UNIVERSAL
LIBRARY
OU_172970
UNIVERSAL
LIBRARY

THE YEARBOOK OF THE UNIVERSITIES OF THE COMMONWEALTH

1951

Attention is drawn to the following publications of the Association :

Conference of the Home Universities 1946—*Report of Proceedings.* 1s.

Conference of the Home Universities 1947—*Report of Proceedings.* 1s.

Conference of the Home Universities 1948—*Report of Proceedings.* 1s.

Conference of the Home Universities 1949—*Report of Proceedings.* 1s.

Report of the Commission on University Halls of Residence (Clarendon Press, Oxford). 6s. (Out of print.)

Sixth Congress of Universities of the Commonwealth 1948—*Report of Proceedings* (Forthcoming).

In conjunction with the British Council :

Higher Education in the United Kingdom. A Handbook for Students from Overseas.

THE YEARBOOK OF THE UNIVERSITIES OF THE COMMONWEALTH

1951

FIRST PUBLISHED 1914
TWENTY-EIGHTH ISSUE

PUBLISHED FOR
THE ASSOCIATION OF UNIVERSITIES
OF THE BRITISH COMMONWEALTH
BY
G. BELL AND SONS, LTD
LONDON 1951

PREFACE

THE *Yearbook* was first published in 1914. Before its appearance the official publications of the individual Universities were the only authentic sources of information regarding the personnel, organization, regulations and recent activities of Universities. The increase in the number of Universities and University Colleges, the multiplication of contacts facilitated by the ease of modern travel, and the development of inter-Commonwealth relations have made a single, comprehensive reference book of growing value, not only to Universities and Colleges but also to Government departments, business houses, clubs, schools, libraries and the public generally.

In this book will be found entries for all Commonwealth University institutions of good standing and not merely for member institutions of the Association of Universities of the British Commonwealth. (*See* pages xxviii-xxx.) The *Yearbook* consists of staff directories (comprising in the aggregate approximately 25,000 names), general information, and reports of events of outstanding interest which occurred in the academic year previous to the compilation of material. In addition there are introductory chapters relating to the history, regulations and practice of the Universities in the different countries, and appendices dealing *inter alia* with such subjects as admission to a first degree course in United Kingdom Universities, certain postgraduate awards, statistics relating to overseas students in United Kingdom Universities, and the Inter-University Council for Higher Education in the Colonies. There has been a certain readjustment of the order of the Appendices in this edition and Appendix I has been revised to state the effect, as it appears at present, of the new examinations for the General Certificate of Education on United Kingdom University matriculation requirements. An index of names and a general subject index are provided.

Among a number of recent events of academic importance noted in this edition of the *Yearbook* are the following: the inauguration of the University College of North Staffordshire and of the New South Wales University of Technology; Memorial University College, St. John's, has become the Memorial University of Newfoundland, and the University College of the Orange Free State has become the University of the Orange Free State. Also included for the first time are entries for the following Canadian University institutions: Mount Saint Vincent College, Saint Dunstan's College, Saint Joseph's University, and Sir George

Williams College; and for the new Indian Universities of Jammu and Kashmir, and Poona. A full entry now appears for the University of Malaya, which was inaugurated in October 1949.

Subsequent to the constitutional developments of 1949 in connexion with Ireland, entries for the Universities of Eire have been placed in an Appendix.

The staff directory lists not only the degrees held by the teachers, but the University by which they were granted, except where the degrees are those awarded by the University upon whose staff the teacher is serving. These degrees are indicated by being placed last. Titles other than degrees are generally omitted with the exception of a number listed hereafter (page x).

Following the appearance of the first post-war editions of the *Yearbook* in 1947 and 1948, difficulties in the preparation and printing of the collected material made it impossible to bring out the next volume, which referred to 1949–50, until March 1950. The opportunity was then taken of returning to the pre-war practice of publication early in the year, and arrangements have been made for annual publication to take place in the first quarter of the year.

The Executive Council of the Association desire to acknowledge the assistance given by Universities and University Colleges as well as other Institutions and Government departments in the preparation of the *Yearbook*, but cannot accept responsibility for omissions or inaccuracies in the information supplied.

The Association of Universities of the British Commonwealth
5 Gordon Square, London, W.C.1
November 1950

Editor of the *Yearbook*—
J. F. FOSTER, M.A., LL.D.
Secretary of the Association

Assistant Editor—
T. CRAIG, M.A.

CONTENTS

PAGE

ABBREVIATIONS OF TITLES x

THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH xiii

MEMORANDUM AND ARTICLES OF ASSOCIATION . . . xiv

MEMBERS AND THEIR REPRESENTATIVES . . . xxviii

THE EXECUTIVE COUNCIL xxxi

UNITED KINGDOM—

INTRODUCTORY CHAPTER 1

ENGLAND AND WALES—BIRMINGHAM; BRISTOL; CAMBRIDGE; DURHAM (including Durham Colls. and King's Coll., Newcastle); LEEDS; LIVERPOOL; LONDON (including Univ. Depts., Non-Medical Schools, Undergraduate Medical and Dental Schools, Postgraduate Medical Schools, Institutions with Recognized Teachers); MANCHESTER; NOTTINGHAM; OXFORD; READING; SHEFFIELD; WALES (including Univ. Colls. at Aberystwyth, Bangor, Cardiff, Swansea, and the Welsh National School of Medicine, Cardiff) 22

UNIVERSITY COLLEGES — EXETER, HULL, LEICESTER, NORTH STAFFORDSHIRE, SOUTHAMPTON, LAMPETER . . . 440

SCOTLAND—

INTRODUCTORY CHAPTER 464

ABERDEEN; EDINBURGH; GLASGOW (including Royal Technical Coll.); ST. ANDREWS (including Univ. Coll., Dundee) . . 469

N. IRELAND—BELFAST, The Queen's University of . . 531

CANADA—

INTRODUCTORY CHAPTER 543

ACADIA, Wolfville, N.S.; ALBERTA, Edmonton; BISHOP'S COLLEGE, Lennoxville, Quebec; BRITISH COLUMBIA, Vancouver; DALHOUSIE, Halifax, N.S.; KING'S COLLEGE, Halifax, N.S.; LAVAL, Quebec; McGILL, Montreal; McMASTER, Hamilton, Ont.; MANITOBA, Winnipeg; MEMORIAL UNIV. OF NEWFOUNDLAND, St. John's; MONTREAL; MOUNT ALLISON, Sackville, N.B.; MOUNT

PAGE

SAINT VINCENT COLLEGE, Halifax, N.S.; NEW BRUNSWICK, Fredericton; OTTAWA; QUEEN'S, Kingston, Ont.; SAINT DUNSTAN'S COLLEGE, Charlottetown; ST. FRANCIS XAVIER, Antigonish, N.S.; SAINT JOSEPH'S, N.B.; SASKATCHEWAN, Saskatoon; SIR GEORGE WILLIAMS COLLEGE, Montreal; TORONTO (including Univ. of Trinity Coll. and Victoria Univ.); WESTERN ONTARIO, London . 546

AUSTRALIA—

INTRODUCTORY CHAPTER 742

ADELAIDE; AUSTRALIAN NATIONAL UNIVERSITY, Canberra; MELBOURNE; N S W. UNIVERSITY OF TECHNOLOGY, Sydney; QUEENSLAND, Brisbane; SYDNEY; NEW ENGLAND UNIV. COLL., Armidale; TASMANIA, Hobart; WESTERN AUSTRALIA, Perth; CANBERRA UNIV. COLL. 756

NEW ZEALAND—UNIVERSITY OF NEW ZEALAND (including Univ. of Otago, Canterbury Univ. Coll., Auckland Univ. Coll., Victoria Univ. Coll., Canterbury Agricultural Coll., Massey Agricultural Coll.) . 825

SOUTH AFRICA—

INTRODUCTORY CHAPTER 853

CAPE TOWN; NATAL, Durban and Pietermaritzburg; ORANGE FREE STATE; PRETORIA; SOUTH AFRICA (including Potchefstroom and Rhodes Univ. Colls.); STELLENBOSCH; WITWATERSRAND, Johannesburg 860

INDIA—

INTRODUCTORY CHAPTER 919

AGRA; ALIGARH MUSLIM UNIV.; ALLAHABAD; ANDHRA; ANNAMALAI; BANARAS HINDU UNIV.; BOMBAY; CALCUTTA; DELHI; EAST PANJAB, Solan; GAUHATI; JAMMU AND KASHMIR, Srinagar; LUCKNOW; MADRAS; MYSORE; NAGPUR; OSMANIA, Hyderabad; PATNA; POONA; RAJPUTANA, Jaipur; SAUGAR; TRAVANCORE; UTKAL, Orissa; INDIAN INSTITUTE OF SCIENCE, BANGALORE 928

CEYLON—UNIVERSITY OF CEYLON 1054

PAKISTAN—

INTRODUCTORY CHAPTER 1061

DACCA; PANJAB, Lahore; SIND, Karachi 1063

COLONIES

HONG KONG—UNIVERSITY OF HONG KONG 1078

MALAYA—UNIVERSITY OF MALAYA, Singapore 1082

PAGE
MALTA—ROYAL UNIVERSITY OF MALTA 1086

GOLD COAST—UNIV. COLL. OF THE GOLD COAST . . . 1090

NIGERIA—UNIV. COLL., IBADAN 1093

UGANDA—MAKERERE COLL. 1097

WEST INDIES—UNIV. COLL. OF THE WEST INDIES, Jamaica; IMPERIAL COLL. OF TROPICAL AGRICULTURE, Trinidad 1099

MAURITIUS—COLL. OF AGRICULTURE 1106

CONDOMINIUM

ANGLO-EGYPTIAN SUDAN—GORDON MEMORIAL COLL., Khartoum . 1107

APPENDICES

I. QUALIFICATIONS FOR ADMISSION TO A FIRST DEGREE COURSE IN THE UNIVERSITIES OF THE UNITED KINGDOM 1111

II. POSTGRADUATE AWARDS (FELLOWSHIPS, SCHOLARSHIPS, GRANTS, ETC.) TENABLE IN THE U.K. . 1157

III. POSTGRADUATE AWARDS (FELLOWSHIPS, SCHOLARSHIPS, GRANTS, ETC.) TENABLE OVERSEAS . . 1224

IV. STUDENTS FROM OTHER COUNTRIES IN UNITED KINGDOM UNIVERSITIES AND UNIVERSITY COLLEGES 1229

V. INTER-UNIVERSITY COUNCIL FOR HIGHER EDUCATION IN THE COLONIES 1231

VI. UNIVERSITIES OF EIRE 1233

VII. UNIVERSITIES OF THE UNITED STATES OF AMERICA 1256

VIII. ANGLO-AMERICAN RELATIONS—PROFESSORSHIPS . 1259

INDEX OF NAMES 1261

GENERAL INDEX 1387

QUALIFICATIONS OTHER THAN UNIVERSITY DEGREES REFERRED TO IN THE *YEARBOOK* BY LETTERS AFTER NAMES

N.B. The letters used in the *Yearbook* are not in all cases those authorized by the Associations; *e.g.* F.Inst.P. is sometimes abbreviated to F.I.P.

A.F.C. . . . Air Force Cross.
A.F.M. . . . ,, ,, Medal.
C B.E. . . . Commander Order of British Empire.
C.G. . . . Croix de Guerre.
C.H. . . . Companion of Honour.
Chev. Lég. d'H. . . Chevalier de la Légion d'Honneur.
C.I.E. . . . Companion of the Order of the Indian Empire.
C S.I. . . . Companion of the Order of the Star of India.
D.A . . . Diploma in Anæsthetics.
D.Arch. . . . ,, in Archæology.
D.C H. . . . ,, in Child Health
D.F.C. . . . Distinguished Flying Cross.
D F.H. . . . Diploma of Faraday House
D.F M. . . . Distinguished Flying Medal.
Dip. d'E.S. . . . Diplôme d'Etudes Supérieures.
Dip. Ed. . . . Diploma in Education.
D.G.O. . . . ,, in Gynæcology and Obstetrics
D.I.C. . . . ,, of Imperial College of Science and Technology.
D I H . . . ,, in Industrial Health.
D.L.O. . . . ,, in Laryngology and Otology.
D.M.R.E. . . . ,, in Medical Radiology and Electrology.
D M R.R. . . ,, in Medical Radiology and Radiotherapy
D.O M.S. . . . ,, in Ophthalmic Medicine and Surgery.
D P A. . . . ,, in Public Administration.
D.P.D. . . . ,, in Public Dentistry (St. Andrews).
D P.H. . . . ,, in Public Health
D.P.M. . . . ,, in Psychological Medicine.
D.R. . . . ,, in Radiology.
D.S.C. . . . Distinguished Service Cross.
D.S O. . . . ,, ,, Order.
D S S. . . . Diploma in Social Science.
D.T.H. . . . ,, in Tropical Hygiene.
D.T.M. . . . ,, ,, Medicine.
D.U.P. . . . ,, of the University of Paris.
D.V.M. . . . ,, in Veterinary Medicine.
D.V.S M. . . . ,, in Veterinary State Medicine.
F.A.A.A.S. . . Fellow of the American Association for the Advancement of Science.
F.A.A.O.S. . . . ,, American Academy of Orthopædic Surgeons.
F.A.C.D. . . . ,, American College of Dentists.
F.A.C.P. . . . ,, American College of Physicians.
F.A.C.S. . . . ,, American College of Surgeons.
F.A.I. . . . ,, Auctioneers' Institute.
F.A.I.A. . . . ,, American Institute of Architects.
F.A.I.E.E. . . . ,, ,, ,, Electrical Engineers.
F.Am.G S. . . . ,, ,, Geological Society.
F.A.P.S. . . . ,, American Physical Society.
F.B.A. . . . ,, British Academy
F.B.Ps.S. . . . ,, British Psychological Society.
F.C.A. . . . ,, Institute of Chartered Accountants.
F.C.I.C. . . . ,, Canadian Institute of Chemistry.
F.C.I.S. . . . ,, the Chartered Institute of Secretaries.
F.C.S. . . . ,, Chemical Society.
F.D.S. . . . ,, Dental Society.
F.D.S.R.C.S. . . ,, the Royal College of Surgeons in Dental Surgery.
F.E.I.S. . . . ,, Educational Institute of Scotland.
F.F.A. . . . ,, Faculty of Actuaries.

F.F A R C S. . . Fellow of the Faculty of Anæsthetists, Royal College of Surgeons.
F.F.I.A. . . . ,, Federal Institute of Accountants.
F.F.R. . . . ,, Faculty of Radiologists.
F.G S. . . . ,, Geological Society.
F G S.A. . . . ,, ,, ,, of America.
F.I A. . . . ,, Institute of Actuaries.
F I A N Z. . . . ,, ,, ,, of New Zealand
F.I.C.A. . . . ,, ,, Chartered Accountants.
F.I.C.D. . . . ,, International College of Dentists.
F.I.F. . . . ,, Institute of Fuels.
F I I A. . . . ,, the Institute of Industrial Administration.
F.I.M. . . . ,, ,, Metallurgists.
F.I.P. . . . ,, ,, Physics
F.I.S.E. . . . ,, Institution of Structural Engineers
F.L A. . . . ,, Library Association.
F.L S. . . . ,, Linnean Society
F N I. . . . ,, National Institute of Sciences (India)
F P A N Z . . . ,, Association of Public Accountants of New Zealand
F.R.A.C.P. . . . ,, Royal Australian College of Physicians.
F R A C S. . . . ,, ,, ,, ,, Surgeons.
F R A I . . . ,, Royal Anthropological Institute
F R A M . . . ,, the Royal Academy of Music
F R A N Z . . . ,, Association of Registered Accountants of New Zealand.
F.R.A S . . . ,, Royal Astronomical Society
F R.Ae S. . . . ,, ,, Aeronautical Society.
F.R B S. . . . ,, ,, Society of British Sculptors.
F.R.C.M. . . . ,, ,, College of Music.
F.R.C.O. . . . ,, ,, ,, Organists.
F.R C O.G. . . . ,, ,, ,, Obstetricians and Gynæcologists.
F.R.C.P . . . ,, ,, ,, Physicians, London.
F.R C.P.Can. . . . ,, ,, ,, ,, Canada.
F.R C.P.Ed. . . . ,, ,, ,, ,, Edinburgh.
F.R C.P I. . . . ,, ,, ,, ,, Ireland.
F.R.C.S. . . . ,, ,, ,, Surgeons of England.
F.R C S Can. . . . ,, ,, ,, ,, Canada
F.R.C S.Ed. . . . ,, ,, ,, ,, Edinburgh.
F.R.C.S.I. . . . ,, ,, ,, ,, Ireland.
F.R C Sc.I . . . ,, ,, ,, Science of Ireland.
F.R C.V.S. . . . ,, ,, ,, Veterinary Surgeons.
F.R.E S. . . . ,, ,, Economic Society.
F R F.P.S Glas. . . . ,, ,, Faculty of Physicians and Surgeons of Glasgow.
F.R.Hist S. . . . ,, ,, Historical Society.
F.R.I.A.I. . . . ,, ,, Institute of Architects of Ireland
F.R I.A S . . . ,, ,, ,, ,, Scotland.
F.R.I.B.A. . . . ,, ,, ,, British Architects.
F.R I C. . . . ,, ,, ,, Chemistry.
F R I.C S. . . . ,, ,, ,, Chartered Surveyors.
F.R.Met S. . . . ,, ,, Meteorological Society.
F R S. . . . ,, ,, Society.
F.R.S.A. . . . ,, ,, ,, of Arts.
F.R.S C. . . . ,, ,, ,, of Canada.
F.R.San.I. . . . ,, ,, Sanitary Institute.
F.R.S.L. . . . ,, ,, Society of Literature.
F.S.A. . . . ,, Society of Antiquaries.
F.S.A.A. . . . ,, ,, Incorporated Accountants and Auditors.
F.S.A.L A. . . . ,, the South African Library Association.
F.S.S . . . ,, Statistical Society.
F.T.C.L. . . . ,, Trinity College of Music, London.
F.T.I. . . . ,, the Textile Institute.
H.D.D. . . . Higher Dental Diploma.
K.H.C. . . . Hon. Chaplain to the King.
K.H.P. . . . Hon. Physician to the King.
K.H.S. . . . Hon. Surgeon to the King.
M.C. . . . . Military Cross.
M.M. . . . Military Medal.
M.M. (U.S.A.) . . Medal of Merit.
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.

R.D. . . . Royal Naval Reserve Decoration.
T.D. . . . . Territorial Decoration.
T.D.D. . . . Tubercular Diseases Diploma.
V.D. . . . . Volunteer Officers' Decoration.
V.R.D. . . . Volunteer Reserve Decoration.

THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH

5 Gordon Square, London, W.C.1.

Telegrams and Cables: " Uniburb, Westcent, London."
Telephone: Museum 4578/9.

AT the final meeting of the 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. In the spring of 1919 the Government offered a non-recurrent grant of £5000 to enable the Committee to secure and furnish premises suitable for the wide activities which the Bureau had developed, on condition that the Universities of the Empire undertook to provide funds adequate to its maintenance, and the Bureau was incorporated under licence of the Board of Trade. The Committee thereupon purchased the lease of No. 50 Russell Square. In 1930 the lease of these premises was sold and new offices were built at 88A Gower Street (in Torrington Place), W.C.1, on a site the lease of which was taken from the University of London. 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 September 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 September 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, in London on January 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 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." The Memorandum and Articles of Association immediately follow.

MEMORANDUM AND ARTICLES OF ASSOCIATION OF 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 Empire.

(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 Empire 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 standing Committee of Vice-Chancellors and Principals of Universities in 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 Empire 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 connexion 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 Board 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 connexion 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 Empire 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 Board 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 exerciseable by the Chancery Division, the Charity Commissioners or the Board 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 Committee 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 Committee 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 Committee 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 100, 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, 1929, 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.) such of the Universities specified in Schedule A attached to these Articles as sign the undertaking required by Article 5, and (ii.) such Universities situate within the British Empire, which may be hereafter incorporated, 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 territories and such other institutions being University Colleges or Colleges of Universities within the Empire (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 provisions 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 appoint 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.

7*a*. 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 that he will be absent from the United Kingdom; 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 Associa-

tion 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*
Great Britain and Ireland . .	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, 1929, 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 Empire 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 may elect a Chairman of their meetings and determine the period for which he is to hold office, but if no such Chairman is elected, or if he should not be present at the commencement of any meeting of the Council, the members of the Council shall select a Chairman from those present for that meeting.

21. The Chairman of the Council 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 in the United Kingdom 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 exerciseable 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 territories and other institutions being University Colleges or Colleges of Universities within the Empire ;

(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 of the Council is 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 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 Council 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 117 (2) of the Companies Act, 1929, 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. It shall not be necessary to give notice of a meeting to a representative of a Member who has no registered address in the United Kingdom.

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

43. A quorum shall consist of ten Ordinary Members.

44. If within half-an-hour from the time appointed for a meeting ten 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 and to a date to be fixed by the Chairman 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 Ordinary Members entitled to vote are present the 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 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 Members entitled to vote been present at such meeting. Notice of the time and place fixed by the Chairman for an adjourned meeting shall be given to all Members entitled to receive notices of meetings.

46. The Chairman of the Council shall be the Chairman of every General Meeting, but if within fifteen minutes from the time appointed for holding the meeting he is not present the Members present at the meeting and entitled to vote shall choose a Member 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 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 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 connexion with the Committee of Vice-Chancellors and Principals of Universities in 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 123 of the Act, 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 132, 133 and 134 of the Companies Act, 1929.

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 in the United Kingdom. Every representative of a Member shall furnish to the Association an address in the United Kingdom at which notices may be served.

66. Where a notice is sent by post, 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 on the day succeeding that on which it was posted.

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

UNIVERSITIES OF GREAT BRITAIN AND IRELAND

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

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

Ireland: The Queen's University of Belfast; University of Dublin, Trinity College; the National University of Ireland.

UNIVERSITIES OVERSEAS

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

Australia: Adelaide, Australian National University, Melbourne, Queensland, Sydney, Tasmania, Western Australia.

New Zealand: The University of New Zealand.

South Africa: Cape Town, Pretoria, South Africa, Stellenbosch, Witwatersrand

Malta: The University of Malta.

India Agra, Aligarh Muslim University, Allahabad, Andhra, Annamalai, Benares Hindu University, Bombay, Calcutta, Delhi, Lucknow, Madras, Mysore, Nagpur, Osmania University, Patna, Travancore, Utkal.

Pakistan: Dacca, Panjab, Sind.

Hong Kong: The University of Hong Kong.

Ceylon: The University of Ceylon

THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH

MEMBERS, TOGETHER WITH THEIR REPRESENTATIVES

(as at November 16, 1950)

(i) Ordinary Members

UNITED KINGDOM

University	*Representative*
Birmingham	Sir Raymond Priestley, M C., D L , M.A., D Sc., LL.D , D Litt
Bristol	Sir Philip Morris, C.B.E., M.A.
Cambridge	S. C Roberts, M A , LL D
Durham	Sir James Duff, M A., M Ed., LL.D.
Leeds	C. R. Morris, M.A.
Liverpool	J. F. Mountford, M.A , D Litt , Litt D , LL D., D C.L
London	D. W. Logan, D Phil., M A , B C.L.
Manchester	Sir John Stopford, M.D., Sc.D., D.Sc., F.R.C.P., F.R.S.
Nottingham	B. L. Hallward, M.A.
Oxford	Very Rev. J. Lowe, M.A., D.D.
Reading	J. F. Wolfenden, C B E., M A
Sheffield	Sir Irvine Masson, M B.E , D Sc , LL D , F.R S., F.R I.C.
Wales	Ifor L. Evans, M.A , D Litt.
Aberdeen	T M. Taylor, C.B E , K C., M.A., LL.D.
Edinburgh	Sir Edward V. 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	Sir James C. Irvine, K.B.E., D.L., Ph.D., D.Sc., Sc.D., D C.L., LL.D., F.R S.
The Queen's, Belfast	E. Ashby, D.Sc., D.I.C., F.L.S.

CANADA

Alberta	A. Stewart, B.S.A., M.A., Ph.D.
British Columbia	Norman A. M. MacKenzie, C.M.G., M.M., K.C., B.A., LL.D., D.C.L., F.R.S.C.
Dalhousie	Alexander E. Kerr, B.A., D.D., LL.D.
Laval	Mgr. F. Vandry, C.M.G., D.Th., L.Ph.
McGill	F. Cyril James, Chev. Lég. d'H., B.Com., M.A., Ph.D., D.C.L., LL.D., D.Sc., D. de l'U., F.R.S.C.
Manitoba	A. H. S. Gillson, O.B.E., M.A., LL.D.
Montreal	Mgr. O. Maurault, P.D., D.C.L.
Mount Allison	Col. the Rev. W. T. R. Flemington, O.B.E., B.Pæd., M.A., D.D.
New Brunswick	A. W. Trueman, M.A., D.Litt., LL.D.
Queen's, Ontario	Robert C. Wallace, C.M.G., M.A., Ph.D., D.Sc., LL.D., F.G.S., F.R.S.C.

St. Francis Xavier	Rt. Rev. Mgr. Patrick J. Nicholson, Ph.D.
Toronto	Sidney Smith, K.C., M.A., LL.D., D.C.L.
Western Ontario	G. E. Hall, A.F.C., M.S.A., M.D., Ph.D F.R.S.C.

AUSTRALIA

University	*Representative*
Adelaide	A. P. Rowe, C.B.E., B.Sc.
Australian National University	Professor Sir Douglas Copland, K.B.E., C.M.G., M.A., D.Sc., Litt.D., LL.D.
Melbourne	Sir John Medley, M.A., D.C.L.
New South Wales University of Technology	A. Denning, B.Sc.
Queensland	J. D. Story, I.S O.
Sydney	Professor S. H. Roberts, M.A., Litt.D., LL.D., D.Sc. (Econ.).
Tasmania	Professor T. Hytten, M.A.
Western Australia	G. A. Currie, B.Sc. (Agric.), D.Sc., LL.D.

NEW ZEALAND

New Zealand	Professor I. A. Gordon, M.A., Ph.D., LL.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.
Witwatersrand	H. R. Raikes, A.F.C., M.A., LL.D.

INDIA

Andhra	V. S. Krishna, B.A., Ph.D.
Annamalai	S. G. Manavala Ramanujam, M.A., Ph.D., D.I.C.
Calcutta	C. C. Biswas, C.I.E., M.A., B.L.
Madras	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	R. Kasturi Raj Chetty, B.A., B.L.
Osmania	Nawab Ali Yavar Jung, B.A.
Patna	S. Sinha, M.A., B.L.
Rajputana	G. S. Mahajani, M.A., Ph.D.
Roorkee	C. A. Hart, Ph.D., D.Sc. (Eng.).
Travancore	V. K. Nandan Menon, M.A.

CEYLON

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

PAKISTAN

Dacca	S. M. Hossain, M.A., D.Phil., LL.D.
Panjab	O. H. Malik, M.A., M.Sc., Ph.D., LL.D.
Sind	Lt.-Col. A. B. A. Haleem, B.A.

OTHER PARTS OF THE COMMONWEALTH

Hong Kong	Col. Lindsay Ride, C.B.E., B.Ch., M.A., D.M.
Malaya	G. V. Allen, C.B.E., M D., B.Ch., B.A.O., D.T.M.
Malta	J. A. Manché, B.Sc., M.D.

(ii) Associate Members

College	*Representative*
University College of the South-West of England, Exeter	John Murray, M.A , LL D , D.Litt.
University College, Hull	J. H. Nicholson, M A. (Ed.).
University College, Leicester	F. L. Attenborough, M.A.
University College of North Staffordshire	Rt. Hon. Lord Lindsay of Birker, C.B.E., M.A., LL.D.
University College, Southampton	Sir Robert Wood, K.B.E., C.B., M.A.
Canberra University College	Professor H. Burton, M.A.
University of Otago, Dunedin, N.Z.	R. S. Aitken, D.Phil., LL.D., M.D., F.R.C.P.
Canterbury University College, Christchurch, N.Z.	H. R. Hulme, M.A., Ph.D.
Auckland University College, N.Z.	K. J. Maidment, M A.
Victoria University College, Wellington, N.Z.	Sir Thomas Hunter, K.B.E., M.A., M.Sc.
Canterbury Agricultural College	Professor E. R. Hudson, B.Agr., B.Sc.
Rhodes University College, South Africa	T. Alty, D.Sc., Ph.D., F.Inst.P., F.R.S.C.
University College of the Gold Coast	D. M. Balme, D.S.O., D.F.C., M.A.
University College, Ibadan	K. Mellanby, O.B.E., Sc.D., Ph.D.
Makerere College The University College of East Africa	Prof. B. de Bunsen, B.A.
University College of the West Indies	T. W. J. Taylor, C.B.E., M.A., D.Sc.
Imperial College of Tropical Agriculture, Trinidad	H. J. Page, O.B.E., B.Sc., F.R.I.C.

(iii) Additional Members

Municipal College of Technology, Manchester	Sir J. E. Myers, O.B.E., D.Sc.
Royal Technical College, Glasgow	D. S. Anderson, B.Sc., Ph.D.
New England University College, Armidale, N.S.W.	R. B. Madgwick, M.Ec., D.Phil.

THE EXECUTIVE COUNCIL (elected November 16, 1950)

UNITED KINGDOM

D. W. LOGAN, D.Phil., M.A., B.C.L. [London].
Very Rev. J. LOWE, M.A., D.D. [Oxford].
T. M. TAYLOR, C B.E., K.C., M.A., LL.D. [Aberdeen].
J. F. WOLFENDEN, C B E., M.A. [Reading].

CANADA

Rt. Rev. Mgr. PATRICK J. NICHOLSON, Ph.D. [St. Francis Xavier].
SIDNEY SMITH, K.C., M A , LL.D , D.C.L. [Toronto].

AUSTRALIA

Professor Sir DOUGLAS COPLAND, K.B.E., C.M.G., M.A., D.Sc., Litt.D., LL.D. [Australian National University].
G. A. CURRIE, B.Sc. (Agric), D Sc , LL D. [Western Australia].

NEW ZEALAND

Professor I. A. GORDON, M.A., Ph.D., LL.D. [New Zealand].

SOUTH AFRICA

T. B. DAVIE, B.A., M.D., LL.D., F.R.C.P. [Cape Town].
E. G. MALHERBE, M.A., Ph.D., LL.D. [Natal].

INDIA AND CEYLON

Sir IVOR JENNINGS, K.C., M.A., LL.D., Litt D. [Ceylon].
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

Lt.-Col. A. B. A. HALEEM, B.A. [Sind].

OTHER PARTS OF THE COMMONWEALTH

J. A. MANCHÉ, B.Sc., M.D. [Malta].
K. MELLANBY, O.B.E., Sc.D., Ph.D. [Ibadan].

OFFICERS

(elected November 16, 1950)

Chairman: Sir A. L. MUDALIAR, B.A., M.D., LL.D., D.Sc., D.C.L., F.R.C.O.G., F.A.C.S.
Vice-Chairman: Sir RAYMOND PRIESTLEY, M.C., D.L., M.A., D.Sc., LL.D., D.Litt.
Hon. Treasurer: Sir WILLIAM HAMILTON FYFE, M.A., LL.D., F.R.S.C.

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

UNIVERSITIES OF THE UNITED KINGDOM

Historical and General Summary

Universities were the outcome of the great intellectual revival which affected Europe in the twelfth and thirteenth centuries. A *universitas* was simply a guild, or corporation, and 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, which was in effect inaugurated by 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) the Universities added the three higher "Faculties" of theology, law and medicine in order to provide complete preparation for the learned professions. The Scottish Universities, except Edinburgh, were founded in the fifteenth century, but the country had not been greatly influenced by the Revival of Learning, and although the earliest Reformers were in touch with continental scholars, and some attempts were made to introduce the New Learning into the schools and Universities, the mediæval scholastic tradition remained paramount in St. Andrews and Glasgow until the seventeenth century. Aberdeen was more receptive to *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 eighteenth century teaching had become mainly traditional and formal and the Universities were little more than federations of Colleges.

Readjustment to modern conditions took place in the course of the nineteenth century. Already in 1779 Protestant Dissenters, and in 1791 Roman Catholics, had been emancipated from the ban against their following 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 the teaching of modern subjects, and the throwing open of scholarships to students of such subjects removed practically all obligations to take orders in the Church of England and did much to make the Universities accessible to all classes of the community

Pursuant to the recommendations made by the Royal Commission of 1919, important constitutional and other changes have been effected at Oxford and Cambridge by the Statutory Commissioners appointed in 1923. *See* the sections relating to these Universities in the 1929 *Yearbook*.

In 1836 a charter was granted to the University of London empowering it to grant degrees to the students of University College (founded on an undenominational basis as the " University of London " in 1826) and King's College (founded 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, which in its original conception followed closely the lines of Oxford, was founded under an Act of Parliament in 1832 and received its charter in 1837. It was partly endowed out of the funds of the See and Chapter of Durham. The Colleges in which the other English Universities originated were 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; the University Extension College, in conjunction with the Schools of Science and Art, Reading, in 1892. Created to minister to local needs and supported largely by local benefactions, they were naturally closely associated with local industries, and from the first laid stress upon the study of mathematical, scientific and modern subjects. Reading differed from the others in having been established in a town of comparatively small size (population less than 100,000), in the prominence given to work bearing on the agricultural and associated industries and in its policy of making residence in college or hostel the rule for its students. The Royal College of Science and the Royal School of Mines originated in a Technical School formed in 1851 in connexion with a Museum of Practical Geology. They, with the City and Guilds (Engineering) College, founded in 1881, became integral parts of the Imperial College of Science and Technology, which was established in 1907 with the declared purpose of giving the highest specialized instruction and providing for research in the various branches of science, especially in its applications to industry.

