, 300, 395, 403, 501, 527, 541, 543, 547, 589, 596, 637. *Can.*—714, 780, 807, 834, 857, 908, 928. *Aust.*—987, 999, 1014, 1025, 1031, 1042, 1065. *N.Z.*—1087, 1105. *S.A.*—1130, 1142, 1162, 1193. *Ind.*—1259, 1268, 1283, 1303, 1312. *Other Pts. of Cwth.*—1503, 1519. *R. of Ireland*—1783, 1785
Civic, 311
Ecclesiastical, 187
For Town Planning. *See* Town and Country Planning
Landscape, 123, 141, 188, 309, 493
Naval, 140, 194, 589, 622, 639, 664. *See also* Engineering, Marine
Schools of, 79, 300, 395, 548, 589, 641, 714, 807, 928, 1109, 1130
Archives, 190, 239, 311, 1283. *See also* Admin., Archive
Arctic Research Inst., McGill, 794
Ardhamagadhi, 1322, 1325, 1331, 1332, 1333
Armenian, 292
Armidale Teachers' Coll., N.S.W., 1022
Armstrong Coll., Newcastle, 122, 148
Art: *U.K.*—29, 68, 74, 79, 94, 123, 139, 163, 198, 220, 224, 235, 291, 300, 389, 439, 487, 493, 499, 530, 540, 589, 596. *Can.*—683, 691, 704, 731-2, 737, 744, 777, 798, 807, 811, 818, 821, 840, 857, 870, 879, 902, 912, 917, 937, 941, 942. *Aust.*—1001, 1042, 1065. *N.Z.*—1088, 1101, 1107, 1109. *S.A.*—1132, 1143, 1153, 1178, 1195. *Ind.*—1221, 1223, 1224, 1226, 1227, 1243, 1256, 1259, 1265, 1283, 1291, 1357, 1379, 1427. *Pak.*—1479. *Other Pts. of Cwth.*—1534
Celtic, 528
Chinese, 224, 295
Classical, 300, 439
Colls., Insts. and Schools of: *U.K.*—29, 50, 74, 224, 233, 234, 300, 389, 418, 487, 493, 523, 572, 589, 641. *Can.*—701, 704, 942. *N.Z.*—1109. *S.A.*—1132, 1147. *Ind.*—1283, 1440
Commercial, 1138, 1485
Education, 139, 236, 493
Far Eastern, 94, 291

Art (*contd.*)—
History of: *U.K.*—139, 214, 220, 224, 242, 250, 290, 300, 395, 487, 493, 621. *Can.*—825. *Aust.*—1042. *N.Z.*—1107. *S.A.*—1153, 1156, 1164. *R. of Ireland*—1771
History of Technology of, 224
Indian, 94, 290
Islamic, 292, 1441
of South-East Asia, 291
Arts and Crafts: *U.K.*—51, 233, 234, 236, 493, 530. *Can.*—729, 732, 891, 937. *N.Z.*—1091, 1102, 1112. *S.A.*—1153. *Ind.*—1243, 1264, 1439, 1440
Asian Studies, Central, 292
South-East, 291
Assamese, 1316
Assaying, 412, 1008
Assembly's Coll., Belfast, 665, 666
Association of Univs. of British Cwth. *See under* Uuiversities.
Assumption Coll., N.B., 897
Assumption Coll., Ont., 706
Assyriology, 94, 454
Astronomy: *U.K.*—79, 133, 214, 300, 310, 401, 439, 580, 596, 618, 643. *Can.*—736, 759, 809, 857, 872, 917, 959. *Aust.*—993. *S.A.*—1151. *Ind.*—1392. *Pak.*—1478. *R. of Ireland*—1771
Radio-, 402
Astrophysics, 36, 79, 402
Athletics. *See separate Univs. and* Physical Education
Attingham Park, Salop, 50
Auckland Univ. Coll., N.Z., 1105
Audiology, 406
Australian Coll. of Dentistry, Melb., 1011
Australian Literature, 1052
Australian National Univ., 992
Australian Univs., General Information, 967-979
Avenue Training Coll., Southampton, 523
Avery Hill Training Coll., Lond., 233
Aviculture, 834

Bacteriology—
Animal, 67, 834
Chemical, 406
Bacteriology (*contd.*)—
Public Health, 169
Soil, 393. *See also* Soil Science
Balliol Coll., Oxford, 458
Banana Research, 1549
Banaras Hindu Univ., 1258
Banff Sch. of Bus. Admin., 704
Banff Sch. of Fine Arts, Alberta, 700, 704
Bangor Sch. of Theology, 526
Bangor Univ. Coll., 537
Banking: *U.K.*—272, 596. *Can.*—834, 879. *N.Z.*—1087, 1103. *S.A.*—1156, 1166. *Ind.*—1264, 1322, 1324, 1333. *R. of Ireland*—1772
Banting Inst., Toronto, 944
Bantu Studies, 293, 1130, 1145, 1151, 1155, 1162, 1183, 1185, 1190, 1194
Baptist Coll., Bristol, 71
Baptist Coll., Manchester, 416
Barber Inst. of Fine Art, Birm., 29, 45, 50
Baroda, Maharaja Sayajirao Univ. of, 1264
Bartlett Sch. of Architecture, Lond., 300
Basic Med. Scis., Inst. of, Lond., 375
Bath Academy of Art, 74
Bath Training Coll., 74
Battersea Polytechnic, Lond., 260, 389
Battersea Training Coll. of Dom. Sci., Lond., 233
Bede Coll., Durham, 125, 131
Bedford Coll., Lond., 244
Beekeeping. *See* Apiculture
Belfast, Municipal Coll. of Technology, 662, 664, 666
Belfast, The Queen's Univ. of, 657
Bengali, 214, 292, 1274, 1275, 1276, 1298, 1303, 1316, 1435, 1439, 1465
Bible: New Testament: *U.K.*—167, 215, 414, 455, 526, 539, 597, 619, 665. *Can.*—782, 801, 876, 952, 954, 962. *Aust.*—1047. *N.Z.*—1092. *S.A.*—1170
Old Testament: *U.K.*—167, 215, 414, 526, 539, 621, 665. *Can.*—782, 801, 952, 954, 962. *Aust.*—1047. *N.Z.*—1092. *S.A.*—1170

Biblical Antiquities, 597
Biblical Criticism, 414, 455, 581, 597, 619, 876
Biblical Exegesis, 414, 455, 526, 684, 954, 1170
Biblical Studies: *U.K.*—123, 180, 221, 419, 455, 502, 520, 526, 538, 539, 580, 596, 618, 619, 665. *Can.*—684, 743, 839. *S.A.*—1153, 1157. *Other Pts. of Cwth.*—1520. *R. of Ireland*—1776
Bibliography, 95, 268, 303, 305, 596, 766
Bibliography, Short, 1808-1814
Bihar Univ., 1274
Bingley Training Coll., Yorks., 179
Biochemistry—
  Applied, 35
  Enzyme, 80
  Experimental, 335
  Pathological, 628
  Physico-Chemical aspects of, 160
  S. A. Courtauld Inst. of, Lond., 340
Biology—
  Animal, 266, 834
  Marine, 140, 198, 540, 926, 1091, 1427
Biometry, 303, 934, 1146
Biomolecular Structure, 161
Biophysics: *U.K.*—29, 88, 301, 369, 376, 388, 585. *Can.*—775, 960. *Aust.*—983. *N.Z.*—1092
  Res. Inst., McGill, 794
Birkbeck Coll., Lond., 249
Birmingham and Midland Inst. Sch. of Music, 51
Birmingham Coll. of Arts and Crafts, 51
Birmingham Training Coll., 51
Birmingham Univ., 28
Bishop's Coll., Univ. of, 711
Bituminous Sands, 699
Bland-Sutton Inst. of Pathol., Lond., 341
Bolton Training Coll., Lancs., 418
Bombay Univ., 1279
Borough Rd. Coll., Isleworth, 233
Botany—
  Cryptogamic, 395, 980
  Economic, 543
  Forest, 80, 538, 581
Bournemouth Coll. of Art, 523
Brandon Coll., Manit., 815
Brasenose Coll., Oxford, 459
Brecon, Memorial Coll., 526
Bretton Hall, 179
Brewing, 35, 47, 610
Brighton Coll. of Art and Crafts, 233
Brighton Training Coll., 233
Brisbane Central Tech. Coll., 1037
Bristol Municipal Coll. of Technology, 71
Bristol Univ., 57
British Columbia Univ., 713
British Information Services, N.Y., 1801
British Postgraduate Medical Federation, Lond., 369
Bruvère Coll., Ottawa, 866
Building Construction: *U.K.*—300, 411, 429, 493, 502, 589, 610, 611, 637. *S.A.*—1162. *R. of Ireland*—1772
Bulgarian, 240
Burmese, 214, 291
Business. *See* Commerce and Business, *and* Administration
  Administration, Inst. of, Tor., 925
Byzantine Studies, 265, 444, 447, 455. *See also* History, Byzantine

Calcutta Univ., 1290
Calgary Branch, Alberta Univ., 700, 701
Cambodian, 291
Camborne School of Metalliferous Mining, Cornwall, 416
Cambridge Colls. and Approved Foundation—
  Christ's, 96
  Clare, 97
  Corpus Christi, 98
  Downing, 98
  Emmanuel, 98
  Fitzwilliam House, 108, 111
  Girton, 108
  Gonville and Caius, 99
  Jesus, 100
  King's, 101
  Magdalene, 102
  Newnham, 109
  Pembroke, 102
  Peterhouse, 103
  Queens', 103
  Recognized Institutions for Women—
    Hughes Hall, 109
    New Hall, 109

Cambridge Colls. and Approved Foundation—(*contd.*)—
St. Catharine's, 104
St. John's, 104
Selwyn, 105
Sidney Sussex, 106
Trinity, 106
Trinity Hall, 108
Cambridge Local Examinations Syndicate, 116
Cambridge Univ., 78
Campion Hall, Oxford, 471
Canadian Army Operational Res. Establishment, 883
Canadian British Education Committee, 682
Canadian Literature, 759, 825
Canadian Univs.—
General Information, 675-682
National Conference of, 681
Canberra Univ. Coll., 1076
Cancer Research, 42, 144, 171, 198, 376, 508, 702, 985, 1096, 1287
Inst. of, Lond., 376
Canterbury Agricultural Coll., N.Z., 1114
Canterbury Univ. Coll., N.Z., 1099
Cantonese, 1508
Cape of Good Hope, Univ. of, 1184
Cape Town Univ., 1130
Cardiff School of Theology, 526
Cardiff Technical Coll., 527, 547
Cardiff Univ. Coll., 543
Cardiology, 327, 352, 358, 376, 407, 603
Inst. of, Lond., 376
Carleton Coll., 736
Carmarthen Presbyterian Coll., Wales, 526
Carnegie Coll. of Phys. Educn., 180
Carnegie Trust for the Univs. of Scotland, 10-11
Cartography, 759, 858
Catalan, 190
Catholic Coll. of Gravelbourg, Sask., 866
Catholic Training Coll., Lond., 233
Catholic Univ. of Ireland, 1788
Catholic Workers' Coll., Oxford, 487
Celtic Studies: *U.K.*—187, 213, 440, 528, 581, 596, 618, 658. *R. of Ireland*—1772, 1783, 1786, 1796
Central African Langs., 292
Central Asian Studies, 292
Central European Studies, 240
Central Technical Coll., Brisbane, 1037
Centre for Continued Studies, Birm., 50
Ceramics, 174, 504, 699, 732, 1138, 1259
Certificates. *See separate Univs. and Introductions to respective countries*
Ceylon Univ., 1451
Charing Cross Hosp. Med. School, Lond., 324
Charlotte Mason Coll., Westmorland, 418
Chelsea Coll. of Phys. Educn., Eastbourne, 233
Chelsea Polytechnic, Lond., 389
Chemical Crystallography. *See* Crystallography
Chemical Microscopy, 161
Chemical Technology: *U.K.*—664. *S.A.*—1142. *Ind.*—1248, 1281, 1384, 1392, 1447. *Pak.*—1478. *Other Pts. of Cwth.*—1546. *R. of Ireland*—1784
Chemistry—
Analytical: *U.K.*—29, 255, 502, 618. *Can.*—877. *Aust.*—1000, *S.A.*—1138, 1163, 1181. *Ind.*—1358
Biological, 29, 580
Biophysical, 29
Cellulose, 776
Colloid, 502
Colour, 174, 412, 638, 1279
Electro-, 1445
Endocrine, 29
Food, 920
in relation to Fruit Growing, 389
of Fungicides, 70
Gas, 174
of High Polymers and Elastomers, 176
Horticultural, 70
in relation to Hygiene, 67, 934
Industrial, 776, 834, 1029, 1031, 1103, 1259
of Insecticides, 70
Macromolecular, 412
Mathematical, 161
in relation to Medicine, 596
Metallurgical, 619, 1785

Chemistry (*contd.*)—
Micro-, 658
of Oils, 1279
Pathological, 932, 960
Pharmaceutical: *U.K.*—165, 216, 305, 409. *Can.*—810. *Ind.*—1231, 1259, 1279, 1322, 1393
Physical: *U.K.*—58, 71, 81, 137, 162, 176, 187, 188, 249, 255, 396, 412, 424, 441, 536, 618, 644, 658. *Aust.*—980, 999, 1000, 1042, 1068. *S.A.*—1146, 1151, 1163. *Ind.*—1279, 1323, 1349, 1445. *Other Pts. of Cwth.*—1503. *R. of Ireland*—1785, 1791
Physiological, 402, 618
Public Health, 663
Structural, 161
Surface, 562
Synthetic, 931
Technical, 597, 610, 613, 638, 1281
Textile, 176, 412, 664, 1269, 1279, 1281, 1349, 1429
Theoretical, 81
Veterinary, 608
Chemotherapy, 306, 335
Chest, Diseases of, 378, 508
Inst. of Diseases of, Lond., 378
Chester Beatty Res. Inst., Lond., 376
Chester Diocesan Training Coll., 199
Child Health, Inst. of, Birm., 50
Child Health, Inst. of, Lond., 376
Child Studies: *U.K.*—37, 48, 192, 234-5, 274, 382, 651. *Can.*—811, 925. *Aust.*—1010, 1050, 1055. *S.A.*—1143, 1172. *Ind.*—1270, 1293. *See also* Psychology, Child
Child Study, Inst. of, Tor., 925
Chinese Studies: *U.K.*—94, 129, 213, 224, 291, 295, 396, 454. *Can.*—918. *Aust.*—1036, 1077. *Ind.*—1240, 1261, 1304, 1439, 1440. *Other Pts. of Cwth.*—1504, 1511
Christ Church, Oxford, 459
Christchurch, Univ. Coll., N.Z. *See* Canterbury Univ. Coll.
Christ Coll., Hobart, 1064
Christian Ethics. *See under* Ethics
Christ's Coll., Camb., 96
Church of Ireland Training Coll., Dub., 1776
Citizenship, 631, 1139, 1222, 1254, 1279, 1389
City and Guilds Coll., Lond, 254, 259
City Management, 760
Civic Design. *See* Town and Country Planning
Clare Coll., Camb., 97
Classical Studies, Inst. of, Lond., 230
Classical Tradition, Character and History of, 242
Clifton Theol. Coll., Bristol, 71
Cloth Analysis and Struct., 176
Coal Gas, 174
Coal-mining. *See under* Mining
Cockle Park Res. Stn., Morpeth, 148
Cocoa Research, 1549
Codrington Coll., Barbados, 122
Coke Research, 137
Colloid Science, 82, 402, 502
Coloma Coll., Kent, 233
Colonial Studies, 85, 214, 274, 295, 441. *See also* Administration, Colonial
Colonial Studies, Inst. of, Oxford, 486
Colonial Univs., General Information, 1499-1502
Colonial Univ. Grants Advisory Committee, 1502
Colonies, Inter-Univ. Council for Higher Educn. in, 1500
Colour Chemistry. *See* Chemistry, Colour
Colour Physics. *See* Physics, Colour
Colston Research Society, 73
Commerce and Business: *U.K.*—30, 47, 123, 153, 162, 188, 270, 277, 295, 518, 568, 589, 597, 610. *Can.*—684, 702, 715, 716, 744, 760, 781, 807, 834, 839, 844, 871, 884, 886, 889, 891, 896, 902, 911, 927, 948, 959. *Aust.*—981, 1000, 1032, 1062, 1076. *N.Z.*—1087, 1090, 1103, 1109, 1113. *S.A.*—1130, 1131, 1143, 1151, 1156, 1166, 1177, 1183, 1185, 1194. *Ind.*—1217. *See also separate Univs. Pak.*—*See separate Univs. R. of Ireland*—1772, 1783, 1789, 1791, 1796. *See also* Administration, Business
Commerce, Colls. of: *U.K.*—641. *Can.*—834. *Ind.*—1245, 1283,