A University of Wales was projected early in the fifteenth century, and the project was revived in Cromwell's time, but it did not materialize until 1893. The constituent colleges at Aberystwyth, Cardiff, Bangor and Swansea were founded in 1872, 1883, 1884 and 1920 respectively. They are thoroughly indigenous to the Principality, much of the funds having been collected in very small sums from workpeople at the doors of churches and chapels. The Welsh National

School of Medicine at Cardiff was incorporated in the University in 1931.

The University College of the South West of England, Exeter, University College, Hull, University College, Leicester, and University College, Southampton, prepare students for the External Degrees of the University of London. In 1950 the University College of North Staffordshire was established with degree-giving power.

The Queen's University of Belfast was founded in 1909. It originated in 1850 when Queen's College, Belfast, was one of the three Irish colleges constituting the Federal University. From 1880 to 1909 the College formed part of the Royal University

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 community, with the privileges of social intercourse and subject to the mutual influence which corporate life exerts

Women were first admitted to Degrees by the University of London in 1878. Bedford College had already been founded in 1849; the three other colleges for women in connexion with 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 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 opened in 1878, Somerville in 1879, St. Hugh's in 1886 and St. Hilda's in 1893. 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. Cambridge admitted women informally to Tripos examinations in 1872 and to the titles of degrees in 1923; in 1926 women were declared eligible to University teaching posts and therefore to membership of boards of faculties. In 1948 by Order in Council the Statutes were amended so that women should be admissible to membership of the University on the same terms as men. Oxford admitted them to examinations in 1884, to degrees and full membership in 1920 and to University teaching posts in 1927. Women have been admitted to the Universities of Scotland since 1892, Durham since 1896 and to all the modern Universities from their foundation.

Unlike those of most 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.

Up to the year 1913–14 the Board of Education presented to Parliament a Report supplying information in regard to University institutions in England and Wales which were in receipt of grants from the Board. In July 1919, the Chancellor of the Exchequer appointed a Standing Committee "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." Up to the year 1939, this Committee annually

published a statistical abstract of student and financial figures relating to Universities and University Colleges, and reported quinquennially on their financial needs and progress.

On its constitution as the University Grants Committee in July 1919 an amount of £1,000,000 (including Ireland) was made available for distribution to Universities and University Colleges. From that date onwards there were periodic increases in the amount of the grant, which stood at an annual sum of £2,149,000 (excluding Ireland), for the period ending March 31, 1940 The annual grants were maintained unchanged during the War.

Before the end of the War, much consideration was given to the post-war problems which were likely to beset the Universities and Colleges In the autumn of 1943, the Committee was reconstituted and additional members were appointed. In the years following the war large increases have been made in the financial provision in the Civil Estimates for Universities and University Colleges, and by 1949–1950 the sum voted for this purpose had risen to £17,564,500 Consequently the Committee has been able during these years to distribute largely increased annual grants to the institutions and to embark on a programme of substantial capital grants

In July 1946 the Chancellor of the Exchequer announced in Parliament new terms of reference for the University Grants Committee, in order that, " in this new phase of rapid expansion and planned development of our Universities, the Committee should play a more positive and influential part than in the past " The Committee's new terms of reference were as follows :—

" To inquire 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 on matters relating to University education at home and abroad ; 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 "

In the financial year 1949–50 the estimated grants to be paid by the Ministry of Education to the University Departments of Education under the Ministry's Training of Teachers Grant Regulations were assessed at £224,092 in respect of Tuition and Supervision of Students, and £294,580 for the boarding and personal maintenance of students.

In 1949–50 Local Education Authorities' estimated grants to Universities amount to £941,000 (approx.).

For information regarding scholarships, *see* p. 18.

The academic year is divided into three terms, which run from about October 1 to the middle of December ; middle of January to end of March ; middle of April to end of June or beginning of July.

The Constitution and certain other characteristics of the Scottish Universities are described on pp. 464-468.

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 lands. 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 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. The conferment of a first degree now marks the satisfactory completion of a three or four years' University course.

At Oxford and Cambridge the Faculty of Arts is not subdivided. B.A. is the " first degree," whether the course leading to it be literary or scientific. At Oxford the B.Litt. and B.Sc. are awarded for special study and research, like the M.Litt. and M.Sc. of Cambridge. At Cambridge there is no B.Litt. or B.Sc. At St. Andrews the B.Phil. or the B.Litt. may be taken either conjointly with or after the M.A.

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.

Each of the Faculties of Theology, Law, Medicine and Music has its own bachelor's degree (v. *infra*).

The first degree may be obtained in most Faculties either as an ordinary degree or with Honours.

In addition, at all Universities, Diplomas and Certificates are granted in a variety of subjects (*see* the several Universities).

The signatures of the titles of the Degrees conferred in the various Faculties are set forth below—the more usual signature being ordinarily placed first. Fuller details will be found under the several Universities and in the Introductory Chapter relating to the Scottish Universities.

Faculty of Arts and Cognate Subjects

First Degrees

Bachelor of Arts. B.A. (all Universities except Scottish ; also University College of North Staffordshire)

Master of Arts. M.A. (Scottish Universities only).

Administration. B.A. (Admin) Manchester, Nottingham.

Architecture B A Cambridge , B Arch Durham, Liverpool, Wales ; B.A. (Arch) London ; B A. (Hons in Architecture) Manchester, Sheffield.

Commerce. B Com. (in addition, B Com with specialization in Russian Studies, B Com. (Geography), B.Com (Social Study), B.Com. for qualified Science students and B Com. (Economics, Politics and Sociology) at Birmingham) ; B Com Leeds (Economics with one other main subject, which may be Accountancy or an approved technological subject) ; B.Com. Liverpool in either (*a*) Commercial subjects or (*b*) Accountancy ; B A Com. Bristol ; B A.Com Manchester

Economic and Social Studies B A (Econ) Manchester, Sheffield ; B A Liverpool

Fine Art B.A. Durham, Reading.

Literature. B Litt. St. Andrews (with or after M A.) ; B A. Liverpool.

Philosophy. B.Phil. St. Andrews (after M.A.) ; B A. Liverpool.

Social Studies. B.A. Durham, Leeds, Liverpool

Theology B A (Theol) Manchester, Nottingham ; B A. Birmingham, Leeds

Town and Country Planning B A. Durham.

Faculty of Science and Cognate Subjects

First Degrees

Bachelor of Science. B.Sc.

Agriculture. B.Sc. (Agr.) London, Nottingham, Reading, Aberdeen, Edinburgh, Glasgow , B A Cambridge , B Agr Belfast , B Sc. Durham and Leeds.

Applied Chemistry. B.Sc. (App. Chem.).

Applied Science. B.Sc. (App. Sc.) (as distinguished from the B.Sc. Pure Science). *See also* p. 466.

Architecture. B.Sc. (Arch.) Glasgow. *See also* Arts Degrees.

Dairying. B Sc. (Dairying) Reading.

Domestic Science. B.Sc. (Dom. Sc.) Bristol.

Economics. B.Sc. (Econ.) London, Belfast ; B.A. Leeds

Engineering. B.Sc., B.Sc. (Eng.) ; B.A. Cambridge, Oxford ; B.Eng. Liverpool, Sheffield ; B.Sc.Tech. Manchester.

Estate Management. B.A. Cambridge ; B.Sc. (Est. Man.).

Forestry. B.Sc. (For.)

Horticulture B Sc. (Hort) London, Nottingham, Reading.

Household and Social Science. B Sc. (H. and S.S) London (Internal students only)

Industrial Fermentation. B Sc Birmingham ; B.Sc.Tech. Manchester

Metallurgy. B.Sc. ; B.Eng. Liverpool , B.Sc.Tech. Manchester , B.Met Sheffield.

Mining Engineering. B Sc. , B.Eng. Sheffield , B.Sc.Tech. Manchester ; B.Sc. (Min) Nottingham.

Naval Architecture B Sc. , B Eng. Liverpool.

Oil Engineering and Refining. B Sc Birmingham, London.

Technology. B Sc.Tech. Manchester, Sheffield.

Textile Technology. B Sc Leeds , B Sc Tech Manchester ; B.Sc. (Text Tech) Belfast

General Honours Degrees in Arts

Birmingham—Honours are awarded in the General B A. Examination, where sufficient merit is shown. The General Degree Course is given a similar standing to a course in a Special School ; there is no course arranged for an ordinary degree.

Bristol has abolished the distinction between the Ordinary degree and the degree with Honours The degree of B.A. is now conferred as a General degree or as a Special degree ; Honours may be awarded with either.

Leeds—The degree of B A is conferred either in General Studies or in Special Studies. Honours may be awarded in either. For the General Studies degree candidates will be required to pursue courses in three approved subjects for 3 yrs. and in one approved subject for 1 yr.

Liverpool has abolished the distinction between the Ordinary degree and the degree with Honours. The degree of B.A. is now conferred either as a degree in General Studies or as a degree in Special Studies in one of the Schools of the Faculty. Honours may be awarded in both General and Special Studies.

Manchester—An Honours School of Combined Subjects has been instituted, under which a candidate can offer any *two* of the following : a Language, Ancient or Modern ; English ; History ; Geography ; Philosophy ; Psychology.

Nottingham—An Honour School of Combined Subjects has been established under which a student may read one of the following combinations of subjects : English and Philosophy ; French and Spanish ; Geography and Sociology ; Economics and Sociology ; Economics and Statistics.; Economics and Geography. The Regulations enable students to spend one or more further years in reading for an honours degree after completing the Grouped Subjects (General) degree course.

Reading—Composite Honours Schools are available in Philosophy

and English Literature, Philosophy and German, Greek and English Literature, Latin and English Literature, Social and Economic Psychology, Social and Economic Philosophy.

Sheffield—Honours are awarded in the General B.A. Examination

General Honours Degrees in Science

Bristol—There is an Honours Degree in General Science in *either* (*a*) two main subjects and a subsidiary subject *or* (*b*) three main subjects

Durham—A General Honours Degree in Science has been instituted, courses being available at King's College, Newcastle upon Tyne.

Leeds—The degree of B.Sc. is conferred either in General Studies or in Special Studies. Honours may be awarded in either. For the degree in General Studies candidates will normally be required to attend at least nine Introductory and General courses, of which five shall be General courses. The General courses must include (*a*) courses in not less than three subjects and (*b*) not less than two General courses in each of two of these subjects.

Liverpool—General Science is included among the Honours Schools of the Faculty.

London—Honours are awarded in the B.Sc. General Examination.

Manchester—An Honours Degree in General Science may be conferred in any one of the following sections (i) Chemistry, Physics and Maths; (ii) (*a*) Botany, Zoology and Chemistry, (*b*) Zoology, Botany and Geology; (iii) Geography and Geology or Botany or Zoology, (iv.) Maths. and Physics with Elem Botany and Zoology; (v.) Chemistry and Physiology with Elem. Physics and Zoology; (vi.) Anatomy and Physiology

Nottingham—Honours are not awarded in the Final Examination for a Grouped Subjects (General) Degree. Students who wish to read for an Honour School of the Faculty must first take the course for the Grouped Subjects Degree and attain a satisfactory standard in the examination; the course is normally of 2 yrs.' duration and consists of two main subjects, each studied for 2 yrs and a subsidiary subject studied for 1 yr. The Final Examination for an Honours Degree is taken one year after that for the Grouped Subjects Degree.

Reading—Successful candidates in the Final Examination for B.Sc. (General) (ordinarily in three Science subjects) may qualify for a degree with Honours (General) in the first or second class. Normally students in the Faculty of Science follow the course for B Sc. (General) before entering on the course for B.Sc. (Special).

Sheffield—Honours are awarded in the General B.Sc. Examination.

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

Bachelorships

B.Litt., B.Sc. Awarded at Oxford for special study and research. Students reading for the B.Sc. may change over in the middle of their course to the D.Phil. (*q.v.*), or *vice versa*.

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).

B.Ed.; Ed.B. Scottish Universities. Two years after a first degree

Masterships

M.A. At Cambridge a Bachelor of Arts 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 twenty-first term after matriculation At Durham a B.A. or B.Arch. of Durham may submit a thesis or be examined on an approved subject. At Nottingham the degree is conferred on graduates of the University after advanced work extending over at least one session, and on graduates of other approved Universities after at least two sessions ; except in Mathematics, where the degree is obtained by examination, 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 ; and on other B A.s of the University and on graduates of other Universities subject to specified conditions. 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 and Belfast ; of 1 yr. from graduates with Honours, and 2 yrs. from others, at Manchester and Wales ; of 2 yrs. from all graduates at Bristol, Liverpool, London 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 and Wales (thesis required) and after 3 yrs at Sheffield At London a thesis is required from Internal students in all branches, except English, Oriental Languages, Mathematics and Geography, 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 years. At Leeds such candidates may be required to pass a preliminary test before being accepted for study.

M.Sc. This degree is not conferred by Oxford or any of the Scottish Universities. 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, 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 Mathematics, Chemical Engineering and Psychology. 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. At Manchester, by graduates, B.Sc. of 1 yr 's standing, after thesis and examination (at the discretion of the Faculty) At Sheffield, by graduates, B Sc. of the University, who have attended the University for not less than one further year, 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 ; 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 after 2 yrs.' research 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 Mathematics and 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 a year's duration The M Sc. Wales may be conferred on a graduate in Science 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.

Other Titles of Mastership conferred by various Universities

M.A. (Admin.) (Manchester, Nottingham); M.Agr. (Belfast); M.A. (Arch.) (London); M Arch (Liverpool); M.Com. (Birmingham, Durham, Leeds, Liverpool); M.A. (Com.) (Manchester); M.A. (Econ.) (Manchester); M.Ed. (Durham, Leeds, Manchester, Nottingham); M.Eng. (Liverpool, Sheffield); M.Litt. (Cambridge, Durham); M.Met. (Sheffield); M.Sc. (Agriculture) (Nottingham); M.Sc. (Econ.) (London, Belfast); M Sc (Eng.) (Nottingham); M.Sc. (Est Man) (London); M.Sc. (Horticulture) (Nottingham); M.Sc. (Min.) (Nottingham); M.Sc.Tech. (Manchester, Sheffield); M.Th. (London).

Doctorates

The Doctorate in Letters or in Science (Litt.D., D.Lit., D.Litt., Sc.D., D.Sc.) 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 learning or science. The claim to the degree must be based either upon a special thesis, as at London, 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.A., 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), Leeds, 6 yrs from B A. or B Sc. ; Liverpool, on M A 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. ; Wales, 10 yrs. from B A or B Sc , Scottish Univs , 5 yrs. from M.A. , 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, 5 yrs ' standing from first degree.

Degrees in the Faculty of Divinity

B.D. After examination in the Scottish Universities and the Universities of London, Manchester, Wales and Belfast. At Birmingham after attending a prescribed course of study for not less than two academic sessions at the Univ. ; passing an examination and presentation of a thesis on an approved subject Candidates should be graduates of Birmingham or of another approved University. After examination (waived in the case of graduates in Theological Studies) and submission of a thesis at Leeds ; graduates of other Universities being required to attend at Leeds courses for 2 yrs. After examination and submission of a thesis at Durham At Cambridge after submission of a dissertation or published works. After examination and the submission of a dissertation and published works at Oxford. At London the course must extend over 3 yrs., subsequent to matriculation. At Nottingham the degree may be conferred on graduates of the University with B.A. (Theology) after at least 1 yr. of further study or after 2 yrs. upon other graduates of the University or of any approved University whose knowledge of Theology is deemed adequate. Candidates will be required to submit a thesis, present themselves for a *viva voce* examination and, if required, a written examination. In Scotland a candidate

must be an M.A. of a Scottish University who has taken a theological course in a specially recognized institution, or a graduate of an approved University who has taken a complete theological course of at least 2 yrs. in the University conferring the degree, at Belfast the 2-yr. course is open to graduates of any Univ., at Durham he must be either a Durham graduate of 3 yrs.' standing or a graduate of another University and the holder of the Durham Diploma in Theology; in Wales, a graduate who, subsequent to graduation, has studied for 3 yrs. at one of the Associated Theological Colleges or Schools of Theology of the University; at Cambridge, a candidate who is a graduate of the University of not less than 5 yrs.' standing from admission to his first degree; at Oxford the degree is open to Oxford M.A s and graduates of other Universities (degrees not conferred until they are 26) who have followed a course of study in Christian Theology extending over 6 terms and resided at the University during 6 terms. The B D. may be taken with Hons. at some Universities.

D.D. In Scotland the degree is conferred *honoris causa tantum*. 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 Cambridge, 3 yrs from B D.; Durham, 10 yrs. from B A; 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, 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 Aberdeen, Edinburgh and Glasgow candidates must be graduates of approved Universities and pursue a course of study for 3 yrs.

The Universities of Oxford and St. Andrews do 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, Leeds, Liverpool, London, Manchester, Nottingham, Sheffield, 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 Durham and Manchester, of 2 yrs.' standing, on presentation of thesis. By examination at Birmingham and Wales after 1 yr.'s study, at London after 1 yr.'s study for Internal students and 2 yrs.' for External. At Liverpool, by graduates, LL.B. with Honours, after 2 yrs.' study; by 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). *Graduates of approved Universities*: Birmingham, after 1 yr.'s study, by examination; Bristol, Durham, Leeds, Manchester, Nottingham and Wales, after 2 yrs.' study, by thesis; Liverpool, 2 yrs.' study, by examination or thesis; Sheffield, 2 yrs.' study, by examination and thesis, London, 2 yrs' study, by examination

LL.D. or **D.C.L.** (Oxford, Durham). By the Scottish Universities the Doctorate is awarded *honoris causa tantum*. Other Universities, unless the degree be awarded *honoris causa*, 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; Belfast, 5 yrs. from LL.B. if thesis; Manchester, 4 yrs from LL.B.; 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, 6 yrs. from LL.B.; Durham (D.C L), 10 yrs. from B A.; Wales, 10 yrs. from graduation or 3 yrs. from LL.M. or 2 yrs. from Ph.D. 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 Subjects

M.B., B.M. (Oxford), **Ch.B., B.Chir.** (Cambridge), **B.Ch.** (Oxford, Wales, Belfast), **B.S.** (Durham, London). Obtainable as an ordinary degree or with Hons. (Cambridge, ordinary only). The regulations for these degrees are practically uniform. Satisfactory attendance is required during at least 5 yrs. at courses of study and hospital practice. Four examinations (in some Universities grouped as three or two) must be passed. All examinations must be passed at the University granting the degree, except at Birmingham, Bristol, Cambridge, Durham, Liverpool, London, Oxford (Senior students) and the Scottish Universities, where a candidate may be exempted from the first examination

in Chemistry, Physics and Biology if he has passed an equivalent examination elsewhere. At St. Andrews similar exemption may be obtained from the second examination in Anatomy and Physiology. Study in the University for at least 3 yrs. is required (2 yrs., Scottish Universities, Leeds, Manchester), 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 exact 3 yrs ' residence, but allow students to do any or all of their clinical work at other recognized medical schools At Oxford and Wales candidates must graduate B.A (or B Sc. Wales) before admission to a medical degree The B A.O and the M A O (Obstetrics) are conferred by Belfast Nottingham and Reading do not confer degrees in Medicine

M.D. or **D.M.** (Oxford). Candidates must be Bachelors of Medicine and Surgery of the University of, ordinarily, 2 yrs.' standing (Scottish Universities, 1 yr 's standing , Birmingham, graduates M.B., Ch B of 5 yrs.' standing ; Leeds, graduates M.B., Ch.B. of 3 yrs.' standing ; Liverpool, graduates M B., Ch B , by thesis, 2 yrs.' standing , by examn after 5 yrs from taking M B , Ch B. , Belfast, 3 yrs or 2 yrs from B A or B Sc with M B , Cambridge, 8 yrs from admission to first Cambridge degree , Oxford, 10 yrs. from matriculation). A dissertation is compulsory at most Universities, followed by an examination, unless the examiners pronounce the dissertation to be of such merit as to render further examination unnecessary. At Birmingham graduates in Medicine of other Univs., who are not past students of Birmingham Med School, must have been in possession of a degree recognized by the General Medical Council for the U K. for 5 yrs. and must have been engaged in approved postgraduate study for not less than 2 yrs.

Ch.M., M.Ch., M.S. (London and Durham), **M.Chir.** (Cambridge) Regulations somewhat similar to those for M.D. At Cambridge there is a written, oral and clinical examn., but no thesis. At 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 hold a medical qualification registrable in Great Britain At Leeds and Manchester, open to graduates M.B., Ch.B , of 5 yrs.' standing 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 Australia or of the American College of Surgeons. Attendance at Liverpool of 12 or 15 months before examination is required. In addition to the M.S Durham grants a **D.Ch.** open to candidates who subsequent to having obtained a registrable qualification have devoted 3 yrs (including at least one in the University) to the study of surgery and ancillary subjects.

Degree of **M.Rad.** (in either Radiodiagnosis 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, Oxford, Reading, Wales, Aberdeen and Glasgow (period of study generally about 5 yrs). Diplomas in Dental Surgery—**L.D.S.**—are awarded by the Universities of Birmingham, Bristol, Durham, Leeds, Liverpool, Manchester, Sheffield and Belfast (period of study generally 4 yrs.). The degree of Master of Dental Surgery—**M.D.S., M.Ch.D.** (Leeds)—is awarded by all Universities granting a first degree, except London. Candidates must generally be Bachelors of Dental Surgery of 1 to 3 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 University of London awards the degree of M.S. in Dental Surgery. In order to be admitted to the examination candidates must first have obtained the degrees of Bachelor of Medicine and Surgery 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 Pharmacy and Pharmacology) and by Belfast (**B.Sc.** in Pharmaceutics) The course extends over 3 yrs. except at Nottingham (4 yrs.) and at Glasgow, where it extends over 4 yrs and leads to an Honours degree.

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.

Degrees in Public Health are conferred by Durham (**B.Hy.** and **D.Hy.**) and by Glasgow (**B.Sc.** and **D.Sc.** in Public Health). Candidates for the Bachelor's degrees must be graduates in medicine of 2 yrs.' standing ; the D.Sc. (Glasgow) is conferred 5 yrs after the Bachelor's degree.

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.Sc.** in Veterinary Science and **D.Sc.** 3 yrs. later by thesis).

Degrees in the Faculty of Music

Mus.B., B.Mus., Mus.Bac. At Birmingham, Cambridge, Leeds, London, Manchester, Nottingham, 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 by virtue of an approved Higher School Certificate. They must also pass an examination in execution. At Cambridge the degree is obtainable after honours in the Music Tripos by passing the Mus B examn At Durham they are admitted on a *testamur* as Students of Music. At Nottingham candidates at admission must show proficiency in performance on the piano or some other approved instrument. At Oxford they must pass Responsions. At Sheffield they must pass the Intermediate Examination for the B A degree. In Wales they must attend an intermediate class 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. Honours in this degree are obtainable at Birmingham, Manchester, Edinburgh, Glasgow and Wales. At Belfast the degree is of Honours standard

Mus.M., M.Mus. At Cambridge and Wales conferred on Bachelors of Music (and Bachelors of Arts with Honours in Music at Wales) 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

Mus.D., D.Mus., Mus.Doc. 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, Durham, Sheffield and Glasgow (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).

Doctor of Philosophy

In May 1917 representatives of the Universities and University Colleges met in conference to devise measures for the further encouragement of Postgraduate Study and Research. It was resolved that it was desirable that a degree should be instituted carrying the title of

Doctor (**Ph.D., D.Phil.** Oxford), obtainable by graduates of British and foreign Universities after a course of advanced study and research. The conditions and regulations for such a degree were further considered at adjourned meetings held on May 10, 1918, Jan. 24, 1919, and March 14, 1919 All the Universities of the United Kingdom now confer the degree of Philosophiæ Doctor. Candidates entering upon a course of advanced study and research for the Ph D. must be at least 21 (Birmingham, Bristol, Cambridge, Durham, Liverpool, Nottingham, Oxford, Reading, Sheffield, Wales, St. Andrews, Belfast—no minimum age); 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. (Durham—2); must produce evidence of fitness for the proposed course of study and research. The course extends over 2 yrs at most Universities; at Cambridge, Liverpool, 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 At Sheffield, under certain conditions, part-time research for not less than four years 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 Candidates on completion of research must present thesis and submit to oral examination on thesis. The degree is granted in any faculty 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. Chapter 21) the Archbishop of Canterbury has power to grant degrees which previous to the Reformation were obtained from Rome The degrees generally conferred are those of D D, Mus.Doc. and B D

Students

The number of full-time students in Universities and University Colleges in receipt of Treasury Grant is given by the University Grants Committee for the year 1948–49 as 83,690, including 19,388 women To these must be added the students of the Queen's Univ. of Belfast and of certain schools of the University of London not included in the Returns of the University Grants Committee, making a total of about 87,290. These statistics do not include the students of the institutions, other than Universities and University Colleges, in which professional education of University grade is given in Theology, Teaching, Agriculture, Mining, etc.; nor students reading privately for the External degrees of the University of London, for the Bar, etc. This makes comparison with statistics of other countries difficult, as does also the fact that the work of the higher forms of many of our secondary and public schools corresponds with the earlier stages of the work

done in Colleges and collegiate departments of some foreign Universities, *e.g.* in America.

For information regarding admission as an undergraduate from home and abroad and school examinations, *see* Appendix I. For recognition of study at other Universities—(*a*) as undergraduates, *see* Appendix I; (*b*) as graduates, *see under* the several Universities and pages 8-17. For fees and other charges, *see under* the several Universities.

Scholarships

Few countries offer a richer variety than Great Britain of facilities for access to the highest forms of education The lead of the " pious founder " has been followed by City companies and professional bodies, and, since the Education Act of 1902 brought higher education within the purview of Local Authorities, by the State. The response to the principle which found expression in the words of Mr. Fisher's Education Act of 1918, that " children and young persons should not be debarred by inability to pay fees from receiving the benefits of any form of education by which they are capable of profiting," has been so remarkable that L.E.A.s are now assisting more students to take courses at Universities than they were helping to obtain Secondary education before the Act of 1902 was passed. The number of scholarships available and their variety, as regards conditions of tenure, put any attempt to give a comprehensive list out of the question. Those in search of assistance should apply for their Local Education Authority's Scholarship Handbook.* The main agencies in England and Wales by which scholars are assisted to attend Universities are as follows (awards from public funds are classified in the order of the probable number given annually): (i) *Local Education Authorities.* The awards made by Local Authorities are based on performance in the examinations for the General Certificate of Education or in another of comparable standard. (ii.) *" Open " Scholarships awarded by Universities, Colleges of Universities or University Colleges* A brief note of scholarships open to graduates will be found in the general information regarding each University. No particulars are readily available to show the total number of entrance scholarships and exhibitions awarded annually. (iii.) *University Supplemental Awards.* These Awards, which were introduced by the Ministry in 1946, bring the total funds available to the holder of an open University Scholarship or Exhibition up to the level of the funds available to a State Scholar. Some 1200 University Scholarships or Exhibitions, which satisfy the requirements of open competition, level of attainment and titular value, qualify for supplementation by the Ministry; not all these awards are made in any one year. (iv.) *State Scholarships.* These Scholarships are awarded annually by the Ministry of Education to boys and girls in

* Some of the Scholarship Handbooks, *e.g.* that published by the London County Council (P. S. King & Son, Ltd., 14 Gt. Smith St., Westminster, S.W.1, price 3d.), include a great deal of information in regard to general sources of assistance open to the whole country, as well as that available for persons resident in a particular area.

full-time attendance at Secondary Schools, on the recommendations of the Bodies which conduct the examinations for the General Certificate of Education. The assistance available to a State Scholar is related to his financial circumstances and to those of his parents. It may consist of a grant towards the cost of tuition fees and the cost of maintenance during the normal academic year and in vacations. In 1950, the number of State Scholarships available was 900. (v.) *Technical State Scholarships and Mature State Scholarships.* These two new types of award were introduced by the Ministry of Education in 1947. They assist students who have taken full-time and part-time courses in establishments of further education to follow a degree course. 120 Technical Scholarships were available in 1950; they are assessed on the same lines as the State Scholarships. 30 Mature Scholarships were available, these are awarded to older students and are, therefore, assessed on rather more generous lines (vi.) *Charities and Trusts unattached to Schools, but with power to offer Exhibitions under their Instruments of Government.* The number of educational charities in the country is extremely large. Information about the scholarships available in any particular area can usually be obtained by application to the L E A, and particulars will be found in the Annual Register and Digest The exhibitions offered from these sources usually supplement other awards. Whitworth Scholarships for Engineering students are administered by the Ministry of Education.

For Scholarships in Scotland, *see* p. 467. For Postgraduate awards, *see* Appendix II

Adult Education

University Extension Courses have been promoted by the Universities of Cambridge, Oxford and London for the last 70 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, especially from the point of view of administration, the many aspects of extra-mural work now undertaken by the Universities, and to contribute towards the formation of a common policy. Each University and independent University College of England and Wales is represented by one member, generally the chief executive officer of the Extra-mural Department, and certain persons are co-opted. An Annual Report is printed giving a tabular statement of University Extension Courses and other 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. Most of these classes and courses are recognized by the Ministry of

Education for purposes of grant under the Further Education Grant Regulations, 1946.

The *National Institute of Adult Education (England and Wales)*, 35 Queen Anne Street, London, W.1, Tel : LANgham 3155 (Sec.: E. M. Hutchinson, M.A.), is defined by its constitution as a Central Body for Adult Education in which all substantial interests are nationally focussed. It is an independent and consultative body, established to advise on the liberal education of adults and to promote understanding between bodies engaged in adult education with a view to their co-operation wherever possible on matters of common interest. It convenes an annual conference and brings together representatives of associated bodies and individual members on the council 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 The Institute serves as a centre of information in regard to all aspects of adult educational work and may undertake such other functions as its council may, with the consent of the associated bodies, determine.

Membership extends both to corporate bodies and individuals. The first category includes providing bodies in receipt of grants from the Ministry of Education, national bodies directly providing an adult education service but not in receipt of grants for this work from the Ministry of Education, and such national bodies associated with adult education work, but not covered by the previous definitions, as the council of the Institute may determine. The bodies eligible for corporate membership are thus the Universities and University Colleges, the Local Education Authorities 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*, previously the journal of the British Institute.

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, the members of which are appointed by the several Universities and by one of the four University Colleges in rotation. The deliberations of this Committee now cover all subjects of common interest to Universities. Conferences of the Home Universities were held in Sept 1946, Sept. 1947, Dec. 1948, Dec. 1949 and in Dec 1950.

The Association of Universities of the British Commonwealth acts as the Secretariat of the Committee of Vice-Chancellors and Principals.

The subjects discussed by the Committee during the year 1949–50, and previous years, are to be found in the Annual Reports of the Executive Council of the former Universities Bureau, now the Association

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, 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 in the Parliament of Northern Ireland, in which the Queen's University of Belfast is represented by the following members : Mrs. Lilian I. M Calvert, B A. ; Eileen M. Hickey, B Sc., M.D., D.P.H., F.R C.P.I. ; S. T. Irwin, C.B E., B.A., M.Ch., F.R C S. ; Frederic T. Lloyd-Dodd, O B.E., M A , D Sc.

UNIVERSITY OF BIRMINGHAM

Founded 1900

VISITOR—H.M. THE KING.

CHANCELLOR—The Rt Hon ANTHONY EDEN, P.C., M.C., D.C.L., LL D.

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—Sir RAYMOND PRIESTLEY, M.C , D.L , M.A. Camb and Birm , D.Sc Melb , Hon LL.D. St And., Natal and Dalhousie.

VICE-PRINCIPAL—Professor H. F. HUMPHREYS, O.B.E , M.C., T.D., D.L., M.B., Ch.B., M D S , F D S , F S.A.

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

SECRETARY—C. G. BURTON, M.Com., F.C I.S.

LIBRARIAN—W BONSER, B A , Ph D Lond , F.L A.

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

Telephone. Registrar—Birmingham, Selly Oak 1181–6.
Secretary—Birmingham, Central 8541–4.

TEACHING STAFF

Accounting and Administration

Cousins, D., B.Com Prof.

Newman, E. J., B.A. Camb 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 Director of Dept. of Anat.

Smout, C. F. V., M.D., Ch.B. Prof.

Lecturers

Brandt, C. J. O. W., M.D. Würzburg, Ph.D. (Anat.).

Reagan, F. P., B.A. Indiana, Ph.D. Princet. (Anat.).

Krohn, P. L., B.A., B.M., B.Ch. Oxon. (Anat.).

Thomson, A P. D , M.B E , B.Sc , M.B , Ch B. Glas (Anat).

Eckstein, F. M. P , M A , M D., B.Chir. Camb. (Anat.).

Green, S. H., M.B., Ch.B. (Anat.).

Wajda, S. H., D.Phil Cracow (Anat.).

Eayrs, J. T., B.Sc. (Neuro-Anat.).

Boscott, R. J., Ph.c. Paris, B Sc. (Endocrine Chem.)

Rees, W. S., M.B., Ch.B., F.R.C.S. (Anat.) Hon. Demr.

Mandl, Anita M , B.Sc. Lond Asst. Lectr.

6 Temp. Asst. Lectrs.

Ancient History and Archæology

Tritsch, F. J., Ph.D. Heidelberg Reader.

Dauncey, K. D. M., M.A. Camb. Lectr.

Art (Fine Arts)

Bodkin, T., D.Litt. N.U.I., Litt.D. Dub., M.A , Chev. Lég. d'H. Barber Prof.
..... Hon Lectr.

Biochemistry, v. Physiol.

Botany

Stiles, W., M A., Sc.D Camb , M Sc , F L S , F R S. Mason Prof
Rees, W. J , B Sc , Ph.D. Lectr
Skelding, A. D., B Sc. Lond. Lectr.
Hickman, C. J , M Sc , Ph D. Lectr
Twyman, E S , M Sc , Ph D Lectr
Gregg, Mary, B Sc. N U I., Ph D Lond Asst Lectr
Green, P. S., B.Sc. Lond. (Taxonomy) Asst Lectr

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 , D.Sc , F R S. Prof. of Chem. in charge of Org and Biol. Chem.

Senior Lecturers

Bourne, E J., Ph D (Org. Chem.)
Bircumshaw, L. L , M A Camb , D.Sc. Lond. (Phys Chem)
Carter, S. R , D.Sc. (Phys Chem.)
Pinkard, F. W., M.Sc. Wales (Inorg. Chem.)
Gilbert, G. A., M.A., Ph D. Camb. (High Polymers and Elastomers).

Lecturers

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

I.C.I. Research Fellows

Kent, P. W , Ph D
Edwards, J. T., B Sc , Ph.D McG., D Phil Oxon.

Asst. Lecturers

Butler, K., B.Sc.
Peacocke, A R , B A., D.Phil. Oxon.
Peaker, F. W., Ph D.

Classics

Thomson, J. Oliver, O.B.E., M.A Birm. and Aberd., B.A. Camb. (Latin) Prof
Thomson, G., M.A. Birm. and Camb. (Greek) Prof.
Willetts, R. F , M.A (Gk.) Lectr.
Malcolm, D. A , M.A. Oxon and Glas. (Lat.) Lectr.
Hooker, G. T. W., M.C., M.A. Lond. (Gk. and Lat.) Lectr.
Hooker, Edna M , M.A. Lond. (Gk and Lat.) Lectr.
Papayannopoulou, Katerina (Colloquial Greek) Asst.

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

Florence, P. Sargant, M.A. Camb., Ph.D. Columb., M.Com. Prof.
Picton, J. G., M.Com. (Indust Econ.) Lectr.
Condie, R. H. B., M.A. Glas. (Econ.) Asst. Lectr.

Commercial Law

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

Dentistry, v. *infra*

Economics

Walker, G , D Litt , M A. Oxon Prof

Asst. Lecturers

Hahn, F. H., B.Sc. (Econ.) Lond
Gorman, W. M., B A. Dub
Rowan, D C , B A Brist

Economic History

Court, W. H B , M A. Camb and Harvard, M Com Prof.
Wightman, D. R , B.Sc. (Econ) Lond. Lectr.
Eversley, D. E. C , B.Sc. (Econ.) Lond. Asst Lectr

Economics and Institutions of the U.S S.R.

Baykov, A., Ph D Reader.
Koutaissoff, Elisabeth, L. ès Ss. Lausanne, B.Litt. Oxon. (Russian Lang) Asst Lectr

Education

Jeffreys, M. V. C., M A. Oxon and Birm.
Prof. and Director of Univ. Inst. of Educ.
Peel, E. A., B.Sc. Leeds, M A , Ph.D. Lond.
Prof. and Hd. of Educ Dept.
Sparrow, W. J , B.Sc., M.A.
Deputy to Hd. of Dept for Postgrad Training.
Barnett, Nora M., B.A. Lond
Deputy to Hd. of Dept for 2-yr. Training Course for Teachers.

Lecturers

Alexander, Margery B.
Austin, Frances M., B.Sc. Belf., M.Sc , F.B.Ps.S.
Brearley, Margaret, B A.
Cheetham, Grace, B.Sc. Wales.
Crofton, K
Croll, Jeane M.
Cull, E. C., B.Sc Lond.
Curr, W., M.A., Ed B. Glas
Ewing, Nancy R , M.A. Edin.
Flood, W. E., M A Camb., Ph D.
Gourlay, N., M.A , B.Sc., Ed B Glas
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
Lampard, Dorothy M , B.A. Manit., M A Chicago.
Langridge, Jacqueline.
Law, Elizabeth, B A Manc
Marshall, Elizabeth K.
Payne, Ethel R , M Sc Wales
Pearson, Nina, B Mus
Stewart, W., B A Manc.
Sturt, Mary, M.A. Oxon , Ph.D.
Thorburn, A , M A. Edin.
Tubbs, A. E , B Sc (Econ) Lond.
Van Hagan, June I
Wall, W. D , B.A Lond., Ph D.
Hood Phillips, Mrs O.
Pt -time Lectr.

Medical Officers

Bolton, R. H., B.A., B M., B.Ch. Oxon.
Bowie, J. C., M.B., Ch.B Aberd.
Asst. Med. Officer.
..... (Women Students).
(Pt -time).

Engineering, Chemical

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

Lecturers

Green, S. J., Ph.D.
Ellis, S R. M., M.Sc. N.Z.
Long, R , Ph.D. Leeds.
Nutt, C. W., Ph.D Brist.
Bransom, S. H , Ph.D. Brist.

Hall, R. T. W., B.Sc.
Norman, W. S., M.Sc. Liv., Ph.D. Lond.
Shearn, R. B., B.Sc. Asst. Lectr
Porter, C. R., Ph.D. Lond. I.C.I. Res. Fellow.

Engineering, Civil

Redshaw, S C, M.Sc Wales, Ph D Lond Beale Prof

Lecturers

Panton, R C, M A, M.A I. Dub, M.Sc.
Coultas, H. W, B.Sc Leeds, M Sc.
Veal, T H. P, B Sc Brist
Francis, A. J., M Sc.
Gregory, H R., B Sc.

Engineering, Electrical [Prof.

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

Lecturers

Jarvis, A. P, M.Sc
Hudson, J., M.Eng Liv.
Layton, J. M, B Sc. Lond, B A. Oxon
Ward, E E., B Sc
Higham, J. B., B.Sc.
Henderson, J. C., B.Sc. Durh.
Allanson, J. T., M.Sc Manc

Engineering, Mechanical

Mucklow, G F., D Sc. Manc., M.Sc. Chance Prof.

Lecturers

Ellis, S. J., M.Sc.
Sandifer, D. A. N., B.Sc. Lond., M.Sc., D.I.C.
Bannister, F. K., B.Sc. Lond. and Leeds, Ph.D.
Linning, W. A., B.Sc. Glas.
Nuttall, H., B.Sc. Manc.
Wilson, A. J., B.Sc.*
Mitchell, R. W. Stuart.
Cole, B. N., B.Sc. Lond., Ph.D.

Engineering, Principles of Production

Matthew, T. U., B.Sc. Lond., Ph.D. Camb., M.Sc. Lucas Prof

Gibson, P. B R., M.A. Camb. Lectr.
Knowles, Elsie A G, Ph.D. Jena (Industrial Statistics) Lectr.
Grisbrook, H. (Tool Eng. and Metrology) Lectr.

English

Nicoll, A, M.A. Glas, Hon D ès. L. Toulouse Head of Dept. and Prof. of English Lang. and Lit.
Ross, A. S C., M A. Oxon. and Birm. (English Lang) Prof.

Lecturers

Macfarlane, Nancy A, M A Oxon.
Shapiro, I. A., M A.
Duncan-Jones, Elsie, M A. Camb
Smith, H. A., Ph.D.
Galway, Margaret, M A Belf.
Law, Elizabeth, B A Manc
Edwards, P. W, M A
Reynolds, E, Ph D. Camb.

Asst Lecturers

Smethurst, Lilian J., M.A. Lond., B.A.
Shepherd, G T, M A Lond
Brewer, D. S., M A. Oxon

Fine Arts, v. Art

French

Mackenzie, F, M A. N.Z. and Birm., D. ès L. Paris Prof.

Lecturers

Milner, J. M., M.A Leeds.
Homer, N Rosalind, B.A.
Wood, J S, M.A Lond, D. de l'Univ. de Paris.
Tillett, Margaret G, M.A. Reading.
Hilton, Mrs Margaret, B A Oxon. Temp. Lectr.
Hathaway, E. J., B.A. Asst. Lectr.
Healey, F. G., M.A. Asst. Lectr.

Assts. in Colloquial French

Knowles, Mme.

Bourgues, Juliette
Charal, Simone
Desclaux, A.

Genetics

Mather, K., D.Sc. Lond., M.Sc., F.R S. Prof.
Wigan, L. G., B.A., B Sc Oxon. Lectr.

Geography

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

Lecturers

Thorpe, H , M A , M Litt Durh
Saward, Beatrice, B Sc. Reading.
Wise, M. J , M.C , B.A.
Warwick, G T., B.Sc. Bristol.
Johnson, B. L. C., B.A. Lond

Assistant Lecturers

Butland, G. J., B.A., Dip. Ed.
Stedman, B. A., M.B Camb

Geology and Mineralogy

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

Lecturers

Hardie, W. G., B Sc. Lond , F.G.S.
Lacy, E. D , B Sc Lond , F.G.S.
Marchant, S., B.A. Camb.
Garrett, P. A., B.Sc., F.G.S. Asst. Lectr
Strachan, I , B Sc Edin. Asst. Lectr.

German

Pascal, R., M.A. Camb. and Birm Prof
Thomas, R. H., M.A. Camb. Lectr.
Horn, J., Ph.D. Vienna Lectr.
Lockwood, W. B., B.A. Manc , M.A. Bristol Lectr

Assistant Lecturers

Prawer, S. S., B.A. Camb.
Hayes, F. C.

History, v. also Econ. Hist.

Hawgood, J. A , M.A , D.Lit. Lond., Ph D Heid , M Com (Modern History and Government) Prof
Cronne, H. A , M.A. Oxon. and Birm. (Mediæval History) Prof.
Styles, P., M.A. Oxon (English History) Reader.

Lecturers

James, B. C. L , M A. Oxon
Stephens, J. S., M.A. Camb.
Templeman, G., M.A. Lond , B A
Archer, Margaret, M A Liv , B.Litt. Oxon
Ransome, Mary, M A. Camb.
Hilton, R H., B.A., D.Phil. Oxon.
Hardy, S. M., M A. Camb , Ph.D. Lond
Johnson, D W J , B Litt Oxon

Italian

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

Jurisprudence, v. Law

Law

Phillips, O H., M.A , B.C.L. Oxon., M A , LL.B Dub , LL M. (Jurisprudence) Barber Prof.
Hargreaves, A. D , M.A., LL B Camb. (Law) Barber Prof.
Grove, G A., LL.M. Reader.
Camm, W. C , J.P. (Legal Ethics) Hon. Reader.
Unger, J., LL M. Lond (Internat. L.) Reader.
Bate, S. H., LL.B. Lectr.
Adams, D. S., LL.B., B.C.L. Oxon. Lectr.
Saxby, C. O., B.A. Oxon., F.C.A. (Trust Accounts, etc.) Lectr.

Linguistics

. . Lectr.

Malting and Brewing and Industrial Fermentation Processes

Hopkins, R H , D.Sc., F.R.I.C. Adrian Brown Prof.
Norris, F. W., Ph D. Lond., D.Sc , F.R.I.C. Lectr.
Rainbow, C., Ph.D. Lectr.
Kulka, D , Ph.D. Vienna Lectr

Mathematics, Pure

Watson, G. N., Sc D. Camb. and Dub , D Sc. Lond., Hon. LL.D. Edin., M Sc., F R.S , F.R A S Mason Prof.

Lecturers

Colomb, Ruby E., M A. Lond.
Calderwood, Nora I., M.A., B.Sc., Ph D. Edin.
Kuttner, B , M.A., Ph.D. Camb.
Wardle, K L , M A. Camb.

Mathematical Physics

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

Lecturers

Kynch, G J., Ph D. Lond.
Krook, M , B.Sc. Rand, Ph D Camb.
McManus, H., Ph.D.

Research Fellows

Dalitz, R. H , B.A. Melb.
Lindhard, J.
Swiatecki, W. J., B.Sc Lond.

Medicine, v. *infra*

Metallurgy

Hanson, D., D.Sc. Liv., M.Sc. Feeney Prof. and Director of the Combined Depts. of Physical, Theoret and Industr. Metall.

Metallurgy, Physical and Theoretical

Hanson, D., D.Sc. Liv., M.Sc. Feeney Prof.
Raynor, G. V., D.Phil., M.A., D.Sc. Oxon , B.Sc. (Metal Physics) Prof.
Cottrell, A. H., B.Sc., Ph.D. (Physical Met.) Prof.

Lecturers

Wright, T , Ph D. Sheff , M.Sc.
Hall, W H , B A. Camb.
Ko, T., B.Sc. Nat. Wuhan Univ., Ph.D.
Nabarro, F. R N , M.A , B Sc. Oxon
Varley, J. H O , B Sc Asst.

Research Fellows (Theoretical Metall.)

Bilby, B A., B A Camb.
Wakeman, D. W., B.Sc., Ph.D.
Pell-Walpole, W. T , Ph.D., D.Sc. I.C.I. Res Fellow.

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

Research Fellows

Rostoker, W., M.A Sc Tor., Ph.D.
Dodd, R. A., M.Sc. Lond. (Indust. Metall.)
Aitchison, L., D.Met. Sheff., B.Sc. Lond , F.R.I.C., F R.Ae.S. Hon. Res. Fellow.

Mining (Coal and Metal)

Ward, S. G., M.Sc. Lond. and Birm., Ph.D. Lond., D.I.C., F.I.F. Prof.
Hancock, W., M.Sc., Ph.D., F.G.S. (Mine Rescue) Lectr. and Demr.
Graham, J. K. L. (Metal M.) Lectr.

Cheetham, W. R., B.Sc. (Coal Mining) Lectr.
Watson, W. B., B.Sc Lectr.
Whitmore, R L., Ph D (Coal Treatment) Lectr
Hatherly, G. L., B Sc Leeds (Metalliferous Mining) Lectr.
Burrows, B B. B., B Sc. (Mine Surveying and Mining) Lectr

Music

Lewis, A. C., M A Camb. and Birm., Mus.B Camb Peyton and Barber Prof
Pearson, Nina, B Mus Lectr.
Parrott, H. I , M A., D.Mus. Oxon. Lectr
Mulgan, D., B A , B Mus. Oxon. Asst Lectr

Philosophy, Mental and Moral

..... Prof
Duncan-Jones, A. E., M.A. Camb., Ph.D. Lectr
Whiteley, C. H , M A Oxon. Lectr
McCracken, D J , M.A. Oxon. and Belf , Ph D. Belf. Lectr
Mayo, B , M A Oxon. Asst Lectr

Physics

Moon, P. B , M.A , Ph.D Camb , M Sc., F R S Poynting Prof. and Head of Department.
..... (Physics) Prof
Sayers, J., M.Sc. Belf. and Birm , Ph.D. Camb. (Electron Physics) Prof
Johnson, M. C., M.A. Camb., D.Sc., F.R.A.S. (Astrophysics) Reader.

Lecturers

Ibbs, T. L., D.Sc., F.Inst.P.
Dee, A. A., B.Sc. Lond., D I.C. Lond.
MacFadyen, K. A , M.Sc Lond., F.Inst.P.
Knight, R. H., M.Sc.
Fremlin, J. H , M.A., Ph.D Camb., F I P
Robin, G. de Q., M.Sc. Melb.
Marshall, D. G., B.Sc.
Ramm, C. A , M.Sc. W Aust.
Walker, J , B Sc., Ph.D.
Garlick, G. F J , Ph D , F.I P

Asst Lecturers

Wilson, R. S , B A Camb , Ph.D. Liv.
Walters, Madeleine C , B Sc
Ward, A H., B.Sc.

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

Lecturers

Beznak, A. B. L., M D. Budapest (Physiol.).
Meyerstein, W., M.D. Munich (Physiol)
Nutt, Marjorie E., B.Sc. Lond., Ph.D. (Physiol).
Whitfield, I. C., Ph.D., B.Sc. Lond. (Physiol.).
Darke, Sylvia J., B.Sc. Lond. (Physiol.).
Asher, H. M. F., B.A. Camb. (Physiol.).
Hall, Kathleen, Ph.D , B.Sc. Wales (Histol.).
Bray, H. G., Ph.D., B.Sc. (Bio-Chem.).
James, Sybil P., Ph.D., B.Sc. (Bio-Chem.).

Jackson, Doreen M., B.Sc. (Physiol.) Asst. Lectr.
Lake, H. J , M.Sc. (Bio-Chem.) Asst. Lectr.
Thomas, G , M.Sc. Manc., F.R.I.C. (Clin. Bio-Chem.) Hon. Lectr.
Armitage, G. H , M.B., Ch B Edin (App. Physiol) Tutor.

Russian

..... Prof
Arian, Inna, D Phil. Prague Lectr.
English, Ruth, B.A. Lond Asst. Lectr
Pascal, F , D Phil Berlin Pt -time Lectr

Social Study

Hawgood, Prof J. A., M A , D.Lit. Lond., Ph.D Heidelberg, M Com Director
Lewis, Mrs. Barbara E., B.A. Lectr
Cavenagh, Mrs. W. E., B Sc (Econ), D P A Lond (Practical Work) Lectr and Tutor.
Salzberger, Isca R , B.Com. Asst Lectr

Sociology

Cohen, H Visiting Lectr

Spanish

Manson, J , M.A , Ph.D. Edin. Lectr and Head of Dept
Atkinson, Dorothy M., M.A. Sheff. Lectr
Gibbs, J , B.A., B.Litt. Oxon. Lectr.
Lora, J. Garcia, M.A. Lectr.
Cortejoso, Luis Asst. in Colloquial Spanish.

Theology

Sparks, Rev. H. F. D., M.A. Oxon. and Birm., D.D. Oxon. Edward Cadbury Prof.
Davies, Rev. J. G., M.A., B.D. Oxon. Asst. Lectr.

Recognized Lectrs.

Howard, Rev. W. F., M.A. Manc., D D Lond., Hon. D.D. St. And and Manc , F.B.A
Cobham, Rev. J. O., M.A. Camb.
Robinson, Rev. W , M.A. Dub., B Sc. Liv., D D Drake Univ., Iowa.
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
Fuller, Rev. R H., M.A. Camb
Hanson, Rev R. P. C., B.A., B.D. Dub
Herbert, Rev. A. S., M.A. Oxon , B D. Lond
Watson, Rev. P. S., M.A. Durh. and Camb

Zoology and Comp. Anatomy

Medawar, P. B , M.A., D.Sc. Oxon., M Sc , F L S , F R S Mason Prof.
Edney, E B , Ph D Lond , B Sc. S A., D.I C (Entomol.) Reader.
Roberts, J. I., D.Sc Wales Lectr.
Yapp, W. B., M.A. Oxon. Lectr.

Assistant Lecturers

Finlayson, L H , B.Sc. Glas., Ph D
Billingham, R. E., M A., D.Phil. Oxon.
Gibson, R. J , B Sc.

Medicine

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

Dean:—Emeritus Prof. Sir Leonard G. Parsons, M.D. Lond. and Birm., F.R.S., F.R.C.P., F R C.O.G , F.F R.
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. and Clin. Lectr.

Univ. Clin. Lecturers

Clarke, L. T., B Sc., M B , Ch B., F F A., D.A
Crosskey, J H , M C., M B., Ch B , D.P.H Camb.
Murtagh, B. L. S., M B., Ch.B , F.F A R C S , D.A.
Sanders, Doris M , M.B , Ch B., D.A.
Green, Marion W. S., M.B., Ch.B , D.A.
Rawlins, G. A., D S.C., M.B , Ch.B , D.A.

Bacteriology

Shrewsbury, J. F D., M D., Ch.B. Liv., M.D., D P.H Prof.
Laughton, Nancy, M.D., Ch.B., D P.H. Lectr.
Bisset, K. A., B.Sc., Ph.D. Edin. Lectr.
Iland, C. N., M.B., Ch.B Liv., D.C.P. Lond. Lectr.
Moore, F. W , B.Sc. Durh. Lectr
Taylor, C. W., M.B., Ch.B. Pt.-time Lectr.
Peeney, A. L. P. Hon Lectr.
Baines, S., B.Sc. Leeds Asst. Lectr.
Palmer, F. P. Demr.

Ear, Nose and Throat, Diseases of

Moffett, A. J., M.B., Ch.B., F.R.C.S.
Lectr. and Clin. Lectr.

Univ. Clin. Lecturers

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

Forensic M. and Toxicology

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

Infectious Diseases

McGarrity, J., M D., D.P H Edin 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.
Norris, Vera, M B., Ch B St. And. Sr. Stat. Officer.
..... (Med. Stat.) Lectr.
Waterhouse, J. A. H., M.A. Camb., Ph.D
(Human Genetics) Lectr.
Padley, R., Ph D. Edin., B.Com Pt.-time Lectr.
Johnstone, Muriel M., M.A. St. And., Ph D Edin.
Officer-in-Charge of Records.
Kemp, K. W., B Sc.
(Vital Statist.) Asst. Lectr.

Medicine

Arnott, W. M., T D., B.Sc. Edin., M.D. Edin and Birm., F.R.C P.Ed.
William Withering Prof.
Cooke, W. T., M.A., M.D. Camb., F.R.C.P.
Reader and First Asst.
..... Reader.
Crooke, A. C., M.A., M.D. Camb.
Reader.
Bulmer, E., C.B.E , M.D. Edin., F.R.C.P., F.R.C.P.Ed.
Lectr. and Clin. Lectr.
Armitage, G, H., M.B., Ch.B. Edin, Lectr.

McGarrity, J., M.D., D.P.H. Edin. (Infectious Dis.) Lectr.
Whitfield, A. G. W., M.B., Ch.B. Lectr. and Clin. Lectr.

Univ. Clin. Lecturers

Ash, E. B, M B, Ch.B. (Dermatol.)
Assinder, E. W., Ch.B., M.D. (Venereal Disease).
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.
Hardy, Prof. T. L., M.A., M.D. Camb. and Birm., F.R.C P.
Humphreys, D. R., M.D.
Knight, G H, Ch B., M D. (Venereal Disease)
Malins, J. M, M.B., Ch.B.
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.B., Ch.B., F R.C.P
St. Johnston, C. R., M.D.
Tate, B C, 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.B., Ch.B.
Wilkinson, Emer. Prof. K. D., O.B.E., M.D, F.R.C.P.
Williams, G. E. O, M.D. Liv.

Neurological Studies

Cloake, P. C. P., B.Sc., M.D. Lond. and Birm., D.P.M., D.P.H. Camb., F.R C.P (Neurology). Prof.
Hughes, E. Brodie, M.B., B.S Lond., Ch.M., F.R.C.S. (Neurosurgery) Prof.
Jefferson, J. M., M.A., B.Sc., B.M., B.Ch. Oxon. Lectr. and First Asst.
Hall, G. S., M.D., F.R.C.P. (Neurol.) Lectr. and Clin. Lectr.
O'Reilly, J. J., M.B., Ch.B. Belf., D.P.M. Lond (Psychiatry) Lectr. and Clin. Lectr.
Small, J. M, F R C.S. (Neurosurgery) Clin. Lectr.

Obstetrics and Gynæcology

Lloyd, Hilda N., B.Sc., M B., Ch.B., F.R.C.S., P.R.C.O.G. Prof.
McLaren, Hugh C, M.B., Ch.B., M D. Glas, F R C S.Ed., F.R.F.P.S. Reader and First Asst.
Barnie-Adshead, W. E., B.Sc., M B., Ch.B., F.R.C S. Eng. and Ed., F.R.C.O.G. Lectr. and Clin. Lectr.
Loxton, S. D, M B., Ch B Brist., F R C S. Lectr.
Tait, F. Selby, M.B., Ch.B., F.R.C.S. Asst. Lectr. and Clin Lectr.
Davidson, S., A.F.C., M.B., Ch.B. Edin., F.R.C.S.Ed. Asst Lectr. and Clin. Lectr.
Taylor, C W, M.B., Ch B. (Gynæcol. Pathol) Demr.

Univ. Clin. Lecturers

Dobbie, Beatrice, M.A., M.B., B.Ch. Camb, F R C.S., D.M.R.E.
Dougray, T., M.B., Ch.B. Glas.
Ganner, P J., B.S. Lond., F.R.C.S.
Maslen-Jones, S. W., M S. Lond, F.R.C.S, F R.C.O.G.
McMillan, K., F.R.C.S., F.R.C.O.G.
Shotton, D. Margaret, M.B., Ch.B. Brist.
Taylor, W. A., M.D. Dub., F.R.C.S.I., F.R.C.O.G.
Mills, W. G., M.B., Ch.B., F.R.C.S.

Ophthalmology

Rudd, C., M.B., Ch.B., F.R.F.P.S.Glas., D.O.M.S. Lectr. and Clin. Lectr.

Univ. Clin. Lecturers

Archer-Hall, H. W., D.O. Oxon.

Alabaster, E B., F R C.S., D.O Oxon.
Butler, R. D. W., B.A. Camb., D.O.M S.
Douglas, A. A , B.Sc , M D St And., F.R.C.S.Ed., D.P.H. St. And.
Evans, P. J , M A , B Ch , M D. Camb , F.R C.S., D.O.M.S.

Pædiatrics and Child Health

Smellie, J. M , O B.E , 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. Reader
. . . . . Lectr. and First Asst.
Crosse, V. Mary, O.B.E., M.D Lond., D P H. Lectr
Smallwood, W. C , M B , Ch.B , F R C P Lectr and Clin Lectr.
Gerrard, J. W., B.A., B.M., B.Ch. Oxon. Lectr.
Earl, C. J. C , F.R C.P.I., D.P M. (Mental Deficiency) Lectr.
Burns, C L C , D P M (Child Guidance) Lectr

Univ. Clin. Lecturers

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.

Pathology

Squire, J. R., M.A. Camb., M D. Camb. and Birm , F R C.P. (Experimental Path) Leith Prof and Dir. of Dept. of Path.
Orr, J. W., B.Sc., M D., D.P.H. Belf., M.D., F.R.C.P. (Path) Prof
Gell, P. G. H., B.A., M.B , B.Chir. Camb. (Exper. Path.) Reader.
Symmers, W. St. C., M.D. Belf. Sr. Lectr.
Walton, K , M D Lond Lectr.
Brewer, D. B., M.D., B.S Lond. Lectr.
Stafford, J. L , M.B., Ch.B. Lectr.
Jackson, J. G., M.B., B.Ch. Lectr.
Taylor, C W , M B., Ch B Lectr.
Woodhouse, D L., Ph D , M Sc , F R I C (Cancer Res.) Lectr and Sr Res Fellow in Chem Path
Lasnitski, A., M Sc , M D. Berlin (Cancer Res.) Sr. Research Fellow in Bio-Chem.

Univ. Clin. Lecturers

Baar, H , M.D. Vienna and Birm.
Peeney, A. L P
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.

Pharmacology and Therapeutics

Frazer, A C , D Sc Lond , M D (Pharm.) Prof.
Thomson, A. P., M C., M.D , F.R.C.P. (Therapeutics) Prof
Elkes, J. J., M.D., M B , Ch B Lectr
Chance, M. R A., B Sc Lond , Ph D Lectr.
Marshall, P. B., B.Pharm, B.Sc., Ph.D. Lond. Lectr.
Pethica, B. A., B.Sc. Lectr.
Sammons, H. G., B.Sc., Ph D. Lectr.
Teall, C. G., M.D , F.F.R. Dir. of Hosp. Dept. of Physical Therapy.
Bromley, J. F., O.B E., M B., Ch.B. Manc., F.F.R. Dir. of Hosp. Dept. of Radio-Therapeutics.

Radiology

Black, Harold, M.D., D.P.H. Belf., F.R.C.P., F.F.R. Lectr. and Clin. Lectr.

Univ. Clin. Lecturers

Brailsford, J. F., M.D, Ph.D., F R C.P.

Bromley, J. F., O.B.E., M.B., Ch.B. Manc., F F.R.

Morrison, R., M.B, Ch.B. Edin., F R C S Ed

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

Social Medicine

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

Charles, Enid, M.A. Camb., Ph.D. Cape T (Demography and Vital Stat.) Reader.

Lecturers (Public Health)

Paul, H, M.D Belf., D.P.H

Martine, W R, O.B E, T.D., M D. Edin., D P H.

Lowe, C. R., M.B, Ch.B., D.P.H.

Lecturers (Occupational Health)

Lloyd, W. J., M.A., M.B., B.Chir. Camb.

Marr, N. G., M.B., Ch.B. Aberd.

Lecturers (Soc. Med.)

Record, R. G., M.B, Ch.B, D P.H.

Gibson, J. R, M.B., Ch.B Glas., D.P.H

Geddes, J. E., M.D. Glas. (Tuberculosis) Lectr.

Surgery

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

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

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

d'Abreu, A. L., O.B.E., Ch.M., F.R.C.S. Lectr. and Clin. Lectr.

Welsh, F., B.Sc., Ch.B., F.R.C.S. Lectr. and Clin. Lectr.

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

Collis, J. L., B.Sc., M.D., F.R.C.S. Asst. Lectr. and Clin Lectr.

Baines, G. H., M.A., M.B, B.Chir. Camb., F.R C.S Asst. Lectr. and Clin. Lectr.

Innes, A., M B.E., M.A., B.Chir. Camb., F.R.C.S. (Minor Operative Surgery) Lectr. and Clin Lectr.

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

Univ. Clin. Lecturers

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

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

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.Ch. Camb., F.R.C.S.

Rose, B. T., B.Sc., Ch.M., F.R.C.S., F.R.C.S.Ed.

Sampson, H. H., O.B.E., M.C, M.B., Ch.B., F.R.C S.

Stuart, F. W., M.D., Ch.M. Aberd.

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

Dentistry

Humphreys, H. F., O.B.E., M.C. T.D., D.L., M.B., Ch.B., M.D.S., F.D.S, F S A., Director of Dental Studies (D. Surg.) Prof.

Osborne, J., Ph.D. Sheff., L.D.S. (D. Prosthetics) Prof.

Manley, E B., M Sc Manc., B.D.S., F.D.S.
(Dental Path.) Prof.

Lecturers

Tavenner, R. W. H., B.D.S
(Operative D. Surg.)
Hardwick, J L., M D S.
(Operative D. Surg.).
Smith, R J., B.D S.
(Operative D. Surg).
Fox, E. C., M.D. Vienna
(Operative D Surg.)
Kirby, J., L.D S.
(Operative D. Surg.)
Wright, T. J., B D S.
(Operative D Surg.).
Champion, Mavis A., B.D.Sc. Q'ld.
(Operative D. Surg.) Clin.
Heighway, H. E., B D S
(Operative D. Surg.)
Day, A. J. W., B.D.S., H.D.D. Edin.
(Orthod.).
Davis, Muriel E H, L.D.S
(Orthod.)
Anderson, J., B.D S.
(D. Prosthetics).
Lammie, G. A., B.Sc., H.D.D. Edin
(D. Prosthetics).
Roper-Hall, H. T., M B., Ch.B., M D S., F.D S.
(D. Admin. and Practice).
Baines, G. H., M.A., M.B., B.Chir. Camb., F.R.C.S.
(Surg. for D. Students).
Reagan, F. P., B.A. Indiana, Ph.D. Princet
(Anat. for D. Students).
Whitfield, I. C., Ph.D., B.Sc. Lond.
(Phys. for D. Students).
James, W. Warwick, O.B.E., M.Ch., F.R.C.S., F.D.S.
Hon. Research Fellow and Hon. Member of Staff

Clinical Lecturers at Dental Hospital

Hon. Dental Surgeons

Austin, N. A., L.D.S.
Bowen, G. H., B.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., H.D.D

Hon. Radiologist

Meek, H. M., L D S.

General Anæsthetics

Quinet, Doris E., M.B., Ch.B., B.Sc

Huxley Lecturer

1949—(Not given).

Muirhead Lecturer

1949—(Not given).

Poynting Lecturer

1949—(Not given).

William Withering Lecturer

1949—Professor E B Verney, M.A., F R S., F R.C.P.

Ingleby Lecturer

1949—C D. Read.

Edward Cadbury Lecturer in Theology

1949—Prof. Canon S L Greenslade, M.A.

Sir Josiah Mason Lecturer

1949—Dr. Margaret Mead.

Extra-mural Department

Director of Extra-mural Studies and Secretary of the Board of Adult Education, D. R. Dudley, M A.; Senior Staff Tutor, R. T. Rundle Clark, M.A.; 20 other Full-time Tutors.

Institute of Education

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

Administration

Barnett, Nora M , B A. Lond.
Warden Tutor of the Inst.
Berry, W. A. C., M.A. Oxon
Staff Officer.
McGuffie, T. H , M A. Lond.
Area Officer
Saunders, W L , B A Camb.
Librarian

Research Department

Peel, E. A , B.Sc. Leeds, Ph D., M A. Lond
Prof. of Educn , Hd of Dept. and of the Remedial Educn. Centre
Wall, W D , B.A. Lond , Ph D.
Deputy-Hd of the Remedial Educn Centre
Brearley, Margaret, B.A
Curr, W , M A , Ed B Glas.
Gourlay, N , M.A , B Sc , Ed B Glas
Lampard, Dorothy M., B.A. Manit., M.A. Chicago.
Wills, Mrs. V. W , Social Science Dipl.

Research Fellows

Burroughs, G. E. R , B Sc. Lond.
Evans, E G S , M A N Z.
Bowden, Jean S , B A Syd , B Ed. Melb

Physical Education

Munrow, A D , B Sc Lond.
Director

Lecturers

Hayley, H. W. B., B.Sc. Lond.
McIntosh, P. C., B.A. Oxon
Madders, M A
Pasalich, Marie D., M.A. N.Z

Asst. Lecturers

Crowther, Mrs. Bertha
Knapp, Barbara N., M.Com.

ADMINISTRATIVE OFFICERS

REGISTRAR'S DEPARTMENT. Asst. Registrars . R J. Goode, M.A., LL.B. Camb., Jessie Brake, M.Com., J. Hodgkinson, M.A. Oxon., C. Snead (at the Medical School) ; Publications Officer : W. P. Brooks.

SECRETARY'S DEPARTMENT. Deputy Sec · G. L. Barnes; Asst. Sec. : P. R. Burton, M.C ; Accountant . W. D. Twist

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

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

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

GUILD OF UNDERGRADUATES. Warden : Alderman John C. Burman, J.P. ; Pres. : R. Galer ; Permanent Sec. : R. T. Jones.