Commerce, Colls. of (*contd.*)—
1284, 1294, 1313, 1322, 1324, 1333, 1364, 1365, 1378, 1382, 1389, 1397, 1406, 1407, 1413, 1423. *Pak.*—1469, 1476, 1481.
Commerce Degree Bureau, Lond., 219
Commonwealth Scientific and Industrial Res. Organization, 989, 1180
Commonwealth Studies, Inst. of, Lond., 231
Commonwealth Studies in U.K., 1768-1769
Community and Regional Planning, 732. *See also* Town and Country Planning
Computing, 113, 396, 553
Concrete Technology, 256, 760, 1323, 1418, 1419
Conservation. *See* Soil Science
Continued Studies Centre, Birm., 50
Coptic, 94, 189, 302, 396, 414
Copyright Libraries. *See under* Libraries
Cork Univ. Coll., 1791
Corpus Christi Coll., Camb., 98
Corpus Christi Coll., Oxford, 460
Cotton, 1264, 1284. *See also* Textiles
Council for Scientific and Industrial Research Organization, 1055
Courtauld Inst. of Art, 224
Courtauld Inst. of Biochemistry, Lond., 340
Coventry Training Coll., 51
Craibstone Sch. of Rural Domestic Econ., Aberdeenshire, 589
Criminology, 92, 271, 441, 716
Cromwell Coll., Brisbane, 1037
Crystallography, 88, 396, 440
Currency. *See* Banking
Cushitic Langs., 293
Cytogenetics, 370, 1445
Cytology: *U.K.*—33, 136, 299, 389, 451, 599. *Can.*—694, 934. *Aust.*—986, 1042
Czech, Czechoslovak, 82, 213, 221, 240, 624

Dacca Univ., 1465
Dairy—
Accountancy, 1792
Bacteriology, 496, 533, 1793
Chemistry, 496, 1793
Dairy (*contd.*)—
Engineering, 496, 1793
Husbandry, 496, 586, 1118, 1188
Manufactures, 1118
Res. Inst., N.Z., 1121
Technology, 498, 1119, 1793
Dairying: *U.K.*—51, 429, 493, 495, 533, 589. *Can.*—694, 716, 811, 834, 851, 905, 940, 942. *N.Z.*—1118, 1120. *S.A.*—1146, 1166. *Ind.*—1221, 1323, 1332. *R. of Ireland*—1783, 1793
National Inst. for Res. in, Reading, 497
Dalhousie Univ., 743, 756, 854
Dance, 879, 1256, 1264, 1440
Danish, 82, 139, 221, 308. *See also* Scandinavian Studies
Darlington Training Coll., 125
Dartford Coll. of Phys. Educn., Kent, 233
Degrees—
U.K., 11-25
Can., 676, 680
Aust., 972-974
N.Z., 1087
S.A., 1128
Ind., 1216-1218
Pak., 1462
Other Pts. of Cwth., 1500
See also separate Univs.
De La Salle Training Coll., Lancs, 418
Delhi Univ., 1302
Demography, 39, 270, 767, 993
Dental Surgery, Inst. of, Lond., 377
Dentistry: *U.K.*—30, 39, 62, 123, 142, 168, 193, 213, 216, 268, 327, 329, 331, 335, 339, 342, 349, 352, 355, 358, 363, 364, 366, 370, 377, 404, 506, 555, 586, 601, 603, 626, 648, 662. *Can.*—689, 745, 767, 781, 817, 828, 876, 908, 929, 942. *Aust.* 984, 1006, 1011, 1035, 1047, 1065, 1069, 1072. *N.Z.*—1087, 1092. *S.A.*—1135, 1138, 1167, 1181, 1197. *Ind.*—1265, 1284, 1294, 1341, 1355. *Cey.*—1454. *Pak.*—1482. *Other Pts. of Cwth.*—1513, 1520, 1544. *R. of Ireland*—1772, 1783, 1787, 1793.
Deontology. *See* Medical Ethics

Derby Training Coll., 431
Dermatology, Inst. of, Lond , 377
Design :
  Structural, 645
  Textile, 139, 176, 414
(Dick) Veterinary Coll., Royal, Edin., 609, 611
Didsbury Coll., Bristol, 71
Didsbury Training Coll., Manc., 418
Dietetics : *U.K.*—216, 278, 362, 649. *Can.*—767, 836. *Aust.*—999, 1007, 1014. *S.A.*—1172. *Ind.*—1293
  and Nutrition, Inst. of, Montreal, 836
Digby Stuart Coll., Lond., 233
Diocesan Coll. of Montreal, 793
Diocesan Training Coll., Brist., 74
Diocesan Training Coll., Chester, 199
Diocesan Training Coll., Salisbury, 74
Diocesan Training Coll., York, 178
Diplomas. *See separate Univs. and Introductions to respective countries*
Diplomatic. *See* Palæography and Diplomatic
Diplomatic Studies, 1079, 1347
Diseases—
  Industrial, 171
  Metabolic, 41
  of the Chest, Inst. of, Lond., 378
Distilling, 610
Divinity. *See* Theology
Domestic Science : *U.K.*—51, 58, 71, 74, 125, 211, 213, 214, 233, 277, 589. *Can.*—684, 692, 706, 719, 729, 763, 792, 810, 811, 817, 822, 835, 840, 844, 891, 897, 904, 922, 937, 939, 941, 962. *N.Z.*—1087, 1091, 1102, 1112. *S.A.*—1153, 1156, 1163, 1189, 1191. *Ind.*—1242, 1267, 1276, 1299, 1307, 1313, 1351, 1362, 1435. *Pak.*—1485
Domestic Science, Colls. of : *U.K.*—51, 71, 74, 125, 179, 213, 233, 418, 513, 572. *Can.*—835, 897
Domestic Science Coll., Newcastle, 125
Domestic Science Training Coll., Bath, 74
Dominion Bureau of Statistics, Canada, 681
Doncaster Training Coll., 513
Downing Coll., Camb., 98
Drama : *U.K.*—50, 58, 69, 156, 198, 221, 633. *Can.*—691, 704, 729, 871, 891, 903. *Aust.*—985, 1001. *N.Z.*—1097, 1102, 1112. *S.A.*—1145, 1191. *Ind.*—1256, 1264
Dravidian Studies, 1333, 1349
Drawing. *See* Art
Drugs. *See* Food, Pharmacology
Dublin Univ., 1770
Dublin Univ. Coll., 1785
Duchesne Coll., Brisbane, 1036
Dudley Training Coll., Worcs., 51
Dundee Univ. Coll., 652
Dunedin, Univ. Coll. *See* Otago Univ.
Durham Coll. of Physical Science, 122
Durham Univ., 121
  Durham Colls., 127
  King's Coll., Newcastle upon Tyne, 136
Dutch : *U.K.*—213, 221, 245, 249. *Aust.*—1002, 1036. *S.A.*—1143, 1151, 1163, 1186. *See also* Nederlands Studies
  Institutions, 305
Dyeing, 174, 638, 1280. *See also* Chemistry, Colour

East Africa, Univ. Coll. of, 1534
East African Inst. of Social Res., 1536
East African Studies, 292, 294
East Asiatic Studies, 918
Eastbourne Training Coll., 233
Eastern Orthodox Culture, 455
East European Studies, 213, 240, 624,
East European Studies, School of Slavonic and, Lond., 240
East London Coll. *See* Queen Mary Coll.
East Malling Res. Stn., Kent, 389
East Panjab Univ. *See* Panjab (India) Univ.
Ecology, 760, 917, 1166
  Animal, 451
  Crop, 694
  Human, 92
  Plant, 906
  Veld, 1171
Econometrics, 37, 530
Economics—
  Colonial, 441
  Indian, 1325, 1348

Economics (*contd.*)—
International, 397, 441
Mathematical, 1001
Russian, 31, 624
Economics and Pol. Sci., Lond. Sch. of, 270
Edgehill Theol. Coll., Belf., 665, 666
Edge Hill Training Coll., Lancs., 199
Edinburgh and East of Scotland Coll. of Agric., 610
Edinburgh School of Agric., 610
Edinburgh Univ., 595
Education—
Audio-Visual, 729
of Backward Children, 180
Colonial, 234-235
Comparative, 234
of the Deaf, 406
Health. *See* Hygiene
of Maladjusted Children, 236
Native, 1138
Ontario Coll. of, 937
Physical. *See* Physical Education
Radio, 890
Remedial, 44, 1032
Rural, 890, 1115
Sociology of, 235
S. African, Hist. of, 1167
Visual, 563, 729
Education, Insts. of—
Birmingham, 44, 51
Bombay, 1283
Bristol, 69, 74
Cambridge, 113, 117
Delhi, 1312
Durham, 125
Exeter, 565
Gold Coast, 1525
Hull, 156, 158
Leeds, 176, 179
Leicester, 570, 571
London, 233
Nottingham, 430, 431
Oxford, 482
Sheffield, 510
Southampton, 520, 523
Education, Schools of—
Acadia, 683
Manchester, 414, 416
Wales, 528
Edward Grey Inst. of Field Ornithology, Oxford, 486
Egyptian, 189
Egyptology, 94, 129, 189, 302, 397, 418, 454
Eire, Univs. of. *See* Ireland, Univs. of Republic of.
Elder Conservatorium of Music. Adel., 985, 988
Electrocardiography, 376
Electrodynamics, 88
Electro-encephalography, 67, 380
Electrology. *See* Radiology
Electromagnetism, 32
Electronics, 123, 129, 518, 584, 1032, 1048, 1292
Industrial, 425
applied to Radiotherapy, 94
Electron Microscopy, 88, 169
Electro-technics, 397, 834, 1032
Elocution: *U.K.*—138, 221, 236, 286, 405, 406, 428, 550, 609. *Can.*—801, 835, 845, 862, 879, 954. *Aust.*—985, 1073. *S.A.*—1131, 1134, 1145, 1184, 1187. *R. of Ireland*—1774
Elsenburg Sch. of Agric., S.A., 1189
Embryology: *U.K.*—287, 299, 381, 617, 630, 657. *Can.*—775, 830, 859, 874, 926. *Aust.*—998, 1041, 1042. *Ind.*—1321. *R. of Ireland*—1771
Emmanuel Coll., Brisbane, 1036
Emmanuel Coll., Camb., 98
Emmanuel Coll., Sask., 907
Emmanuel Coll., Tor., 938, 955
Endocrinology, 28, 328, 767
Gynæcological, 604
Endoscopy, 379
Endsleigh Training Coll., Hull, 158
Engineering—
Aeronautical. *See* Aeronautics
Agricultural, 90
Architectural, 981
Automobile, 589, 1428
Chemical: *U.K.*—32, 91, 138, 174, 217, 255, 264, 302, 389, 390, 391, 412, 632, 641. *Can.*—695, 761, 782, 793, 849, 853, 870, 881, 927. *Aust.*—983, 987, 1014, 1025, 1028, 1047. *N.Z.*—1101. *S.A.*—1194. *Ind.*—1259, 1280, 1303, 1312, 1349, 1379, 1447
Civic, 188, 214, 311
Communications. *See* Telecommunications

Engineering (*contd.*)—
Dairy. *See* Dairy
Forest, 582
for Town Planning. *See* Town and Country Planning
Gas, 174
Geological, 906
Heat Engines, 598, 664, 1008, 1324, 1418
High Voltage, 1446
Hydraulic, 256, 659, 1069, 1418, 1419, 1446
Industrial, 699, 981
Internal Combustion, 1446
Irrigation, 695, 1048, 1418, 1419
Marine, 138, 520, 589, 622. *See also* Architecture, Naval
Metallurgical, 783, 853, 877, 928, 983, 1032, 1087, 1406. *See also* Metallurgy
Mining: *U.K.*—32, 180, 511, 610, 633, 639. *Can.*—721, 783, 822, 849, 853, 873, 928. *Aust.*—983, 1008, 1027, 1028, 1032, 1048. *N.Z.*—1087. *S.A.*—1198. *See also* Mining
Municipal, 302, 413, 695, 782, 927, 1418, 1519, 1791
Petroleum, 46
Pharmaceutical, 216
Power, 194, 1446
Public Health, 123, 149, 410, 934
Radio, 518, 668, 1324
Road, 782, 1048
Sanitary, 834, 1048
Structural, 411, 927, 1198, 1418, 1446
Textile, 176, 414, 1269, 1311, 1312
Engineering Production, 33, 51, 625
English, as a Foreign Lang., 236, 271
for Foreign Students, 73, 117, 221, 426, 432, 511, 566
Engraving, 487
Entomology: *U.K.*—38, 62, 70, 83, 140, 258, 384, 389, 391, 451, 547, 589, 611. *Can.*—691, 727, 761, 792, 811, 834, 851, 940. *Aust.*—986, 1031, 1046. *N.Z.*—1114. *S.A.*—1146, 1166, 1179, 1188. *Ind.*—1225, 1227, 1382, 1482. *Other Pts. of Cwth.*—1529, 1549, 1553
Economic, 1031
Forest, 601, 718, 724, 926
Medical, 1055
Entomology (*contd.*)—
Tropical, 192
Epidemiology, 65, 386, 747, 934
Epigraphy—
Greek, 441
Hebrew, 292
Semitic, 95, 292
Esperanto, 189
Estate Management, 90, 96, 142, 211, 213, 218, 389, 391
Coll. of, Lond., 389
Etching, 1440
Ethics—
Christian, 414, 526, 597, 644, 665, 951, 1170
Eastern, 454
Legal. *See* Legal Ethics
Medical. *See* Medical Ethics
Ethnology, 443, 1130, 1151, 1156, 1190
Eugenics, 303
Exeter Coll., Oxford, 461
Exeter Univ. Coll., 562
Experimental Med. and Surg., Inst. of, Montr., 836
Experimental Psychology, Inst. of, Oxford, 450, 486
Extension Courses. *See* Extra-Mural Studies
External Students: *U.K.*—210, 212, 219. *Aust.*—976-977, 989, 1021, 1038, 1072. *N.Z.*—1085, 1087. *S.A.*—1184. *Ind.*—1409, 1415, 1425. *Other Pts. of Cwth.*—1508
Extra-Mural Studies: *U.K.*—25-26. *See also separate Univs. Can.*—679, 699, 703, 709, 729, 732, 740, 772, 796, 818, 824, 842, 846, 849, 878, 887, 890, 892, 906, 909, 937, 948, 962. *Aust.*—977, 989, 1011, 1014, 1020, 1022, 1039, 1058, 1071, 1073. *N.Z.*—1095, 1096, 1102, 1103, 1108, 1112. *S.A.*—1137, 1139, 1174, 1181, 1206. *Ind.*—1366, 1400, 1405, 1409. *Pak.*—1485, 1489. *Other Pts. of Cwth.*—1509, 1516, 1522, 1525, 1530, 1532, 1538, 1544. *R. of Ireland*, 1794

Far Eastern Studies, 94, 291, 1508
Farm. *See under* Agriculture
Fees. *See separate Univs.*

Fellowships. *See* Scholarships
Ferens Inst. of Otology, Lond., 341
Fermentation, 412, 610, 1447
Finance, 272, 450, 760, 765, 807, 981, 1153, 1167
Fine Arts. *See* Art
Finnish, 154
Fisheries, 199, 582, 724, 733, 744, 751, 771, 1427, 1428, 1506. *See also* Biology (Marine), Ichthyology *and* Limnology
Inst. of, B.C., 732
Fisheries Research Board of Canada, 751
Fisheries Research Unit, Hong Kong, 1506
Fitzwilliam House, Camb., 108, 111
Fluid Mechanics, 88, 194, 256
Motion, 398
Folklore, 761, 1495, 1786
Food, 71, 255, 259, 999, 1029, 1091, 1248, 1267, 1280, 1428, 1445
Forestry: *U.K.*—90, 391, 443, 485, 527, 538, 582, 601, 611. *Can.*—718, 761, 848, 851, 920. *Aust.*—1001, 1038, 1041, 1065. *S.A.*—1166, 1188. *Ind.*—1314. *R. of Ireland*—1777, 1787. *See also* Bot., Engin., Entomol.
Fort Hare Univ. Coll., S.A., 1179
Fourah Bay Coll., Sierra Leone, 122
Froebel Educnl. Inst., Lond., 233
Fruit Culture, 71, 389, 818, 834. *See also* Pomology, Viticulture
Fuels, 427, 512, 699
Fuel Technology, 138, 174, 255, 412, 433, 507, 545, 1261, 1280
Fulbright Awards, 1801
Fur Farming, 818
Furzedown Training Coll., Lond., 233