HALLS OF RESIDENCE. University House (Women Students), Warden : Janet Carpenter, M.A. Oxon. ; Chancellor's Hall (Men Students), Warden : P. C. Hordern, A.F.C., M.A. Oxon.

UNIV. TRAINING CORPS (T.A.). Commanding Officer : Major P. R. Burton, M.C.

UNIV. AIR SQUADRON. Commanding Officer : Sqn. Ldr. J. A. C. Aiken.

AFFILIATED INSTITUTIONS

THE CITY OF BIRMINGHAM COMMERCIAL COLLEGE. Students may attend classes in the College and pass the examns. prescribed for the degree of B.Com.

at the end of the First Year's Courses without attendance at the Univ. Full-time attendance at Univ. Classes is required during the subsequent two sessions leading to the completion of the requirements for the Degree.

GENERAL INFORMATION

The Univ., formerly the Mason College founded by Sir Josiah Mason in 1880, was incorporated by Royal Charter in 1900. The Charter prescribes **instruction in all branches of a liberal education, and such instruction especially as may be of service in the manufactures, commerce and industrial pursuits** of the Midlands. The Facs. of Arts and Law are still housed in the buildings of Mason Coll. in the centre of the city; the Facs. of Science and Commerce and Social Science are in the main Univ. buildings at Edgbaston, opened in 1909. The Fac. of Medicine is housed in the Medical School on the Hospitals Centre site at Edgbaston, opened in July 1938.

FACULTIES: Arts, Commerce and Social Sci., Law, Science, Medicine. Deans: Rev. Prof. Sparks, Prof. P. Sargant Florence, Prof. Hood Phillips, Prof. P. B. Medawar, Sir Leonard G. Parsons.

Institute of Education (including Dept. of Educn.), Depts. of Malting and Brewing and other Industrial Fermentation Processes; Soc. Study. Connected with the Medical Fac. is a School of Dental Surgery and a Dept. of Soc. Medicine.

LIBRARY, about 360,000 vols. *Special Collections*: A large collection of Scientific, Medical and other Periodicals: Books on Neoplatonism, Ruskin, Grillparzer, Plautus and Terence, John Humphreys (History and Local Archæol.), J. H. Poynting (Early Works on Physics), James Ward (Philos.), J. H. Muirhead (Philos.), Sir Oliver Lodge (Physics, Theology, etc.), Hensleigh Wedgwood (Philol.). Sargant, rich in French econ. literature of *circa* 1830–60; Jesse Collings, some 350 books on agric. and land problems; Bunce, rich in nineteenth-century biography; Corbett, Holliday, art and archæol.; large collection of musical works. MUSEUMS: Anat., Dent, Geol., Zool., Mining, Herbarium (Bot.), Path., Physiol.

LABORATORIES: Chemical (special organic, phys., electro-chem., analytical and pub. health depts.); Physics (including Electron Physics), Biol., Genetics, Engin. (including Electrical, Mechanical, Production, Civil and Chemical), Metall. (Physical and Theoret. and Industrial), Mining (exceptionally well equipped, expl. coal-mine), Brewing; Power-station supplying whole Univ. with lighting, heat and power; Bio-Chem.; Anat.; Physiol.; Pathol.; Cancer Research; Pharmacol.; Bacteriol. A small OBSERVATORY is attached to the dept. of Physics. HOSPITALS recognized for Clin. instruction—United Birmingham Hospitals (General, Queen Elizabeth, Birmingham and Midland Hospitals for Women, Children's, Nerve and Dental) and ten other hospitals, for special teaching, under the control of the Birmingham Regional Hospital Board.

ADMISSION. *See* Appendix I.

DEGREES. B.A., B.Mus., B.D., M.A., M.Mus., D.Litt., D.Mus.; B.Sc. (in pure Science; in Engineering—Mech., Civ., Elec., Chemical, Petroleum; in Industrial Fermentation; in Metall.—Phys. and Theoret. and Ind.; 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., also B.Com. (Soc. Study); B.Com. (Economics, Politics and Sociology); B.Com. (Geography); B.Com. with Specialization in Russian Studies, B.Com. for Qualified Science Students, M.Com.; 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. (v. p. 16), 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., Engl., French, German, Italian, Russian, Spanish, Hist.; Philos., Maths., Geog., Econ., Theol.; Linguistics. Honours are also awarded in the General B.A. Examn., where sufficient merit is shown (*see* p. 7).

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 passed or obtained exemption from the Intermediate Arts Examination (in which Music has been passed as a Principal Subject), and must satisfy the Prof. of Music that they have an adequate power of performance on some musical instrument.

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., Bact., Geol., Geog., Geol. with Geog., combined course in Anat. and Physiol. 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 Industrial Fermentation 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.

Med. students may spend their first 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.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., D.Sc. 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; B.D., 2 years after the corresponding Bachelor's 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; *Dentistry*, 6 yrs.; *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.

CERTIFICATES. Teachers (1-yr and 2-yr. courses), Malting and Brewing (2 yrs.), Malting (2 yrs.), Industrial Nursing—1-yr. course arranged jointly by the Birmingham Accident Hospital and the University; Social Study, 2 yrs., for non-graduates; Child Service—1-yr. course to train suitably qualified persons as children's officers and their assts.

RESEARCH. A joint standing committee of Senate and Council co-ordinates esearch work in all faculties, formulates policies of research, obtains funds and co-operates with Govt. agencies and external bodies There is a special committee for research in Cancer

FEES. Matricn., £2. *Total Inclusive Fees payable for following Bachelors' Degrees, Diplomas and Certificates: For Bachelors' Degrees, including Intermediate or First-Yr. Course—B.A. or B.Mus., £136; B.D. (2 yrs.' graduate course), £56; B.Sc. (Pure Sci.), £102-£129; B.Sc. Appl. Sci. (Engin., Metall., Mining, Chem. Engin.), £231; Indust. Fermentation, £163; M.B., Ch.B., £270; B.D.S., £355; B.Com., £121 : 10s.; B.Com. (Soc. Study), £106; B.Com. for qualified Science Students, £149; LL.B., £54. For Diplomas and Certificates—Diploma in Engin. Production and Management Principles, £70; L.D.S., £325; Diploma in Public Health, including Certif., £67 : 4s., excluding Certif., £45 : 17s.; Certif. in Public Health, £26 : 12s.; Certif. in Educn., 1-yr. course, £43, 2 yrs.' course, £73 : 8s.; Diploma in Psychol. of Childhood, £43; Postgraduate Diploma in Educational Psychol., £55; Diploma in Theol. (Separate Class Fees); Joint Coal Mining Diploma, £70; Diploma in Malting and Brewing, £135; Postgraduate Diploma in Malting and Brewing, £45; Certif. in Malting and Brewing, £90; Certif. in Malting, £90; Graduates' Commerce Diploma, £34; Diploma in Public Administration, £34; Social Study Diploma or Certificate (Separate Class Fees); Laboratory Research Fees—these vary according to subjects taken.

POSTGRADUATE AND RESEARCH SCHOLARSHIPS. 6 open to all Faculties; 30 in Sci.; 12 in Arts (1 of them reserved for Music); 2 in Com.; 3 in Law; also a Travelling Studentship (£300 for 1 yr.) biennially for research in Path.; 1 (£90) annually in one of the Facs. of Med., Com. or Law. Some of these are open to graduates of other Univs., but preference is always given to Birmingham graduates. There are also a number of open Fellowships and Research Studentships.

RESIDENCE. For women there is a Hall of Residence—Univ. House (Warden: Janet Carpenter, M.A.), Edgbaston Park Rd. (150 students), with grounds of 3½ acres. For men—Chancellor's Hall (Warden: P. C. Hordern, A.F.C., M.A.), Augustus Road, Edgbaston (96 students), with grounds of 7 acres. Fees: Women, 80 guineas to 95 guineas per session; Men, from £2 : 17 : 6 to £3 : 3s. a week during full term.

* 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.

APPOINTMENTS BOARD. Sec., P. C. Hordern, A.F.C., M.A., The University, Edmund Street, Birmingham; Asst. Sec., B. W. Pearson, B.A. Oxon.

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 BOARD OF ADULT EDUCATION. The Board supervises all the extra-mural work of the Univ. Public Lectures, Univ. Extension Courses, Tutorial and Sessional Classes are held in Birmingham and at Centres throughout the West Midlands. There is a Joint Committee for work with the Workers' Educational Association. Services education comes within the scope of the Board's work and is organized through the Univ. of Birmingham Cttee. for Educn. in H.M. Forces

INSTITUTE OF EDUCATION The Inst. exists primarily to co-ordinate the training of teachers in the W. Midland area, and to recommend to the Ministry of Educn. for qualification those students who have satisfactorily completed their training. A Certificate in Educn. is granted to students in postgraduate and non-graduate courses.

The governing body of the Inst. is the Delegacy which is responsible to Senate. In the area served by the Inst there are 16 Local Educn. Authorities employing 20,000 teachers and maintaining half-a-million children in 3000 schools. The Inst.'s headquarters are at Institute House, 50 Wellington Road, Edgbaston, Birmingham, 15.

PUBLICATIONS. *Calendar* (Oct.), Faculty and Departmental syllabuses and pamphlets, Regulations for Higher Degrees and Postgraduate Diplomas (during the Summer Term); *Report of University Research Committee*, including a bibliography of the research work published during the session (Feb.); The *University of Birmingham Gazette* (monthly); *Educational Review* (each term); *English and Germanic Studies*; The *Mermaid*; *Queen's Medical Magazine*; *Historical Journal*; *Shakespeare Survey*; Scholarship Pamphlet.

THE YEAR 1948–49

BENEFACTIONS. The following are the chief items: For general purposes—Estate of Sir Charles Hyde, decd., £2500; Inst. of Chartered Accountants, £200; for Scholps.—Estate of Mrs. M. I Barwell, decd, £9077; Estate of Francis Fletcher, decd., £6023; I.C.I. Ltd., £4800*; J. Brockhouse & Co. Ltd., £4550*; Tube Investments, Ltd., £3000*; Wrights Ropes Ltd., £814*; A. C Wickman Ltd., £750*; Anglo-American Oil Co. Ltd., £650*; Austin Motor Co. Ltd., £600*; Bakelite, Ltd., £500. For Library—Estate of Sir C. G. Robertson, decd., £500. For Research—Nuffield Foundation, £5000; Estate of Caroline Harrold, decd., £2222; Rationalist Press Assocn., £300*. For Fellowships in Literature—Rockefeller Foundation, £1860. For Postgraduate Travelling Studentship in Surgery—Anonymous, £1714*. For Fellowship—Tube Investments, Ltd., £1500*. For Chair of Social Med.—Nuffield Provincial Hospitals Trust, £1500. For Student Maintenance—(Dept. of Engin. Production), Sir Peter F. Bennett, £1430* For Shakespeare Publications—Rockefeller Foundation, £596. For Devel. of Grounds—Estate of T. G. Marsh, decd., £500. For Coal Utilization—Simon Carves, Ltd., £328*. For New Hostel—Estate of Edith Harrold, decd., £233. For Dept. of

* Instalment under Deed of Covenant.

Geography—W. A. Cadbury Trust, £200. A number of smaller donations were also received.

NEW BUILDINGS. Govt. restrictions on bldg. prevented the start of work on the new Arts Bldg. on the Edgbaston site, but considerable progress was made with the plans and a tender accepted for excavations for the foundations of the Bldg. Good progress was made with the new labs. for Mech. and Electr. Engin. Work began on the new Heating Chamber, the additional labs. for Industr. Metall. and extensions to the Students' Union.

NEW DEPARTMENTS AND POSTS. Professorships in Physical Met., Metal Physics and Dental Path. Readerships in Chem. Eng., Astro-Physics, Renal Physiol., Palæontol. and Internat Law. Lectureships in Chem. (2), Mech. Eng. (1), Electr Eng. (3), Chem Eng (2), Physical and Theoretical Met (2), Physiol (1), Path. (2), Pædiatrics (1), Obstetrics and Gynæcol. (1), Social Med. (1); Research Fellowships in Math. Physics (2), Educn. (1), Med. Stat. (1), Medicine (1), Pharm. (1), Dentistry (1); Asst. Lectureships in Physics (4), Chem. (1), Geol. (1), Chem. Eng. (1), History (1), Engl. (1), Phys. Educn. (2), Educn. (1), French (3), Geog. (1), Bacteriol. (1), Anat. (2), Physiol. (1), Med. Statistics (1), Econ. (4), Sociol. (1), Obstet. and Gynæcol. (1). Other Appts.: Inst. of Educn. (Area Officer); Extra-mural Dept. (2 Tutors); Dept. of Neurol. (First Asst.); Dept. of Pharm. (1 Clin. Asst.); Asst. Registrar at Medical School.

OTHER DEVELOPMENTS. (*a*) *Liberal Education:* A scheme of Liberal Educn. has been inaugurated, to commence in the Autumn Term, 1950; its purpose being to provide students with an opportunity of studying a wider field of subjects than is covered in their academic courses. A Cttee. has been formed to arrange lectures, concerts, discussions, etc., which will be held in the early afternoon on one day a week in the Autumn and Spring Terms; Univ. Lectures and classes on these days will commence at 3 P.M. instead of 2 P.M. (*b*) The Univ. 2-Yr. Training Dept. for Teachers is to be closed down at the end of the session 1950–51. (*c*) A Univ. Staff House is shortly to be opened: "Westmere," Edgbaston Park Road, Edgbaston, is under reconstruction for this purpose.

CHANGES IN REGULATIONS. (*a*) Science: Course for Hons. B.Sc. degree in Genetics instituted. (*b*) Medicine: Following the 3-months introductory clin. course in Med. and Surgery, Obstetrics, Pædiatrics, Pharmacol., Pathol. and Social Med., the teaching in these subjects is now spread over the whole of the 3 clin. yrs., and these subjects are all included in the Final examn. This examn. has been divided into three parts, the first of which can be taken 12 mos. before the other two. There is now only one examn. between that in Anat. and Physiol. and the Final examn. Boards of Examiners have been formed for the Final examn. Regulations governing the clin. yrs. of the Dental course were revised and put into operation as from Oct. 1, 1949. (*c*) Fees payable by candidates on submission of work for degrees of D.Sc., D.Litt., D.Mus., M.D., Ch.M. and LL.D. increased from £12 : 10s. to £25. (*d*) War degree regns. rescinded in respect of students leaving the Univ. in and after July 1949.

EXTRA-MURAL WORK. There was a further expansion during the year. Two new Resident Tutors were appointed in S. Staffs. Univ. weeks were held in Hereford and Coventry. The third 6-weeks Summer School on Shakespeare and Elizabethan Lit. was held at Stratford-on-Avon, and, jointly with the Univ. of Vermont, a School on Economics in Birmingham. A number of other Summer Schools were arranged, including a study tour to Spain.

Residential courses continued to expand at Attingham Park, Westham House, and at the new Centre for Continued Studies in Birmingham.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Sir Cyril Hinshelwood, Oxford, "Cell Growth Phenomena and Chemical Kinetics" Dr. Moelwyn-Hughes, Cambridge, "The Liquid State." Dr. F. G. Mann, Cambridge, "Some Aspects of Stereochemistry." Prof. Llewelyn-Jones, Swansea, "Electric Contact Phenomena." Prof. Frohlick, Liverpool, "Dielectrics." Prof. Meek, Liverpool, "Electric Spark Phenomena." Prof. P. Beck, Notre-Dame, U.S.A., "Grain Boundary Migration in Metals." Prof. N. F. Mott, Bristol, "Theory of Transient Creep." Dr. Brown, Mr. Lomer, Cambridge, Dr. Kuhlmann, Bristol, Dr. R. King, London, "Slip Bands in Metals." Prof V. Dupont, Toulouse, "Emily Brontè." Prof Jeanette P. Nichols, Pennsylvania, (*a*) "Main Trends in the Development of the U.S.A." (9 lectures), (*b*) "The U.S.A.—Sixty Years of Rapid Change, 1888–1948" (6 lectures). Prof. Roy Nichols, Pennsylvania, "The European Aid Programme as seen by Americans." P. Jourda, Montpellier, (*a*) "Montaigne" (2 lectures); (*b*) "Madame de Navarre" (2 lectures); (*c*) "Stendhal" (3 lectures); (*d*) "Mérimée": Lecture expliquée (1 lecture); (*e*) "V. Hugo": Lecture Expliquée (1 lecture); (*f*) "Chateaubriand": Lecture expliquée (1 lecture); (*g*) "Le Roman français du 20e siècle" (2 lectures). E. Martin, Poitiers, "Shakespeare en France au 20e siècle." V. Dupont, Toulouse, "Servitude et grandeur de l'enseignement universitaire." Prof. J. Trier, Munster, "Arbeit und Gemeinschaft" Prof. L A. Willoughby, Univ. Coll., London, "Goethe's Imagery." Prof. R. V. Nadal, London, "Generación del '98." Miss de Lara, Liverpool, "Las dos Andalucías." L. Meana, Manchester, "El Catón, el Juanito y el Libro de los Niños." Prof. Trend, Cambridge, "García Lorca." Prof. Mirambel, Paris, "Linguistic Unity in Modern Greece." D. Fry, London, "Experimental Phonetics." D. Sinor, Cambridge, "Uralo-Altaic Linguistic Family." Prof. de Groot, Amsterdam, "Structural Linguistic & Syntactic Laws." Prof. Ida Ward, London, "Tone & Grammar in West African Languages." Prof. Bailey, Cambridge, "Iranian & Indian Languages." Prof. Frei, Geneva, "Words and Flags." D. Abercrombie, Edinburgh, "Notation of Speech." Prof. Vendryes, Paris, "Les Tendances actuelles de la linguistique." Prof. F. H. Lawson, Oxford, "Comparative Law." Dr. Paul Glees, Oxford, "The organisation of the cortex." Dr. F. K. Sanders, Oxford, "Regenerative processes of peripheral nerves." Dr. G. W. Harris, Cambridge, "The hypothalamic-hypophysial system" F. H. Schulman, Cambridge, (*a*) "Studies on emulsification"; (*b*) "Surface films." D. V. Dervichian, Institut Pasteur, Paris, "Studies on co-acervates." Prof. J. Murray Luck, Stanford Univ., Calif., U.S A., "The combination of fatty acid anions with proteins." Prof. D. Macheboeuf, Institut Pasteur, Paris, "Studies on lipo-protein complexes of horse serum." J. T. Edsall and Prof. E. J. Cohn, Harvard, U.S.A., "The lipo-proteins of human plasma." Prof. F. Tayeau, Centre de Biologie préventive de la Sécurité Sociale de Bordeaux, France, "Lipo-proteins in the precipitin reaction: the effect of the ninhydrin." Prof. E. Chargaff, Columbia, "Recent studies on cellular lipo-proteins." Prof. A. Claude, Institut Jules Bordet, Brussels, "Proteins, lipids and nucleic acid in cell structure and function." Prof. A. Frey-Wyssling, Pflanzenphysiol. Institut, d. Eidg. Technischen Hochschule, Zürich, "Morphological aspects of the lipo-proteins in chloroplasts." Dr. H. L. Booij, Leiden, "The protoplasmic membrane regarded as a lipo-protein complex." Prof. J. M. O'Connor, Univ. Coll., Dublin, "The control of the body temperature by fatty acid monolayers." Prof. D. M. Dunlop, Edinburgh, "Recent Trends in Therapeutics." Prof. R. H. Goetz, Cape Town, "Some aspects in the diagnosis

and management of Peripheral Vascular Disease." Prof. F. H. Smirk, Otago, "The Functional Pathology of Oedema." Prof. G. Niebergs, Georgia, U.S.A., "Diagnosis of Cancer by Smears." Dr. A. G. Glucksmann, Cambridge, "Prognoses in Cancer Therapy." C. Read, London, "Stress Incontinence." Prof. Jeanette Nichols, Pennsylvania, "History of United States." Prof. John U. Nef, Chicago, "War and Industrialism." Lectures given at the Shakespeare Summer School, Stratford-upon-Avon: (*a*) Prof. Hardin Craig, Missouri, (1) "Elizabethan Drama"; (2) "Shakespeare." Prof. George F. Reynolds, Colorado, (1) "Literature for an Audience"; (2) "Elizabethan Stages and Playing Places." Dr. Clifford Leech, Durham, (1) "John Webster"; (2) "Satirical Comedy." Dr. T. Balogh, Oxford, "Britain's International Position." Prof. A. Lewis, Manchester, "Price Level and Control in Great Britain."

Visits of Members of Staff to other Universities. Prof M. L. Oliphant: (*a*) Toronto, "Science and the Future"; (*b*) Adelaide, Brisbane and London, "Recent Advances in the Physics of Particles." Prof. P. B. Moon: Institut Interuniversitaire, Brussels, "Recent advances in the study of Gamma-rays." Prof. H. W. Melville: (*a*) Utrecht, "Free Radical Chemistry"; (*b*) Leiden, "New Techniques in Chemical Kinetics"; (*c*) Amsterdam, "Co-Polymerisation." Prof. M. Stacey: (*a*) Glasgow, Liverpool and Univ. Coll., Southampton, "Recent advances in Carbohydrate Chemistry"; (*b*) London, "Recent advances in Bacterial Chemistry"; (*c*) Univ. Coll, Leicester, and Oslo, Lund, Uppsala, "Organic Fluorine Compounds"; (*d*) Manchester, Oslo, Lund and Stockholm, "Deoxysugars and Nucleic Acids"; (*e*) Uppsala, "Deoxysugars." Dr. P. W. Kent: (*a*) Princeton, "Bacterial Polysaccharides and Chemistry of Living Systems" (6 lectures); (*b*) Wisconsin, "Chemistry of Bacterial Polysaccharides" and "Chemical Approach to Deoxyribonucleic Acid"; (*c*) Pennsylvania, "Chemical Studies on M. Tuberculosis." Prof. T. U. Matthew: Glasgow, Loudon Lecture on "An Approach to Increased Industrial Productivity." Dr. G. V. Raynor: (*a*) Bristol, "The Lattice Spacings of Alloys"; (*b*) London, "The Constitution of Alloys." Dr. M. A. Jaswon: Bristol, "The Cohesion of Alloys." Dr. A. H. Cottrell: Cambridge, "Recovery and Creep of Zinc." Prof. A. S. C. Ross: (*a*) Uppsala, "The Phonome" and "Philologica Mathematica"; (*b*) Helsinki, "English Philology" and "Muutamia Laimosanoja"; (*c*) Turku, "Muutamia Laimosanoja"; (*d*) Oxford, "Philologica Mathematica." Prof. Allardyce Nicoll: Montpellier, "Shakespeare's Romantic Comedies" and "The Plays of T. S. Eliot." Prof. J. A. Hawgood: (*a*) Harvard, "European Migrations of the 19th and 20th Centuries" (3 lectures); (*b*) California, "Europe in 1848 and in 1948"; (*c*) Michigan, "The Problem of Post-War Germany"; (*d*) Harvard, "Problems of Local Government and Post-War Planning in Britain." P. Styles: Oxford, "The Use of Local Records in National History" (8 lectures). Prof. R. Pascal· Österreichisches Coll., "Sturm und Drang." J. G. Lora: Liverpool, "La República Española." J. Gibbs: Oxford, "Antonio de Guevara." Prof. A. Lewis: Dusseldorf, Bonn, Cologne, Berlin, Hamburg, Kiel, Hanover and Göttingen, "English Musical Idiom of the Baroque." Prof. T. Bodkin: (*a*) Edinburgh, "The Life and Art of Vincent Van Gogh"; (*b*) Nottingham, "Bonington, The Artist." Prof. S. Zuckerman: Calif. Inst. of Technology, "The Environmental Control of the Endocrine Organs with Special Reference to the Pituitary Gland." Prof. A. C. Frazer: (*a*) Louvain, "L'Absorption des graisses"; (*b*) Brussels, "L'Étiologie de la stéatorrhée"; (*c*) Utrecht, "The absorption of fat in animals and man"; (*d*) London, "Fat absorption"; (*e*) Edinburgh, "Normal and abnormal fat absorption in man"; (*f*) Liverpool, "Studies on the Mechanism of Fat Absorption."

Prof. W. Melville Arnott: London (Postgraduate Medical School), "Modern Aspects of Peripheral Vascular Disease" (2 lectures). Dr. H. Scarborough. Southern California, Los Angeles, "Relation between Blood Pressure and Blood Flow in the Hand and Forearm." Prof. F. A. R. Stammers: Lond. (Postgraduate Med. School), "The Cervical Rib Syndrome." A. L. d'Abreu: Cardiff, "Congenital Heart Disease." H. C. McLaren: (*a*) Hamburg, "Alpha-tocopherol in the Menopause"; (*b*) R.C.O.G., "The Physiology of the Cervix" and "The Radium Menopause." Prof. J. Osborne: Bristol, "Immediate Denture Technique." J. G. Picton: Leeds, "The Motor Industry." Prof. J. G. Walker: Leeds, "Transport."

RETIREMENTS. Prof. L. J. Wills (Geol.); Prof. G. Haswell Wilson (Pathol.).

RESIGNATIONS. Prof. M. L. E. Oliphant resigned appt. as Vice-Principal of the Univ. owing to heavy call on his services in other directions; Prof F. J. Schonell (Prof. of Educn. and Hd. of Educn. Dept.), on appt. to Chair of Education at Univ. of Queensland, Brisbane; Prof. C. E. Smalley-Baker (Dean of Fac. of Law and Dir. of Legal Studies), on appt. to Deanship of Osgoode Hall Law School, Toronto; Prof. L. Aitchison (Industr. Metall.), on account of ill health (Prof. Aitchison has been given the title of Hon. Res. Fellow); P. L. Adams (Lectr. in Mining); C. D. Cruickshank (Lectr. in Bact.); H. J. Elsey (Lectr. in Dentistry); P. H. Gray (Lectr. in Extra-mural Dept.); J. Grodecki (Temp. Lectr. in Law); S Harper (Lectr. in Industr. Metall); J. Ireland (Lectr. in Dentistry); J. Irving (Lectr. in Math. Physics); Dr. J. M. Mynors (Lectr. in Anatomy); A. C Sewter (Lectr. in Fine Art); P. A. Trotter (Lectr. in Dentistry); M. Webb (Lectr. in Chem.); R. Padley (Sr. Stat. Officer, Med Statistics); J. M. Hirshman (Res. Fellow in Social Med.); Dr. M. A. Jaswon (Res. Fellow in Met.); B. Jelinek (Res. Fellow in Industr. Ferm.); Mrs. F. Schonell (Res. Fellow in Pædiatrics); M. A. Preston (Asst. Lectr. in Math. Physics); Dr. P. Dawson Edwards, Dr. J. M. Moffett and Dr. P. J. W. Monks (Temp. Asst. Lectrs. in Anat.).

DEATHS. Dr. D. A. Hanson, Dr F. E. Whitmore, G. E. F. Fertel (Res. Fellows); D. Richards (Tutor, Extra-mural Dept.).

HONORARY DEGREES. *D.Sc.*—Sir Alfred Egerton, Prof. of Chem. Technol., Imperial Coll. of Science; Sir Howard W. Florey, Prof. of Pathol., Univ. of Oxford; Peyton Rous, Member of the Rockefeller Inst.; Sir Edmund T. Whittaker, formerly Prof. of Maths., Univ. of Edinburgh. *LL.D.*—Sir Arnold McNair, a Judge of the Internat. Court of Justice. *D.Litt.*—F. W. Thomas, Hon. Fellow of School of Oriental and African Studies, Univ. of London; J. Vendryes, Prof. of Celtic Philol. at the École des Hautes Études.

STUDENTS. Total: 3811; full-time: 3250; pt.-time: 561; the total includes 1229 women and 456 postgraduates.

DEGREES. B.A., 138; B.Mus., 4; M.A., 25; D.Litt., 1; LL.B., 29, B.Sc., 295; M.Sc., 19; D.Sc., 3; M.B., Ch.B., 67; M.D., 3; Ch.M., 1; B.D.S., 2; B.Com., 62; M.Com., 4; Ph.D. (all Facs.), 57.

UNIVERSITY OF BRISTOL

Founded 1909

VISITOR—H.M. THE KING.

CHANCELLOR—The Rt Hon. WINSTON S CHURCHILL, O.M., P.C., C.H., LL D, 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., 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.

PRO-VICE-CHANCELLOR—G. C. FIELD, M.A., D.Litt. Oxon., F.B A

CHAIRMAN OF COUNCIL—W. R. VERDON-SMITH, B.C L., M A. Oxon.

TREASURER—H. G. TANNER, J.P.

LIBRARIAN—F L KENT, M.A. Camb.

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

BURSAR—C. M. SINGER, B A. Oxon.

FINANCE OFFICER—D. C. A. SMITH.

Telephone: Bristol 24161.

TEACHING STAFF

Anatomy

Yoffey, J. M., M.D., D.Sc. Manc., F.R.C.S. Prof.
Baxter, J. S., M.A. Camb., M.Sc., M D., Ch.B. Belf, F.R C S.I Reader.
Field, E. J., M.D., M.S. Durh. Lectr.
Robinson, Frances G., M.D., Ch.B. Birm. Lectr.
Metcalf, W. K., M.B., B.S. Durh. Asst. Lectr.
Kelly, W. P., B.A. Camb. Demr.
Hudson, George, B.Sc., M.B., Ch.B. Manc. Demr.
Nairn, V., M.B., Ch.B. St. And. Demr.
Towers, B., M.B., Ch.B. Liv. Demr.

Aramaic, v. Orient. Langs.

Botany, v. also Assoc. Instns.

Skene, MacGregor, D.Sc. Aberd. Melville Wills Prof.
Hawker, Lilian E., D Sc, Ph.D. Lond. (Mycology) Reader.
Yemm, E. W., B A., D.Phil. Oxon. Sr. Lectr.
Fraymouth, Joan, M.Sc. Lond. Lectr.
Hope-Simpson, J. F., M.A., D Phil. Oxon. Lectr.
Folkes, B. F., B.Sc. Lectr.
Willis, A. J., B.Sc. Jr. Fellow.
1 Recogd. teacher in Cardening.

Chemistry, v. also Assoc. Instns.

Baker, W., M.A. Oxon., D.Sc. Manc., F.R.S. A. C. Pass Prof.

Malkin, T., D.Sc. Lond., Ph.D. Manc. Reader.
Jones, J K. N., D Sc. Birm., Ph.D. Reader.
Maxted, E. B., D.Sc. Lond., Ph.D. Berl. (Catalysis) Sp. Lectr.
Pollard, F. H., B Sc., Ph.D Lectr
Coates, G. E., M.A., B.Sc. Oxon. Lectr
Eley, D. D , M Sc , Ph D. Manc. (Biophys Chem.) Nash Lectr.
Dunning, Kathleen W , B.Sc. Lond. Lectr
Gray, T. J , B Sc , Ph D. Lectr
McOmie, J. F. W , M.A., D Phil Oxon. Lectr.
Ollis, W. D , B.Sc Lectr
Seymour, R. C., B Sc Lectr
Stone, F. S., B.Sc. Asst. Lectr.
King, Annie M., Ph D. Research Asst.

Chemistry, Physical

Garner, W. E , C B E., M Sc Lond , D.Sc Birm., F.R.S. Leverhulme Prof.
Dunning, W. J., B.Sc , Ph.D Liv Lectr.

Classics

Kitto, H. D. F., B.A. Camb. (Greek) H. O. Wills Prof.
Beare, W., M.A. Dub. (Latin) Prof.
Momigliano, A., M.A. Oxon., D.Phil. Turin (Anc. Hist.) Reader.
Eichholz, D. E., M.A. Camb. Sr. Lectr.
Gulley, N., M.A. Oxon. Lectr.
Maclaren, K., B.A. Camb. Asst. Lectr.

Dentistry, v. *infra*

Domestic Science, v. also Assoc. Instns.

Taylor, M. Burella, M.A. Lectr.
Eland, Grace M. (Dom. Econ.) Lectr.

Drama

James, D. G., M.A. Wales Prof.
Taig, T., M.A. Glas. Sr. Lectr.
Stanley, Edward Sp. Lectr.
Wickham, G. W. G , B A. Oxon. Asst Lectr.

Economics

..... Prof.
Dickinson, H D., M.A Camb. Sr. Lectr.
..... Sr. Lectr.
Dawe, C. V , M Com Leeds, Ph.D (Agricultural E.) Sr. Lectr
Magee, B., B.Com. Lond. (Accountancy) Lectr.
Fleming, J M., B Com Sc. Belf. Lectr.
Milne, R. S., M.A. Oxon. (Govt.) Lectr.
Madge, J., M A. Camb. Res Fellow
Liepmann, Kate, Ph D. Lond. Res Fellow.
Bracey, H. E., M.Sc., Ph.D. Lond. (Social Studies) Res. Fellow
Mackenzie, H. C H , M A St And. Res Fellow.
Wheelwright, E L , M A. St. And. Asst. Lectr.
Cornwell, S. V. P., M.A. Oxon. (Accountancy) Asst Lectr.
Brooman, F. S , M A Oxon. Res. Asst.

Education

Fletcher, B. A., M.A., B.Sc. Lond. Prof.
Whitwill, Gladys C., M.A. Sr. Lectr.
Humphreys, D. W., M.A. Lond. Sr. Lectr.

Lecturers

Pye, Margaret W., B.A., Ph.D. Lond.
Jarman, T. L., M.A., B.Litt. Oxon , A.M. Harv.
Pym, Dora O., M A. Camb.
Sutherland, J K., B.Sc. (Econ.) Lond.
Hickman, Gladys M., M A. Lond.
James, W. S., M.Sc. Lond.
Vinnicombe, Ellen J., M.A. Camb.
Rapaport, Barbara.