Galway Univ. Coll., 1796
Garnett Coll., Lond., 233
Gastro-enterology, 39
Gauhati Univ., 1316
General Certificate of Educn., *see pages* 1564-1627
Genetics: *U.K.*—33, 65, 84, 303, 384, 389, 391, 451, 503, 569, 601, 620, 649. *Can.*—694, 777, 926. *Aust.*—986, 1041, 1046. *N.Z.*—1118. *S.A.*—1146, 1166, 1189 *Ind.*—1323, 1356 *See also* Plant Genetics
Geochemistry, 164
Geodesy, 84, 927
Geography, Social, 271
Geology—
Applied, 164, 399, 1248
Economic, 139, 982
Mining, 257, 921
Pleistocene, 444
Geophysics, 33, 84, 175, 258, 744, 924, 993, 1043, 1246, 1773, 1786
Georgian, 292
Geotechnics, 762
Germanic Languages and Literatures, Inst. of, Lond., 238
Gerontology, 170
Gipsy Hill Training Coll., Surrey, 233
Girton Coll., Camb., 108
Glasgow and W. of Scotland Commercial Coll., 641
Glasgow, Royal Tech. Coll., 637
Glasgow School of Architecture, 641
Glasgow School of Art, 641
Glasgow School of Management Studies, 641
Glasgow Univ., 617
Glass Technology, 507, 1259
Gloucestershire Training Coll. of Dom. Sc., 71, 74
Gold Coast, Univ. Coll. of the, 1523
Goldsmiths' Coll., Lond., 233, 389
Goldsmiths' Coll. Sch. of Art, Lond., 389
Gonville and Caius Coll., Camb., 99
Gordon Memorial Coll., Khartoum, 1558
Government: *U.K.*—34, 59, 217, 399, 449, 518, 552, 569. *Can.*—716. *Aust.*—1043
Local, 447, 752, 873, 1205, 1243, 1373. *See also under* Law
Grants, Governmental to—
Australian Univs., 967, 969-970
Canadian Univs., 677-679
Colonial Univs., 1500, 1502
Indian Univs., 1214
U.K. Univs., 6-8
Gravelbourg Catholic Coll., Sask., 866
Gray's Sch. of Art, Aberd., 589
Greek—
Colloquial, 30
Mediæval, 479
Modern, 81, 265, 444, 581
Septuagint, 952
Gregorian Chant, 762, 868

Gujarati: *U.K.*—214, 292. *Ind.*—1265, 1282, 1283, 1285, 1321, 1322, 1323, 1324, 1325
Gujarat Univ., 1321
Guy's Hosp Med School, Lond., 327
Gynæcology, Inst. of Obstetrics and, Lond., 380

Hæmatology, 65, 197, 366, 372, 407, 453
Halifax House, Oxford, 486
Halifax Ladies' Coll., 751
Hamilton Coll., Ont., 799
Harris Inst., Preston, 416
Hartley Univ. Coll. at Southampton. *See* Southampton Univ.
Hartley Victoria Methodist Coll., Manc., 416
Hatfield Coll., Durham, 131
Hausa, 293
Health—
  Animal, 95, 534, 588
  Industrial, 144, 629, 1293
  Occupational, 43, 385, 408
  Public: *U.K.*—*See separate Univs. Can.*—699, 727, 785, 873, 875, 934. *Aust.*—985, 1011, 1055. *N.Z.*—1088. *S.A.*—1136, 1169, 1203, 1205. *Ind.*—1287, 1293, 1343. *Cey.*—1456. *Pak.*—1485. *Other Pts. of Cwth.*—1514, 1558. *R. of Ireland*—1775, 1787, 1793
  School, 41
  Student: *U.K.*—*See separate Univs. Can.*—686, 703, 730, 734, 741, 753, 770, 795, 804, 819, 843, 850, 879, 883, 886, 901, 916, 961. *Aust.*—989, 1015, 1022. *N.Z.*—1097. *S.A.*—1139, 1191. *Ind.*—1238, 1241, 1256, 1258, 1272, 1278, 1299, 1345, 1381, 1390, 1399, 1425, 1432, 1447. *Pak.*—1472. *Other Pts. of Cwth.*—1509, 1517, 1532. *R. of Ireland*—1776, 1789, 1794, 1798
Health Services, 663
  Visitors, 69, 154, 518, 556, 613
Heat Engines. *See under* Engineering
Hebrew: *U.K.*—60, 94, 129, 166, 167, 190, 213, 215, 304, 389, 403, 414, 454, 526, 538, 579, 583, 599, 621, 646, 665. *Can.*—744, 755, 801, 874, 913, 952, 958, 962. *Aust.*—1036. *N.Z.*—1090, 1107. *S.A.*—1132, 1152, 1164, 1195. *Ind.*—1298. *Other Pts. of Cwth.*—1520. *R. of Ireland*—1775, 1786. *See also* Semitic Studies
  Mediæval, 166, 403, 414
  Mishnaic, 129
  Modern, 166, 292, 403, 414
  Post-biblical, 403, 414, 454
  Teaching of, 180
Helminthology, 385, 599, 1170
Hereford Training Coll., 51
Heriot-Watt Coll., Edinburgh, 609
Hertford Coll., Oxford, 461
Hindi: *U.K.*—214, 290. *Ind.*—*See separate Univs. Pak.*—1485
Hindustani, 290
Hispanic Studies, 190, 599. *See also* Spanish Studies, Portuguese Studies, Catalan
Histology: *U.K.*—37, 62, 68, 93, 191, 287, 299, 335, 381, 394, 409, 643, 659. *Can.*—775, 830, 859, 926, 960. *Aust.*—980, 998, 1041, 1042. *Other Pts. of Cwth.*—1519. *R. of Ireland*—1786
Historical Buildings, Preservation and Restoration of, 311
Historical Research, Inst. of, Lond., 239
History—
  of Afrikaans Culture, 1164
  Agricultural, 90, 493
  American, 85, 304, 305, 445, 646, 1800
  of Art. *See* Art, Hist. of
  Australian, 994
  Balkan Mediæval, 450
  of British Commonwealth, 86, 118
  of British Dominions, 445, 583
  Byzantine, 265. *See also* Byzantine Studies
  Canadian, 719, 744, 763, 825
  Celtic, 528
  Central European, 240
  of Classical Tradition, 242
  Colonial, 60, 85, 268, 532, 621, 646, 1111
  of Danubian Lands, 240
  Dutch, 305
  East African, 293
  East European, 240

History (*contd.*)—
Ecclesiastical: *U.K.*—82, 167, 199, 215, 241, 400, 414, 455, 526, 539, 581, 597, 619, 644, 665. *Can.*—684, 755, 782, 801, 951, 954, 962. *Aust.*—1047. *N.Z.*—1092. *S.A.*—1170. *Other Pts. of Cwth.*—1520. *R. of Ireland*—1776
Economic: *U.K.*—31, 34, 85, 162, 217, 240, 271, 397, 399, 426, 430, 445, 449, 502, 503, 551, 569, 585, 597, 623, 646, 658. *Aust.*—1000, 1043, 1076. *S.A.*—1151, 1156, 1166, 1194. *Other Pts. of Cwth.*—1537. *R. of Ireland*—1772
Far Eastern, 94, 293, 994
French, 304
Hellenistic, 445
Imperial, 85, 239, 315, 445
Indian, 293, 445, 1259, 1291, 1349, 1401, 1409, 1441
Industrial, 271
International, 271, 397, 400, 445
Irish, 1783, 1786
Islamic, 94, 400, 403, 1291, 1351, 1441, 1467, 1475, 1493
Latin-American, 84
Legal, 272
Local, 400, 564, 569
London, 305
Maratha, 1409
of Medicine. *See* Medical Hist. and Lit.
Middle Eastern, 293
Naval, 85
Near Eastern, 94, 129, 293, 446
of Netherlands Culture, 1133, 1164
Oriental, 293, 923, 952. *See also* Oriental Studies
Pacific, 994
of Painting. *See* Art, Hist. of
of Preclassical Antiquity, 242
of Roman Britain, 137, 426
Russian, 240, 241, 450
of Science. *See* Science, Hist. and Philos. of
Scottish, 583, 621, 646
Social, 242, 397, 400, 426, 445, 449, 551, 1046
South African, 1187
South-East Asian, 291, 293
of War, 446
History (*contd.*)—
Welsh, 531, 538, 545
West African, 293
Hobart Technical Coll., 1064
Holiday Courses. *See* Vacation Courses
Holly Royde, Manc., 420
Holt Radium Inst., Manc., 418
Home Economics. *See* Domestic Science
Home Universities Conferences, 27
Hong Kong Univ., 1503
Hops, 319. *See also* Brewing
Hornsey Sch. of Art and Crafts, Lond., 234
Horticultural Res. Stns., 70, 389
Horticulture: *U.K.*—61, 70, 73, 211, 213, 214, 319, 389, 392, 395, 418, 429, 494, 589, 611. *Can.*—694, 720, 792, 834, 851, 906, 940. *Aust.*—1041. *N.Z.*—1115, 1119. *S.A.*—1146, 1166. *Ind.*—1221, 1323, 1332, 1356. *R. of Ireland*—1787
Housecraft, Coll. of, Manc., 418
Household and Social Science, King's Coll. of, Lond. *See* Queen Elizabeth Coll.
Household Science. *See* Domestic Science
Howard Coll., Durban, 1147
Huddersfield Tech. Coll., 178
Huddersfield Training Coll., 179
Hughes Hall, Camb., 109
Huguenot Coll., S.A., 1126
Hull Municipal Training Coll., 158
Hull Univ., 153
Hungarian, 213, 221, 240
Huron Coll., Ont., 961
Husbandry—
Animal: *U.K.*—68, 193, 214, 287, 533, 586, 589, 590, 630, 661. *Can.*—694, 714, 792, 811, 851, 905, 939, 942. *Aust.*—1034, 1041, 1046. *N.Z.*—1114, 1118. *S.A.*—1145, 1166, 1188. *Ind.*—1221, 1227, 1284, 1323, 1332, 1356, 1381, 1385, 1397. *Pak.*—1469, 1482. *Other Pts. of Cwth.*—1529, 1536, 1553, 1557. *See also* Veterinary Science
Crop: *U.K.*—90, 168, 214, 485, 533, 589, 661. *Can.*—694, 818. *N.Z.*—1116

Husbandry (*contd.*)—
Dairy. *See* Dairy Husbandry
Field, 906, 940, 1114, 1119, 1188
Grassland, 589
Pig, 318
Poultry : *U.K.*—429, 589. *Can.*—694, 723, 792, 818, 852, 906, 940, 942. *N.Z.*—1119. *S.A.*—1166, 1189
Sheep, 1119, 1166
Hydraulics. *See* Engineering, Hydraulic
Hygiene : *U.K.*—67, 71, 277, 302, 370, 384, 390, 518, 556. *Can.*—765, 767, 826, 836, 873, 930, 934. *N.Z.*—1093. *S.A.*—1138, 1152, 1153, 1159, 1180. *Ind.*—1256, 1287, 1293, 1355, 1356, 1363. *R. of Ireland*—1793, 1797
and Tropical Diseases, Bureau of, Lond, 386
and Tropical Medicine, London School of, 384
Animal, 834, 1356
Architectural, 1055
Factory, 588
Industrial, 67, 509, 934, 1055
Microbiology and, Inst. of, Montr., 836
Physiological, 934
School, 189
Social, 1046, 1055
Tropical, 198, 216, 385, 589, 605, 613, 1055, 1204, 1299, 1457

Ibadan, Univ. Coll., 1528
Icelandic, 308, 809
Ancient, 442
Ichthyology, 1178. *See also* Biology (Marine), Fisheries, Limnology *and* Oceanography
Ilkley Coll. of Housecraft, Yorks., 179
Immunology, 384, 390, 557, 651, 714, 784, 812, 959, 1203
Imperial Coll. of Science and Technology, Lond., 254
Imperial Coll. of Tropical Agriculture, Trinidad, 1548
Imperial Forestry Inst., Oxford, 485
Independent Coll., Manc., 416
India, Inter-Univ. Bd., 1219
India, Off. of High Commission of, Educn. Dept., Lond., 1219

Indian Colls. at—
Agartala, 1292
Agra, 1221-1222
Aharbelma, 1292
Ahmedabad, 1321-1323
Ahmednagar, 1406
Ajmer, 1222
Akola, 1378
Aliabada, 1323
Aligarh, 1223
Allahabad, 1242
Alleppey, 1429, 1430
Almora, 1223
Alwar, 1412
Alwaye, 1429
Amalapuram, 1248
Amalner, 1406
Ambala Cantt., 1394
Ambala City, 1394, 1397
Amravati, 1378
Amritsar, 1394, 1397
Amta (Howrah), 1292
Anakapalli, 1249
Anand, 1323
Anantnag, 1328
Andheri, 1282
Arambagh, 1292
Arrah, 1274
Asansol, 1292
Aukiripalli, 1249
Aurangabad, 1275, 1386, 1389
Azamgarh, 1223
Bagalkot, 1331
Balasore, 1434
Ballia, 1223
Ballygunje (Calcutta), 1292
Balurghat (W. Dinajpur), 1293
Banaras, 1259-1260
Banga (Jullundur), 1394
Bangalore, 1364, 1365
Bangaon, 1293
Bankipore (Patna), 1402
Bankura, 1293
Banswara, 1412
Bapatla, 1248
Barasat, 1293
Baraut, 1223
Bareilly, 1223
Barh, 1277
Baripada, 1434
Barisha, 1293
Baroda, 1269
Barpeta, 1317
Basirhat, 1293

Indian Colls. at (*contd.*)—
Batala, 1394
Begusarai, 1275
Belgachia, 1293
Belgaum, 1331-1332
Bellary, 1354
Belur Math, 1293
Berhampur, 1293
Berhampur (Ganjam), 1434
Bhadrak (Balasore), 1434
Bhagalpur, 1274, 1275, 1277
Bharatpur, 1412
Bhatinda, 1394
Bhavnagar, 1324
Bhilwara, 1412
Bhimavaram, 1248
Bhiwani, 1394, 1397
Bhopal, 1223
Bhubaneswar (Orissa), 1434
Bhuj, 1324
Bihar Shariff, 1275
Bijapur, 1332
Bikaner, 1412
Bilaspur, 1394, 1423
Bishnupur (Bankura), 1293
Bolangir (Bolangir Patna), 1434
Bolpur, 1293
Bombay, 1282-1285
Brijnagar, 1412
Bundi, 1412
Burdwan, 1293
Calcutta, 1293-1295
Chaibassa, 1277
Chandarnagore, 1295
Chandausi, 1224
Chandigarh, 1394, 1397
Changanacherry, 1429, 1430
Chapra, 1275
Chhattarpur, 1224
Chikmagalur, 1364
Chirala, 1248
Chirawa, 1412
Chitaldrug, 1364
Chittur, 1429
Churu, 1412
Coimbatore, 1352, 1354, 1356
Contai, 1295
Cooch-Behar, 1295
Cuttack, 1435
Damoh, 1423
Darbhanga, 1275, 1277
Darjeeling, 1295
Dausa, 1412
Davangere, 1364, 1365

Indian Colls. at (*contd.*)—
Dehra Dun, 1224
Delhi, 1312-1313
Deoghar, 1277
Dhanbad, 1277
Dharamsala, 1394
Dharwar, 1332-1333
Dhubri, 1318
Diamond Harbour, 1295
Dibrugarh, 1318
Didwana, 1412
Eluru, 1248
Ernakulam, 1352, 1428, 1429
Erode, 1354
Faizabad, 1224
Falna, 1412
Faridkot, 1394
Fatehpur, 1412
Fazilka, 1394
Feroke, 1352
Ferozepur Cantt., 1394
Ferozepur City, 1394, 1397
Garbeta, 1296
Gauhati, 1318
Gaya, 1275
Ghaziabad, 1224
Gobardanga, 1296
Gorakhpur, 1224
Gudivada, 1248
Guindy, 1354
Gulbarga, 1386
Guntur, 1249, 1250
Gurgaon, 1394
Gurusar Sadhar (Ludhiana), 1395
Gwalior, 1225
Gyanpur, 1225
Hajipore, 1277
Hapur, 1225
Hariana (Hoshiarpur), 1395
Hassan, 1364
Hazaribagh, 1275
Hetampur, 1296
Hissar, 1395, 1397
Hoshiarpur, 1395
Howrah, 1296
Hubli, 1333
Hughli, 1296
Hyderabad, 1385-1389
Imphal (Manipur), 1318
Indore, 1225-1226
Itachuna, 1296
Jabalpur, 1423
Jaipur, 1412
Jajpur (Cuttack), 1435