Morgan, Gladys M., M.A. Oxon. Sp. Lectr.

Engineering, v. infra

English

James, D. G , M.A. Wales Winterstoke Prof.
Tucker, Susie I., M.A. Oxon. Sr. Lectr
Brett, R. L., B.Litt. Oxon., B.A. Lectr.
Goldsmith, Margaret E , B.A. Lond. Lectr.
Cottle, A B., M A Wales Lectr
Gifford, C. H , M.A. Oxon. Lectr .
Reynolds, A B , B A. Lectr
Cross, James, B A. Asst. Lectr
Browne-Wilkinson, Virginia, B.A Oxon Asst. Lectr.
Joseph, B. L., M.A., D.Phil. Oxon Asst. Lectr

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. Lectr.
Mason, Germaine M. S., L. ès. L , M.A. Lectr.
Morrison, Mary G , M A. Aberd , Ph.D. Camb Lectr
Mellor, G., M.A. Manc. Asst. Lectr.
Stéphan, E. M. Sp. Lectr.
Creyx, Nicole, L ès L. Lectrice.

Geography

Jervis, W. W., D.Sc Durh. Prof.
Walker, F., M.A. Liv. Lectr.
Hannell, F. G., B.Sc. Lectr.
Morris, F. G., M.A. Oxon. Lectr.
Kendall, O. D., M.A. Camb. Sp. Lectr.
Graves, A. M., B.Sc. Asst. Lectr.

Geology

Whittard, W. F., D.Sc. Lond., Ph.D. Lond. and Camb. C. Wills Prof.
Phillips, F. C., M.A., Ph.D. Camb. Lectr.
Turner, H. W., M.A. Oxon. Lectr.
Loupekine, I. S , B.Sc Lectr.
Simpson, Scott, M A Camb., Dr. rer. nat. Frankfurt Lectr.
Donovan, D. T , B.Sc Lectr.
Wallis, F. S., D.Sc., Ph.D. (Sedimentary Petrol.) Sp Lectr.

German

Closs, A. M., M.A., D.Phil. Graz Prof
Morgan, Estelle, M A , Ph.D. Edin. Lectr.
Goodbody, Margaret, M.A. Lectr.
Jung, Rudolf Lektor.

Hebrew

Davies, Rev G. H., M A , B.D. Wales, B Litt. Oxon. Sp Lectr

History

Douglas, David, M A Oxon , F.B.A. Prof.
MacInnes, C. M., M.A Oxon (Imperial H.) Prof.
Jones, F C , M A , Ph D. Reader.
Butcher, Emily E., M.A. Sr Lectr.
Sharp, Margaret, M A , Ph D. Manc. (Mediæval H) Lectr
Evans, E. W., B.A. Oxon. (Colonial H.) Lectr.
McGrath, P V , M A. Lond. Lectr.
Ross, C. D., M.A., D Phil Oxon. Lectr.
Sherborne, J. W., B.A Oxon. Asst. Lectr.

Horticultural Science

Bond, T. E. T., M.Sc. Reading, Ph.D. Camb. Sr. Lectr.

Law

Lewis, M. M., M.A., LL.B. Camb. Prof.
Coutts, J. A., M.A., LL.B. (Jurisprudence) Prof.
Bain, K., LL.B. Lond Lectr.
Forrest, G. A., M.A. Oxon. Lectr.

Grodecki, J. K., B.A. Oxon. Lectr.
Pitt, F. W C., LL.B Lectr
Mackeson, J. F., B A. Camb. Lectr.

Mathematics, Applied

Howarth, L., M.A., Ph.D. Camb., F R.S Prof.
Shepherd, W. M., D Sc. Lond. (Elasticity) Reader.
Stewartson, Keith, M A. Camb. Lectr
Newing, S. T., B Sc. Lond. (Theoret. Mech) Lectr.
Gaydon, F. A., M.Sc. Lond., F.R Met.S. (Theoret. Mech) Lectr.

Mathematics, Pure

Heilbronn, H. A., M.A. Camb , Ph D Gottingen H. O. Wills Prof
Todd, H , B.A. Camb Sr Lectr.
Vint, J., M A Belf Sr Lectr
Davis, C. S., M Sc., Ph.D. Syd Lectr.
Shepherdson, J. C., B A. Camb Lectr
Thurston, H. A., M.A. Camb. Lectr.
Mostyn, J. G., B Sc. Liv. Asst. Lectr.

Medicine, v. *infra*

Metallurgy, v. Engin.—Chem. and Metall.

Music

Stanton, W. K , M.A., D.Mus. Oxon. Stanley Hugh Badock Prof.
Byard, H. Lectr.

Oriental Languages

O'Leary, Rev. de L., M.A., D.D. Dub. (Aramaic and Syriac) Sp. Lectr.

Philosophy and Psychology

Field, G. C., M.A., D.Litt. Oxon., F.B.A. Prof.
Drew, G. C., M.A. (Psychol.) Reader.
Carré, M. H., M.A. Oxon. (Philos) Reader.
Körner, S , Ph D. Camb. Lectr.
Bowyer, Laura R., M A , Ed.B. Glas., B Sc (Econ.) Lond. (Psychol) Lectr.
Macleod, J Winifred, M.A. Glas., B.Litt. Oxon. Sp. Lectr.
George, F. H , B.A. Camb. (Psychol.) Asst. Lectr.

Physics, v. also Chem., Physical

Mott, N F., M.A., D Sc Camb., F.R.S. H. O. Wills Prof.
Powell, C. F., M A , Ph.D Camb., Sc.D , F R S. Melville Wills Prof.
Piper, S H , D.Sc. Lond. Reader.
Mitchell, J. W., M Sc N.Z., D.Phil. Oxon. (Exper. P) Reader.
Jackson, L. C., M.Sc. Lond., Ph.D. Leiden H. H. Wills Research Fellow and Lectr.
Burch, C. R., B A. Camb , Ph.D Lond., F.R S. Warren Res. Fellow.
Frank, F. C , B.A., B.Sc , D.Phil. Oxon. (Theoret. P.) Res. Fellow.

Lecturers

Potter, H. H., Ph.D. Lond., B.Sc.
Thompson, N., B Sc., Ph.D. Sheff.
McGill, D., M.Sc. Durh
Gibbs, D. F., B.Sc Lond.
Kay, H. F., M.Sc., Ph.D. Manc.
Mendoza, E. B., M.A. Camb.
Devonshire, A. F., B.A., Ph.D. G. A. Wills Res. Assoc.
Bates, W. J., B.Sc., Ph.D. G. A. Wills Res. Assoc.
Gibson, W. M., B.A. Camb. G. A. Wills Res. Assoc.
Fowler, P H , B.Sc. Asst. Lectr.
Heitler, H., Ph.D. Res. Asst.
2 Recognized Teachers.

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 Physiol.) 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 , B.Sc., M.B., Ch B. Manc
Barbour, R F , M A Camb., M B , Ch.B Edin , F R C.P , D P M. (Psychology).
1 Recognized Teacher

Religious Knowledge

3 Recognized Teachers
For Univ Staff, v *infra* Assoc. Instns.

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. California, Ph D. Camb. (Entomol.) Reader
Jenkin, Penelope M., M.A. Camb. Sr Lectr
Sloane, J. F., B.Sc. Glas. Lectr.
Bassindale, R., M.Sc. Sheff. Lectr.
Crofton, H. D , B Sc., Ph.D. Durh. (Parasitol.) Lectr.
Matthews, L. H., M.A., Sc.D. Camb. Res. Fellow.
Moore, N. W., B.A. Camb. Asst Lectr.

Engineering

Aeronautical Engineering

Collar, A. R., M.A. Camb., D.Sc. Lond., F.R.Ae.S. Sir George White Prof.
Black, J., M.Sc. Belf. Lectr.
Lawson, T. V., B.Sc. Leeds Lectr.

Chemistry and Metallurgy

Dearden, W. H., M.Sc. Manc. Lectr.

Civil Engineering

Pugsley, A. G., O.B.E., D.Sc. Lond., F.R.Ae.S. Prof.
Gibbs, E. F., M Sc , Ph.D. Lond. Sr Lectr.
Elgood, W. N., B.Sc St. And. Lectr.
Cullimore, M. S. G., B.Sc., Ph.D. Lectr.
Flint, A. R , B Sc. Lond., Ph D. Res Fellow.

Electrical Engineering

Rawcliffe, G. H., M.A., D Sc. Oxon. Dean, Fac. of Engin. and Prof.
Chard, F. de la C., M.Sc. Lond. Lectr.
Russell, R L., M Sc. Leeds Lectr
Cannell, R. L., M.Eng. Liv. Lectr.
Davies, E. J., B.Sc. Jr. Fellow.

Mechanical Engineering

Morrison, J. L. M., D.Sc. (Mech. E.) Prof.
Graham, C. D., B.Sc. Lond. Lectr.
Rogers, G. F. C., B.Sc. Lectr.
Crossland, B., M.Sc Lond. Lectr.
Meyerowitz, Y. R., B.Sc. Lond. Asst. Lectr.

Medicine

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

Anæsthetics

Woolmer, R., B.A., B.M., B.Ch. Oxon., D.A., F.F.A.R.C.S. Hd. of Dept., Sr. Lectr.

Brądbeer, E. G., F.F.A R.C.S , D.A. (C.).
Feneley, G. L., M.B., Ch.B., D.A. (C.).
Moore, R H., M.B., Ch.B , D A. (C).
Gorham, A P , M B., Ch B , D.A. (C.).
Taylor, J T C (C.).
Baxter, V T., M.B., Ch.B., D.A. (C.).
Wilton, T. N. P , B.A Camb., D A. (C.).
Mortimer, P. L. F., M.B , B S. Lond , D.A. Tutor
Challenger, J. H., M B , Ch.B., D.A Tutor.
Brownrigg, E K., M.B., B.S. Lond., D A. Tutor.

Bacteriology, v. Pathology

Child Health

Neale, A V., M D Birm., F R.C P., D P H. Prof
Corner, Beryl, M.D , Ch B. Lond (C) Lectr
Ross, A I , M D., Ch B. Edin , D.P H (C.).
Smallwood, A L., M.B., Ch.B , D Ch Liv , D.P.H. (C).
Ellis, H. L., M A., M D., B.Chir., D C H. Camb Tutor.
Creery, R. D G., M D , B.Ch Belf. Tutor

1 Recognized Teacher.

Diseases of the Skin

Evans, C. D., O.B.E., B.A., M.B., B.Ch. Camb. (C.).
Warin, R. P., M.D., Ch.B Leeds (C.).
Prettejohn, E. J. T., M.B., B.Chir. Camb. Tutor

Forensic Med.

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.).
Morris, I J L., M.B., B.Ch , B.A.O., D L.O. N U.I. Tutor.
Rainer, E. H., F.R.C.S.Ed. Tutor.

Medicine, v. also Path., Pharm.

Perry, C. B., M D., Ch.B., F.R.C.P. Dean., Prof.
Tovey, G H., M.D (Haematol.) Lectr. (C.).
Smart, G A., M.D , B.S. Durh. Lectr.
Campbell, A. M. G., D.M Oxon. Lectr
Davies, D. H , M D , B Ch Wales Lectr.
Kersley, G D , M A , M D Camb., F.R C P (Physical Med) Lectr
Sparks, J V., B A Camb., D.M R E (Radiodiagnosis) Lectr.
Pearson, J. E. G., M.A., D.M., B.Ch. Oxon (Pulmonary Diseases) Lectr.
Fraser Roberts, J. A., M.A. Camb., D Sc., M.D., Ch.B Edin. (Human Genetics) Sp. Lectr.
Golla, F. L., M A , B.M., B.Ch. Oxon. (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.).
Middlemiss, J. H., M.D., B S. Durh., D M R (Radiodiagnosis) Lectr.

(C.) = Clinical Teacher.

Sutton, G. E. F., M.D. Lond., F.R.C.P. (C.).
Alexander, A J. P., M D , B.Ch , B A.O. Belf (Tuberculosis) (C.)
Macrae, J., M.D., Ch.B. Glas., F R.F.P.S., D P.H. (Fevers) (C)
Williams, N. V., M B., Ch B. Edin , D P.H. (Tuberculosis) (C)
Bergin, J H. E., M B., B Chir Camb., D M R.D (Radiodiagnosis) Tutor.
Smith, W. H., M B., B.S. Lond. (Radiodiagnosis) Tutor
Waldron, E. A. (Radiodiagnosis) Tutor
Cosh, J. A., B.A., M.B., B.Chir Camb. Tutor.
Tatlow, W. F. T , M D., Ch.B Lond. Tutor
Dyson, F. L , M.D., B S. Lond. Tutor
Short, D S , M A , M.B., B.Chir Camb. Tutor.
Beresford, O. D., B Sc , M.B., B.Ch. Wales Tutor.
2 Recognized Teachers.

Obstetrics

Smythe, H J. D , M.D., M S. Lond., F.R.C.S , F.R C O.G Prof
Embrey, M. P., M.D , B Sc Wales, F R C S Ed Lectr
Shepherd, H. L., Ch.M., M.B., F.R.C.O.G. (Operative Midw.) 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)
Phillips, P., M.Sc., M.D., Ch.B. (C.)
Graham, A M. Tutor.
..... Tutor.
Dunster, Marjorie O., M.D., B S. Lond., M.B., Ch.M., F.R C S. Tutor.

Ophthalmology

Palin, Anthony, 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 D , Ch.B. Aberd., F R C S , D.O M S Tutor.
Kelly, T S -B., M B , Ch B. Manc., D.O.M.S. Tutor.

Pathology and Bacteriology

Hewer, T F., M D , F.R.C P Prof.
Gillespie, W A , M A , M.D Dub , D.P.H. Lectr.
Fraser, A. D , M.A., B Sc., M.B., Ch B Glas., D P H. Lectr.
Taylor, A. L., M.D., Ch.B Leeds. Lectr.
McGowan, G. K., B A , B.M., B Ch Oxon Lectr.
Crowther, S T , D P H Birm (Bacteriol.) Lectr.
Sandry, R. J , M B., Ch.B. Lectr.
Valentine, J C , M B., Ch B Lectr.
Lloyd, O. C., M.A., M.D., B.Chir. Camb. Lectr.
Bishton, R. L., M.B., Ch B. Birm. Lectr.
Andrews, G. S , M D , Ch B Lectr.
Brown, N. J., M.B., Ch B Lectr.
Norman, R. M , M.D., Ch.B., D.P M. Lond. (Neuropathol.) Sp Lectr.
Simpson, Patricia M., M.B., Ch.B. (Clin. Pathol.) Asst. Lectr.
Spencer, J G. C , M.D. Camb., F R.C.S. (Clin. Pathol.) Tutor.
Pengelly, C. D. R., M.B., Ch.B. (Clin Pathol.) Tutor
Renwick, J. H , M.B., Ch.B. St. And. (Clin. Pathol.) Tutor.

(C.) = Clinical Teacher.

Price, C. H. G., M.D., Ch.B. Res. Asst.

Pharmacology and Practical Pharmacy

Heller, H S , M.B , B Chir. Camb , Ph D. Prague Hd. of Dept., Prof.

Ginsburg, M., B.Sc., Ph.D Edin. Lectr.

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 (Sr Bacteriologist) Reader

Wofinden, R. C , M.D , B.S , D.P.H , D.P.A. Lond. Lectr

Herdan, G , M.Sc Lond., Ph D. Vienna, LL D Prague (Statistics) Lectr

Woodman, Dorothy, M Sc , M D , B.S. Lond. Lectr. Sr. Pathological Officer.

Lewis, F. J. W., M.B., Ch.B. (Clin. Pathology) Lectr.

Whittle, E G., B.Sc., F R.I C. Lectr

Dembrey, I., B.Sc , F.R.I C. Lectr.

Faulkner Hudson, T. G., M.D., B.S. Lond. Lectr.

Kelly, G C , B.Sc., M.D., Ch.B. Aberd., D.P.H. Lond. (Hosp. Admin.) Lectr.

Biden-Steele, K., M.D., B.S. Lond., D.P.H., D.P.M., D.I.C. (Indus. Hygiene) Lectr.

Mayr-Harting, Anna, M.D. Prague, Ph.D. (Bacteriologist) Lectr.

Simpson, Patricia M., M.B., Ch.B. Asst. Lectr.

4 Recognized Teachers.

Psychiatry

Hemphill, R. E., M.A., M.D Dub , B.A.O , 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).

Steele, G D F., M D , Ch.B. Edin., D.P.M. Asst Lectr.

Surgery

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. (C.).

Tasker, D G C , B.Sc., M B , M.S. Lond., F.R.C.S. (C.).

Eyre-Brook, A L , M B , Ch B , M S Lond , F.R C S. (Orthopædics and Fractures) Lectr.

Cooke, R. V., M.B , Ch M , F.R C.S. (C.).

FitzGibbon, G. M., M.D. Lond., F.R C S. (C).

Jackman, W. A., M.B , Ch.B. Lectr. (C).

Paul, R. G., F.R C S.Ed. (Operative Surg.) (C.).

Pridie, K H , M.B., Ch.B. (Orthopædics and Fractures) Lectr.

Croot, H. J., M.B., B.S. Lond , F.R C.S. Lectr

Miller, A., M A., M.B , B Chir Camb., F.R.C.S. Lectr

Pocock, J. A., M.A., M.B., B.Ch. Camb., F.R.C.S. Lectr.

Capper, W. M., M.B., B.S. Lond., F.R.C.S. Lectr.

Belsey, R. H R., M.B , M.S. Lond., F.R.C.S. (Thoracic Surgery) Lectr. (C.).

Tudway, R. C., B.Sc , M.B., B.S. Lond., D.M R. (Radiotherapy) (C.).

Curwen, S., D.M.R.T. (Radiotherapy) (C.).

Robinson, H. H., B.A., M.B., B.Ch., B.A.O., D.M.R.T. Dub. (Radiotherapy) Tutor.

(C.) = Clinical Teacher.

Lal, K., M.B., B S. Panj., D.M.R.T. (Radiotherapy) Tutor
Black, W. R , M.B , Ch B Edin , F R.C.S. Tutor.
Butler, T. J., M.B., Ch.B., F.R.C.S. Tutor.
Malcolm, J. E , B.Sc., M.B., Ch B St. And , F R.C.S. Tutor.
Penrose, J. H., B A., M.B , B.Chir. Camb., F.R.C S (Orthopædics) Tutor
Hurford, F. R , M B , Ch B , F.R C.S. (Orthopædics) Tutor.

Neuro-Surgical Unit

Alexander, G. L , M B , Ch.B., B.Sc. Edin , F R.C.S. Surgeon-in-charge (C)
Phillips, D. G., M B., Ch.B. N.Z., D.L.O , F.R C.S (C)
Hulme, A , B.A , M.B., B Chir. Camb., F.R.C.S. Registrar.

Venereal Diseases

McLachlan, A. E W , M B , Ch B. Edin , D.P H. Lectr.
Brown, D. D., M.D , Ch.B. Aberd. (C.).

Veterinary Science

Blakemore, F., B.V Sc., D V.S M. (Veterinary Medicine) Prof
Ottaway, C. W., Ph.D. Camb., F.R C.V.S. (Vet. Anat.) Prof
Carlyle, A., B A. Camb , B V Sc Liv. (Vet. Physiol) Sr. Lectr.
McCrea, M. R. (Animal Husb.) Lectr.
Laing, J. A., B.Sc. Edin., Ph.D. Camb. Lectr.

Dentistry

Children's Dentistry

Johnson, W. T., L.D.S. (Orthodontics) 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.).

Dental Anatomy and Histology

Snawdon, J. W E., M B , Ch.B., M.D S , F.D S R C S. Lectr.

Dental Prosthetics

Chick, O. A., L.D.S. Hd. of Dept., Lectr.
Wells, J , L D S , H D D Edin., F.D S.R C S (C.)
Hogbin, F. R., L D.S. (C.).

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.
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.).
Rowland, P D. M., L D S Tutor.
Knapman, Elizabeth B , L D S Tutor.

Institute of Education

Fletcher, B. A., M.A , B Sc Dir. and Prof.
Knowlson, H , B Sc , Ph D Leeds Staff Tutor.

Lecturers

Bradby, E. L., M.A. Oxon
Dawson, Alice M , M A. Birm.
Ellis, C.
Jones, Ethel W., M.A. Lond.
Maxwell, Edith A. M., M A. Camb.
Milner, D. E.
Neilson, Elizabeth B.
Nunn, Elsa R. H., M.A. Camb. and Lond.
Smith, L , M A. Oxon
Taylor, M. Burella, M A. Camb

Special Lecturers

Barnard, Elsie I
Bowen, Mabel, B.Sc. Liv.

(C.) = Clinical Teacher.

Edminson, Vera L., M.A. Camb.
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 J.

Research Assts.
Nagy, Mary H., Ph.D. Budapest
Sykes, Emily G

University Extension

Director of Dept of Adult Education—Salt, W E., O B.E., M.A. Sheff., B.Com. Manc Assts to Director—Trump, H. J., M.A. Camb.; Thomas, J. L., B.A Lond. (Services Educn.). Full-time Tutors: 16; Pt.-time Extra-mural Lecturers: 35 members of the staff, 90 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.). *Gloucestershire*—Taylor, W R, B Sc (Econ) Lond; Tucker, H. F. G., M A, Durham, I L., M.A. Oxon. *Somerset*—Cair, S. H., B.Sc. (Econ.) Lond; Marson, M. J, M.A. Camb.; Hudson, A. K., M.A. Lond. *Dorset*—Ollett, F. A., M.A. Camb.; Clifford, Emma A. H., M.A. Reading. *Wilts*—Ross, H, B.A. Lond.; Cherrington, P., B.A. Camb.; Hare, A, B A. Lond.

Staff Tutors for Services Educn.: Aris, R. F., Dr. juris utriusque; Callendar, M H., M A Durh.

Social Work, Theory and Practice of—2 Recognized Teachers.

Training Course for Health Visitors—6 Recognized Teachers.

Physical Training

Williams, A. I. J., B.A. Oxon. (Men) Lectr. and Instr.

Turner, Daphne G. (Women) Lectr. and Instr.

Lewis Fry Memorial Lecturer

1949–50 — Compton Mackenzie, O.B E, Hon. LL.D. Glas., "Reading and Writing for Fifty Years"

George Hare Memorial Lecturer

1949 – 50 — Jacquetta Hawkes, M.A., F S.A., "Art in the Ice Age: the beginnings of Painting and Sculpture."

Loveday Memorial Lecturer

1949–50—Sir Walter Moberly, "Christian Theism and Morals."

Arthur Skemp Memorial Lecturer

(English Literature, biennial)

1951—Cicely V. Wedgwood.

Patrick Watson-Williams Memorial Lecturer

1948–49—W. M. Mollison, C.B E., M.A., M.Ch., F.R.C.S., "Naval Headaches"

Carey Coombs Memorial Lecturer

1950 – 51 — Maurice Camphill, O.B.E., D M., F.R.C.P.

Art Lecturers

1949–50—Otto Paecht. D. E. Milner. Hans Gronau. Hannah Closs. Émile Cam-

maerts. Anthony Blunt. "The Emergence of Landscape Painting" Peter Murray: "Architecture and Sculpture in the Italian Renaissance"

ASSOCIATED INSTITUTIONS, in which specialized teaching is given or facilities for research are afforded :—

Agriculture

LONG ASHTON RESEARCH STATION (Dept. of Agriculture and Horticulture), Long Ashton, Bristol. Director and Univ. Prof. of Horticultural Chemistry · T. Wallace, C.B.E., D.Sc. Durh. *Biochem.*—H. Martin, D.Sc. Lond., Reader. Staff with the standing of Sr. Lectrs. in the Univ. . *Entomology*—H. G. Kearns, B.Sc. Lond., Ph.D. Camb. *Mycology*—R. W. Marsh, M.A. Camb. *Agricultural Botany*—G. T. Spinks, M.A., Dip. Agr Camb *Biochem* —A. Pollard, M Sc. Lond , Ph D. Manc. *Microbiology and Biochemistry*—H. W. Challinor, D.Sc., Ph D. Birm. With the standing of Lectrs. in the Univ *Pomology*—L. C. Luckwill, B Sc , Ph D ; E. W Hobbis, B.Sc. *Plant Physiology*—E J Hewitt, B.Sc., Ph D. ; D J. D. Nicholas, B Sc., Ph D. ; W. Plant, B Sc Hort , Ph D. Reading. *Domestic Fruit and Vegetable Preservation*—Alice Crang, B.Sc. Lond. *Chem.*—C. Bould, M.Sc. Reading. *Organic Chem.*—D. Woodcock, M.Sc., Ph.D. Durh. ; A. H. Williams, M.A., B Sc. Oxon. *Fruit Products*—Margaret E. Kieser, B.Sc. *Mycology*—S. H. Crowdy, B.Sc Lond. *Phys. Chem.*—W. D E. Thomas, B.Sc , Ph D. Wales. *Entomology*—S. H. Bennett, B Sc. ; A. Stringer, B Sc. Lond. ; N. G. Morgan, B Sc. 11 Research Assts.

CAMPDEN RESEARCH STATION, CAMPDEN, GLOS. For instruction and experimentation in fruit and vegetable preserving on a commercial scale. With the standing of Sr. Lectrs. in the Univ.: Director, F. Hirst, M.Sc. (*Micro-Biol.*); W. B. Adam, M.A. (*Chem.*). With the standing of Lectr in the Univ.: T. G. Gillespy, B.Sc. (*Bacteriol.*). 1 Research Asst.

Domestic Science

GLOUCESTERSHIRE TRAINING COLLEGE OF DOMESTIC SCIENCE, GLOUCESTER. For practical course for B.Sc. in Dom. Sci. Principal and Univ. Lectr. in *Dom. Sci.*, M. Burella Taylor, M.A. Staff with the standing of Teachers in the Univ.: *Cookery*—Mollie Downes. *Dressmaking*—Irmgard B. Pick. *Laundry Work*—Ethel Henney. *Needlework*—Margaret N. Pincott. *Sci. and Hygiene* —Jessica D. Byett, B.Sc. *Household Management*—Marion Wilson.

NATIONAL TRAINING COLLEGE OF DOMESTIC SUBJECTS, 72-78 Buckingham Palace Rd., London, S.W.1. For practical course for B.Sc. in Dom. Sci. Principal and Univ. Lectr. in *Dom. Econ.*, Grace M. Eland. Staff with the standing of Teachers in the Univ.: *Edn.*—Phyllis Royston, B.A., M.Ed. *Edn. and Craft*—Kathleen J. Lough. *Home Management*—Gertrude E. Cottrell. *Laundry Work, etc.*—Hylda M. Lancaster. *Needlework*—Margaret L. Breukelman. *Sci.*—Hilda Shaw, B.Sc. Lond. ; Patience Dumas, B.Sc. Lond. *Cookery*—Margaret M. Begg.

Theology **(the following are members of the Univ. staff in Theol. subjects for the B.A.)**

BAPTIST COLLEGE, BRISTOL. Principal, Rev. A. Dakin, B.D. Lond., D.Th. Heid. ; Rev. G. H. Davies, M.A., B.D. Wales, B.Litt. Oxon.

WESTERN COLLEGE, BRISTOL. Principal, Rev. H. F. Lovell Cocks, M.A , D.D. ; Rev. W. J. Downes, M.A., B.D.

BIBLE CHURCHMAN'S COLLEGE, CLIFTON, BRISTOL. Principal, Rev. W. Dodgson Sykes, M.A.; Rev. G. W. Bromiley, M.A., Ph D., Litt.D.; Rev. P. E. Hughes, M.A., B.D.; Rev. D. H. Tongue, M.A., Rev. L. E. H. Stephens-Hodge, M.A.

DIDSBURY COLLEGE, BRISTOL. Principal, Rev. Frederic Greeves, M.A.; Rev. S. B. Frost, M.Th., Ph.D.; Rev. Kenneth Grayston, M.A.

ADMINISTRATIVE STAFF

OFFICE OF THE REGISTRAR AND SECRETARY. Asst. Registrar and Sec.: Alexander Fraser, B.A. Examinations Officer: Herbert G. Lock. Publications Clerk: Stanley L. Crook.

OFFICE OF THE BURSAR. Asst. Bursar: A. G. Jones. Catering Officer: Dorothy M. Woodcock, M.A.

OFFICE OF THE FINANCE OFFICER. Asst. Finance Officer: T. Bertram Smith. Cashier: Edith Heath.

SCHOOL EXAMINATIONS. Director: O. D. Kendall, M.A.

APPOINTMENTS BOARD. Sec.: Elsie M. Briggs, B.Sc., Ph.D. Asst. Sec.: Cecilia M. S. White, B.A.

ADVISER TO OVERSEAS STUDENTS. P. L. Vining.

LIBRARY. Sub-Librarian: J. S. Cox, M.A.

INSTITUTE OF EDUCATION. Sec.: John G. Lang, M.A. Asst. Sec.: Ray P Allaun, B.A.

STUDENT HEALTH. Physician-in-charge: H. F. West, M.D., B.S, D.T M. Medical Officers: I. McD. G. Stewart, M.B, B.S.; H. R. E. Wallis, B.A., M.D., B.Chir., D.C.H.

GENERAL INFORMATION

The Bristol Medical School, founded in 1833, merged with the Univ. Coll. which was established in 1876. The College was dissolved and the Univ. received its Charter in 1909. Its main buildings—opened in 1925, occupy a commanding site between the City and the residential districts—cost £500,000; the H. H. Wills Physics Lab, opened in 1927, cost £200,000. The Fac. of Engineering is housed in the College of Technology. Canynge Hall, within easy reach of the Univ., accommodates the Depts. of Preventive Medicine and Pathol.

LIBRARIES, 160,000 vols. LABORATORIES: Scientific, Medical and Engineering, all equipped for purposes of research. Hospitals available for clin. study, the United Bristol Hospitals (comprising the Bristol Royal Hospital, Univ. of Bristol Dental Hospital, the Bristol Royal Hospital for Sick Children, the Bristol Eye Hospital, the Bristol Maternity Hospital and the Queen Victoria Jubilee Convalescent Home) and partly in the following hospitals under the control of the South Western Regional Hospital Board—Southmead Hospital, Ham Green Hospital, the Bristol Mental Hospitals, Stoke Park Colony and Winsley Sanatorium.

FACULTIES AND DEANS. Arts, Prof. D. G. James (Engl.); Science, Prof. W. Baker (Org. Chem.); Medicine, Prof. C. B. Perry (Med.); Engineering, Prof. G. H. Rawcliffe (Elect. Eng.); Law, Prof. M. M. Lewis (Law).

SPECIAL DEPARTMENTS. Law; Agriculture and Horticulture; Preventive Medicine; Medical Postgraduate Studies.

ADMISSION. *See* Appendix I.

DEGREE COURSES. B.A., B.A. (Com.), B Sc., B.Sc. in Engineering, LL.B.—3 yrs., including at least 2 in the Univ.; Honours in Arts (General and Special degrees), Pure Science and General Science—4 yrs., except for those who enter with Higher School Certif.; B.Sc. in Domestic Science—4 yrs.; by research in case of a graduate of another Univ.—2 yrs.; M.B., Ch.B.—5 yrs., after passing First examn. in Physics, Chem. and Biol.; B.D S.—4½ yrs., after passing a First examn. in Physics, Chem. and Biol., including at least 3 in the Univ.; B.V.Sc.—4 yrs., after passing First examn. in Physics, Chem. and Biol., including at least 3 in the Univ.

Instruction given in Theological subjects in the Associated Colleges to undergraduates 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.; M.Sc., D.Sc. (in Pure Sci. or Engineering); Ch.M., M.D.; LL.M., LL.D.; Ph.D. (see p. 16). Graduates of other Univs. are placed practically on the same footing as graduates of Bristol as regards facilities for proceeding to all these. Candidates who graduate with Honours in Science 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., the LL.D. 4 yrs. after graduating.

DIPLOMAS. Education (postgraduate), 1 yr., Public Administration, 2 yrs., Youth Service, 2 yrs, Child Study, 1 yr., Horticultural Science (postgraduate), 15 mos, L.D.S., 4 yrs., Public Health, 9 to 18 mos, Psychological Medicine, 6 mos, Medical Radiodiagnosis, 18 mos., Medical Radiotherapy, 2 yrs, Engineering, 3 yrs.

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. Certificates in Pomology, in Plant Physiology and in Entomology, 2 terms (postgraduate).

FEES. Matricn., 3 gs.; Registration, £1 : 10s.; Tuition, annual, B.A., B.A. (Theology), B.A. (Com.), £35 : 9s.*; B.Sc., B.Sc. (Dom. Sci.), £40 : 14s.*; B.Sc. in Engin., £51 : 4s *; LL B., £34 · 8s.*; M.B., Ch.B, entire curriculum, £271 : 10s.*; B.D.S., including mech. lab. and hospl. practice, £258 *; B.V.Sc., entire curriculum, £226 : 12s.*; Testamur in Social Study, 2 yrs., £60 *; Dip. in Public Admin., 2 yrs., £21; Dip. in Dental Surgery, including mech. lab. and hospl. practice, £245 : 10s.*; Dip. in Public Health, £52 · 10s.; Dip. in Psychological Med., £47 : 5s.; Dip. in Med. Radiodiagnosis, £52 : 10s.; Dip. in Med. Radiotherapy, £52 : 10s.; Certif. in Educn., 1 yr., £34 : 8s.; Midwife Teacher's Certif., 9 mos., £6 : 6s.; Training Course for Health Visitors, 6 mos., 10 gs.; Examination and degree fees: B.A., £9 : 18 : 6; B.Sc., LL.B., £13 : 1 : 6; M.B., Ch.B., £22 : 10 : 6; B.D.S., £27 : 5s.; B.V.Sc., £22 : 10 : 6; M.A., M.Sc. and LL.M., 9½ gs.; Ch.M., M.D.S., 24 gs.; M.D., 24 gs.; LL.D., 24 gs.; Ph.D., 13 gs. Univ. Union, £5 per annum. Home Students' Societies, 10s. 6d.

* Includes Union fee.

RESEARCH. The Colston Research Society devotes the proceeds of an annual collection to an annual symposium and to the promotion of Research in the Univ.

SCHOLARSHIPS FOR GRADUATES. Graduate Scholarships for Research (total not exceeding £2000 p.a.), value £85 to £150 each ; Studentship in Philosophy, £100 ; 2 Fellowships for Medical Research, £100 each ; Fellowship for Industry or Agriculture, £125 ; Fellowship for Rheumatism, £500 ; Fellowship for Economics, £600 ; Fellowships for Inorganic and Physical Chemistry, £1200 ; Studentship in Neurology and Psychiatry, £104. Scholarships : £80 for Chemical research ; £52 for Chemical Metall. research ; £40 and £31 (women only) ; £30 for study in English Lit. The Michael Hiatt Baker Scholarship, £200 p.a. for 2 yrs., is open to graduates from New Zealand.

RESIDENCE. Wills Hall (Warden O. D. Kendall, M.A.), Burwalls (Warden J. F. Sloane, B.Sc.), and Wraxall Court (Warden : J. K. Sutherland, B.Sc. Econ.), for men—£110 p.a. ; Clifton Hill House (Warden : J Winifred Macleod, M.A., B Litt.) and Manor Hall (Warden : Gladys M. Morgan, M.A), for women students—£100 p.a

For FORMER STUDENTS there is an Association of Alumni. Sec.—J Sagar, M.A.

ADULT EDUCATION. Organized through Univ. Dept. of Adult Education. Schemes of co-operation with Workers' Educational Association, all Education Authorities in Univ. region, and with Rural Community Council of Gloucestershire. Joint scheme for Dorset in collaboration with Univ. Coll , Southampton. 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 Natural Science. 2 tutors for Army Education.

STUDENT HEALTH SERVICES. Students admitted to the Univ. are required to undergo a Medical examn. in each of the first three undergraduate years. The examns. will be 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, near the Union and the main Univ. buildings, for physical training and quick-time exercises.

PUBLICATIONS. *Calendar* (Oct), 5s. post free ; Faculty Prospectuses issued in July ; Annual Report of Council ; Handbook and Directory of Adult Education, Public Lectures, Halls of Residence, Regns for Matricn and for School Certif. Examns. (*Examn. Papers*, 1s. 9d. per set post free) ; Students' Mag., *Nonesuch*, 1s.

THE YEAR 1948–49

BENEFACTIONS. Further anon. gifts amounting to £4943 towards the future establishment of a Chair of Psychiatry. A legacy of £3000 by the late Mrs. Lyndon. £500 from the Distillers Co. Ltd., for res. in the general field of Physical Chem. £250 from the Imperial Smelting Co. Ltd., for res. work on flourination i 1 the Dept. of Chem. £200 and a special grant of £50 for library purposes from the Joint Standing Cttee. of the Univs. and the Accountancy profession.

NEW BUILDINGS. A large bldg. has been erected on the Coliseum site, adjoining the Library, which will house the Anat. and Physiol. sections of the New Veterinary School. Parallel with this extension has proceeded the

adaptation of Langford House and its outbldgs. to provide lab. and animal housing facilities for Vet. Med. and Surgery. Site work has been started on ground near the Royal Fort for the erection of bldgs. for the Fac. of Engin. which will be moved from what was known as the Merchant Venturers' College, Unity Street.

NEW POSTS. Professorships in Vet. Anat.; and in Pharmacol. (for present Readership); Readerships in Anat., Psychol., History, Zool. and Ancient History (for present Lectureships); Sr. Lectureships in Chem., Physiol., Engl., Maths., Anæsthetics and Microbiol. (for present Lectureships); Sr. Lectureships in Hortic. Sci. and Vet Physiol.; Lectureships in Maths., Pharmacol., Physics, Educn., Prevent. and Soc. Medicine, Entomol., Geol., Physical Educn., Org. Chem. and Plant Physiol.; Clin. Teachership in Neuro-surgery; Asst. Lectureships in Engl., Electr. Engin., Physics, Psychol., Geog., Anat., French, Zool., Clin. Pathol and Psychiatry; Tutorships in Adult Educn., Surgery, Dental Surgery, Anæsthetics, Child Health, Laryngol., Rhinol. and Otol. and in Dermatol.; Jr. Fellowships in Electr. Engin. and Civ. Engin.; Recog. Teachership in Social Aspect of Child Health.

OTHER DEVELOPMENTS. The assocn. of the Bible Churchman's Coll., Bristol, with the Univ. for the purpose of instruction in Theol. subjects for the degree of B.A and of the Redland Training Coll., Bristol, to the Inst. of Educn.

CHANGES IN REGULATIONS. Matricn. regs have been revised and take effect after the inception of the General Certif. of Educn. Regs. governing the Univ. examns. for the new Certif. of Educn. have been approved. The Ordinance "of Degrees" governing the Fac. of Med. has been amended so as to allow for the degree of B.V.Sc. and for graduates of other approved Univs. to take the higher degrees of Master of Surgery, Master of Dental Surgery, Doctor of Medicine and of Doctor of Philosophy. An Ordinance and regns. have been instituted for a Dipl. in Child Study.

EXTRA-MURAL WORK. Extra-mural work: organized through Univ. Dept. of Adult Educn. Univ. Tutorial and Sessional classes, and shorter courses, in Bristol, Gloucestershire, Somerset, Wiltshire and W. Dorset; 21 three-yr. Tutorial Classes, 65 Sessional Classes, 81 Short Sessional Classes, 50 Short Courses. Special short courses and lectures organized by Resident Tutors in Bristol and in rural areas throughout the Univ. region. 120 short courses, 12 one-day schools and exhibitions, 496 single lectures. Public lectures to large audiences and advanced courses: 10 courses. Summer Schools and residential courses: 1 for extra-mural students; 1 for tutors in adult educn.; 2 for overseas students; 1 for Physicists; 2 for Probation Officers.

RETIREMENTS. Prof. H. R. Hassé (Maths.); Prof. A. Robertson (Engin.).

RESIGNATIONS. L. R. Moore (Stratigraphy), on appt. to the Sorby Chair of Geol. at the Univ. of Sheffield; W. Hobson (Prev. Med.), on appt. as Prof. of Soc. and Indust. Med. at the Univ. of Sheffield; H. A. Needham (Engl.), on appt. to the Civil Service Commission; A. G. Beverstock (Educn.), on appt. as Chief Education Officer to the Southern Electricity Board; J. B. Brierley (Anat.); E. T. Burtt (Entomol.); R. J. Fowler (Dentistry); A. Horseman (Physics); Dilys P. James (Agric.); M. B. Lennard (Anat.); A. R. G. Owen (Maths.); A. H. Phelan (Econ.); Mary Phillips (Bacteriol.); E. G. Redman (Radiodiagnosis); B. N. Temperley (Geol.); D. N. Walder (Physiol.); Hilary Wetherhead (Bacteriol.).

DEATHS. Emeritus Prof. S. H. Reynolds (Geol.); R. Henderson (Prov. Agric. Economist); J. P. Raban (Radiotherapy); Dr. George Nickson; Admiral Sir James Somerville; E. N. Tuck and W. A. Knight (Hon. Graduates); Rev. W. H. Pelham (Member of Court).

HONORARY DEGREES. *LL.D.*—F.M. Visct. Alanbrooke, Chancellor of the Queen's Univ., Belfast; H.E. Lewis Douglas, U.S. Ambassador. *D.Litt.*—Rev. Canon W. E. Beck, Retiring Principal of St. Paul's Coll., Cheltenham, and Dean-elect of Worcester; R. W. Moore, Head Master of Harrow; Prof. C. D. Broad, Prof. of the British Academy and Knightbridge Prof. of Moral Philos., Univ. of Cambridge. *D.Sc.*—Sir Alexander Fleming, Director of the Wright-Fleming Inst of Microbiol., St. Mary's Hospl.; Sir Richard Southwell, Rector of Imperial Coll. of Science and Technology. *M A.*—Alderman J. H. J. Matthews, Chairman of the Higher Educn. and Secondary Sub-Cttees. of the Southampton Educn. Cttee.; Alderman W. E. Stevens, Chairman of Wiltshire Educn. Cttee.; Alderman F. C. Williams, Chairman of Bristol Educn. Cttee. *Honorary Fellow:* Emeritus Prof. A. Robertson, who retired from the Chair of Engin. and the Deanship of the Fac., after being associated with the Univ. for 30 yrs.

STUDENTS. Total: 2753; full-time: 2238; pt.-time: 515; the total includes 891 women and 290 postgraduates.

DEGREES. B.A., 180; B.A. (Com.), 10; B.Sc., 131; B Sc. (Dom. Sc.), 9; B.Sc.Eng., 50, B D.S, 2; M B, Ch B., 46; LL B, 9; M A, 7; M.A.Educn. 3; M.Sc., 2; M.Sc.Eng., 1; M.D., 2; Ph.D., 23; D Sc., 3.

UNIVERSITY OF CAMBRIDGE

Founded in the XIIth century

CHANCELLOR—Marshal of the Royal Air Force, LORD TEDDER, G C.B , Hon. LL.D , Hon. Fellow of Magdalene College.

VICE-CHANCELLOR—S. C. ROBERTS, M A , Master of Pembroke College.

HIGH STEWARD—.....

DEPUTY HIGH STEWARD—Rt. Hon. BARON WRIGHT OF DURLEY, M.A., LL D Trinity.

COMMISSARY—Rt. Hon. Sir M. M. MACNAGHTEN, K.B.E., K.C., M A. Trinity.

PROCTORS—P DE K DYKES, M.A. King's, G M. STYLER, M.A. Corp.

ORATOR—W. K. C. GUTHRIE, M.A. Peterhouse.

REGISTRARY—W W. GRAVE, M A , Ph D Emmanuel.

FIRST ASSISTANT REGISTRARY—H. KIDD, M A Oxon. and Sid.

ASSISTANT REGISTRARIES—H. CLAYE, M A Gonville and Caius, L M HARVEY, M A St Catharine's.

SECRETARY GENERAL OF THE FACULTIES—J. T. SAUNDERS, M.A Christ's.

ASSISTANT SECRETARY GENERAL OF THE FACULTIES—W. J. SARTAIN, M.A. Selwyn.

LIBRARIAN—H. R. CRESWICK, M.A. Jesus

TREASURER—H. M. TAYLOR, M A., Ph D. Clare.

ASSISTANT TREASURER—C. R. MACDONALD, M.A., LL.B Gonville and Caius.

DIRECTOR OF THE FITZWILLIAM MUSEUM AND MARLAY CURATOR—C. WINTER, M A. Trinity.

ESQUIRE BEDELLS—C. H. THOMPSON, M A. Queens'; N. S WILSON, M.A. Pembroke.

CENSOR OF FITZWILLIAM HOUSE—W. S. THATCHER, M.A. Fitzwilliam House.

WELFARE OFFICER FOR UNIVERSITY ASSISTANTS—W. J. N. WARNER, M.A. St. John's.

DRAFTSMAN—A. W. HAZLERIGG, M.A. Clare.

DIRECTOR IN ESTATE MANAGEMENT—N. DEAN, M.A. Trin. H.

NOTE. The Colleges and Heads of Colleges are given on pp. 75 ff.

Telephone : Registry—Cambridge 54451.

TEACHING STAFF

Aeronautics, v. Engineering

Agriculture, v. *infra*

Altaic Languages, v. Oriental Langs.

Anatomy, v. also Zool.

Harris, H. A., D.Sc., M.D. Lond., B.Sc. Wales, M.A. Joh. Prof.
Green, H L H. H , M D Sid. Lectr.
Bull, M. M , M.A , M B., B Chir. Qu. Lectr.
Davies, J., M A Joh. Lectr.
Broomhead, I. W , M.A , M B., B.Chir Joh. Demr
Butler, H., B A., M B , B Chir Qu Lectr
Harty, M , M B , B Ch Dub , M A Down Lectr
Millen, J. W., M.D. Belf , M A. Cla Lectr
Woollam, D. H M , M A Pet Demr.
Wright, G. H , M.A King's Demr

Anglo-Saxon, etc.

Dickins, B , M A. Corp Prof
de Navarro, J. M., M.A. Trin. Lectr.
de Navarro, Mrs. A D M., Ph.D Newn Lectr
Blair, P. H., M A. Emm Lectr
Bromwich, Mrs R. S , M.A Newn. Lectr.
Chadwick, Mrs. N., M.A. Newn. Lectr.

Animal Pathology

Beveridge, W. I. B., D.V.Sc. Syd., M.A. Jes. Prof.
Comline, R. S., B.A., Ph.D. Trin. (Vet. Physiol.) Lectr.

Anthropology

Fortune, R. F., M.A. Emm. Lectr.
Jones, G. I., M.A. Jes. Lectr.
Trevor, J. C., B.Sc. Oxon., M.A. Emm. Lectr.

Anthropology, Social

Fortes, M., M.A. Oxon., Ph.D. Lond. William Wyse Prof.

Arabic, v Oriental Langs.

Aramaic, v. Oriental Langs.

Archæology, v. also Classical A., Classics, Oriental Langs.

Garrod, Dorothy A. E., M.A. Newn. Disney Prof.
Burkitt, M. C., M.A. Trin. Lectr.
Clark, J. G. D., M.A., Ph D. Pet. Lectr.
Daniel, G. E., M.A., Ph.D Joh. Lectr.

Architecture

Macgregor, J., M A Manc., M A. Qu Director, Sch of Arch.

Lecturers

Bicknell, P., M.A Jes
Dyson, W. P., M.A. Trin.
Roberts, D W , M A Joh
Tomlinson, H , M.A. Chr.

Asst. Lectrs.

Hunt, W. P., M.A.
Purcell, D. C., M.A.

Art

Pevsner, N. B. L., Ph.D. Leipzig, M.A. Joh
Slade Prof. of Fine Art and Lectr.

Assyriology, v. Oriental Langs.

Astronomy and Experimental Philosophy

Jeffreys, H , M.A. Joh. Plumian Prof.
Linfoot, E. H., D.Sc. Oxon., Sc.D. Joh.
Asst. Dir. Obs. and John Couch Adams Astronomer.

Astron. and Geom.

Hodge, W. V. D., M.A. Pemb., F.R.S. Lowndean Prof.

Astrophysics

Redman, R. O., M.A., Ph.D. Joh Prof, Dir Observatories
D. E Blackwell, M A. Pemb. Asst. Dir, Solar Physics Obs.
Wormell, T. W., M.A., Ph.D. Joh. Obs in Meteorological Phys

Sr. Asst. Observers

Beer, A., Ph D. Berlin, M A.
von Klüber, H., D.Phil. Berlin
Yates, G G, M A Jes

Jr Asst Observers

Ovenden, M W
Pierce, E. T, Cai

Biochemistry

Young, F. G, Ph D., D.Sc, M A. Trin H, F R I.C., F.R.S. Sir W Dunn Prof
Needham, N. J. T. M., M.A, Ph.D., Sc.D Cai. Sir W. Dunn Reader.
Dixon, M., Ph D., Sc.D. Emm. (Enzyme) Reader.
Gale, E F, Sc D Joh. (Chem. Microbiol.) Reader
Bailey, K, Ph.D. Trin. Asst. Dir. of Research.
Greville, G D, M A Emm. Lectr
Bell, D. J, M.A. Jes. Lectr.
Webb, E C., M A, Ph.D. Cla. Lectr
Harrison, K. P., M A. King's Demr.
Watchorn, Elsie, Ph D. Newn. Demr
Northcote, D. H, M.A. Down. Demr.

Biology

Keilin, D., M.A. Magd., F.R.S. Dir. of Molteno Inst. of Biology and Parasitol., Quick Prof.
Tate, P., Ph.D. Chr. (Parasitol.) Reader.
Hartree, E. F., M.A. Joh. (Cellular Biol.) Asst. Dir. of Research.

Botany, v. also Agric.

Briggs, G. E., M.A. Joh. Prof.
Catcheside, D. G., M.A Trin. (Plant Cytogenetics) Reader.
Maskell, E. J., M.A., Ph.D. Emm., F R.S. (Plant Physiol.) Reader
Hanes, C. S, Ph.D. Down (Plant Biochem.) Reader.
Godwin, H, M A, Sc.D. (Quaternary Research) Reader
Walker, D (Quaternary Research) Asst. in Research.

Lecturers

Gilbert-Carter, H., M.A. Trin.
Dowson, W. J, M A. Chr. (Mycol.).
Watt, A. S, B.A., Ph.D. Down. (Forest Bot).
Evans, G. C, M A, Ph.D Joh. (Plant Physiol.).
Robertson, N. F., M.A. Trin.
Corner, E. J. H., M.A. Sid.
Garrett, S D, Sc.D Magd.

Demonstrators

Whitehouse, H. L. K., M.A., Ph.D. Qu.
Rishbeth, J., M.A. Chr.
Sporne, K. R., M.A., Ph.D. Down.
Riches, J. P. R., M.A., Ph.D. Cla.

Cellular Biology, v. Biol.

Chemical Engineering, v. Engineering

Chemistry, v. also Biochem., Physiol. and Theoret. Chem.

Todd, A R, M.A. Chr. (Organic) Prof.
Emeléus, H. J., M.A. Sid. (Inorganic) Prof.
Mann, F. G., Ph.D., Sc.D. Trin. (Organic) Reader.
Johnson, A. W., Chr. (Organic and Inorganic Chem.) Asst. Dir. of Research.
Maddock, A. G., M.A. Cath. (Radiochem.) Asst. Dir. of Research.

Lecturers

Berry, A. J., M.A. Down.
Kipping, F. B., M.A., Ph.D. Trin.
Lythgoe, B , M A King's
Palmer, W. G., M.A., Sc D. Joh
Stockdale, D., M.A., Ph.D., Sc D. King's.
Maitland, P., Ph.D Jes.
Saunders, B. C., M A., Ph D., Sc D Magd.
Haszeldine, R. N., M A , Ph D. Sid.
Asst. in Res (Organic Chem.).

Demonstrators

Kenner, G. W , Ph.D. Tr H
Harley-Mason, J., M.A. Corp
Sykes, P , Ph.D Joh.
Murray, Alice R., M.A. Girton.
Sharpe, A. G , M A , Ph D. Jes

Chemistry, Physical

Norrish, R. G. W., B.A., Ph.D., Sc.D. Emm., F.R S. Prof.
Bowden, F. P., Ph.D., Sc.D. Cai., F.R.S. Reader.
Tabor, D , Ph.D. Cai. (Friction and Lubrication)
Asst. Dir. of Research.
..... H O. Jones Lectr
Moelwyn-Hughes, E. A., Ph.D. Corp. Lectr
Agar, J N , M.A., Ph D. Sid Lectr.
Ashmore, P G., M.A , Ph.D. Emm. Demr.
Sugden, T. M., M.A., Ph.D. Pemb. Demr
Harding, A. J., M A., Ph D. Cla. Demr.
G. Porter, B Sc. Leeds Demr.

Chemistry, Theoretical

Lennard-Jones, Sir J. E., D.Sc. Manc., Sc.D. Corp., F.R.S. J. H. Plummer Prof.
Boys, S. F., Ph.D. Trin. Lectr.

Chinese, v. Oriental Langs.

Classical Archæology

Lawrence, A. W., M.A Jes. Laurence Prof.
Cook, R. M., M A Cla Laurence Reader.

Classics

Page, D. L., M.A Oxon. (Greek) Reg Prof.
Mynors, R. A. B , M A. Pemb. (Latin) Kennedy Prof.
Gow, A S F , M A Trin Brereton Reader.
Charlesworth, M. P., M.A. Joh. (Anc. Hist.) Laurence Reader.
Guthrie, W K C , M A. Pet. Laurence Reader.

Lecturers

Beattie, A J , M A Sid (Anc. Hist.).
Camps, W. A , M A. Pemb.
Deas, H. T., M A. Cai.
Gardner, R., M A. Emm.
Gow, A. S. F., M A. Trin.
Griffith, G. T., M.A. Cai.
Guthrie, W K C., M.A Pet.
Hammond, N G. L., M.A Cla.
Howland, R. L , M.A. Joh.
Jolliffe, Norah C., M A. Girton.
Lucas, D. W., M.A. King's.
Papastavron, S J , M A Pemb. (Lewis Gibson Lectr. in Mod Gk)
Peck, A. L., M.A., Ph.D. Chr.
Rattenbury, R. M., M.A. Trin.
Sandbach, F. H., M.A. Trin.
Seltman, C. T., M A , Litt.D. Qu.
Toynbee, Jocelyn, M A. Newn.
Wilkinson, L. P., M.A. King's.
Raven, J. E., M.A. King's.
Lee, A. G., M.A. Joh
Stubbings, F. H., M.A , Ph.D. Emm.

Asst. Lectr.

Woodhead, A. G., M.A. Corp.

Colloid Science

Roughton, F. J. W., M.A., Ph.D. Trin. J. H. Plummer Prof.

Schulman, J. H., Sc.D, Ph.D Trin H.
Asst. Dir. of Research.
Johnson, P., M A, Ph D Trin.
Asst. Dir. of Research.
George, P, M.A., Ph.D. Chr.
Asst Dir. of Research
Gutfreund, H., Ph.D. Fitzw.
Asst in Research.
Longmuir, I. S., M.A., M.B., B.Chir. Joh.
Asst. in Research.

Criminal Science, v. Law

Crystallography, v. Physics

Czech

Auty, R., M.A. Cai. (German and Czech) Lectr

Divinity, v also Orient Langs

Marsh, Rev. F. S., M.A. Selw.
Lady Margaret's Prof.
Farmer, Rev. H. H., D.D. Glas, M.A. Jes. Norris-Hulse Prof.
Ramsey, Rev. A. M., B D Magd.
Reg. Prof.
Sykes, Rev. N., M.A. Emm.
(Eccles Hist) Dixie Prof
Ratcliff, Rev. E C, M.A. Joh.
Ely Prof.

Lecturers

Burnaby, Rev. H., M.A. Emm.
Burnaby, Rev. J., B.D. Trin.
Gardner-Smith, Rev. P., M.A, B.D. Jes.
Hart, Rev. H. St. J., M.A. Qu.
Heard, Rev. R G., M.A. Pet.
Moule, Rev. C. F. D, M.A Cla
Ramsey, Rev. Canon I. T., M.A. Chr.
Sanders, Rev. J. N., M.A. Pet.
Schofield, Rev. J. N., M.A. Chr
Stevenson, J., M.A. Joh.
Telfer, Rev. W., D.D. Selw.

Asst. Lectrs.

Chadwick, H., M.A., Mus.B. Qu.
Chadwick, Rev. W. O., M.A. Tr. H.
Woods, G. F., M.A. Down.

Economics and Politics

Robertson, D. H., M A. Trin.
(Polit. Econ.) Prof.
Postan, M. M., M.Sc. Lond, M.A. Pet. (Econ. Hist) Prof.
Robinson, E. A. G., C.M.G., M.A. Sid. (Econ.) Prof
Robinson, Mrs. Joan V., M.A. Girton Reader.
Sraffa, P., M.A. Trin.
Asst. Dir. of Res. in Econ.

Lecturers

Annan, N. G., M.A. King's.
Bauer, P. T., M.A Cai
Berrill, K. E., M.A. Trin.
Carter, C. F., M.A. Emm.
Cohen, Ruth L., M.A. Newn
Dennison, S R, M.A. Cai.
Dobb, M. H., M.A. Trin.
Guillebaud, C. W., M.A. Joh
Girdlers' Lectr.
Hagenbuch, W., M.A Magd.
Henderson, R F., M.A. Corp
Hollond, Mrs. Marjorie, Ph.D. Col., M.A. Girton.
Kahn, R. F., M.A. King's.
Kaldor, N., B Sc. Lond, M.A. King's.
Prest, A. R., M A., Ph D. Chr
Reddaway, W. B., M A Cla
Rowe, J. W. F., M.A. Pemb.
Thistlethwaite, F., M.A. Joh.
Johnson, H. G., B.A. Jes.

Asst. Lectrs.

Matthews, R. C. O., Joh.
Roy, A. D., B A. Sid. (Statistics).

Econ, Applied

Stone, J. R. N., M.A. King's
Director of Dept.

Education

Owst, G. R., Litt.D. Emm. Prof.
Thouless, R. H., M.A., Ph.D. Corp. (Educ. Psych.) Reader

Lecturers

Boulind, H. F., Ph.D. Lond., M A. Cla.

Ingram, W. G , B A. Lond
Verini, Eleanor M., M.A. Oxon. and Camb.

Departmental Lectrs

Bradshaw, Doris, M A Oxon
Gladwell, Constance W. L., M.A. Newn
Williams, Hilda, M.A. Girton.

Egyptology

Glanville, S. R. K , M.A. King's Herb. Thompson Prof.

Engineering, v. *infra*

English Literature, v. also Anglo-Saxon

Willey, B., M.A. Pemb. K. Ed. VII. Prof.

Readers

Bennett, H. S., M A. Emm.
Lucas, F. L., M.A. King's.

Lecturers

Bennett, Mrs. Joan, M.A. Girton.
Bradbrook, Muriel C., M.A , Ph D. Girton.
Davies, H. S., M.A. Joh.
Henn, T. R., C B.E., M.A. Cath.
Hodgart, M. J. C., M.A. Pemb.
Hough, G. G., M.A. Qu.
Leavis, F. R., B.A., Ph.D. Down.
Potts, L. J., M.A. Qu.
Rossiter, A. P., M.A. Jes.
Rylands, G. H. W., M.A. King's.
Tillyard, E. M.W., M.A., Litt.D. Jes.
Welsford, Enid E. H., M.A. Newn.

Asst. Lectrs.

Bromwich, J. I , M.A. Joh.
Burton, Kathleen M. P., M.A. Girton.
Turner, D. L., M.A. King's.

Entomology

Wigglesworth, V. B., M.D. Cai. Reader.
Thorpe, W. H., Sc.D., M.A., Ph.D. Jes. Lectr.

Enzyme Biochemistry, v. Biochemistry

Estate Management, v. Agric.

French

Green, F. C., M.A. Magd. and St. And , Ph.D. Cologne, D. de l'U. Paris Drapers' Prof.
Aston, S. C , M A , Ph D Cath. Lectr.
Beves, D. H., M.A. King's Lectr.
Charvet, P. E., M.A. Corp. Lectr.
Combe, T. G. S , M.A. Edin. and Camb , D de l'U. Bordeaux Lectr.
Fairlie, Alison A. B., Ph.D. Girton Lectr.
Harmer, L. C , M A , Ph.D Trin. Lectr.
Lough, J , M.A , Ph.D. Joh. Lectr.
Ladborough, R W., M A , Ph.D. Magd. Lectr.
McFarlane, I. D., M.A. Lectr.
Parmée, D , M A. Trin. Lectr.
Wallas, May G., M.A. Newn. Lectr.

Lectors

Le Franc, P
Poussard, M. J
Gasquet, E.
Tallot, J.

Genetics

Fisher, R. A , Sc.D. Cai Arthur Balfour Prof.
Cavalli, L. L., M.A. Cai. Asst. in Research.

Geodesy and Geophysics

Browne, B. C., M.A. Trin. (Exper. Geophysics) Reader.
Stoneley, R., Sc.D. Pemb. (Theoret. Geophysics) Reader.
Jackson, J. E., M.A. Joh. (Geod.) Lectr.
Runcorn, S. K., Ph.D. Manc., M.A. Cai. (Geophysics) Asst. Dir. of Research.
Cooper, R. I. B., M.A., Ph.D. Trin. Demr.

Hill, M. N , M.A. King's
Asst. in Research.

Geography

Steers, J. A., M.A. Cath. Prof.

Lecturers

Mitchell, Jean B., M.A. Newn.
Stanners, R. W , M.A.
Steers, Mrs H G , M.A. Girton.
Williams, W. W , M.A. Fitzw.
Lewis, W. V., M.A. Trin.
Thatcher, W. S., M A. Fitzw.
Anderson, Mrs. M. S., M.A. Girton.
Peel, R. F. E. W., M.A. Cath.

Demonstrators

Caesar, A. A. L., M.A. Selw.
Asst Lectr.
Farmer, B. H., M.A. Joh.
Grove, A. T., M.A. Cath.
Sparks, B. W , M A.

Geology, v also Mineral.

King, W. B. R , Sc.D. Magd., F.R S. Woodwardian Prof.
Bulman, O. M. B., Ph.D., Sc.D. Sid. (Palæozool) Reader.
Brighton, A. G , M A Chr. Lectr
Black, M., M.A. Trin. Lectr.
Allen, P., M.A Cath Lectr.
Harland, W. B., M.A. Cai. Lectr
Miller, T. G., M A Jes. Demr.

Geophysics, v. Geodesy and Geophysics

German

Butler, Eliza M , M.A Newn.
Schröder Prof

Lecturers

Auty, R., M.A. Cai. (and Czech).
Bennett, E. K., M.A. Cai.
Blackall, E. A., M.A. Cai.
Jones, T. D., M.A. Trin. H.
Knight, A. H J., M.A Trin.
Stopp, F. J., M.A. Emm.
Gray, R. D., M.A., Ph.D. Emm.

Lectors

Leisi, E.
Leonhardt, R.

Hebrew, v. Oriental Langs.

History

Bishop, T. A M., M A Joh. (Palæog and Diplomatic) Reader

Lecturers

Behrens, Catherine B. A., B.A Oxon. and Newn.
Bennett, R F , M A. Magd.
Brock, W R , M A , Ph D. Selw.
Bury, J. P. T., M.A. Corp.
Crawley, C. W., M A Trin. H.
Davidson, J. W , Ph.D Joh. (Colonial Studies).
Evennett, H. O., M.A. Trin.
Fisher, D. J. V , M.A. Jes.
Grierson, P., M A. Cai
Hinsley, F. H , M A. Joh
Kitson Clark, G. S. R., M.A. Trin.
Laffan, R. G. D , M A. Qu.
Lindsay, Mrs J O , M A., Ph D Girton.
Miller, E., M.A Joh.
Morris, G. C., M A King's
Pickthorn, K. W. M., M.A., Litt.D. Corp.
Plumb, J. H., Ph D. Chr
Purcell, V W W S , Ph D Trin.
Rich, E. E., M A. Cath.
Salter, F R., M A. Magd
Saltmarsh, J., M.A. King's
Smail, R. C., M.A., Ph.D. Sid.
Thomson, D., M A., Ph.D. Sid.
Ullmann, W., M.A. Trin
Welbourne, E , M.A Emm.
White, R J., M A. Down
Wilson, C. H , M A Jes.
Wormald, B. H. G., M.A. Pet.
Dickinson, J C , M.A Emm.
Asst. Lectr.
Elton, G. R., M.A. Asst Lectr.

History, Ancient, v. also Classics

Adcock, F. E., M.A. King's Prof.

History, Eccl., v. Div.

History, Econ.

Postan, M. M , M.Sc. Lond., M.A. Pet. Prof

History and Institutions, American

Hicks, J. D Prof., 1950–51.

History, Imperial and Naval

Walker, E. A., M.A Oxon and Cape, M.A. Joh.
Vere Harmsworth Prof

History, Mediæval

Knowles, Rev. M C , Litt D. Pet. Prof.

History, Modern

Butler, J R. M , M A Trin Reg. Prof

Butterfield, H , M.A. Pet Prof

Hygiene, v Med.

Industrial Relations

Kirkaldy, H S , M A Qu.
Montague Burton Prof

Iranian Studies, v. Oriental Langs.

Italian

Vincent, E. R P., D.Phil. Oxon., M.A Corp. Prof.

Reynolds, Barbara, B A , Ph D Lond , M A Girton Lectr.

Pettoello, D. E. S., Dr.Phil. Turin, M A. Jes. Lectr.

Foster, F. S , M A., Ph D. Chr. Lectr

Rusconi, Count C. J. Lector.

Limentani, U. Asst Lectr.

Japanese, v Oriental Langs.

Latin, Mediæval

Brittain, F., Litt.D. Jes. Lectr.

Law, v. *infra*

Logic, v Philos.

Mathematics, v. also Physics

Dirac, P. A. M., Ph.D. Joh , F.R.S. Lucasian Prof

Mordell, L. J., M A. Joh. (Pure M.) Sadleirian Prof.

Besicôvitch, A. S , M.A. Trin., F.R.S. Rouse Ball Prof.

Hall, P., M.A King's (Algebra) Reader.

Lecturers

..... Cayley Lectr.

Anscombe, F. J., M.A. Trin.

Babbage, D. W., M.A., Ph.D. Magd.

Batchelor, G. K., Ph.D. Trin.

Bondi, H., M.A. Trin.

Burkill, J. C., Sc.D Pet.

Cartwright, Mary L , M A., Sc.D. Girton

Daniels, H E , M A. Cla.

Dean, W. R., M.A. Trin.

Grimshaw, Margaret E., M.A. Newn

Hamilton, J , Ph D Manc.

Hoyle, F , M A. Joh

Ingham, A. E., M.A King's.

Kemmer, N , M A Trin

Lyttleton, R. A., M.A , Ph.D. Joh.

Pars, L. A , M A. Jes.

Powell, F. C., M A., Ph D. Cai.

Rankin, R. A., M A , Ph D Cla

Rees, D , M A. Sid.

Smithies, F , B A., Ph.D. Joh

Steen, S W. P., M.A Chr.

Todd, J. A., B.A., Ph.D. Trin., F.R S.

Ward, A J , Ph.D. Emm.

White, F. P., M A. Joh.

Wylie, S., M A. Tr. H.

Demonstrators

Lindley, D. V., M.A. Trin.

Renwick, W., B.Sc. Glas.