Indian Colls. at (*contd.*)—
Jalgaon, 1406
Jalpaiguri, 1296
Jammu, 1328
Jamshedpur, 1275
Jangipur, 1296
Jaunpur, 1226
Jeypore (Koraput), 1435
Jhansi, 1226
Jhargram, 1296
Jharia, 1277
Jhunjhunu, 1412
Jiaganj, 1296
Jobner, 1413
Jodhpur, 1413
Jogeswari, 1285
Jorhat, 1318
Jullundur, 1395, 1397
Junagadh, 1324
Kailasahar, 1296
Kaithal, 1395
Kakinada, 1249
Kalady, 1430
Kalalmajra Khanna (Ludhiana), 1395
Kalamassery, 1428
Kalimpong, 1296
Kalna, 1296
Kancheepuram, 1354
Kandi, 1296
Kanpur, 1226-1227
Kapurthala, 1395
Karad, 1406
Karaikudi, 1352, 1354, 1356, 1357
Karimganj, 1318
Karnal, 1395
Katpadi, 1354
Katwa, 1296
Kavali, 1249
Khagaria, 1276
Khamgaon, 1378
Khandwa, 1424
Kharagpur, 1296
Khurja, 1227
Kishangar, 1296, 1413
Kolar, 1364
Kolhapur, 1406
Kotah, 1413
Kottayam, 1429, 1430
Kovvur, 1250
Kozhencherry, 1430
Kozhikode, 1352, 1354, 1357
Krishnagar, 1296
Kumbakonam, 1352
Kumta, 1333
Lakhaoti, 1227
Lakhimpur-Kheri, 1227
Lucknow, 1336-1345
Ludhiana, 1395, 1397
Madhubani, 1276
Madras, 1352-1357
Madras (Royapettah), 1354
Madurai, 1352, 1354, 1356
Mahendru (Patna), 1402
Mahilpur (Hoshiarpur), 1395
Mahisadal, 1296
Maldah, 1296
Malerkotla (Pepsu), 1395
Mandi, 1396
Mandya, 1364
Mangalore, 1353, 1357
Masulipatam, 1249, 1250
Mathura, 1227
Meerut, 1223, 1227-1228
Mercara (Coorg), 1353
Midnapur, 1296
Modekurru, 1250
Moga, 1396, 1397
Monghyr, 1276
Moradabad, 1228
Morvi, 1324
Motihari, 1276
Muktsar (Ferozepur), 1396
Mukundgarh, 1413
Muvattupuzha, 1430
Muzaffarnagar, 1228
Muzaffarpur, 1274, 1276, 1277
Mysore, 1364, 1365
Nabadwip, 1297
Nabha, 1396
Nadiad, 1324
Nagercoil, 1429, 1430
Nagpur, 1377-1378
Naihati, 1297
Nainital, 1228
Nalbari, 1318
Nanded, 1389
Narasapur, 1249
Narasaraopet, 1249
Narayanpur, 1277
Narnaul, 1396
Nasik, 1406
Navsari, 1324
Nawalgarh, 1413
Nawanshahr (Jullundur), 1396
Nellore, 1249, 1250
New Delhi, 1313, 1396

Indian Colls. at (*contd.*)—
Nidubrolu, 1249
Nowgong, 1318
Ongole, 1249
Orai, 1229
Palai, 1429
Palamcottah, 1353
Palayamkottai, 1357
Palghat, 1353
Pandalam, 1429
Panipat, 1396
Parlakimedi (Ganjam), 1436
Pathanamthitta, 1430
Pathankot, 1396
Patiala, 1396, 1397
Patna, 1277, 1402-1403
Peelamedu, 1356
Periyanaickenpalayam, 1357
Petlad, 1324
Pilani, 1413
Ponur, 1250
Poona, 1406, 1407
Pudukkottai, 1353
Puri, 1436
Purnea, 1276
Purulia, 1276
Qadian, 1396
Quilon, 1429, 1430
Raiganj, 1297
Raipur, 1424
Rajahmundry, 1249, 1250
Rajkot, 1325
Rampur, 1229
Rampurhat, 1297
Ranaghat, 1297
Ranchi, 1274, 1276
Ratnagiri, 1406
Rewa, 1229
Rewari, 1396, 1398
Rohtak, 1396, 1398
Rupar, 1396, 1398
Sabour, 1277
Saharsa, 1277
Sahibganj, 1277
Saidapet, 1356
Saifabad, 1387, 1388
Salem, 1353
Samastipur, 1276
Sambalpur, 1436
Sangli, 1406
Sangrur, 1396
Santiniketan, 1440-1441
Santipur, 1297
Sardarshahr, 1413
Indian Colls. at (*contd.*)—
Sasaram, 1277
Satara, 1407
Satnampura (Phagwara), 1396
Secunderabad, 1386, 1387
Serampore, 1214, 1297
Shahjahanpur, 1229
Shikohabad, 1229
Shillong, 1318
Shimoga, 1364
Sholapur, 1407
Sibpur, 1297
Sibsagar, 1318
Sidhwan Khurd (Ludhiana), 1396, 1398
Sikar, 1413
Silchar, 1318
Siliguri, 1297
Simla, 1396-1397, 1398
Sindri, 1277
Sirohi, 1413
Sitamarhi, 1277
Sivaganga, 1353
Siwan, 1276
Sonada, 1297
Sonepat, 1397
Sopore, 1328
Sri Ganganagar, 1413
Srikakulam, 1249
Srinagar, 1328-1329
Srinagar (Hazaratbal), 1329
Surat, 1325
Suri. 1297
Taki, 1297
Tambaram, 1351
Tamluk, 1297
Tanda Urmar, 1397
Tellicherry, 1353
Tenali, 1249, 1250
Tezpur, 1318
Thevara, 1353
Tiruchirapalli, 1353, 1354
Tirunelveli, 1353
Tirupattur, 1353
Tiruvalla, 1430
Tonk, 1413
Trichinopoly, 1351
Trichur, 1353
Trivandrum, 1428, 1430
Tumkur, 1364
Tuticorin, 1353
Udaipur, 1414
Udipi, 1333, 1354
Udumalpet, 1354

Indian Colls. at (*contd.*)—
Ujjain, 1229
Uluberia, 1297
Unnao, 1229
Uttarpara, 1297
Vaniyambadi, 1354
Vellore, 1354, 1356, 1357
Vijayawada, 1249
Virudhunagar, 1354
Visakhapatnam, 1249
Visnagar, 1325
Vizagapatam, 1248
Vizianagaram, 1249, 1250
Waltair, 1245-1248
Warangal, 1387
Wardha, 1378
Washim, 1378
Indian Culture, 290, 1259, 1291, 1300, 1322, 1401, 1409, 1441
Indian Inst., Oxford, 484
Indian Inst. of Science, Bangalore, 1445
Indian Research Insts., 1287, 1312, 1321, 1333, 1349, 1407, 1440, 1441
Indian Studies, 94, 290, 1300, 1362. *See also separate Langs. and* Hist., Music, Philos.
Indian Univs., General Information, 1211-1220
Indology, 1259, 1362, 1441
Industrial Relations, 30, 50, 86, 162, 397, 446, 545, 765, 781, 873
Maritime Bureau of, 752
Res. Inst., McGill, 794
Industries, Mt. Lyell Sch. of Mines and, Tas., 1064
Industries, S. Australian Sch. of Mines and, Adel., 987
Industry, 270, 597, 699, 948, 1103
Institutional Management. *See* Administration, Institutional
Institutions, Comparative Study of, 445, 994
Instrument Technology, 258
International Air Law, Res. Inst., McGill, 794
International Association of Univs., 1803
International Association of Univ. Profs. and Lectrs., 1804
International Commission for the Northwest Atlantic Fisheries, 752
International Federation of Univ. Women, 1805
International Inst. of Soc. Sciences, 1804
International Relations: *U.K.*—272, 305, 446, 532, 585, 602. *Can.*—810. *Aust.*—994. *Pak.*—1467
International Studies, 50, 220, 221, 274, 719, 720, 1103, 1480, 1773
International Univs. Bureau, 1803
International Univ. Organizations, 1803-1807
Inter-Univ. Board, India, 1219
Inter-Univ. Board, Pakistan, 1463
Inter-Univ. Council for Higher Educn. Overseas, 1500-1501
Iranian. *See* Persian Studies
Ireland, National Univ. of. *See* National Univ. of Ireland
Ireland, Univs. of Republic of, 1770-1798
Ireland, Veterinary Coll. of, 1776
Irish, 1773, 1783, 1786, 1792, 1796
Islamic Studies: *U.K.*—454, 613, 618. *Ind.*—1238, 1291, 1350, 1427, 1439. *Pak.*—1465, 1467, 1477, 1480, 1481, 1489, 1493
Inst. of, Aligarh, 1238
Res. Inst., McGill, 794
Italian Studies: *U.K.*—34, 86, 165, 190, 213, 221, 246, 250, 305, 315, 400, 447, 494, 545, 583, 599, 621. *Can.*—780, 826, 834, 860, 874, 922, 958. *Aust.*—1036, 1044, 1070. *S.A.*—1195. *Ind.*—1314. *R. of Ireland*—1773, 1786. *See also* Romance Langs.
Ivan Curry School of Applied Science, Acadia, 685

Jammu and Kashmir, Univ. of, 1328
Jane Franklin Hall, Hobart, 1064
Japanese, 94, 213, 291, 1077, 1439
Javanese, Old, 291
Jesus Coll., Camb., 100
Jesus Coll., Oxford, 462
Jewish Studies, 241, 403, 454, 809
Post-Biblical, 403, 414
Jews' Coll., Lond., 389
John Curtin School of Med. Research, Canberra, 992
John Innes Hortic. Instn., Herts., 389

Joint Cttee. for Professional Examns., S.A., 1129
Joint Matriculation Board, Manc., 1570
Joint Matriculation Board, S.A., 1648
Journalism: *Can.*—738, 756, 860, 900, 958. *Aust.*—1014, 1033. *N.Z.*—1088, 1100, 1107, 1109. *Ind.*—1299, 1358, 1362, 1393. *Pak.*—1480
Jurisprudence. *See* Law
Jute Technology, 1300

Kalgoorlie, Sch. of Mines, 1072
Kannada, 1331, 1332, 1333, 1350, 1351, 1362, 1382, 1386, 1387
Karachi Univ., 1475
Karnatak Univ, 1331
Keble Coll., Oxford, 462
Kenton Lodge Training Coll., Newcastle upon Tyne, 125
Kesteven Training Coll., Lincs., 431
Khartoum Univ. Coll., 1555
King Alfred's Coll., Winchester, 523
King Edward VII Coll. of Med., Singapore, 1515
King's Coll., Brisbane, 1036
King's Coll., Camb., 101
King's Coll., Lond., 233, 263, 322
King's Coll., Newcastle upon Tyne, 136
King's Coll., Theological Dept., 322
King's Coll., Univ. of, N.S., 743, 755
King's Coll. Hosp. Med. School, Lond., 331
King's Coll. of Aberdeen, 590
King's Coll. of Household and Social Science. *See* Queen Elizabeth Coll.
Kitchener Sch. of Med., Khartoum, 1557, 1558
Knox Coll., Toronto, 938
Korean, 292
Kurdish, 292

Laboratories. *See separate Univs.*
Lady Mabel Coll. of Phys. Educn., Yorks., 513
Lady Margaret Hall, Oxford, 472
Lambeth Degrees, 25
Lampeter, St. David's Coll., 579
Lancashire Independent Coll., Manc., 416
Landscape Design. *See* Architecture
Laryngology and Otology, Inst. of, Lond., 379
Latin, Mediæval, 86
Latin-American Studies, 85, 305
Launceston Technical Coll., Tas., 1064
Laval Univ., 758
Law—
Administrative, 272, 602, 625, 746, 766, 1168, 1519, 1774
African, 294, 1168, 1194
Aviation, 766, 794, 828
Canon, 455, 770, 864, 1170, 1519, 1520
Celtic, 528
Colls.: *U.K.*—226. *Can.*—815. *Ind.*—1247, 1259, 1277, 1282, 1295, 1323, 1325, 1332, 1354, 1365, 1377, 1387, 1397, 1402, 1406, 1423, 1428, 1429, 1435. *Pak.*—1477, 1481, 1494
in Colonial Territories, 272
Commercial: *U.K.*—30, 272, 400, 662. *Can.*—715, 736, 766, 818, 829, 834, 858, 894. *Aust.*—981, 1000, 1003, 1043. *N.Z.*—1105, 1111. *S.A.*—1132. *Other Pts. of Cwth.*—1519. *R. of Ireland*—1772
Comparative, 91, 452, 583, 1168
Educational, 766
Health, 1203
Hindu, 294, 1323, 1325
of Housing and Town and Country Planning, 141, 188, 403
Indian, 1323
Industrial, 400, 602, 766, 829, 834, 1003, 1043, 1048, 1132, 1774
International: *U.K.*—34, 92, 272, 305, 400, 452, 583, 625, 646. *Can.*—747, 766, 829. *Aust.*—1049. *N.Z.*—1091, 1100. *S.A.*—1168. *Ind.*—1349. *Other Pts. of Cwth.*—1519. *R. of Ireland*—1787
International, Private, 190, 602, 626, 1003, 1049, 1168
Islamic, 294, 1557
Local Government, 190
Maritime, 747, 766, 829
Mercantile, 597, 626, 982, 1003, 1049, 1070, 1266, 1283, 1284, 1325
Mohammedan, 1323, 1325

Law (*contd.*)—
Municipal, 829
Native, 1168, 1194
N.Z., 1111
Oriental, 293
Parish, 766
Res. Inst., McGill, 794
Roman-Dutch, 452, 1132, 1168
Scots, 583, 602, 621, 646
Leather, 175, 1029, 1179, 1181, 1293
Industries Research Inst., Grahamstown, 1179
Leeds Coll. of Art, 179
Leeds Coll. of Technol. Printing Dept., 178
Leeds Training Coll., 179
Leeds Univ., 160
Legal Accounting, 747
Legal Aspects of Soc. Work, 1046
Legal Ethics, 34, 982, 1049, 1100
Legal Studies, Inst. of Advanced, Lond., 226
Leicester Coll. of Art, 572
Leicester Domestic Science Training Coll., 51, 572
Leicester Training Coll., 51, 572
Leicester Univ. Coll., 568
Lenton Hurst, Nott., 433
Leprosy, 1135, 1455
Librarianship : *U.K.*—214, 305. *Can.*—707, 784, 835, 844, 860, 937, 959. *S.A.*—1138, 1164. *Ind.*—1251, 1261, 1287, 1299, 1308, 1358. *Pak.*—1485. *R. of Ireland*—1784
Librarianship and Archives, Sch. of, Lond., 310
Libraries. *See separate Univs.*
Copyright, 115, 484, 534, 1531, 1777
Limnology, 926. *See also* Biology, Marine, Fisheries *and* Ichthyology
Lincoln Coll., N. Adel., 987
Lincoln Coll., Oxford, 462
Lincoln Training Coll., 431
Linguistics : *U.K.*—35, 164, 166, 214, 293, 306, 398, 426, 565, 598, 600. *Can.*—764, 826. *Aust.*—981, 1033. *S.A.*—1196. *Ind.*—1291. *Other Pts. of Cwth.*—1504, 1525. *R. of Ireland*—1774. *See also* Logopedics
Lister Inst. of Preventive Med., Lond., 388
Literature, Comparative, 242, 396
Lithography, 487
Liverpool Observatory and Tidal Inst., 199
Liverpool Sch. of Trop. Med., 199
Liverpool Univ., 186
Local Educn. Authorities—
Grants to U.K. Univs., 8
Scholarships, 9-10
Local Government. *See* Government
Local Government, Inst. of, Ont., 873
Logopedics, 1196. *See also* Linguistics
London Coll. of Divinity, 322
London Day Training Coll. *See* Education, Insts. of, London
London Hosp. Med. Coll., 335
London Sch. of Econ. and Pol. Sci., 270
London Sch. of Hygiene and Tropical Med., 384
London Sch. of Med. for Women, 347
London Univ., 207
London Univ.—
External Examns. Overseas, 212
External Students, 210, 212, 219
London Univ., *Schools and Institutions*
Univ. Depts.—
Courtauld Institute of Art, 224
Institute of Advanced Legal Studies, 226
Institute of Archæology, 228
Institute of Classical Studies, 230
Institute of Commonwealth Studies, 231
Institute of Education, 233
Institute of Germanic Languages and Literatures, 238
Institute of Historical Research, 239
School of Slavonic and East European Studies, 240
Warburg Institute, 242
Non-Medical Schools—
Bedford Coll., 244
Birkbeck Coll., 249
Imperial Coll. of Sci. and Technol., 254
King's Coll., 233, 263
London School of Econ. and Pol. Sci., 270
Queen Elizabeth Coll., 277
Queen Mary Coll., 279

London Univ., *Schools and Institutions (contd.)*—
Non-Medical Schools (contd.)—
Royal Holloway Coll., 284
Royal Veterinary Coll. and Hosp., 287
School of Oriental and African Studies, 290
School of Pharmacy, 297
University Coll., 299
Westfield Coll., 315
Wye Coll., 318
Theological Schools—
King's Coll., Theological Dept., 322
London Coll. of Divinity, 322
New Coll., 324
Richmond Coll., 323
Undergrad. Medical Schools—
Charing Cross Hosp. Med. Sch., 324
Guy's Hosp Med. Sch., 327
King's Coll. Hosp. Med. Sch., 331
London Hosp. Med. Coll., 335
Middlesex Hosp. Med. Sch., 339
Royal Dental Hosp. of Lond., Sch. of Dent. Surg., 342
Royal Free Hosp. Sch. of Med., 345
St. Bartholomew's Hosp. Med. Coll., 349
St. George's Hosp. Med. Sch., 352
St. Mary's Hosp. Med. Sch., 355
St. Thomas's Hosp. Med. Sch., 358
Univ. Coll. Hosp. Med. Sch., 362
Westminster Med. Sch., 366
Postgrad. Medical Schools—
British Postgraduate Med. Fed., 369
Inst. of Basic Med. Scis , 375
Inst. of Cancer Res., 376
Inst of Cardiology, 376
Inst. of Child Health, 376
Inst. of Dental Surgery, 377
Inst. of Dermatology, 377
Inst. of Diseases of Chest, 378
Inst. of Laryngology and Otology, 379
Inst. of Neurology, 379
Inst. of Obstetrics and Gynæcology, 380
Inst. of Ophthalmology, 381
London Univ., *Schools and Institutions (contd.)*—
Postgrad. Medical Schools (contd.)—
Inst. of Orthopædics, 381
Inst. of Psychiatry, 382
Inst. of Urology, 383
Postgrad. Med. Sch., 375
Lister Inst., 388
London Sch. of Hyg. and Trop. Med., 384
Institutions with Recog. Teachers—
Battersea Polytechnic, 389
Chelsea Polytechnic, 389
Coll. of Estate Management, 389
East Malling Res. Stn., 389
Goldsmiths' Coll., 233, 389
Jews' Coll., 389
John Innes Hortic. Instn., 389
Maria Grey Training Coll., 234, 390
Nat. Inst. for Med. Res., 390
Northampton Polytechnic, 390
Northern Polytechnic, 390
Rothamsted Exp. Stn., 390
Royal Academy of Music, 390
Royal Coll. of Music, 390
Sir John Cass College, 390
Trinity Coll. of Music, 390
West Ham Coll. of Technology, 390
Woolwich Polytechnic, 390
Long Ashton Res. Stn., Brist., 70
Loughborough Training Coll., Leics., 431
Lucknow Univ., 1336
Lutheran Coll. and Seminary, Sask., 907
Luther Theological Seminary, Sask., 907

Macaulay Inst. for Soil Res., Aberd., 590
Macdonald Coll., P.Q., 774, 791
Macdonald Inst., Guelph, Ont., 939, 941
McGill Coll., Montr., 775
McGill Univ., 774
Machine Design and Construction, 665
McMaster Univ., 798
Madingley Hall, Camb., 117
Madras Univ., 1348
Magdalen Coll., Oxford, 463
Magdalene Coll., Camb., 102

Magee Univ. Coll., Londonderry, 662, 666, 1776
Magnetism, Solar, 79
Maharaja Sayajirao Univ. of Baroda, 1264
Maison Française, Oxford, 486
Maithili, 1275, 1276, 1401, 1403
Makerere Coll., 1534
Malaria Control, 386
Malay Studies, 213, 291, 1036, 1512
Malaya, Univ. of, 1511
Malayalam, 1350, 1351, 1352, 1427, 1428, 1429
Malta, Royal Univ. of, 1519
Maltese, 1520
Malting, 35, 47
Management, Farm. *See* Agriculture, Farm Management
Management Studies, Glasgow Sch. of, 641
Manchester Baptist Coll., 416
Manchester Coll. of Housecraft, 418
Manchester Coll. of Technology, 416
Manchester School of Architecture, 395
Manchester Training Coll., 418
Manchester Univ., 394
Mandarin, 1508
Manitoba Law School, 815
Manitoba Univ., 806
Manresa Coll., Lond., 234
Marathi: *U.K.*—214, 290. *Ind.*—1225, 1226, 1265, 1282, 1283, 1285, 1331, 1332, 1333, 1373, 1382, 1386, 1387, 1388, 1405, 1422
Margaret McMillan Training Coll., 179
Maria Assumpta Training Coll., Lond., 234
Maria Grey Training Coll., Lond., 234, 390
Marine Biological Stn., N.Z., 1096
Marine Biological Stn., Port Erin, Isle of Man., 198
Marischal Coll., Aberdeen, 590
Maritime Bureau of Industrial Relations, 752
Maritime Coll. of Pharmacy, Halifax, N.S., 751
Maritime Conservatory of Music, 751
Maritime Labour Inst., 752
Maritime School of Social Work, Halifax, N.S., 682, 685, 841
Marshall Scholps., 1801
Mason Coll., Birm., 45
Massey Agricultural Coll., N Z., 1118
Mathematical Analysis, 140, 165, 191, 400, 553
Mathematical Inst., Oxford, 486
Mathematics—
  Actuarial, 612, 806, 1205
  History of, 631
  Philosophy of, 448
Matlock Training Coll., Derby., 431
Matriculation. *See* Admission
Mauritius, Coll. of Agric., 1553
Mechanical Drawing, 760, 834, 1324
Mediæval Studies, 833, 944
  Inst. of, Montr., 833
  Pontifical Inst. of, Toronto, 924, 944
Medical—
  Biochemistry, 47, 440, 999
  Chemistry, 992
  Economics, 696, 767
  Ethics: *U.K.*—170, 407, 587. *Can.*—830, 862. *Aust.*—1009, 1050. *S.A.*—1135, 1169. *R. of Ireland*—1792
  History and Literature, 508, 603, 650, 768, 863, 960, 1050
  Mycology. *See* Mycology
  Physics, 170, 407, 647
  Research Council Unit, Oxford, 440
  Research, John Curtin School of, Canberra, 992
  Research, National Inst. for, Lond., 390
  Research, Nuffield Inst. for, Oxford, 485
  Research, S.A. Inst. for, 1205
  Sciences, Inst. of Basic, Lond., 375
  Technology, Inst. of, Montreal, 836
Medicine—
  Colls., Schools and Depts. of: *U.K.*—38, 64, 92, 143, 169, 194, 212-213, 324-388, 390, 406, 452, 507, 554, 586, 602, 626, 648, 662. *Can.*—695, 724, 747, 766, 784, 812, 830, 862, 874, 904, 930, 959. *Aust.*—984, 992, 1008, 1035, 1049. *N.Z.*—1093, 1107. *S.A.*—1134, 1149, 1168, 1198. *Ind.*—1222, 1225, 1226, 1236, 1248, 1259, 1267, 1277, 1282, 1284, 1293, 1294, 1308, 1313, 1318, 1321, 1323, 1333, 1341, 1355, 1356, 1363, 1364, 1376, 1378, 1389, 1397, 1402, 1406, 1412,

Medicine (*contd.*)—
Colls., Schools and Depts. of: (*contd.*)—
1430, 1435. *Cey.*—1454. *Pak.*—1469, 1476, 1482, 1494. *Other Pts. of Cwth.*—1505, 1513, 1520, 1529, 1535, 1543, 1557. *R. of Ireland*—1774, 1783, 1787, 1793, 1797
Experimental, and Surg., Inst. of, Montr., 836
Humanities in, 930
Industrial, 331, 352, 509, 613, 1775
Preventive: *U.K.*—66, 172, 388, 410, 556; 630, 663. *Can.*—695, 749, 813, 875, 930, 960, 961. *Aust.*—985, 1034, 1051. *N.Z.*—1093. *S.A.*—1203. *Ind.*—1268, 1376, 1402. *Other Pts. of Cwth.*—1521, 1530, 1536, 1544. *R. of Ireland*—1775
Psychological: *U.K.*—40, 73, 123, 146, 197, 216, 374, 382, 508, 557, 629. *Aust.*—984, 1014, 1038, 1056. *S.A.*—1135, 1204. *Ind.*—1287. *Cey.*—1455. *Other Pts. of Cwth.*—1514. *R. of Ireland*—1775, 1794
Social: *U.K.*—43, 410, 453, 509, 604, 651, 663. *Can.*—785, 813. *Aust.*—1011, 1035, 1055. *Ind.*—1268, 1343, 1376, 1402. *Other Pts. of Cwth.*—1506, 1514, 1521, 1530. *R. of Ireland*—1775
Tropical: *U.K.*—198, 199, 216, 333, 340, 384, 454, 613. *Can.*—795. *Aust.*—1035, 1052, 1055. *S.A.*—1204. *Ind.*—1299. *Cey.*—1457
Meisieskool, Oranje, S.A., 1153
Melbourne Coll. of Divinity, 1014
Melbourne Univ., 998
Memorial Coll., Brecon, 526
Memorial Univ. of Newfoundland, 793, 821, 854
Mental Deficiency, 41, 67, 410, 650
Mental Diseases: *U.K.*—40, 66, 67, 92, 172, 192, 325, 328, 332, 336, 339, 346, 350, 353, 355, 362, 367, 370, 379, 382, 409, 410, 454, 495, 629, 649, 664. *Can.*—697, 727, 749, 768, 788, 831, 864, 875, 933, 961. *Aust.*—1035, 1051. *N.Z.*—1094. *S.A.*—1169, 1203. *Ind.*—1267, 1342, 1355, 1377. *Other Pts. of Cwth.*—1505, 1520, 1544. *R. of Ireland*—1787, 1793, 1797
of Children, 172, 410
of Criminals, 410
See also Neuropsychiatry
Mental Health, Mental Hygiene, 273, 587, 873, 1035, 1046, 1203
Merton Coll., Oxford, 464
Mesopotamian Studies, 403
Metabolism, 41, 496, 1172
Metal Enamelling, 1261
Metalliferous Mining, Camborne Sch. of, Cornwall, 416
Metallography, 401, 546, 1008
Metallurgy: *U.K.*—35, 63, 87, 140, 174, 194, 217, 257, 389, 390, 392, 401, 412, 427, 440, 504, 510, 545, 552, 639. *Can.*—695, 721, 763, 783, 873. *Aust.*—987, 1003, 1008, 1027, 1065. *N.Z.*—1091, 1096. *S.A.*—1198. *Ind.*—1259, 1322, 1418, 1447
Chemical, 1008
Electro-, 401, 1447
Ferrous, 260
Industrial, 35
Mechanical, 1008
Non-Ferrous, 401, 504
Physical, 35, 504, 505, 1032
Production, 504
See also Engineering, Metallurgical and Physics, Metal
Meteorology, 133, 258, 448, 449, 763, 1003, 1246, 1266
Methodist Coll., Manc., 416
Meyerstein Inst. of Radiotherapy, Lond., 341
Microbiology: *U.K.*—71, 73, 80, 439, 495, 509, 641, 665. *Can.*—731, 809, 836. *Aust.*—987, 992. *N.Z.*—1115, 1119. *S.A.*—1146. *Ind.*—1283, 1324, 1409
Chemical, 440
Microbiology and Hygiene, Inst. of, Montr., 836
Micro-Nutrients, 71
Micropalæontology, 304

Middlesex Hosp. Med. School, 339
Middle Eastern Studies, 292
Midland Agric. Coll., Notts., 431
Midwife Teachers' Cert., 73
Military Formations : *U.K.*—*See separate Univs.* *Can.*—686, 703, 709, 733, 741, 796, 801, 818, 837, 842, 849, 855, 868, 878, 887, 892, 901, 909, 915, 963. *Aust.*—989, 1015, 1022, 1030, 1058, 1074. *S.A.*—1174. *Ind.*—1231, 1262, 1272, 1278, 1288, 1315, 1326, 1390, 1400, 1415, 1420, 1425, 1432, 1438, 1448, 1473, 1477. *R. of Ireland*—1795
Military Studies : *U.K.*—113, 214, 218, 265, 401. *Can.*—882, 963. *Ind.*—1221, 1223, 1225, 1226, 1227, 1235, 1241, 1346
Mineral Dressing, 175, 259, 721, 783
Mine Rescue, 610
Mineralogy : *U.K.*—34, 87, 128, 139, 164, 444. *Can.*—719, 763, 809, 834, 921. *Aust.*—982, 1002, 1033. *S.A.*—1133. *Ind.*—1447. *Pak.*—1479, 1480. *R. of Ireland*—1773
Mines, Indian Sch. of, Dhanbad, 1277
Mines, Otago Sch. of, 1096
Mines, Royal Sch. of, Lond., 259
Mines, Sch. of, Kalgoorlie, 1072
Mines and Industries, Mt. Lyell Sch. of, Tasmania, 1064
Mines and Industries, S. Australian Sch. of, Adel., 987
Mining : *U.K.*—36, 123, 140, 175, 180, 217, 258, 260, 427, 507, 546, 599, 622. *Can.*—695, 721, 763, 783, 822. *Aust.*—987, 1008, 1065, 1072. *N.Z.*—1091, 1096, 1106. *Ind.*—1259, 1277. *See also* Engineering, Mining
  Coal, 36, 180, 1048, 1091
  Metal, 36, 175, 416, 548, 983
Ministry of Educn. Scholps., 9-10
Missiology, Inst. of, Ott., 860
Modern Languages, Inst. of, Brisbane, 1036
Molteno Inst., Camb., 116
Môn, 291
Montreal Diocesan Coll., 793
Montreal Univ., 824
Moravian Coll., Manc., 416
Moreau Seminary, N.B., 897
Mount Allison Univ., 793, 839, 854
Mount Lyell Sch. of Mines and Industries, Tasmania, 1064
Mount Royal Coll., Calgary, 700
Mount St. Bernard Coll., N.S., 890
Mount St. Vincent Coll., 756, 844
Municipal Coll. of Technology, Belfast, 662, 664, 666
Municipal Coll. of Technology, Bristol, 71
Municipal Coll. of Technology, Manc., 416
Music—
  African, 292
  Byzantine, 447
  Church, 951. *See also* Gregorian Chant
  Indian, 290, 1330, 1349, 1351, 1440
  Irish, 1792
  Royal Academy of, Lond., 390
  Royal Coll. of, Lond., 390
  Teachers' Coll., Ont., 961
  Trinity Coll. of, Lond., 390
Mycology : *U.K.*—58, 70, 80, 90, 169, 170, 319, 378, 385, 395, 432, 562, 589, 611, 661. *Other Pts. of Cwth.*—1529, 1553
  Dermatological, 395, 407
Mysore Univ., 1360

Nagpur Univ., 1368
Natal Agricultural Res. Inst., 1148
Natal Univ., 1142
National Agricultural Advisory Service, 320
National Conference of Canadian Univs., 681
National Inst. for Med. Res., Lond., 390
National Inst. for Res. in Dairying, 496, 497
National Inst. of Adult Education, 26
National Society's Training Coll. of Dom. Subjs., Lond., 234
National Training Coll. of Dom. Subjs., Lond., 234
National Univ. of Ireland, 1782
  Univ. Coll., Cork, 1785
  Univ. Coll., Dub., 1791
  Univ. Coll., Galway, 1796
Navigation, 589, 640
  School of, Glasgow, 640