Asst Lectrs

Northcott, D. G , M.A , Ph.D. Joh.

Taunt, D. R., M A., Ph.D. Jes.

Mathematical Laboratory

Wilkes, M. V., M.A., Ph.D. Joh. Director.

Medicine and Surgery, v. *infra*

Metallurgy

Austin, G. W., M.A. Trin. H. Goldsmiths' Prof.

Evans, U. R., Sc.D. King's, F.R.S. (Metallic Corrosion) Reader
Hoar, T. P., M.A., Ph D. Sid. Lectr.
Smith, G. C., M.A. Pemb. Demr
Nutting, J , B Sc Leeds Demr.

Meteorology, v. Astrophysics

Mineralogy and Petrology

Tilley, C. E., Ph.D. Emm , F R S Prof.

Lecturers

Wooster, W. A., M A , Ph D. Pet
Nockolds, S. R., Ph D. Trin.
Evans, R. C., M.A., Ph.D. Cla.
Henry, N. F. M., Ph.D. Joh.

Demonstrators

Douglas, Mrs A. M B , M A Girton.
Nye, J. F., M A., Ph.D. King's.
Scoon, J H., B.Sc Lond Asst. in Research.

Moral Science, v. Philos.

Music

Hadley, P. A. S , Mus.D. Cai Prof
Middleton, H. S., M.A., Mus.D. Trin. Lectr.
Moule, H. C C., M.A , Mus B. Trin. Lectr.
Ord, B., M.A., Mus.B. King's Lectr.
Orr, R. K., M.A , Mus.B. Joh Lectr.
Radcliffe, P. F., M.A., Mus.B. King's Lectr
Dart, R. T., M.A. Cai. Asst. Lectr.

Mycology, v. Botany

Oriental Langs., v. *infra*

Palæozoology, v. Geology

Parasitology, v. Biology

Pathology, v. Medicine

Persian, v. Oriental Langs.

Petrology, v. Mineralogy

Pharmacology, v. Medicine

Philology, Comparative

Jopson, N. B., M.A. Joh. Prof.

Philosophy

von Wright, G. H., lic. phil. Helsingfors, M.A. Trin. Prof.

Philosophy, Ancient

Hackforth, R., M.A. Sid. Laurence Prof.

Philos , Moral, v. also Psychol.

Broad, C. D., Litt.D. Trin. Knightbridge Prof.
Braithwaite, R. B., M.A. King's Sidgwick Lectr.
Ewing, A. C., M A , Litt. D Trin. H. Lectr.
Wisdom, A. J. T. D., M.A. Trin. Lectr.
Allan, C G. A , M.A Pet. Asst. Lectr.

Philos., Natural

Frisch, O. R., D.Phil. Vienna, M.A. Trin., F.R.S Jacksonian Prof.

Physics, v. also Philos., Nat.

Bragg, Sir W. L., O.B.E., Sc D Dub., M.Sc. Manc , M A Trin., F.R.S., F.Inst P. (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. (Crystallography) Reader.
Ratcliffe, J. A., M.A. Sid. Reader.
Shire, E. S., M.A. King's Reader.

Lecturers

Ashmead, J., M.A., Ph.D. Trin.
Burcham, W. E., B.A., Ph.D. Selw.
Cosslett, V. E., M.A. Pemb.

Horton, Mrs. Ann C., M.A. Newn.
Kempton, A. E., M.A., Ph.D. Chr.
Pippard, A B., M.A. Cla.
Ryle, M., M.A. Trin.
Scott, J. M. C., M.A. King's.
Shoenberg, D., B.A., Ph.D. Trin.
Temperley, H. N. V., M.A. King's.

Demonstrators

Baxter, A. S , Ph D Emm.
Budden, K. G , M.A., Ph.D. Joh.
Cochran, W., M.A. Down.
Findlay, J. W., M.A. Qu.
French, A. P., M.A., Ph.D Pemb
Gold, T., M A. Trin.
Weekes, K., M.A., Ph.D. Magd.
Wilkinson, D. H., M.A., Ph.D. Jes.
Megaw, Helen D., M.A., Ph.D. Girton (Crystallography) Asst. Dir. of Research.
Bradfield, J. R. G., M.A., Ph D. Trin. (Electron Microscopy) Asst. in Research.
Falloon, S. W. H. W., B.A. Qu. (Radio-Physics) Asst. in Research.

Physiology, v. also Agric.

Adrian, E. D., M.A , M.D. Trin Prof.
Adair, G. S , M.A. King's, F.R.S. (Biophysics) Reader.
Matthews, B. H. C , M A , Sc.D. King's (Exper. Physiology) Reader.
Willmer, E. N., Sc.D. Cla. (Histol.) Reader.
Harris, G. W., M.D., Sc.D Emm. Lectr.
Rushton, W. A. H., Sc D. Trin., F.R.S. Lectr.
Pratt, C. L. G , M.A. Chr. (Mammalian P.) Lectr.
Tunnicliffe, H. E., M.A. Cai. Lectr.
Comline, R. S., B.A., Ph.D. Trin. (Vet. Physiol.) Lectr.
Hammond, J., M.A. Chr. Demr.
Huxley, A. F., M.A. Trin. Demr.
Hodgkin, A. L., M.A. Trin., F.R.S. Asst. Dir. Physiol. Res.

Polish

Lewitter, L. R., M.A. Chr. Asst. Lectr.

Political Economy, v. Econ.

Political Science

Brogan, D. W., M.A. Glas., Oxon. and Peterhouse Prof.

Portuguese

Barker, J. W., M.A., Ph.D. Down. Lectr.

Psychology, Exper , v. also *infra* Med.—Psychol., Clin.

Bartlett, Sir F C., M.A Joh , F.R.S (Dir. of the Psych. Lab) Prof.
Grindley, G. C., M.A., B Sc. Brist. Lectr.
Welford, A. T., M.A. Joh. Lectr.

Psychology, Industrial

Farmer, E., M.A. Trin. Reader.
Chambers, E. G., M.A. Cla. Asst. Dir. of Research

Quaternary Research, v. Botany

Rabbinics, v. Oriental Langs.

Radiochemistry, v. Chemistry

Radio-Physics, v. Physics

Radiotherapeutics, v. Medicine

Russian

Andreyev, N. Lector.

Sanskrit, v. Oriental Langs.

Scandinavian Studies

Downs, B. W., M A. Chr. Prof.
Bredsdorff, E. L., M.A. (Danish) Lectr.
Mortensen, Brita M. E., M.A. Newn. Lectr.

Semitic Epigraphy, v. Oriental Langs.

Serbo-Croat

Stajić, M. Lector.

Slavonic Studies

Hill, Elizabeth M., Ph.D. Lond., M.A. Girton Prof.
Auty, R., M.A. Cai. (German and Czech) Lectr.
Young, W. I. H. S., M.A. Magd. Lectr.
Fennell, J. L. I., M.A. Trin. Asst. Lectr.
Sands, E. R., M.A. Emm. Asst. Lectr.
Squire, P. S., B.A. Chr. Asst Lectr.

Soil Physics, v. Agric.

Spanish

Trend, J. B., M.A., Litt.D. Chr. Prof.
Barker, J. W., M.A., Ph.D. Down (and Portuguese) Lectr.
Bullock, T. W. I., M.A. Qu. Lectr.
Grant, Mrs. H. F., M.A. Girton Lectr.
Macdonald, Inez I., M.A., Ph.D. Newn. Lectr.
Milburn, A. R , M.A. King's Lectr.
Castillo, J. L., B A. Fitzw Lector
Martínez-Lorite, Carmen Lector.

Statistics

Wishart, J., M.A. Cla. and Edin., D.Sc. Lond. Reader.
Osborn, W. T., M.A. Asst. in Research.
Faculty Asst. Lectr.
Roy, A. D., B.A. Sid.

Theology, v. Divinity

Tibetan, v. Oriental Langs.

Veterinary Medicine, v. Animal Pathology

Zoology, v. also Animal Path., Entom.

Gray, J., D.Sc. Aberd., M.A., Sc.D. King's, F.R.S. Prof. of Zool. and Dir. Sub-Dep. of Exper. Zool.
Pantin, C. F. A., M.A , Sc.D. Trin., F R.S. (Invertebrate Z.) Reader.
Ramsay, J. A., M.A., Ph.D. Qu. Harding Lectr.

Lecturers

Carter, G. S., M A., Ph.D. Corp.
Cott, H B., D Sc. Glas., Sc.D. Selw.
Hollick, F. S. J., M.A., Ph.D. Joh.
Parrington, F. R., M.A. Sid.
Pringle, J. W. S., M A. Pet.
Salt, G , Ph.D., Sc.D. King's.
Smart, J., D.Sc. Edin., M.A. Cai
Smith, S., M.A , Ph.D. Cath.

Asst Directors of Research

Lissmann, H. W., M.A. Hamburg, M A.
Picken, L. E. R , M.A., Ph D Jes.
Brown, R H. J , M A , Ph D. King's.

Demonstrators

Brown, Margaret E , M A., Ph.D. Girton.
Green, R. A , B Sc Lond., Ph D Joh.
Pryor, M. G M., B.A , Ph D. Trin.
Swann, M. M., M.A. Cai.
Whiting, H. P , M A , Ph.D. Qu

Agriculture

v. also Biology

Engledow, Sir F. L , C.M.G , M.A Joh , F.R S. Drapers' Prof.
Mansfield, W. S., M.A Emm. Dir of Univ. Farm.

Lecturers

Brookes, A. J., M.A. Selw.
Dickinson, S., M.Sc. Wales, Ph.D. Minnesota, M.A. Emm.
Evans, R. E., Ph D. Cai
Halnan, E. T., M.A. Trin.
Hanley, F., M.A. Cla.
Hughes, R. E., Ph.D. Wales, M.A. Cla.
Jones, F. G. W., M.A. Jes.
Line, J., M.A. Emm.

Nicholson, H. H., M.A. Selw.
Woodman, H. E., M.A. Down.

Demonstrators

Arnold, P. W , B Sc. Wales, M.A.
Baldwin, G. G , B A. Chr.
Barker, M. G., M A. Trin.
George, N C , Ph D Fitzw
Gilmour, D G , M A , Ph D. Cath
Leach, R , B A Emm.
Nicholson, M., M A. Trin.
Ridgman, W. J., M.A. Qu

Agric. Econ. and History

Whetham, Edith H., M.A. Newn. Gilbey Lectr.
Plant, Marion S. C , B Sc Wales (Econ of Agriculture) Asst. in Research

Agric Physiology

Hammond, J., C B E , D Sc Iowa, M.A Down , F R S Reader.

Animal Pathology

Beveridge, W. I. B , D V.Sc Syd., M A. Jes. Prof

Estate Management

Denman, D R., M.A Chr Lectr.
Elgar, W. H , M Eng. Sheff , M.A. Down Lectr.
Rathbone, R. A., B Arch. Liv. Lectr.
Miles, C. W. N , M A. Jes. Lectr
Lee, W. L. Asst. Lectr.

Forestry

Thompson, C. H., M.A. Qu. Gurney Lectr.

Soil Physics

Childs, E. C., Ph.D., Sc.D. Cla. Asst. Dir. of Research.

Engineering

Baker, J F., O.B E., Sc D. Cla. (Mechanical Sciences) Prof. and Head of Dept. of Eng.
Moullin, E. B., Sc.D. King's (Electrical Engineering) Prof.

Readers

Tipper, Mrs. C. F., Sc.D. Newn.
Turner, L. B., Sc.D. King's.

Lecturers

Bird, A. L., M.A. Pet. (Applied Thermodynamics) Hopkinson Lectr.
Angus, R. H , M.A. Sid.
Binnie, A. M., M.A. Trin.
Brookes, A. M. P , M A Joh.
Brooks, J. H., M.A. Cath.
Browne, A. D , M A. Qu.
Bull, F. B., M.A. Qu.
Caldecote, Visct., M.A. King's.
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
Haywood, R W., M.A. Fitzw
Johnson, D. C., M.A. King's.
Lubbock, R , M A Pet
Marples, D. L , M.A. Trin. H.
Middleton, G E., M.A. Emm.
Oatley, C. W , M A Trin
Percival, A L , M A Jes
Phear, H. W., M.A. Cai.
Portway, D., M A. Cath.
Rhoden, H. G., M A. Joh.
Roscoe, K. H., M.A. Emm.
Sterland, E. G., M.A. Chr.
Womersley, W. D., M.A. Emm.
Woodward, W. E., M.A. Trin.
Wyatt, T. C., M.A. Chr.
Yates, J. G., M.A. Joh.

Demonstrators

Bentley, K., M.A. Cath.
Hammond, P., M.A. Emm.
MacLellan, G. D S., M.A., Ph.D. Pemb.
Macmillan, R. H., M.A. Emm.
Neal, B. G., M.A., Ph.D. Trin. H.
Pascoe, K. J., M.A. Joh.
Robinson, F. D., M.A. Cla.
Sander, K. F., M.A. Trin.

Swindells, B., M.A.
Roderick, J. W., M.A.
Asst. Dir. of Research.

Aeronautics

Jones, Sir B. M., C.B.E., M.A. Emm., F.R.S.
Aeronautical Engineering F. Mond Prof.
Haslam, J. A. G., M.A. Corp. Lectr.
Preston, J. H., M.A. Joh. Lectr.

Chemical Engineering

Fox, T. R. C., M.A. King's Shell Prof.
Denbigh, K. G., M.A. Lectr.
Sellers, E. S., M.A. Lectr.
Danckwerts, P. V., M.A. Joh. Demr.
Kay, J. M., M.A. Trin. H Demr.

Law

Hamson, C. W F. J., M.A , LL M. Trin. (Comparative Law) Reader.
Radzinowicz, L., M.A. Trin. (Criminal Science)
Asst. Dir. of Research.

Lecturers

Armitage, A. Ll., M A. Qu.
Ashton-Cross, D. I. C., B.L. Edin., M.A. Joh.
Barnes, H., M.A., LL.B. Jes.
Daube, D., Ph D. Cai.
Gooderson, R. N., M.A. Cath.
Ellis Lewis, T., Ph.D. Trin. H.
Jennings, R. Y., M.A., LL.B. Jes.
King, B. E., M.A., LL.B. Pemb.
Lipstein, K., Ph.D. Trin.
Parry, C., LL.B. Down.
Scott, K., M.A., LL.B. Joh.
Thomas, T. C., M.A., LL.B. Tr. H.
Thornely, J. W. A., M.A. Sid.
Turner, J. W. C., M.A., LL.B. Trin. H.
Wade, H. W. R., M.A. Trin.
Whalley-Tooker, H. C., M.A., LL.M. Down.
Milsom, S. F C., M.A. Trin. Asst. Lectr.

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., LL D. Lond., Dr. Jur., Dr. Sc.Pol. Vienna, LL.D. Trin. Whewell Prof.

Laws of England

Wade, E. C. S., M.A., LL.D. Cai. Downing Prof.
Jackson, R. M., M.A., LL.D. Joh. (Public L. and Admin.) Reader.

Medicine

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

Human Ecology

Banks, A. L., M.D. Lond., M.A. Trin H., F.R.C.P. Prof.
McFarlan, A. M , M.A., M.B., B Chir. Trin. H. Reader.

Medicine, v. also Physic

McCance, R. A., M.A., M.D., Ph D. Sid., F.R.C.P., F.R.S. (Experimental Medicine) Prof.
Hynes, M., M.D. Joh. Reader.
Robinson, J. R., M.A., Ph.D., M.B., B.Chir. Emm. (Exper. Med.) Asst. Dir. of Research.

Mental Pathology, v. Psychol., Clin.

Morbid Histology

Williamson, R., M.A. Cla. Reader.

Pathology

Dean, H. R., M.D. Trin. H. Prof.

Greaves, R. I. N., M.A., M.B., B.Chir. Cai.
(Bacteriology) Reader.
McCullagh, G. P., M.D. Belf., M.A. Qu. Lectr.
Stoker, M. G. P., M.D. Cla. Lectr.
Naylor, G. R. E., M.A., M.B., B.Chir. Cai. Demr.
Cater, D. B., M.A., M.B., B.Chir. Qu. Demr.
Roberts, G. F., M.A., M.B., B.Chir. Qu. Demr.
Finter, N. B., M.A., M.B., B.Chir. Emm. Demr.
Herbertson, B. M., M.A. Magd. 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.
Univ. Asst. Dir. of Public Health Lab. Service.
Dean, J. H., M.A., M.B., B.Chir. Cai.
Univ. Asst. Pathologist to Addenbrooke's Hospital.
Marks, J., M.B., B.S. London, M.A. Down.
Univ. Asst. Pathologist to Addenbrooke's Hospital.

Pathology, Chemical
Dixon, K. C., M.A., Ph.D., M.B., B.Chir. King's Lectr.

Pathology, Special
Miles, J. A. R., M.A., M.B., B.Chir. Cai. Huddersfield Lectr.

Pharmacology
Verney, E. B., M.A., M.B., B.Chir. Down., F.R.C.P., F.R.S. Sheild Prof.
..... Lectr.
Jewell, P. A., B.A. Joh. Asst. in Res.

Physic
Whitby, Sir L E. H., C.V.O., M.C., M.A., M.D. Down. Reg. Prof.
Hynes, M., M.D. Joh.
Assessor to Reg. Prof. Physic.

Psychology, Clinical
Russell-Davis, D., M.D. Cla. Reader.

Radiotherapeutics
Mitchell, J. S., M.A., Ph.D , M.B., B Chir. Joh. Prof.
Freundlich, H. F., M.A.
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 applics. of high-voltage apparatus to Radiotherapeutics.
Marrian, D. H., Ph.D. Cai. Asst. in Res.

Oriental Languages

Altaic Languages
Sinor, D., M.A. Lectr.

Arabic
Arberry, A. J., Litt.D. Pemb. Sir T. Adams's Prof.
Sai'id, J. Lector.
Wickens, G. M., M.A. Trin. Lectr.

Aramaic
Goodman, A. E., M.A. Cai. Lectr.

Assyriology
Winckworth, C. P. T., M.A. Chr. Eric Yarrow Lectr.

Chinese Language and History

Haloun, G., Ph.D. Leip., M.A King's Prof.

Davis, A. R., M.A. Pet. Asst Lectr.

Huan, Mrs. Yang Wang (Modern Chinese) Lector.

Coptic

Plumley, J. M., M.A. King's Assoc. 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.

Iranian Studies

Gershevitch, I., M.A. Lectr.

Islamic History

Dunlop, D. M , B.A. Oxon., M.A Lectr.

Japanese

Ceadel, E. B., M.A. Chr. Lectr.

McEwan, J. R., M.A. King's Asst Lectr

Keene, D. L., M.A. Corp. Asst. Lectr.

Near Eastern History

Munn-Rankin, Joan M., M.A. Newn. Asst Lectr.

Persian

Levy, R., M.A , Litt.D. Chr. Prof

Haidari, A. A. Lector.

Rabbinics

Teicher, J. L., Ph D. Florence, M.A. Lectr.

Sanskrit

Bailey, H. W., D.Phil. Oxon., M.A. Qu. Prof.

Smith, R. M., M.A. Pemb. Lectr.

Semitic Epigraphy

Diringer, D., M.A. Lectr.

Tibetan

Bailey, D. R. S., M A Cai. Lectr.

Frazer Lecturer (Social Anthropology—Oxford, Cambridge, Glasgow, Liverpool, in rotation)

.....

Hulsean Lecturer (Christian Theol)

.....

Leslie Stephen Lecturer

.....

Norman Maccoll Lecturer

.....

Alfred Marshall Lecturer

1949–50—Prof W. K. Hancock, M.A. Oxon., Univ of London.

1950–51—Dr G Myrdal, Stockholm

Rede Lecturer

1950—Sir E. E Bridges, G.C B.

Rouse Ball Lecturer (Maths)

.....

Sandars Reader (Bibliography)

1951—H S Bennett, M A. Emm

Scott Lecturer (Physics)

.....

Stanton Lecturer (Philos of Religion)

1950–53—Dorothy M. Emmett, M.A Oxon.

Hulsean Preacher

1949–50—Rev. J. S. Boys Smith, M.A. Joh.

1950–51 — Rev I T Ramsey, M.A. Chr.

Lady Margaret's Preacher

1950–51—Rev. J. Burnaby, B.D. Trin

University Extension

Tutors, apptd. by B. of Extramural Studies : M H Clifford, M.A., Ph.D. Down., H. H

Daisley, M.A. Chr., A. E. Douglas-Smith, M.A. Emm., J. Hampden Jackson, M.A. Oxon, L James, M.A. Liverpool, F. Lee, B.A. Lond., Helen O. Lowenthal, B.A. Lond, Lillie M. Springall, B.A., Ph.D. Lond., H. A. Clement, M.A Trin., C. P. Griffiths, B.A. Wales, C. Lee, M.A. Oxon., C. H. Macgregor, B.A. Magd., J. R. Mitchell, B.A. Sid., L. M. Munby, M.A. Oxon, F. V. H. Ramsbottom, M.A. Cath., C. L. Wayper, M.A. Cath., Rachel M. Young, B A. Oxon., G S Zair, M.A. Magd.

THE COLLEGES

CHRIST'S COLLEGE. Founded 1506. Tel. No.: Cambridge 5094.

Master—B. W. Downs, M.A., Prof of Scand Studies

Fellows

Campbell, S. G., M.A.
Saunders, J. T., M.A., *Sec. Genl of the Faculties*
Grose, S. W., M.A., *Prælector.*
Wyatt, T. C., O.B.E., M.A., *U. Lectr. (Engin), Bursar.*
Steen, S. W P., M.A., *U. Lectr. (Maths.).*
Steel, A. B., O.B.E., M.A
Peck, A. L., M.A., Ph.D., *U. Lectr (Classics), Librarian.*
Snow, C. P, Ph D
Trend, J. B., M.A., *Prof. (Spanish).*
Davies, R. D., M.A., Ph.D., *U. Lectr. (Eng.).*
Ramsey, Canon I. T., M.A., *Reader in Chapel, Tutor, U. Lectr. (Div.).*
Todd, A.R., M.A., F.R.S., *Prof (Chem).*
Plumb, J H, Ph D, *Steward, U. Lectr. (Hist)*
Hartree, D. R, M.A., Ph.D., F.R S., *Prof. (Math. Phys.).*
Kempton, A. E., Ph D, M A, *U. Lectr. (Physics and Chem.)*
Pratt, C. L. G., O B.E, M A, *Tutor, U. Lectr. (Physiol.).*
Hall, A. R., M.A.

CLARE COLLEGE. Founded 1326. Tel. No: Cambridge 3454.

Master—H. 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., *Bursar, Financial Tutor.*
Godwin, H., M.A., Sc.D., Ph.D., *Reader (Quaternary Research).*
Hammond, N. G. L., M.A., *Tutor, U. Lectr. (Classics).*
Jones, O. T., D.Sc. Wales, M.A., F.R.S.
Taylor, H. M., M.A., Ph.D., *U. Treasurer.*
Hutton, R. S., D.Sc. Manc., M.A.
Willmer, E. N., M.A., Sc.D., *Prælector, Reader (Histology).*
Reddaway, W. B., M.A., *U. Lectr. (Econ.).*
Parry, J. H., M A., Ph.D.
Rankin, R. A., M.A., Ph.D., *Asst. Tutor, U. Lectr. (Maths.), Prælector*
Chibnall, A. C., M.A., Sc.D.
Baker, J. F., M.A., Sc.D., *Prof. (Mech. Sciences).*
Moule, Rev. C. F. D., M.A., *Dean, U. Lectr. (Div.).*
Cooper, B., M.A., *Bursar, Steward, U. Lectr. (Eng.).*
Pippard, A. B., M.A., *U. Lectr. (Physics), Librarian.*
Forbes, D., M.A.
Riches, J. P. R., M.A., Ph.D., *U. Demr. (Botany).*

Stoker, M. G., P., M.A., M.D., *Asst. Tutor, U. Lectr.* (*Path.*).
Spencer, P. H., M.A.
Kingsford, R. J. L., M.A., *Sec. U. Press Syndics.*
Smith, J. D., M.A., Ph.D.

CORPUS CHRISTI COLLEGE. Founded 1352. Tel. No.: Cambridge 5018.

Master—Sir Will Spens, C.B.E., LL.D. St. And. and Columbia, M.A., Chev. Lég. d'H.

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., M.A.
Charvet, P. E., M.A., *President, U. Lectr.* (*French*), *Bailiff.*
Carter, G. S., M.A., Ph.D., *U. Lectr.* (*Zool.*), *Sr. Tutor.*
Lennard-Jones, Sir John E., D.Sc. Manc., Sc.D., F.R.S., *J. H. Plummer Prof.* (*Chem., Theoretical*).
Lee, H. D. P., M.A.
Bury, J. P. T., M.A., *U. Lectr.* (*Hist.*), *Librarian.*
Vincent, E. R. P., M.A Oxon. and Camb., D.Phil. Oxon. *Prof* (*Italian*).
Smyth, Rev. Canon C. H. E., M.A.
Thouless, R. H., Ph.D., *Reader* (*Educ. Psych.*).
Spens, P. G., M.A., *Steward of Coll., U. Demr.* (*Eng.*).
Harley-Mason, J., M.A., *Prælector, Dean of Coll., U. Demr.* (*Chem.*)
Dickins, B., M.A., *Elrington and Bosworth Prof.* (*Anglo-Saxon*).
Pippard, J. S., M.B., B.Chir., M.A.
Henderson, R. F., M.A., *Treasurer, U. Lectr.* (*Econ.*).
Moore, E. G., M.A.
Styler, Rev. G. M., M.A., *Tutor, Dean of Chapel.*
Walls, R. C., B.A.
Woodhead, A. G., B A.

DOWNING COLLEGE. Founded 1800. Tel. No.: Cambridge 5091.

Master—Sir Lionel E. H. Whitby, C.V.O., M.C., M.A., M.D., *Regius Prof. of Physic.*

Fellows

Berry, A. J., M.A., *Prælector, U. Lectr.* (*Chem.*).
Thomas, H. H., M.B.E., M.A., Sc.D., F.R.S.
Whalley-Tooker, H. C., M.A. Oxon. and Camb., LL.M., *Tutor, U. Lectr.* (*Law*).
Cuttle, W. L., M.A., *Tutor, Librarian.*
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., *Reader* (*Agric. Physiol.*).
Leavis, F. R., B.A., Ph.D., *U. Lectr.* (*English*).
Wild, F., M.A., Ph.D., *Tutor.*
White, R. J., M.A., *Dean, U. Lectr.* (*Hist.*).
Parry, C., LL.B., *Tutor, U. Lectr.* (*Law*).
Hanes, C. S., Ph.D., F.R.S., *Reader* (*Plant Biochem.*).
Woods, Rev. G. F., M.A., *Chaplain and Tutor, U. Asst. Lectr.* (*Div.*).

EMMANUEL COLLEGE. Founded 1584. Tel. No.: Cambridge 4239.

Master—T. S. Hele, O.B.E., M.A., M.D.

Fellows

Wood, P. W., M.A.
Greenwood, L. H. G., M.A.
Brooks, F. T., LL.D. St. And., M.A., F.R.S., *Prof.* (*Bot.*).
Jones, Sir Bennett Melvill, C.B.E., A.F.C., M.A., F.R.S., *Francis Mond Prof.* (*Aeronaut. Engin.*).
Gardner, R., M.C., M.A., *Bursar, U. Lectr.* (*Classics*).

Burnaby, Rev. H., M.A., *Tutor, Dean, U. Lectr.* (*Div.*).
Wallace, J. C., M.C., M.A.
Welbourne, E., M.C., M.A., *Sr. Tutor, U. Lectr.* (*Hist.*).
Line, J., A.F.C., M.A., *U. Lectr.* (*Agric.*), *Steward.*
Bennett, H. S., M.A., *Reader* (*English*), *Librarian.*
Tilley, C. E., Ph.D., F.R.S., *Prof.* (*Mineral. and Petrol.*).
Norrish, R. G. W., Ph.D., Sc.D., F.R.S., *Prof.* (*Phys. Chem.*).
Grave, W. W., M.A., Ph.D., *U. Registrary.*
Mansfield, W. S., M.A., *Dir. of Univ. Farm.*
Owst, G. R., M.A., Litt.D., *Prof.* (*Educn.*).
Maskell, E. J., M.A., Ph.D., *Reader* (*Plant Physiol.*).
Sykes, Rev. N., D.Phil. Oxon., M.A., *Dixie Prof.* (*Eccles. Hist.*).
Ward, A. J., B.A., Ph.D., *Asst. Bursar, U. Lectr.* (*Maths.*).
Blair, P. H., M.A., *Tutor, U. Lectr.* (*Anglo-Saxon*), *Prælector.*
Stubbings, F. H., M.A., Ph.D., *U. Lectr.* (*Classics*).
Ashmore, P. G., M.A., *Tutor, U. Demr.* (*Phys. Chem.*).
Dickinson, J. C., B.Litt., M.A. Oxon., *U. Asst Lectr.* (*Hist.*).
Robinson, J. R., B.A., Ph.D., M.B., B.Chir., *Tutor, Asst. Dir. of Research* (*Exp. Medicine*).
Furbank, P. N., M.A.
Carter, C. F., M.A., *U. Lectr.* (*Econ.*), *Tutor.*
Sands, E. R , M.A., *Asst. Tutor.*
Townsend, A. A., Ph.D.
Roscoe, K. H., M.C., M.A., *U. Lectr.* (*Eng*).

GONVILLE AND CAIUS COLLEGE. Founded 1348. Tel. No.: Cambridge 3275.

Master—Sir J. Chadwick, Ph.D., F.R.S.

Fellows

Cameron, J. F , M.A , Hon. LL.D.
Punnett, R. C., M.A., F.R.S.
Stratton, F. J. M., D.S.O., O.B.E., LL.D. Glas., M.A.
McNair, Sir Arnold D., K.C., C.B.E., M.A., LL.D., F.B.A.
Phear, H. W., M.A., *Prælector, U. Lectr.* (*Engin*).
Debenham, F., O.B.E., M.A.
Bennett, E. K., M.A., *U. Lectr.* (*German*), *President, Senior Tutor.*
Tunnicliffe, H. E., M.A., *U. Lectr.* (*Physiol.*), *Tutor.*
Needham, N. J. T. M., M.A., Ph.D., Sc.D., *Reader* (*Biochem.*).
Deas, H. T., M.A., *U. Lectr.* (*Classics*), *Tutor.*
Weller, E. P., 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.*), *Steward.*
Wade, E. C. S., M.A., LL.D., *Downing Prof.* (*Laws of England*).
Griffith, G. T., M.A., *U. Lectr.* (*Classics*), *Coll. Registrary.*
Greaves, R. I. N., M.A., M.D., B.Chir., *Reader* (*Bacteriol.*).
Grierson, P., M.A , *Librarian, U. Lectr.* (*Hist.*).
Hadley, P. A. S., M.A., Mus.D., *Prof.* (*Music*).
Fisher, R. A., M.A., Sc.D., F.R.S., *Arthur Balfour Prof.* (*Genetics*).
Blackall, E. A., M.A., *U. Lectr.* (*German*).
Lee, E. H., M.A.
Bailey, D. R. S., M.A.
Dennison, S. R., M.A., *Tutor, U. Lectr.* (*Econ.*).
Wigglesworth, V. B., M.A., M.D., F.R.S., *Reader* (*Entomol.*).
Heaton, Rev. E. W., M.A., *Dean.*
Naylor, G. R. E., M.A., M.B., B.Chir. *U. Demr.* (*Path.*).
Bauer, P. T., M.A., *U. Lectr.* (*Econ.*).
Goodhart, C. B., M.A.

Swann, M. M., M.A., *U. Demr.* (*Zool.*).
McFarlane, I. D., M.A., *U. Lectr.* (*French*).
Shoenberg, D., Ph.D., *U. Lectr.* (*Physics*).
Clark, V. M., B.A.
Runcorn, S. K., Ph.D. Manc., M.A., *Asst. Dir. of Research* (*Geophysics*).
Orowan, Egon, M.A., F.R.S.
Brooke, C. N. L., B.A.

JESUS COLLEGE Founded 1496. Tel. No.: Cambridge 2436.

Master—E. M. W. Tillyard, O.B.E., F.R.S.L., M.A., Litt.D.

Fellows

Abbott, E., M.A.
Duckworth, W. L. H., M.A., M.D., Sc.D.
Elliott, C. A., O.B.E., M.A.
Mills, W. H., Sc.D. Tubingen, M.A., F.R.S.
Pars, L. A., M.A., *U. Lectr.* (*Maths.*)
Gardner-Smith, Rev. P., M.A., B.D., *President, Dean, U. Lectr.* (*Div.*).
Thorpe, W. H., M.A., Ph.D., Sc.D., *U. Lectr.* (*Entomol.*).
Guy, O. V., D.S.O., M.C., M.A., *Sec., U. Appointments Board.*
Brittain, F., M.A., Litt.D., *U. Lectr.* (*Med. Latin*), *Steward, Keeper of the Records.*
Percival, A. L., M.A., *Tutor, U. Lectr.* (*Engin.*).
Wilson, C. H., M.A., *Rustat Bursar, U. Lectr.* (*Hist.*).
Jennings, R. Y., M.A., LL.B., *Sr. Tutor, U. Lectr.* (*Law*).
Picken, L. E. R, M.A, Ph.D, *Asst. Dir. of Res.* (*Zool*)
Wilkinson, D. H., M.A., Ph.D., *U. Demr.* (*Phys.*).
Lawrence, A. W., M.A., *Prof.* (*Class. Arch.*).
Rossiter, A. P., M.A., *Asst. Tutor, U. Lectr.* (*English*).
Fisher, D. J. V., M.A., *Tutor, Librarian, U. Lectr.* (*Hist.*).
Mills, J. N., M.D., *Prælector.*
Beveridge, W. I. B., D.V.Sc. Syd., M.A., *Prof.* (*Animal Path.*).
Edmonds, J. M., M.A.
Taunt, D. R., M.A.
Sharpe, A. G., M.A., *U. Demr.* (*Chem.*)
Lloyd-Jones, P. H. J., M.A.
Raby, F. J. E., C.B., F.B.A., Litt.D.
Creswick, H. R., M.A., *U. Librarian.*
Miller, T. G., M.A., *Research Fellow, U. Demr.* (*Geol.*).