Near Eastern Studies, 292
Nederlands Studies, 1133, 1143, 1155, 1179, 1183, 1190, 1193. *See also* Dutch
Nepali, 290
Nervous Diseases, 339, 768
Neuro-anatomy, 29, 786
Neurological Inst., McGill, 786
Neurology: *U.K.*—40, 65, 170, 328, 353, 356, 359, 379, 408, 453, 508, 556, 604, 643. *Can.*—725, 726, 748, 786, 831, 926. *N.Z.*—1094. *S.A.*—1201. *See also* Surgery
  Experimental, 65, 408, 786
  Inst. of, Lond., 379
Neuropsychiatry, 1135
Neville's Cross Coll., Durham, 125, 132
New Brunswick Univ., 847, 854
Newcastle Univ. College, N.S.W., 968, 1021, 1028
Newcastle upon Tyne. *See* Durham Univ.
New Coll., Edinburgh, 609
New Coll., London, 323
New Coll., Oxford, 464
New England, Univ. of, 1019
Newfoundland, Mem. Univ. of, 793, 821, 854
New Hall, Camb., 109
Newman Coll., Melb., 1012
Newnham Coll., Camb., 109
New South Wales University of Technology, 968, 1024
New Zealand Univ. Instns., General Information, 1083-1085
New Zealand Univ., 1086
  Auckland Univ. Coll., 1105
  Canterbury Agric. Coll., 1114
  Canterbury Univ. Coll., 1099
  Massey Agric. Coll., 1118
  Otago Univ., 1089
  Victoria Univ. Coll., 1110
Nonington Coll. of Phys. Educn., Kent, 234
Norse Studies, 622
Northampton Polytechnic, Lond., 390
Northern Polytechnic, Lond., 390
Northern Universities Joint Matriculation Board, 1570
North of Scotland Coll. of Agriculture, Aberdeen, 588
North Riding Trg. Coll., Yorks., 179
North Staffordshire, Univ. Coll. of, 574
North Wales, Univ. Coll. of, Bangor, 537
Norwegian, 87, 139, 221, 308. *See also* Scandinavian Studies
Notre-Dame Coll., Ottawa, 866
Notre-Dame Coll., Sask., 866
Notre-Dame d'Acadie Coll., N.B., 896
Notre-Dame Training Coll., Liverpool, 200
Nottinghamshire County Training Coll., 431
Nottingham Univ., 424
Nova Scotia Agric. Coll., 793, 851
Nova Scotia Municipal Bureau, 752
Nova Scotia Tech. Coll., 682, 853, 891
Nuffield Coll., Oxford, 474
Nuffield Inst. for Med. Research, Oxford, 485
Numismatics, 447
Nursing: *U.K.*—180, 221, 408. *Can.* 696, 707, 721, 745, 790, 800, 817, 835, 845, 860, 873, 890, 904, 908, 935, 960. *S.A.*—1138, 1173, 1201, 1203. *Ind.*—1309, 1313, 1357
  Industrial, 47, 709, 1055
  Psychiatric, 1173
  Public Health, 702, 709, 732, 816, 868, 873, 962
  Social, 1204
  Teaching of, 180, 800, 962, 1201. *See also* Sister Tutor's Course
Nutrition: *U.K.*—211, 213, 214, 277, 384, 453, 496, 585. *Can.*—768, 792, 811, 836, 940, 942. *Aust.*—989, 1046. *N.Z.*—1091. *S.A.*—1203. *Ind.*—1267, 1299. *Other Pts. of Cwth.*—1514, 1538
  Animal: *U.K.*—90, 590. *Can.*—792, 818. *Aust.*—988, 1046. *S.A.*—1170. *Ind.*—1227, 1356. *Other Pts. of Cwth.*—1529. *R. of Ireland*—1787
  Dietetics and, Inst. of, Montreal, 836
  Public Health, 934

Obstetrics and Gynæcology, Inst. of, Lond., 380
Oceanic Languages, 291, 1042. *See also* Pacific Studies

Oceanography, 191, 582, 715, 724, 733
Chemical, 715
Inst. of, B.C., 733
Oil Technology, 257, 699, 1280, 1379
Oka Agric. Inst., Quebec, 834
Ontario Agricultural Coll., Guelph, 938
Ontario Coll. of Art, Tor., 942
Ontario Coll. of Education, Tor., 937
Ontario, Royal Coll. of Dental Surgeons of, 942
Ontario Veterinary Coll., Guelph, 941
Ophthalmology, Inst. of, Lond., 381
Inst. of, Aligarh, 1238
Optometry, 835, 908
Orange Free State Univ., 1151
Oriel Coll., Oxford, 465
Oriental and African Studies, Sch. of, Lond., 292
Oriental Learning, Titles in, *Ind.*—1217, 1251, 1256, 1259, 1330, 1358, 1380, 1399, 1403, 1432, 1437. *Pak.*—1463, 1481, 1485
Oriental Studies: *U.K.*—61, 94, 123, 129, 133, 290, 454, 646. *Can.*—809, 923, 952. *Aust.*—1077. *Ind.*—1256, 1259, 1266, 1278, 1349, 1407, 1428. *Cey.*—1457. *Pak.*—1481, 1484, 1494. *Other Pts. of Cwth.*—1506, 1520. *R. of Ireland*—1775. *See also separate langs. and* History, Oriental
Inst. of, Hong Kong, 1506
Oriya, 1275, 1434, 1435, 1436, 1440
Ormond Coll., Melb., 1012
Ornithology, 451
Ornithology, Field, Edward Grey Inst. of, Oxford, 486
Orthopædics, Inst. of, Lond., 381
Osmania Univ., 1381
Otago School of Mines, 1096
Otago Univ., 1089
Otology, Ferens Inst. of, Lond., 341
Otology, Inst. of Laryngology and, Lond., 379
Ottawa Assocn. for Advancement of Learning, 736
Ottawa Univ., 857
Overseas Students at U.K. Univs., Statistics of. *See under* Statistics
Owens Coll., Manc., 416
Oxford and Cambridge Schools Examn. Bd., 116, 487
Oxford Colls. and Halls—
All Souls, 457
Balliol, 458
Brasenose, 459
Campion, 471
Christ Church, 459
Corpus Christi, 460
Exeter, 461
Hertford, 461
Jesus, 462
Keble, 462
Lady Margaret, 472
Lincoln, 462
Magdalen, 463
Merton, 464
New Coll., 464
Nuffield, 474
Oriel, 465
Pembroke, 466
Queen's, The, 466
St. Anne's, 474
St. Antony's, 471
St. Benet's, 471
St. Catherine's Society, 471
St. Edmund, 470
St. Hilda's, 473
St. Hugh's, 473
St. John's, 467
St. Peter's, 470
Somerville, 472
Trinity, 468
University, 468
Wadham, 469
Worcester, 469
Oxford Delegacy of Local Examinations, 487
Oxford Univ., 438

Pacific Studies, 994, 1077. *See also* Oceanic Langs.
Research Sch. of, Canberra, 994
Padgate Training Coll., Lancs., 418
Paint Research Inst., Natal, 1146
Painting. *See* Art
Pakistan Colls. at—
Abbottabad, 1488
Bagereat, 1491
Bahawalpur, 1482
Bannu, 1488
Barisal, 1469
Bogra, 1491
Campbellpur, 1482
Chakwal, 1483
Chittagong, 1469-1470

Pakistan Colls. at (*contd.*)—
Chittagong (Kanungopara), 1470
Chittagong (Nazirhat), 1470
Comilla, 1470
Dacca, 1469, 1470
Dacca (Manikganj), 1470
Dacca (Munshiganj), 1470
Dacca (Narayaganj), 1470
Dacca (Tejgaon), 1470
Daulatpur, 1491
D. G. Khan, 1483
D. I. Khan, 1488
Dinajpur, 1491
Faridpur, 1470
Faridpur (Madaripur), 1470
Gujranwala, 1483
Gujrat, 1483
Hala, 1493
Hyderabad, 1494
Jessore, 1491
Jhang, 1483
Karachi, 1476-1477
Khulna, 1491
Kohat, 1488
Kushtia, 1491
Lahore, 1481-1483
Lyallpur, 1482, 1483
Mardan, 1489
Mianwali, 1483
Mirpurkhas, 1494
Montgomery, 1483
Multan, 1482, 1483
Mymensingh, 1469, 1470-1471
Mymensingh (Bhairab), 1471
Mymensingh (Gaffargaon), 1471
Mymensingh (Jamalpur), 1471
Mymensingh (Karatia), 1471
Mymensingh (Kishoreganj), 1471
Mymensingh (Tangail), 1471
Noakhali, 1471
Pabna, 1491
Peshawar, 1489
Quetta, 1483
Rajshahi, 1491
Rangpur, 1491
Rawalpindi, 1483-1484
Sakrand, 1494
Sargodha, 1484
Satkhira, 1491
Serajganj, 1491
Shikarpur, 1494
Sialkot, 1484
Sylhet, 1471
Sylhet (Habiganj), 1471
Pakistan Colls. at (*contd.*)—
Sylhet (Sunamganj), 1471
Tipperah, 1471
Tipperah (Paschimgaon), 1471
Pakistan, Inter-Univ. Board, 1463
Pakistan, Off. of High Commissioner, Educn. Dept., Lond., 1463
Pakistan Univs., General Information, 1461-1464
Palæobotany, 424, 699
Palæography, Hebrew, 292
Palæography and Diplomatic, 38, 85, 129, 190, 239, 266, 305, 401, 441, 447, 548, 599, 659, 1786
Palæontology, 164, 399, 719, 777, 921
Palæozoology, 84
Pali, 213, 290, 1266, 1275, 1283, 1291, 1375, 1440, 1453
Panjab (India) Univ., 1392
Panjab Univ., Lahore, 1478
Panjabi, 1309, 1329, 1393, 1485
Paper Manufacture, 412, 589
Papyrology, 302, 447
Parasitology: *U.K.*—62, 68, 87, 192, 288, 385. *Can.*—727, 792, 864, 934, 942. *Aust.*—1034, 1035, 1046, 1055. *S.A.*—1199. *Ind.*—1227, 1284, 1356. *Cey.*—1455. *Other Pts. of Cwth.*—1505, 1514, 1520, 1529
Inst. of, McGill, 792
Molteno Inst., Camb., 116
Parliamentary Grants, U.K., 6-8
Parliamentary Representation—
Gt. Britain, 27
N. Ireland, 27, 657
R. of Ireland, 1770, 1782
Pashto, 1485
Pasture Management, 1146
Pathology—
Animal, 95, 792, 834, 1034, 1119
Bland-Sutton Inst. of, Lond, 340
Chemical: *U.K.*—42, 66, 68, 93, 146, 171, 324, 327, 346, 352, 356, 359, 362, 366, 372, 390, 409, 933, 960. *Aust.*—1010. *S.A.*—1136
Comparative, 661
Experimental, 171, 353, 992
Forest, 714, 718
Genito-Urinary, 171
Gynæcological, 171, 1505
of Industrial Diseases, 171

Pathology (*contd.*)—
Neuro-, 66, 171, 372, 932, 1010
Ophthalmic, 409
Psycho-, 495
Surgical, 171, 769
Pathology, Insts. of—
Belfast, 663
Cardiff, 558
McGill, 794
Pretoria, 1172
Patna Univ., 1401
Paton Congregational Coll., Nott., 433
Patristic Studies, 455, 1520
Paurohitya, 1261
Pembroke Coll., Camb., 102
Pembroke Coll., Oxford, 466
Percival David Foundation of Chinese Art, 295
Persian Studies: *U.K.*—94, 129, 213, 292, 401, 454, 600. *Ind.*—*See separate Univs.* *Pak.*—1468, 1480, 1481, 1488
Personnel Appraisal Research Inst., McGill, 794
Personnel Management, 274, 548, 641, 860, 1181
Perth Tech. Coll., W. Aust., 1072
Peshawar Univ., 1487
Peterhouse, Camb., 103
Petroleum Technology, 427, 699
Petrology, 60, 87, 399, 426, 598, 834
Pharmaceutics. *See* Pharmacology
Pharmacognosy. *See* Pharmacology
Pharmacology: *U.K.*—*See separate Univs.* *Can.*—693, 697, 721, 727, 749, 751, 769, 788, 810, 827, 864, 875, 905, 908, 932, 936, 961. *Aust.*—983, 1004, 1010, 1045. *N.Z.*—1094. *S.A.*—1133, 1155, 1171, 1202. *Ind.*—1222, 1225, 1226, 1246, 1268, 1280, 1282, 1284, 1321, 1322, 1342, 1355, 1356, 1363, 1377, 1385, 1389, 1393, 1402, 1415, 1447. *Cey.*—1456. *Pak.*—1480. *Other Pts. of Cwth.*—1508, 1512, 1520, 1530, 1536, 1544. *R. of Ireland*—1775, 1787, 1797
Pharmacy. *See* Pharmacology
Maritime Coll. of, Halifax, N.S., 751
Sch. of, Lond., 297
Welsh Sch. of, Cardiff, 547
Philippa Fawcett Coll., Lond., 234
Philology: *U.K.*—87, 187, 189, 214, 264, 444, 448, 581, 601. *Can.*—826. *Aust.*—980, 1002, 1044. *Ind.*—1298, 1362. *R. of Ireland*—1776, 1785
Celtic, 1796
Classical, 776
Dravidian, 1333
Romance, 164, 264, 403, 443, 531, 538, 545, 598, 622, 659, 1786
Semitic, 129, 403, 414, 454
Slavonic, 240, 448
Teutonic, 531, 538, 598, 1002, 1163
Philosophy—
Arabic, 454
Chinese, 129, 291
Indian, 129, 290, 1261, 1349
Scholastic, 660
Social, 427, 660, 994, 1046
Phonetics. *See* Linguistics
Photoelasticity, 302, 1419
Photogrammetry, 302, 1418, 1419
Photography, 78, 146, 228, 704, 732, 879, 1243
Physical Education: *U.K.*—35, 61, 154, 166, 406, 518, 533, 548, 563, 576, 592, 614, 631, 651, 652, 666. *Can.*—684, 693, 722, 751, 790, 793, 801, 803, 822, 841, 849, 861, 873, 890, 905, 936, 937, 940, 942, 959. *Aust.*—983, 1004, 1014, 1034, 1069. *N.Z.*—1092, 1102, 1108, 1112. *S.A.*—1152, 1157, 1167, 1179, 1187. *Ind.*—1248, 1253, 1269, 1278, 1332, 1358, 1379, 1398, 1432. *Cey.*—1456. *Pak.*—1472, 1480.
Physical Education, Colls., Insts. and Schools of, 51, 180, 233, 861
Physical Sciences, Research School of, Canberra, 993
Physics—
Colloid, 402
Colour, 1280
Electron, 32, 1447
Mathematical: *U.K.*—35, 88, 447, 553, 584. *Can.*—745, 809. *Aust.*—982. *Ind.*—1248. *R. of Ireland*—1783, 1786, 1792, 1797
Meteorological, 88, 1323
Nuclear, Inst. of, Calc., 1300

Physics (*contd.*)—
Particle, 993
Radiation, 1034
Radiological, 402, 605
Solar, 79
Textile, 176
Theoretical: *U.K.*—88, 140, 191, 251, 266, 401, 402, 428, 449, 546, 584. *Aust.*—993, 1070. *Ind.*—1236, 1323
Physiology—
Animal, 90, 95, 142, 1119
Aviation, 623
Chemical, 37, 62, 402
Crop, 485
Electro-, 379
Industrial, 605
Mammalian, 88
of Domestic Animals, 998
of Nutrition, 585
Psycho-, 62, 862
Renal, 37
Physiotherapy, 66, 703, 769, 779, 790, 875, 932, 983, 1035, 1202
Pilgrim Coll., Lincs., 433
Pine Hill Divinity Hall, Halifax, N.S., 751, 841
Placement. *See* Appointments Boards
Plant—
Biochemistry, 35, 999, 1163
Biology, 263, 1771
Biophysics, 161
Breeding, 533, 661, 694, 1041, 1323, 1382, 1549, 1787
Cytology, 180, 986
Ecology, 906
Genetics, 661, 694, 986
Morphology, 917
Nutrition, 71
Pathology: *U.K.*—180, 254, 389, 392, 661. *Can.*—694, 792, 917. *Aust.*—980, 987, 1041. *N.Z.*—1116. *S.A.*—1146, 1166, 1189. *Ind.*—1332, 1368. *Other Pts. of Cwth.*—1529, 1548. *R. of Ireland*—1787
Physiology: U.K. 71, 80, 254, 259, 389, 393, 543. *Can.*—917. *Aust.*—987, 999. *S.A.*—1163. *Other Pts. of Cwth.*—1549
Regeneration, 988
Science, 694, 811
Plastics, 1280
Play-writing, 704
Poetry, 163, 449
Chinese, 291
Polar Res. Inst., Scott, Cambridge, 116
Polish, 88, 213, 221, 240, 624, 647
Political Science, London Sch. of Economics and, 270
Pomology, 71, 389, 1189. *See also* Fruit Culture, Viticulture
Pontifical Inst. of Medieval Studies, Toronto, 944
Poona Univ., 1405
Port Erin (Isle of Man), Marine Biol. Stn., 198
Portsmouth Training Coll., 523
Portuguese Studies, 88, 167, 190, 213, 266, 403, 450, 922, 1332. *See also* Romance Langs., Hispanic Studies
Postgraduate Awards, 1651-1764
Postgraduate Med. Fed., British, 369
Postgraduate Med. Sch. of Lond., 375
Postgraduate Sch. of Theology, Edin., 613
Potato Research, 429
Potchefstroom Univ., 1155
Poultry. *See under* Husbandry
Prakrit, 1332, 1333, 1339, 1340, 1344, 1375, 1408, 1440
Presbyterian Coll., Belfast, 665, 666
Presbyterian Coll., Carmarthen, 526
Presbyterian Coll., Montreal, 793
Presses. *See* University Presses
Pretoria Univ., 1162
Preventive Medicine, Inst. of, Cardiff, 558
Lister Inst. of, Lond., 388
Prince of Wales Coll., P.E.I., 751, 793, 841
Principals, Committee of, S.A., 1129
Printing, 178, 610, 1265, 1280
Printing Dept., Leeds Coll. of Technol., 178
Proctology, 353
Protozoology, 1055, 1171
Provençal, 89
Provincial Inst. of Technology and Art, Calgary, 701
Psyhicatric Social Work, 146, 172, 382, 410
Psychiatry. *See* Mental Diseases
Allan Mem. Inst. of, McGill, 788
Inst. of, Lond., 382

Psychology: *U.K.*, *Can.*, *Aust.*, *N.Z.*, *S.A.*—*See separate Univs.* *Ind.*—1222, 1224, 1228, 1235, 1261, 1266, 1274, 1292, 1346, 1349, 1350, 1351, 1362, 1375, 1399, 1401, 1402, 1403, 1405, 1435. *Pak.*—1472, 1476. *Other Pts. of Cwth.*—1538. *R. of Ireland*—1786, 1792
Child, 47, 192, 382, 414. *See also* Child Studies
Educational: 47, 83, 166, 234, 405, 510, 1038, 1153, 1167, 1186
Experimental, Inst. of, Oxford, 450, 486
Industrial, 89, 166, 273, 623, 1772
Inst. of, Ottawa, 859, 861, 864
Social, 37, 166, 273, 585
Public Administration: *U.K.*—34, 73, 91, 123, 192, 218, 222, 272, 428, 449, 481, 486, 502, 510, 522, 566, 633, 668. *Can.*—738, 862. *Aust.*—981, 1014, 1043, 1046, 1065, 1078. *N.Z.*—1112. *S.A.*—1148, 1154, 1166, 1183. *Ind.*—1346, 1349, 1367, 1373. *Other Pts. of Cwth.*—1538. *R. of Ireland*—1779, 1784, 1792
Public Affairs, 745
Inst. of, Dalhousie, 745, 752
Public Health. *See* Health, Public
Public Health and Tropical Medicine, Sch. of, Sydney, 1055
Public Service Studies, 740
Public Speaking, 862, 954

Quaternary Research, 80
Queen Elizabeth Coll., Lond., 277
Queen Mary Coll., Lond., 279
Queen's Coll., Belf. *See* Queen's Univ. of Belfast
Queens' Coll., Camb., 103
Queen's Coll., Cork, 1794
Queen's Coll., Dundee, 643, 652
Queen's Coll., Galway, 1797
Queen's Coll., Melb., 1012
Queen's Coll., The, Oxford, 466
Queensland Univ., 1031
Queensland Univ. Union Coll., Brisbane, 1037
Queen's Theol. Coll., Kingston, Ont., 876
Queen's Univ. of Belfast, The, 657
Queen's Univ., Kingston, Ont., 870, 943

Rabbinics, 95
Rachel McMillan Coll., Lond., 234
Radioastronomy, 88, 401, 402
Radiochemistry, 127, 993
Radiodiagnosis, 65, 172, 197, 340, 356, 359, 508, 588, 605
Radiography, 930, 937, 984, 1173
Radiology and Electrology: *U.K.*—*See separate Univs.* *Can.*—698, 730, 746, 749, 769, 789, 813, 829, 832, 864, 875, 933, 937, 942, 961. *Aust.*—985, 1010, 1050. *N.Z.*—1094. *S.A.*—1136, 1169, 1203. *Ind.*—1222, 1268, 1299, 1342, 1355, 1356. *Pak.*—1485. *Other Pts. of Cwth.*—1506, 1514, 1530, 1544. *R. of Ireland*—1775, 1788
of the Heart, 376
Radiophysics, 88, 1292, 1342
Radiotherapy: *U.K.*—67, 94, 173, 197, 325, 340, 346, 353, 356, 359, 363, 376, 410, 508, 557, 613. *S.A.*—1205. *Ind.*—1342
Meyerstein Inst. of, 341
Radio-writing, 704
Radium Inst., Manchester, 418
Radium Inst., Montreal, 836
Raffles Coll., Singapore, 1515
Rajputana Univ., 1411
Rajshahi Univ., 1491
Rawdon Coll., nr. Leeds, 178
Rayon Technology, 176
Reading Univ., 492
Redland Training Coll., Brist., 74
Refractories, 174
Regina Coll., Sask., 907
Regional Coll. of Art, Manc., 418
Religion: *U.K.*—62, 95, 215, 221, 631. *Can.*—739, 765, 782, 862, 874, 886, 896, 900, 938, 952. *S.A.*—1181. *Ind.*—1259, 1383, 1386, 1440. *Pak.*—1493. *Other Pts. of Cwth.*—1529. *See also* Theology
Comparative, 414, 439, 455, 755, 782, 1300, 1390
Philosophy and History of: *U.K.*—95, 198, 215, 242, 414, 455,

Religion (*contd.*)—
526, 539, 665. *Can.*—751, 782, 951, 954. *N.Z.*—1092. *S.A.*—1170
Psychology of, 215, 751
Roman, 441
Zoroastrian, 456
Religions, Eastern, 454
Religious Education, 235, 793, 801, 951
Religious Knowledge. *See* Religion
Certif., '17, '22I, 566
Dipl., 221, 1779
Remedial Education Centre, Birm., 44
Research Awards, 1651-1764
Facilities. *See General Information for each Univ.*
Research Council for Alberta, 699, 704
Residences, Student. *See separate Univs.*
Resurrection, Coll. of the, Mirfield, 178
Rhetoric, 598, 621
Rheumatism, 173, 407, 508, 604
Rhodesia and Nyasaland, Univ. Coll. of, 1540
Rhodes Scholps., 482
Rhodes Univ., 1177
Richmond Coll., Surrey (Lond. Univ.), 323
Ripon Training Coll., Yorks., 179
Robert Gordon's Technical Coll., Aberdeen, 589
Rolle Coll., Devon, 566
Romance Langs., 426, 450, 519, 684, 780, 799, 848, 1195, 1792, 1797 *See also separate Langs.*
Roman Frontier Studies, 127
Roorkee Univ., 1417
Roseworthy Agric. Coll., S. Aust., 987
Ross Inst. of Trop. Hyg., Lond., 385
Rothamsted Experimental Station, Herts, 390
Roumanian, 221, 240
Rowett Inst. of Res. in Animal Nutrition, nr. Aberdeen, 590
Royal Academy of Music, Lond., 390
Royal Coll. of Dental Surgeons of Ont., Tor., 942
Royal Coll. of Music, Lond., 390
Royal Coll. of Science, Lond., 254, 259
Royal Dental Hosp. of Lond., Sch. of Dent. Surg., 342
Royal (Dick) Veterinary Coll., Edin., 609, 611
Royal Free Hosp. Sch. of Med., Lond., 345
Royal Holloway Coll., Surrey (Lond. Univ.), 284
Royal Military Coll. of Canada, 881
Royal Roads, Victoria, B.C., 883
Royal Sch. of Mines, Lond., 254, 259
Royal Technical Coll., Glas., 637
Royal Univ of Malta, 1519
Royal Veterinary Coll. and Hosp., Lond., 287
Royal Victoria Coll., Montreal, 775
Rumanian, 221, 240
Rural Development, 1325
Rural Welfare, 1254, 1442
Ruskin Coll., Oxford, 487
Ruskin Sch. of Drawing and of Fine Art, Oxford, 487
Russian Studies: *U.K.*—31, 37, 89, 166, 192, 213, 221, 240, 403, 450, 518, 600, 623, 624. *Can.*—693, 723, 739, 745, 873, 926, 959. *Aust.*—1005, 1036, 1077. *Ind.*—1241, 1311, 1338. *Pak.*—1481. *R. of Ireland*—1774

S. A. Courtauld Inst. of Biochem., Lond., 340
Sacred Heart, Convent of the, Halifax, N.S., 751
Sacred Heart, Convent of the, Lond., 233
Sacred Heart Scholasticate, Saskatchewan, 866
St. Aidan's Coll., Birkenhead, 199
St. Aidan's Society, Durham, 132
St. Andrew's Coll., Sask., 907
St. Andrew's Coll., Sydney, 1053
St. Andrews Univ., 643
St. Anne's Coll., Oxford, 474
St. Ann's Coll., N. Adel., 987
St. Antony's Coll., Oxford, 471
St. Bartholomew's Hosp. Med. Coll., Lond., 349
St. Benet's Hall, Oxford, 471
St. Boniface Coll., Manit., 815
St. Catharine's Coll., Camb., 104
St. Catherine's Society, Oxford, 471
St. Chad's Coll., Durham, 131
St. Cuthbert's Society, Durham, 131
St. David's Coll., Lampeter, 579

St. Dunstan's Coll., 886
Ste. Anne Coll., N.S., 676
St. Edmund Hall, Oxford, 470
St. Francis Xavier Univ., 793, 854, 889
St. Gabriel's Coll., Lond., 234
St. George's Coll., W. Aust., 1071
St. George's Hosp. Med. Sch., Lond., 352
St. Gregory and St. Martin at Wye, Coll. of, Kent, 318
St. Hilda's Coll., Oxford, 473
St. Hilda's Coll., Toronto, 951
St. Hild's Coll., Durham, 125, 132
St. Hugh's Coll., Oxford, 473
St. Jerome's Coll., Ont., 866
St. John's Coll., Brisbane, 1036
St. John's Coll., Camb., 104
St. John's Coll., Durham, 131
St John's Coll., Edmonton, Alta., 866
St John's Coll., Oxford, 467
St. John's Coll., Sydney, 1053
St. John's Coll., Winnipeg, 815
St. John's Coll., York, 178, 179
St. John's Hall. *See* London Coll. of Divinity
St. Joseph's Catholic Coll., Edmonton, Alta, 700
St Joseph's Univ., 894
S. Katharine's Coll., Lond, 234
St Leonard's Coll., St Andrews, 652
St. Leo's Coll., Brisbane, 1036
St. Luke's Coll., Exeter, 566
S. Mark and S. John, Coll. of, Lond., 234
St. Mark's Coll., N. Adel, 987
St. Martha's Hosp., School of Nursing, N.S., 890
St. Mary's Coll., Durham, 125, 132
St. Mary's Coll., Middx., 234
St. Mary's Coll., Newcastle, 125
St. Mary's Coll., St. Andrews, 643, 652
St Mary's Hosp. Med. Sch., Lond., 355
St. Mary's Training Coll., Cheltenham, 74
St. Mary's Univ., 750, 854, 890
St. Michael's Coll., Toronto, 938
St. Patrick Coll., Ottawa Univ., 862
St. Patrick's Coll., Maynooth, 1782
St. Paul's Coll., Sydney, 1053
St. Paul's Coll., Winnipeg, 815
St. Paul's Training Coll., Cheltenham, 74
St Paul's Training Coll., m. Rugby, 51
St. Peter's Hall, Oxford, 470
St Peter's Seminary Coll. of Arts, Ont., 961
St. Salvator's Coll, St. Andrews, 643, 652
St Stephen's Coll., Edmonton, Alta., 700
St Thomas Coll, Sask., 867
St. Thomas More Coll., Sask., 907
St Thomas More Coll., W. Aust., 1071
St. Thomas Seminary, N.B., 897
St Thomas's Hosp. Medical Sch., Lond., 358
Saltley Training Coll., Birm., 51
Santa Sophia Coll., Sydney, 1053
Sanskrit: *U.K.* 95, 213, 290, 454, 601. *Ind.* —*See separate Univs. Cev.* -1453. *Pak.*—1465, 1485 *R. of Ireland*— 1776
Saskatchewan Univ., 902
Sastri Coll., Natal, 1149
Saugar Univ., 1421
Scandinavian Studies, 89, 139, 213, 308, 403, 598. *See also separate Langs*
Scholarships. *See separate Univs. and national Introductions, also*—
Postgrad. and Research, 1651-1764
Science, Criminal. *See* Criminology
History and Philosophy of, 85, 86, 164, 242, 308, 448, 583, 1002
Royal Coll. of, Lond, 259
Science and Technology, Imperial Coll. of, Lond., 254
Scientific Experiment, Des. and Anal. of, 450
Scottish Language, 582, 648
Scottish Literature, 624
Scottish Univs. Entrance Bd., 1566, 1618
Scott Polar Res. Inst., Camb., 116
Sculpture: *U.K.* -139, 163, 300, 493, 589. *Can.* -732. *Aust.*—1042. *N.Z.*—1107. *Ind.*- -1256, 1261, 1265, 1271, 1440
Seaford Training Coll., Sussex, 234
Seale-Hayne Agric. Coll., Devon, 562
Secretarial Science, 684, 716, 891, 959, 1110, 1153, 1319, 1322, 1323, 1432

Sedgley Park Coll., Lancs., 418
Seismology, 133
Selwyn Coll., Camb., 105
Seminary, The, Ottawa, 807
Semitic Studies *U.K.*- 95, 120, 166, 190, 292, 389, 393, 403, 414, 526 530, 546, 583, 590, 621 *Can.* 874. *Aust.* 1005, 1045, *S.A.* 1157, 1188. *See also separate Languages*
Serampore Coll., nr Calc., 1214, 1297
Serbo-Croat, 213, 221
Sexology, Human, 408
Shakespeare Inst., Stratford-on-Avon, 33, 51
Sheffield, City of, Coll. of Arts and Crafts, 513
Sheffield, City of, Training Coll., 513
Sheffield Univ., 260, 501
Shenstone Training Coll., Worcs., 51
Sheridan Med. Res. Foundation, Adel., 988
Shipbuilding. *See* Engineering, Marine, and Architecture, Naval
Shoreditch Training Coll., Surrey, 234
Shreemati N. D. Thackersey Indian Women's Univ., Bom., 1213
Shropshire Coll. of Dom. Sci. and Dairywork, Shrewsbury, 51
Sidney Sussex Coll., Camb., 106
Silviculture, 718
Sind Univ., 1493
Sindhi, 1311, 1493
Sindhology, 1495
Singapore, Malaya Univ., 1511
Sinhalese, 214, 290, 1453
Sino-Indian Studies, 1440
Sinology. *See* Chinese Studies
Sir George Williams Coll., 911
Sir John Cass Coll., Lond., 390
Sister Tutor's Course, 156, 221, 278, 613, 1173 *See also* Nursing
Slade Sch. of Fine Art, Lond., 300
Slavonic and E. European Studies, Sch. of, Lond., 240
Slavonic Studies: *U.K.* -89, 213, 240, 428, 481, 624. *Can.* 708, 723, 810, 827, 865, 905, 926. *See also separate Langs.*
Slovak. *See* Czech
Slovene. *See* Serbo-Croat
Soap Technology, 1261, 1280, 1299
Social and Economic Res., Inst. of, Jamaica, 1544
Social and Economic Res., W. African Inst. of, 1530
Social Leadership, 891, 892
Social Organisation, Rural, 451
Social Res., E. African Inst. of, 1536
Social Sciences, International Inst. of, 1804
Social Sciences, Research School of, Canberra, 993
Social Work, Maritime Sch. of, Halifax, N.S., 682, 685
Sociology -
  African, 450
  Christian, 609
  Educational, 1167
  Indian, 450
  Industrial, 202
Soil Conservation. *See* Soil Science
Soil Research, Macaulay Inst. for, Aberd., 590
Soil Science: *U.K.* 90, 91, 393, 451, 585, 590, 659. *Can.* 694, 699, 714, 799, 811, 834, 906, 941 *Aust.* 986, 989. *N.Z.* 1115, 1119. *S.A.* 1146, 1165. *Ind.* 1323, 1418, 1419. *Pak.* 1472. *Other Pts. of Cwlth* 1529, 1548, 1549 *R. of Ireland* 1787
Somerville Coll., Oxford, 172
South Africa, Univ. of, 1183
South African Inst. for Med. Res., 1205
South African Native Coll., Fort Hare. *See* Fort Hare Univ. Coll.
South African Univs., General Information, 1125-1129
South African Univs. Bureau, 1129
Southampton Univ., 517
South Australian Sch. of Mines and Industries, Adel., 987
South-East Asian Studies, 291
Southern Coll. of Art, 523
Southlands Coll., Lond., 234
South Wales and Mon., Univ. Coll. of, Cardiff, 543
South West of England, Univ. Coll. of, Exeter, 562
Soviet Studies. *See* Russian Studies
Spanish Studies: *U.K.* 37, 89, 141, 167, 190, 213, 221, 251, 266, 281, 316, 403, 428, 450, 505,

Spanish Studies (*contd.*)—
519, 546, 585, 624, 648, 661. *Can.*—724, 739, 745, 760, 772, 780, 799, 822, 826, 834, 841, 862, 874, 913, 922, 958. *Aust.*—1036. *Pak.*—1481. *Other Pts. of Cwth.*—1545. *R. of Ireland*—1774, 1786, 1792. *See also* Romance Langs., Hispanic Studies
Spectroscopy, 1259
Speech Training. *See* Elocution
Spinning, 414, 1340. *See also* Textiles
Spoken Language. *See* Elocution
Stafford County Training Coll., 51
State Teachers' Coll., Claremont, W.A., 1072
Statistics: *U.K.*—37, 66, 83, 89, 140, 165, 191, 214, 217, 234, 246, 273, 308, 386, 389, 393, 450, 497, 504, 530, 585, 599, 611, 624, 646, 658. *Can.*—720, 806, 834, 896. *Aust.*—983, 989, 994, 1005, 1041, 1046. *S.A.*—1153, 1167, 1195. *Ind.*—1246, 1261, 1267, 1275, 1281, 1282, 1292, 1317, 1322, 1323, 1331, 1333, 1338, 1343, 1344, 1349, 1351, 1402, 1408, 1428. *Pak.*—1468, 1481. *Other Pts. of Cwth.*—1519. *R. of Ireland*—1772, 1792
Biological, 309
Economic, 188, 397, 451, 518, 544, 993, 1043, 1312
Industrial, 506
Inst. of, Oxford, 451, 486
Mathematical, 113, 140, 191, 400, 401, 553, 1044, 1786
Medical, 39, 66, 384, 410, 605, 663
of Students from other countries: *U.K.*—1765-1767. *See also sep. Univs.*
Social, 192, 246, 451
Vital, 39, 1055
Stellenbosch-Elsenburg Coll. of Agric., 1190
Stellenbosch Univ., 1185
Stockwell Coll., Kent, 234
Stomatology, 1094
Student Health. *See* Health, Student
Student Residences. *See sep. Univs.*
Students, Admission of. *See* Admission
External. *See* External Students
Full Time—
Number of, in U.K., 8-9
Overseas, Statistics of. *See under* Statistics
Sugar Milling Res. Inst., Natal, 1146
Sugar Technology, 1031, 1146, 1548, 1549, 1553
Summer Schools and Sessions. *See* Vacation Courses
Sunderland Tech. Coll., 122
Sunderland Training Coll., 125
Surgery—
Chest, 378
Experimental Methods of, 147, 780, 830, 836
Genito-Urinary, 328, 352
Maxillo-facial, 195, 506, 1197
Neuro-: *U.K.*—40, 146, 174, 336, 340, 353, 379, 411, 510, 588, 604, 629. *Can.*—698, 750, 786. *N.Z.*—1094
Pædiatric, 605
Plastic: *U.K.*—43, 67, 93, 147, 173, 336, 340, 353, 359, 605, 607, 629. *Can.*—876. *S.A.*—1136
of Rheumatism, 173
Thoracic: *U.K.*—67, 93, 147, 173, 197, 328, 336, 340, 359, 588, 605, 629. *S.A.*—1204
Urological, 67, 411, 605, 814, 1775
Surveying: *U.K.*—139, 141, 302, 404, 451, 493, 589, 611, 632. *Can.*—765, 900, 908, 927. *Aust.*—1008, 1032, 1034, 1048, 1069. *N.Z.*—1091. *S.A.*—1145, 1181, 1193, 1198. *Ind.*—1323, 1417, 1432. *Pak.*—1472. *Other Pts. of Cwth.*—1553
Archæological, 228
Geodetic. *See* Geodesy
Land, 1096, 1134, 1164, 1206
Mine, 36, 175, 1096
Quantity, 411, 1138, 1142, 1162, 1193, 1322
for Town Planning. *See* Town and Country Planning
Swahili, 293, 455
Swansea Univ. Coll., 551
Swedish, 89, 139, 154, 213, 221, 308, 585. *See also* Scandinavian Studies

Sydney, Teachers' Coll., 1055
Sydney Tech. Coll., 1029
Sydney Univ., 1041
Syriac, 61, 454, 1298

Tai, 291
Tamil: *U.K.*—213, 291. *Ind.*—1254, 1350, 1351, 1352, 1363, 1388, 1428, 1429. *Cey.*—1453
Tanning. *See* Leather
Tasmania Univ., 1062
Taxonomy, 29, 80, 309
  Animal, 450
Teachers' Trg. Colls. *See sep. Univs. and* Educn., Insts. of
Technical Colls.: *U.K.*—122, 178, 389-390, 547, 589, 609, 637. *Can.*—834, 853. *Aust.*—1024, 1028, 1064, 1072. *Ind.*—1237, 1285
Technology—
  Imperial Coll. of Sci. and, Lond., 254
  Leeds Coll. of, 178
  Manchester Coll. of, 411, 416
  Municipal Coll. of, Belf., 662, 664, 666
  New South Wales Univ. of, 1024
  West Ham Coll. of, Lond., 390
Telecommunications, 175, 518, 1048, 1261, 1322, 1354, 1406, 1419, 1446
Telugu, 291, 1246, 1350, 1351, 1363, 1383, 1386, 1387, 1388, 1389, 1434, 1436
Terms. *See* Academic Year
Textiles: *U.K.*—175, 176, 180, 413, 640, 665. *Can.*—811, 913. *Ind.*—1284, 1285, 1349, 1366, 1397, 1428, 1429. *See also* Chemistry, Design, Engineering, Physics, Spinning, Weaving
Theatre Art. *See* Drama
Theological Colls.: *U.K.*—71, 167, 322, 416, 433, 526, 609, 652, 666. *Can.*—700, 730, 751, 793, 815, 841, 876, 907, 908, 938, 950, 954, 961. *Aust.*—1014. *S.A.*—1153, 1158
Theology: *U.K.*—*See separate Univs. Can.*—684, 700, 708, 711, 751, 755, 770, 782, 801, 833, 841, 865, 876, 907, 908, 951, 954, 961. *Aust.*—1014, 1038, 1047. *N.Z.*—1092. *S.A.*—1143, 1157, 1170, 1178, 1188. *Ind.*—1237, 1259, 1297. *Pak.*—1488. *Other Pts. of Cwth.*—1520, 1525. *R. of Ireland*—1776, 1783. *See also* Religion
Therapeutics. *See* Therapy
Therapy: *U.K.*—42, 170, 196, 215, 359, 409, 509, 605, 650, 663. *Can.*—699, 769, 785, 788, 875, 932, 934. *Aust.*—1011, 1050. *N.Z.*—1093. *S.A.*—1202. *Cey.*—1455. *Other Pts. of Cwth.*—1520. *R. of Ireland*—1788, 1793, 1797
  Electro-, 651, 767
  Occupational, 790, 932, 1202
  Radiation, 409
  See also Physiotherapy, Radiotherapy
Thermodynamics, 32, 90, 449, 834, 1032
Thomason Coll., Roorkee, 1417
Thoracic Disease, 359
Thornbridge Hall Training Coll., Sheff., 513
Tibetan Studies, 95, 292, 1440
Toronto Univ., 916
  Federated Institutions—
    Emmanuel Coll., 938, 943, 955
    Knox Coll., 938, 943
    St. Michael's Coll., 938, 943
    Trinity Coll., Univ. of, 943, 951
    Victoria Univ., 943, 954
    Wycliffe Coll., 938, 943
Totley Hall Coll. of Housecraft, Sheff., 513
Town and Country Planning: *U.K.*—123, 140, 188, 214, 309, 403, 641, 651, 732. *Aust.*—1014, 1042. *S.A.*—1206. *Ind.*—1293, 1322. *See also* Community and Regional Planning
Toxicology, 39, 556, 747, 830, 1520
Trade Union Studies, 273, 487
Translation, Inst. of, Montreal, 836
Transport, 273, 766, 1284, 1322
Transvaal Univ. Coll., 1171
Travancore Univ., 1427
Trent Park Training Coll., Herts., 234
Trinity Coll., Camb., 106
Trinity Coll., Dublin, 1770

Trinity Coll., Melb., 1012
Trinity Coll., Oxford, 468
Trinity Coll., Univ. of, Tor., 951
Trinity Coll. of Music, Lond., 390
Trinity Hall, Camb., 108
Tropical Agric., Imperial Coll. of, B.W.I., 1548
Tropical Diseases, Bureau of Hygiene and, Lond., 386
Tropical Hygiene. *See under* Hygiene
Tropical Hygiene, Ross Inst. of, Lond., 384
Tropical Medicine. *See under* Medicine
Tropical Medicine, Liverpool School of, 199
Tropical Medicine, London School of Hygiene and, 384
Tropical Medicine, School of Public Health and, Sydney, 1055
Turkish, 129, 213, 292, 454, 601
Tutorial Classes. *See* Extra-Mural Studies
Tyndale Hall Theol. Coll., Brist., 71
Typography, 493

UNESCO, 1806
Union Coll., Brisbane, 1037
Union Coll. of British Columbia, 730
Unitarian Coll., Manc., 416
United Coll. of St. Salvator and St. Leonard, St. And., 643, 652
United Coll., Winnipeg, 815
United Kingdom Univs., General Information, 3-27
United States Educational Commission in U.K., 1801
United Theological Coll., Aberystwyth and Bala, 526
United Theological Coll., Montreal, 794
Universities of British Commonwealth, Assocn. of, xi, 27
  Articles of Assocn., xviii
  Executive Council, xx, xxxiii
  Member Instns., xxix
  Memorandum of Assocn., xv
  Officers, xxxiii
Universities, U.K., Conferences of, 27
Universities' Bureau, S.A., 1129
Universities Commission, Australian, 979
Universities Council for Adult Education, 25
University Coll., Dundee, 652
University Coll., Durham, 130
University Coll., Hamilton, Ont., 799
University Coll., Lond., 299
University Coll., Oxford, 468
University Coll., Tor., 938
University Coll. Hosp. Dental Sch., Lond., 364
University Coll. Hosp. Med. Sch., Lond., 362
University Entries, Notes on, xxxiv
University Extension. *See* Extra-Mural Studies
University Grants Advisory Committee, Colonial, 1502
University Grants Commission, India, 1214
University Grants Committee, Gt. Britain, 6-8
University Grants Committee, N.Z., 1087, 1088
University Presses: *U.K.*—96, 118, 204, 222, 415, 421, 490, 528, 593, 615. *Can.*—704, 770, 819, 868, 916. *Aust.*—1011, 1016, 1039, 1074. *N.Z.*—1088. *Ind.*—1231, 1258, 1272, 1288, 1300, 1400, 1405, 1425, 1438, 1443. *Pak.*—1473. *Other Pts. of Cwth.*—1509, 1517. *R. of Ireland*—1780, 1794, 1795
University Women's Coll., Melb., 1012
Urchfont Manor Residential Coll., Wilts., 74
Urdu: *U.K.*—214, 291, 601. *Ind.*, *Pak.*—*See separate Univs.*
Urology: *U.K.*—67, 173, 383. *Can.*—698, 750, 770, 789, 814, 832, 864, 876. *S.A.*—1136, 1204
  Inst. of, Lond., 383
Ursuline Coll., Ont., 961
Utkal Univ., 1434

Vacation Courses: *U.K.*—25, 50, 74, 117, 180, 203, 220, 221, 316, 482, 488, 566, 592, 614. *Can.*—686, 702, 704, 709, 712. 732, 772, 795, 804, 818, 823, 837, 842, 849, 868, 879, 885, 891, 895, 900, 909, 915, 939, 948, 963. *Aust.*—1014, 1058, 1073. *N.Z.*—1097. *S.A.*—1139, 1159 1174. *Ind.*—1409. *Other Pts. of Cwth.*—1508, 1532, 1559. *R. of Ireland*—1780

Valuation, 1109
Vaughan Coll., Leicester, 571
Vegetable Culture, 818, 1190
Veld Management, 1171
Venereal Diseases: *U.K.*—40, 68, 147, 170, 328, 332, 336, 346, 350, 356, 359, 363, 383, 411, 510, 558, 588, 605, 630, 651. *Can.*—830. *N.Z.*—1094. *S.A.*—1136, 1169, 1204. *Ind.*—1271, 1287, 1343, 1358. *Cey.*—1456. *Other Pts. of Cwth.*—1515, 1521, 1544
Veterinary Colls.: *U.K.*—287, 608. *Can.*—835, 941. *Ind.*—1227, 1277, 1284, 1356, 1385, 1397, 1423. *Pak.*—1482. *R. of Ireland*—1776
Veterinary Res. Inst., Melb., 1013
Veterinary Res. Inst., Pret., 1172
Veterinary Science: *U.K.*—66, 68, 95, 113, 168, 192, 211, 213, 214, 216, 287, 429, 495, 541, 586, 588, 595, 608, 611, 630, 662. *Can.*—694, 818, 835, 852, 906, 908, 941. *Aust.*—993, 1011, 1034, 1046, 1065. *N.Z.*—1115, 1119. *S.A.*—1153, 1166, 1170, 1181, 1189. *Ind.*—1227, 1277, 1284, 1299, 1323, 1332, 1356. 1385. 1423. *Cey.*—1453. *Pak.*—1472, 1485. *Other Pts. of Cwth.*—1536, 1548, 1553, 1557. *R. of Ireland*—1777, 1783, 1788. *See also* Husbandry, Animal
Vice-Chancellors and Principals, Committee of, U.K, 26
Vice-Chancellors' Committee, Australian, 978
Vice-Chancellors' Committee, South Africa, 1129
Vice-Chancellors, Standing Cttee. of, Pakistan, 1463
Victoria Coll., Br. Col., 730
Victoria Coll. of Stellenbosch, 1189
Victoria Coll., Toronto, 954
Victoria Univ., 178, 200, 416
Victoria Univ. of Manchester, 394
Victoria Univ., Toronto, 954
Victoria Univ. Coll., N.Z., 1110
Vietnamese, 291
Virus Infections, 934
Visva-Bharati, 1439
Viticulture, 1189 *See also* Fruit Culture, Pomology
Vocational Guidance, 803, 937

Wadham Coll., Oxford, 469
Waite Agric. Res. Inst., Adel., 986
Wales, Univ. Coll. of, Aberystwyth, 530
Wales, Univ. of, 525
Aberystwyth Univ. Coll., 530
Bangor Univ. Coll., 537
Cardiff Univ. Coll., 543
Swansea Univ. Coll., 550
Welsh National Sch. of Med., 555
Walter and Eliza Hall Res. Inst., Melb., 1013
Warburg Inst., Lond., 242
Waterloo Coll., Ont., 961
Wattle Research Inst., Natal, 1147
Weaving, 176, 189, 236, 414, 732, 1349. *See also* Textiles
Wedgwood Memorial Coll., Staffs., 456, 488
Wellington Univ. Coll. *See* Victoria Univ. Coll.
Welsh, 188, 532, 539, 546, 552, 579, 1783, 1787
Welsh National Sch. of Med., 555
Welsh Plant Breeding Station, 533
Welsh Sch. of Architecture, Cardiff, 547
Welsh Sch. of Pharmacy, Cardiff, 547
Wentworth Castle Training Coll., Barnsley, 513
Wentworth Coll., Natal, 1149
Wesley Coll., Sydney, 1053
West African Inst. of Social and Econ. Res., 1530
West African Langs., 292
Western Australia, Univ. of, 1068
Western Australian Coll of Dental Science, Perth, 1072
Western Coll., Bristol, 71
Western Ontario, Univ. of, 957
Western Ontario Conservatory of Music, 961
Western Province Fruit Res. Station, S.A., 1190
Westfield Coll., Lond., 315
West Ham Coll. of Technol., Lond., 390
Westham House, Warwicks., 50
Westhill Training Coll., Birm., 51

West Indies, Univ. Coll. of, 1542
West of England Coll. of Art, Brist., 74
West of Scotland Agric. Coll., Glas., 631
Westminster Coll., Lond., 234
Westminster Med. Sch., Lond., 366
Weymouth Training Coll., Dorset, 523
Whitelands Coll., Lond., 234
Witwatersrand Univ., 1193
Women's Univ., Bom., 1213
Wool, 176, 1027, 1115, 1119, 1166, 1179. *See also* Textiles
Textile Research Inst., Grahamstown, 1179
Woolley Hall, 180
Woolwich Polytechnic, Lond., 390
Worcester Coll., Oxford, 469
Worcester Training Coll., 51
Workers' Educational Assocn., 25, 977
Works Management, 641
World Univ. Service, 1805
Wycliffe Coll., Tor., 938
Wye Coll., Kent (Lond. Univ.), 318
Wynward Hall Training Coll., 125

Xavier Junior Coll., N.S., 890

Yarn Manufacture, 176
Y.M.C.A. College, Kingsgate, Kent, 488
Yorkshire Coll. of Science, Leeds, 178
Yorkshire Trg. Coll. of Housecraft, 179
Youth Service, 48, 433, 553, 801
Yugoslav, 241

Zootechnology, 1171

PRINTED IN GREAT BRITAIN
BY R & R. CLARK, LTD. EDINBURGH