KING'S COLLEGE. Founded 1441. Tel. No.: Cambridge 4411.

Provost—Sir J. T. Sheppard, M.B.E., M.A.

Fellows

Inglis, Sir Charles E., O.B.E., LL.D. Edin., M.A., F.R.S.
Pigou, A. C., M.A., F.B.A.
Adcock, F. E., O.B.E., D.Litt. Durh., M.A., F.B.A., *Prof.* (*Anc. Hist.*).
Gray, J., C.B.E., M.C., D.Sc. Aberd., M.A., Sc.D., F.R.S., *Prof.* (*Zool.*).
Milner-White, Very Rev. E., D.S.O., M.A.
McCombie, H., D.S.O., M.C., M.A. Camb. and Aberd., Sc.D.
Turner, L. B., M.A., *Reader* (*Engin.*).
Durnford, H. G. E., M.C., M.A.
Lucas, F. L., M.A., *Reader* (*English*).
Ord, B., Mus.B., M.A., F.R.C.O., *Organist, U. Organist, U. Lectr.* (*Music*).
Scholfield, A. F., M.A
Beves, D. H., M.A., *U. Lectr.* (*French*), *Vice-Provost.*
Braithwaite, R. B., M.A., *Sidgwick Lectr.* (*Moral Philos.*).
Stockdale, D., M.A., Ph.D., Sc.D., *U. Lectr.* (*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., *Reader* (*Algebra*).
Rylands, G. H. W., M.A., *Steward, Bursar, U. Lectr.* (*Eng.*).
Matthews, B. H. C., M.A., Sc.D., *Reader* (*Exp. Physiol.*), *Asst. Dir., Physiol. Res.*
Lucas, D. W., M.A., *U. Lectr.* (*Classics*).

Ingham, A. E., M.A., F.R.S., *U. Lectr.* (*Maths.*).
Kahn, R. F., C.B.E., M.A., *U. Lectr.* (*Econ.*), *Bursar.*
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., Ph.D., Sc.D., *Stringer Fellow, U. Lectr.* (*Zool.*).
Shire, E. S., M.A., *U. Reader* (*Physics*).
Turing, A. M., O.B.E., M.A.
Dixon, K. C., M.A., Ph.D., M.B., B.Chir., *Tutor* (*Research Students*), *U. Lectr* (*Chem. Path.*).
Harrison, K. P., M.A., *Dean, U. Demr.* (*Biochem.*).
Alexander, A. E., M.A., Ph.D.
Bolgar, R. R., M.A., Ph.D.
Prince, P. D. V., M.A.
McBurney, C B. M., M A , Ph.D.
Temperley, H. N. V , M.A., *U. Lectr.* (*Physics*).
Fox, T. R. C., M.A., *Prof.* (*Chem. Engin.*).
Iliff, N. A., M.A.
Macpherson, R. E , M.A , *Prælector and Bursar.*
Haloun, G., M.A., *Prof.* (*Chinese Lang. and Hist.*).
Annan, N. G., O.B.E., M.A., *Asst. Tutor, U. Lectr.* (*Econ.*).
Stone, J. R. N., C.B.E., M.A.
Moullin, E. B., M.A., Sc.D., *Prof.* (*Elect. Engin.*).
Dykes, P. de K., M A., *U. Lectr.* (*Eng.*).
Vlasto, A. P., M.A.
Glanville, S. R. K., M.A. Camb. and Oxon., M B.E., F B.A., *Prof.* (*Egyptol*).
Willcocks, D. V., M.A., Mus.B.
Toulmin, S. E., M.A.
Coombs, R. R. A., Ph.D.
Trevelyan, C. H., M.A.
Hibbert, A. R., M.A.
Parry, D. A., Ph.D.
Raven, J E , M A , *U Lectr.* (*Classics*).
Caldecote, Visct , M.A , *U. Lectr.* (*Eng.*).
Ramsay, I E. St C , M.A , *Dean, Chaplain*
Munby, A. N. L , M.A., *Librarian.*
Radcliffe, P. F., M.A., Mus.B., *U. Lectr.* (*Music*).
Hobsbawm, E. J. E., M.A.
Hill, M. N., M.A.
Roberts, K. V., B.A.
Kaldor, N., M.A.
Rostow, W. W , M.A.

MAGDALENE COLLEGE. Founded 1542. Tel. No.: Cambridge 5057.
Master—Rt. Hon. H. U. Willink, M.C., K.C., M.A.

Fellows

Ramsey, A. S., M.A.
Vernon Jones, V. S., M.A., *Kipling Fellow.*
Peel, T., M.A.
Salter, F. R., M.A., *U. Lectr.* (*Hist.*).
Morshead, Sir Owen F., C.V.O., D.S.O., M.C., C.G., M.A.
King, W. B. R., O.B.E., M.C., M.A., Sc.D., *Woodwardian Prof.* (*Geol.*).
Clark, Rev. F. H. H., M.A., *President, Dean and Chaplain, Asst. Steward.*
Richards, I. A., M.A., Litt.D.
Turner, F. McD. C., M.C., D.F.C., M.A., *Asst. Steward, Tutor, Coll Librarian.*
Scott, F. R. F., M.A., *Tutor.*
Keilin, D., M.A., F.R.S., *Quick Prof.* (*Biol.*).
Babbage, D. W., O.B.E., M.A., Ph.D., *U. Lectr.* (*Maths.*), *Tutor.*
Green, F. C., M.A. St. And. and Camb., Ph.D. Cologne, D. de l'U. Paris, *Drapers' Prof* (*French*).
Saunders, B. C , M.A., Ph.D , Sc.D , *Prælector, U. Lectr.* (*Chem.*).
Bennett. R. F., M.A., *Steward, U. Lectr.* (*Hist.*)
Ladborough, R. W., Ph.D., *U. Lectr* (*French*), *Pepysian Librarian.*
Burnet, J. F., M.A, *Bursar.*

PEMBROKE COLLEGE. Founded 1347. Tel. No.: Cambridge 5086.

Master—S. C. Roberts, M.A.
(Vice-Chancellor)

Fellows

Bethune-Baker, Rev. J. F., M.A., D.D., F.B.A.
Butler, Sir Montagu S. D., K.C.S.I., C.B., C.I.E., C.V.O, C.B.E., M.A.
Minns, Sir E. H., M.A., Litt.D., F.B.A., *President.*
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., *U. Lectr.* (*Classics*), *Tutor.*
Rowe, J. W. F., M.C., M.Sc. Lond., M.A., *U. Lectr.* (*Econ.*).
Hodge, W. V. D., M.A, F.R.S., *Lowndean Prof.* (*Astron. and Geom.*).
Willey, B., M.A., *King Edward VII. Prof.* (*Eng. Lit.*).
Dewey, Rev. M. B., M.A., *Asst. Tutor, Tutorial Bursar, Dean.*
Habakkuk, H. J., M.A.
Stoneley, R., M.A., Sc.D., F.R.S., *Reader* (*Theor. Geophysics*).
MacLellan, G. D. S., M.A., *U. Demr.* (*Eng.*).
Mynors, R. A. B., M.A., F.B.A., *Kennedy Prof.* (*Latin*).
Hutton, W. S., M.A., *Asst. Tutor, Prælector, Treasurer and Bursar.*
Arberry, A. J., M.A, Litt D., *Sir T. Adams Prof.* (*Arabic*).
Combe, T. G. S., M.A.
Hodgart, M. J. C., M.A, *Asst. Tutor.*

PETERHOUSE. Founded 1284. Tel. No.: Cambridge 4256.

Master—P. C. Vellacott, C.B.E., D.S.O., M.A.

Fellows

Lubbock, R., M.A., *Asst. Tutor, U. Lectr.* (*Mech. Sciences*).
Butterfield, H., M.A., *Prof.* (*Mod. History*).
Burkill, J. C., M.A., Sc.D., *U. Lectr.* (*Maths.*).
Guthrie, W. K. C., M.A., *U. Lectr.* (*Classics*), *Public Orator.*
Heard, Rev. R. G., M.B.E., M.C., M.A., *Dean, Chaplain, U. Lectr.* (*Div.*).
Postan, M. M., M.Sc. Lond., M.A., *Prof.* (*Econ. Hist.*).
Wormald, Rev. B. H. G., M.A., *Prælector, U. Lectr.* (*Hist.*).
Brogan, D. W., M A. Glas., Oxon. and Camb., *Prof.* (*Pol. Sci.*).
Knowles, Rev. M. C., M.A., Litt.D., *Prof.* (*Med. Hist.*).
Pringle, J. W. S., M.A., *Tutor, U. Lectr.* (*Zool.*).
Lockyer, Air Vice-Marshal C. E. W., M.A., C.B., *Steward, Bursar.*
Sanders, Rev. J. N., M.A., *Perne and Ward Librarian, U. Lectr.* (*Div.*).
Carr-Saunders, Sir Alexander M., M.A. Oxon., LL.D. Glas., Litt.D. Dub., F.B.A.
Kendrew, J. C., M.A.
Mack Smith, D., M.A., *Tutor.*

QUEENS' COLLEGE. Founded 1448. Tel. No.: Cambridge 4425.

President—J. A. Venn, M.A., Litt.D., Gilbey Lecturer in Agriculture.

Fellows

Wood, Rev. C. T., M.A., B.D.
Cook, A. B., M.A., Litt.D., *Vice-President.*
Laffan, R. G. D., M.A. Oxon. and Camb., *U. Lectr.* (*Hist.*), *Sr. Bursar.*
Sleeman, C. M., M.A.

Browne, A. D., M.A., *U. Lectr.* (*Eng.*).
Potts, L. J., M.A., *Lectr., U. Lectr.* (*English*).
Maxwell, E. A., M.A., Ph.D., *Prælector, Lectr.* (*Maths.*), *Keeper of the College Records.*
Seltman, C. T., M.A., *Librarian, U. Lectr.* (*Classics*).
Ramsay, J. A., M.A., Ph.D., *U. Lectr.* (*Zool.*), *Steward.*
Hart, Rev. H. St. J., M.A., *Chaplain, Dean, U. Lectr.* (*Div.*).
Bailey, H W., M.A. Oxon. and Camb., *Prof.* (*Sanskrit*).
McCullagh, G. P., M.D. Belf., M.A., *Sr. Tutor, U. Lectr.* (*Path.*).
Kirkaldy, H. S., M.A., *Montague Burton Prof.* (*Industrial Relations*).
Armitage, A. Ll., M.A., LL.B., *Tutor, U. Lectr.* (*Law*).
Findlay, J. W., M.A., *Jr. Bursar, U. Demr.* (*Physics*).
Chadwick, Rev. H., M.A., Mus.B., *Chaplain, U. Asst. Lectr.* (*Div.*).
Parmée, D., M.A., *U. Lectr.* (*French*).
Trevaskis, J. R., M.A., *Asst. Tutor.*

ST. CATHARINE'S COLLEGE. Founded 1473. Tel. No.: Cambridge 5045.

Master—D. Portway, M.A., *U. Lectr.* (*Eng.*).

Fellows
Steers, J. A., M A., *President, Prof.* (*Geog.*).
Henn, T. R., M.A., *Sr. Tutor, U. Lectr.* (*English*).
Waddams, Rev. C. D., M.A., *Lectr.* (*Maths.*), *Asst. Tutor, Chaplain.*
Rich, E. E., M.A., *Lectr., U. Lectr.* (*Hist.*), *Asst. Tutor, Librarian.*
Hutton, J. H., M.A., *William Wyse Prof.* (*Social Anthropol.*).
Smith, S, M.A., Ph.D., *U. Lectr.* (*Zool*).
Robertson, Sir M. A., P.C., G.C.M.G., K.B.E.
Aston, S. C., M.A., Ph.D., *Dean, U. Lectr.* (*French*).
Thomas, D. W., M.A., *Regius Prof.* (*Hebrew*).
Dainton, F. S., Ph.D.
Evans, R. C., M.A., Ph.D., *Jr. Dean, Asst. Tutor, U. Lectr.* (*Min.*).
Gooderson, R. N., M.A., *Jr. Dean.*
Bird, Rev. C. H., M.A., *Chaplain.*
Mulley, F. W.

ST. JOHN'S COLLEGE. Founded 1511. Tel. No.: Cambridge 5052.

Master—E. A. Benians, Litt.D. Dub., M.A.

Fellows
Baker, H. F., LL.D. Edin., M.A., Sc.D., F.R.S.
Cunningham, E., M.A.
Jeffreys, H., M.A., F.R.S., *Prof.* (*Astron. and Exper. Philos.*).
Palmer, W. G., D.Sc. Lond., M.A., Sc.D., *U. Lectr.* (*Chem.*).
Bartlett, Sir F. C., M.A., F.R.S., *Prof.* (*Exper. Psychol.*).
Engledow, Sir Frank L., C.M.G., M.A., *Drapers' Prof.* (*Agric.*).
White, F. P., M.A., *Librarian, U. Lectr.* (*Maths.*).
Briggs, G. E., M.A., F.R.S., *Prof.* (*Bot.*).
Wordie, J. M., M.A., *Tutor.*
Winfield, P. H., LL.D. Harv. and Camb., F.B.A.
Yule, G. U., C.B.E., M.A., F.R.S.
Charlesworth, Rev. M. P., M.A., *President, Laurence Reader* (*Classics—Anc. Hist.*).
Raven, Rev. E. E., M.A., *Dean, Prælector.*
Guillebaud, C. W., 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.* (*Eng.*).
Walker, E. A., M.A. Oxon., Cape and Camb., *Vere Harmsworth Prof.* (*Imp. & Naval Hist.*).
Anderson, W. B., M.A.
Harris, H. A., D.Sc., M.D. Lond, M.A., *Prof.* (*Anat*).
Smithies, F., B.A., Ph.D, *U. Lectr.* (*Maths.*).
Jopson, N. B., M.A., *Prof.* (*Compar. Philol.*).
Evans, G. C., M.A., Ph.D., *U. Lectr.* (*Bot.*).
Daniel, G. E., M.A., Ph.D., *Steward, U. Lectr.* (*Archæol.*).
Deer, W. A., Ph.D.
Hoyle, F., M.A., *U. Lectr.* (*Maths.*).
Miller, E., M.A., *U. Lectr.* (*Hist.*).
Rhoden, H. G., M.A., *U. Lectr.* (*Eng.*).
Scott, K., LL.B., M.A., *U. Lectr.* (*Law*), *Jr. Bursar.*
Mitchell, J. S., M.B., B.Chir., M.A., Ph.D., *Prof.* (*Radiotherapeutics*).
Davidson, J. W., Ph.D., *U. Lectr.* (*Hist.*).
Hinsley, F. H., M.A.
Lee, A. G., M.A., *U. Lectr.* (*Classics*).
Lang, D. M., M.A.
Bertram, G. C. L., M.A., Ph.D., *Tutor.*
Thistlethwaite, F., M.A., *Tutor, U. Lectr.* (*Econ.*).
Mordell, L. J., M.A., F.R.S., *Sadleirian Prof.* (*Pure Maths.*).
Willmore, P. L., M.A.
Jackson, R. M., M.A., LL.D., *U. Reader* (*Law*).
Winfield, R. H., B.A., M.B., B.Chir.
Watt, I. P., M.A.
Northcott, D. G., M.A.
Haymann, W. K., B.A.
Redman, R. O., M.A., Ph.D., F.R.S., *Prof.* (*Astrophysics*).
Budden, K. G., M.A., Ph.D., *U. Demr,* (*Physics*).
Orr, R. K., Mus.B., M.A, *Organist, U. Lectr.* (*Mus.*).
Sykes, P, Ph.D., *U. Demr.* (*Chem.*).
Laslett, T. P. R., M A.
Dingle, R. B., B.A.
Brookes, A. M. P., M.A., *U. Demr.* (*Eng.*).
Farmer, B. H., M.A., *U. Demr.* (*Geog.*).
Kendon, F. S. H., M.A., *Asst. Sec. U. Press.*
Gale, E. F., Sc.D., *Reader* (*Chem., Microbiol.*).
Mackworth, N. H., Ph.D.
Bromwich, J. I., M.A., *U. Asst. Lectr.* (*Engl.*).
Walters, S. M., M.A.
Robinson, R. E., M.A.
Turner, J. S., M.A., Ph.D.
Lyttleton, R. A., M.A., Ph D.
Davies, J., M.A.

SELWYN COLLEGE.* Founded 1882. Tel. No.: Cambridge 4407.

Master—Rev. W. Telfer, D.D.

Fellows
Williams, W. N., M.A., LL.B.
Marsh, Rev. F. S., M.A., *Lady Margaret's Prof.* (*Div.*).
Perrett, G. B., M.A.
Durrant, P. J., M.A., Ph.D., *Tutor, Prælector.*
Blyth, Rev. A. C., M.A., *Vice-Master, Sr. Tutor, Precentor.*
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*).
Forster, L. W., M.A.
St. Joseph, J. K. S., M.A., Ph.D., *Asst. Tutor.*
Bell, G. D. H., Ph.D.
Burcham, W. E., B.A., Ph.D., *U. Lectr.* (*Physics*).
Spear, T. G. P., M.A., Ph.D., *Bursar.*
Cott, H. B., M.A., Sc.D., *U. Lectr.* (*Zool.*).
Brock, W. R., M.A., Ph D.
Lawton, Rev. J. S., M.A.

* Approved Foundation.

SIDNEY SUSSEX COLLEGE. Founded 1596. Tel. No.: Cambridge 5027.

Master—T. Knox-Shaw, M.C., M.A.

Fellows

Weekes, Rev. George Arthur, M.A.

Wilson, C. T. R., C.H., LL.D. Aberd., D.Sc. Manc., M.A., Hon. Sc.D., F.R.S.

Hackforth, R, M.A., *Laurence Prof.* (*Anc. Philos.*).

Smith, Rev. B. T. D., M.A., D.D., *Vice-Master.*

Davenport, A. H., M.C., M.A., *Vice-Master, Bursar.*

Green, H. L. H. H., M.A., M.D, *Taylor Librarian, U. Lectr.* (*Anat.*).

Ratcliffe, J. A., O.B.E., M.A., *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., M.A., Ph.D., M.D., F.R.C.P., F.R.S., *Prof.* (*Exp. Med.*).

Bulman, O. M. B., Ph.D., Sc.D, F.R.S., *Reader* (*Palæozoology*).

Thomson, D., M.A., Ph.D., *Tutor, U. Lectr.* (*Hist.*).

Emeléus, H. J., M.A., F.R.S., *Prof.* (*Inorganic Chemistry*).

Smail, R. C., M.B.E., M.A., *Tutor, Prælector, U. Lectr.* (*Hist.*).

Beattie, A. J., M.A., *Dean, Coll. Librarian, U. Lectr.* (*Classics*).

Thornely, J. W. A., M.A., *U. Lectr.* (*Law*).

Trippett, S., B.A., *Research Fellow, Asst. Taylor Librarian.*

Hunt, N. C., M.A., *Research Fellow.*

TRINITY COLLEGE. Founded 1546. Tel. No.: Cambridge 3441.

Master—G. M. Trevelyan, O.M., M.A., Litt.D., F.B.A.

Fellows

Dampier, Sir William C. D., M.A., Sc.D., F.R.S.

Dykes, F. J., M.A.

Littlewood, J. E., LL.D. St. And., D.Sc. Liv., M.A., F.R.S., *Rouse Ball Prof.* (*Maths.*).

Hollond, H. A., D.S O., O.B.E., M.A., LL.M., *Dean of College, Rouse Ball Prof.* (*Engl. Law*).

Robertson, D. S., M.A., *Vice-Master, Emeritus Prof.* (*Greek*).

Simpson, Rev. F. A., M.A., *U. Lectr.* (*Hist.*).

Tennant, Rev. F. R., D.D. Camb. and Oxon., M.A.

Butler, J. R. M., M.V.O., O.B.E., M.A., *Reg. Prof.* (*Mod. Hist.*).

Adrian, E. D., D.Sc. Harv., M.A., M.D., F.R.S., *Prof.* (*Physiol.*).

Burnaby, Rev. J., M.A., B.D., *Dean of Chapel, U. Lectr.* (*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., M.A., *U. Lectr.* (*Hist.*).

Broad, C. D., M.A., Litt.D., F.B.A., *Knightbridge Prof.* (*Moral Philos.*).

Roughton, F. J. W., M.A., Ph.D., *J. H. Plummer Prof.* (*Colloid Sci.*).

Dean, W. R., M.A., *U. Lectr.* (*Maths.*).

Moore, G. E., LL.D. St. And., M.A., Litt.D., F.B.A.

Gow, A. S. F., M.A., *Brereton Reader* (*Classics*).

Duff, P. W., M.A., *Regius Prof.* (*Civil Law*).

Rattenbury, R. M., M.A., *U. Lectr.* (*Classics*), *Sr. Tutor.*

Sandbach, F. H., M.A., *U. Lectr.* (*Classics*), *Tutor.*

Pantin, C. F. A., M.A., Sc.D., F.R.S., *Reader* (*Invertebrate Zool.*).

Evennett, H. O., M.A., *Tutor, U. Lectr.* (*Hist.*).

Knight, A. H. J., M.A., *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., *Reader* (*Org. Chem.*).

Black, M., M.A., *U. Lectr.* (*Geol.*).
Hamson, C. J., M.A., LL.M., *U. Lectr.* (*Law*).
Wisdom, A. J. T. D , M.A., *U. Lectr.* (*Moral Phil.*).
Hodgkin, A. L., M.A., F.R.S., *Asst. Dir. of Research* (*Physiol.*).
Moule, Rev. A. C., M.A., Litt.D.
Bragg, Sir W. L., O.B.E., Sc.D. Dub., M.Sc. Manc., M.A., F.R S., F.I.P., *Cavendish Prof.* (*Physics*).
Rushton, W. A. H., Ph.D., F.R.S , *U. Lectr.* (*Physiol.*).
Vyvyan, J. M. K., M.A.
Sraffa, P., M.A., *Asst. Dir. of Research* (*Econ.*).
Pryor, M. G. M., Ph.D., *U. Demr.* (*Zool.*).
Huxley, A. F., M.A., *U. Demr.* (*Physiol.*).
Russell, B. A. W., Earl, O.M., M.A, F.R.S.
Robertson, D. H., C.M.G., M.A., F.B.A., *Prof.* (*Political Econ.*).
Binnie, A. M., M.A., *U. Lectr.* (*Eng*).
Catcheside, D. G., M.A., *U. Reader* (*Bot.*).
Harmer, L. C., M.A., Ph.D., *U. Lectr.* (*French*).
Ashmead, J., M.A., Ph.D., *U. Lectr.* (*Physics*).
Oatley, C. W., M.A., *U. Lectr.* (*Eng.*).
Dalgliesh, C. E., M.A., Ph.D.
Lighthill, M. J., B.A.
Devons, S., M.A., Ph.D.
Middleton, H. S., M.A., Mus.D., *U. Lectr.* (*Music*), *Organist.*
Hamilton, W., M.A., *U. Lectr.* (*Classics*), *Tutor.*
Kemmer, N., M.A., *U. Lectr.* (*Maths.*).
Wade, H. W. R., M.A., *U. Lectr.* (*Law*).
Winter, C., M.A., *Dir. Fitzwilliam Museum.*
Lauterpacht, H., M.A., LL.D., *Whewell Prof.* (*Internat. Law*).
Fox, E. N., M.A., *U. Lectr.* (*Eng.*).
Kemball, C., M.A., Ph.D., *Jr. Bursar.*
Skyrme, T. H. R., B.A.
Dyson, F. J., B.A.
Browne, B. C., M.A., *Reader* (*Exp. Geophysics*).
Batchelor, G. K , M.Sc. Melb., Ph.D., *U. Lectr.* (*Maths.*).
Perry, S. V., Ph.D.
Bradfield, J. R. G , B.A.
Ehrman, J. P. W., M.A.
Gold, T., M.A.
Oldroyd, J. G., M.A.
Parry, S. V., B.Sc. Liv., Ph.D.
Ursell, F., M.A.
Arkell, W. J., D.Sc. Oxon., M.A., F.R.S.
Frisch, O. R., D.Phil. Vienna, M.A., F.R.S., *Prof* (*Nat. Philos.*).
Bailey, K., Ph.D., *Asst. Dir. of Research* (*Biochem.*).
Dobb, M. H., M.A., *U. Lectr.* (*Econ.*)
Ashwell, D. G., M.A.
Atkins, K. R., M.A.
Eggleston, H. G., M.A.
Gallagher, J., M.A.
Keynes, R. D., M.A.
Milsom, S. F. C , M.A., *U. Asst. Lectr.* (*Law*).
Owen, A. R. G., M.A.
Sondheimer, E. H., M.A.
Radzinowicz, L., M.A., *Asst. Dir. of Research* (*Crim. Sc.*).
Lewis, W. V., M.A.

TRINITY HALL. Founded 1350. Tel. No. : Cambridge 5047.

Master—H. R. Dean, M.D., Professor of Pathology.

Fellows

Crawley, C. W., M.A., *Tutor, U. Lectr.* (*Hist.*).
Turner, J. W. C., M.C., M.A., *Bursar, Steward, Prælector, U. Lectr.* (*Law*).
Clarke, L. C. G., M.A.
Gutteridge, H. C., M.A., LL.D., K.C.
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. Demr.* (*Chem.*).

Schulman, J. H., Sc.D., *Asst. Dir. of Research* (*Coll. Sc.*).
Chadwick, Rev. W. O., *Asst. Tutor, Librarian.*
Austin, G. W., M.A., *Goldsmiths' Prof.* (*Metall.*).
McFarlan, A. M., M.A., M.B., B.Chir., *Reader* (*Human Ecology*).
Neal, B. G., M.A., Ph.D., *U. Demr.* (*Eng.*).
Young, F. G.
Storey, G., M.A.

FITZWILLIAM HOUSE: NON-COLLEGIATE STUDENTS. Established 1869. Tel. No.: Cambridge 4779. Censor—W. S. Thatcher, M.C., M.A.; Asst. Censor, Bursar—W. W. Williams, M.A.; Tutor: N. J. G. Pounds, M.A.; Jr. Tutor: C. L. Wayper, M.A

Directors of Studies. *Agriculture*: S. Dickinson, M.A. *English*: G. Pocock, M.A. *Geography*: N. J. G. Pounds, M.A. *History*: C. L Wayper, M.A. *Law*: C. H. Ziegler. *Mathematics*: R. A. Lyttleton, M.A., Ph.D. *Mech. Sciences*: R. W. Haywood, M.A. *Medicine*: G. N. Myers, M.D. Durh., Ph.D. *Modern Languages*: J. Lough, Ph.D. *Moral Sciences*: J. Wisdom, M.A. *Natural Sciences*: S. R. Nockolds, M.A., Ph.D.

WOMEN'S COLLEGES

GIRTON COLLEGE. Founded 1869. Tel. No.: Cambridge 76219.

Mistress—Mary L. Cartwright, D.Phil. Oxon, M A., Sc D., F.R.S.

Fellows

Hollond, Mrs. Marjorie, 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.*
Jolliffe, Norah C, M.A., *U Lectr.* (*Classics*).
Jeffreys, Mrs. Bertha, M.A., Ph.D.
Bradbrook, Muriel C., M.A., Ph.D, *U. Lectr.* (*Engl.*).
Cave-Browne-Cave, Frances E., M.A.
Clover, Mary, M A.
Murray, Hilda M. R., M.A.
Thomas, Mary B., M.A.
Jones, Mary G., M.A., Litt.D.
Megaw, Helen D., M.A., Ph.D., *Asst. Dir. of Research* (*Crystallog.*).
Lindsay, Mrs. Jean O., M.A., Ph.D., *U. Lectr.* (*Hist.*).
Syfret, Rosemary H., M.A., *Tutor and Prælector.*
Fairlie, Alison A. B., Ph.D., *U. Lectr.* (*French*).
Brown, Margaret E., M.A., Ph.D., *U. Demr.* (*Zool.*).
Bibas, Henriette, M.A
Anderson, Mrs. Margaret S., M.A., *U. Lectr.* (*Geog.*).
Duke, Alison, M.A, *Tutor and Registrar.*
Murray, Alice R., M.A., *U. Demr.* (*Chem.*).
Hill, Elizabeth M, Ph.D. London, M.A., *Prof.* (*Slavonic Studies*).
Cam, Helen M., M.A., Litt.D., F.B.A.
Bishop, Ann, Sc.D., *Research Fellow.*
Smallwood, Edith M, M.A., *Research Fellow.*
Gowdridge, Barbara M., *Research Fellow.*
May, Anthea D., *Research Fellow.*

NEWNHAM COLLEGE. Founded 1871. Tel. No.: Cambridge 2478.

Principal—Dame Myra Curtis, D.B.E., M.A.

Fellows

Behrens, Catherine B. A., M.A Oxon., *U. Lectr.* (*Hist.*).
Chrystal, Edith M., M.A., *Vice-Principal, Tutor, Prælector and Librarian.*
Cohen, Ruth L., M.A., *U. Lectr.* (*Econ.*).
de Navarro, Mrs. Agnes D. M., Ph.D., M.A. Aberd., *U. Lectr.* (*Anglo-Saxon*).
Edmonds, Sheila M., M.A., Ph.D.

Grimshaw, Margaret E., M.A., *U. Lectr.* (*Maths.*).
Horton, Mrs. Ann C., M.A., D.Sc. Lond., *U. Lectr.* (*Physics*).
Macdonald, Inez I., M.A., Ph.D., *Tutor, U. Lectr.* (*Spanish*).
Mitchell, Jean B., M.A., *U. Lectr* (*Geog.*).
Morris, Irene V., M.A., Belf.
Pybus, Helen J., M A., *Tutor.*
Robertson, Annie, M.B.E., M A., *Tutor, Jr. Bursar.*
Simpson, Delia M., Ph.D.
Toynbee, Jocelyn M. C., M.A., D.Phil. Oxon., *U. Lectr.* (*Classics*).
Wallas, May G., M.A., Ph.D. Lond., *U. Lectr.* (*French*).
Welsford, Enid E. H., M.A., *U. Lectr.* (*English*).
White, Mrs. Alice B., M.A., Ph.D. Yale, *Bursar.*
Jeffery, Lilian H , M A.
Sweeting, Marjorie M., M.A., Ph.D., *Research Fellow Member.*

RECOGNIZED INSTITUTION FOR WOMEN

HUGHES HALL (formerly known as the Cambridge Training College for Women). Founded 1885. Tel. No. : Cambridge 4090.

Principal—Eleanor M. Verini, M.A. Oxon. and Camb.

GENERAL INFORMATION

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 The University Registry, Cambridge, 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.

A UNIVERSITY HEALTH SERVICE has been established (Sr. Univ. Health Service Officer—Sir A. F. Rook, M.A. Cath.) within the Dept. of Human Ecol.; first year undergraduates are invited to attend for medical examn. in their first term.

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.

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 in Cambridge (*i.e.* within a circle of 3 miles radius from Gt. St. Mary's Church) during three-fourths of the term. Full terms (*i.e.* the periods of regular teaching): 1950–51—Oct. 9 to Dec. 7; Jan. 10 to Mar. 10; Apr. 18 to June 9.

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. and B.Chir., M.Chir., M.D.; Mus.B., Mus.M., Mus.D.; 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* (v. App. I).

(ii.) The *Previous Examn.* includes Latin or Greek, one other language, Maths., 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. Tripos, 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.

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 first degree who have given proof of distinction in musical composition may be candidates for the Mus.D.

The PH.D., v. *infra* 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 and Oriental Langs., the diplomas in Anthrop., Prehistoric Archæol. and Orient. Langs. being open to non-members in certain exceptional circumstances. *Certificates* of competent knowledge of certain modern langs., open to members of the Univ. only, are awarded. *Certificates of Proficiency* in Agriculture, Estate Management, Architectural Studies, Christian Theology and Engineering Studies are awarded to those who proceed to the Ordinary B.A. by way of the examn. in those subjects.

The Joint Coal Mining Diploma of the Univs of Cambridge and Birmingham enables Cambridge graduates in Engineering to shorten by 1 yr. the period of training at Birmingham otherwise required.

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.

The Course of MILITARY STUDIES arranged by the Univ. Board of Milit. Studies (Sec.—F. M. Edwards, M.A. Qu., 1 Silver St.) 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.

The DEPARTMENT OF EDUCATION (Prof. of Educn.—G. R. Owst, Litt.D. Emm.; Director of Women Students—Eleanor M. Verini, M.A. Oxon. and Camb.; Sec. of the Dept.—F. F. C. Edmonds, M.A. Qu.), 17 Brookside, Cambridge, is under the general control of the Education Syndicate.

Four-year students devote their first 3 yrs. to reading for a degree and the 4th yr. to professional training. Postgraduate students not previously attached to the Dept. may also enter for the 1 yr.'s professional course and must become members of the Univ.

Examns. for the *Certificate* in Education, held in June, are open to students of certain training institutions, and also to other graduate teachers who have had at least a yr.'s experience in a Secondary or similar type of school approved for the purpose.

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: W. J. Sartain, M.A. Selw. Correspondence should be addressed to the Secretary at the Old Schools, Cambridge.

A Research Student pursues his course under direction and supervision, 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 V.-C. 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 (v. p. 16) 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.

DOMINION AND COLONIAL EXHIBITIONS. In view of the difficulties experienced by Dominion and Colonial students in competing for scholarships and exhbns. in the open examn. held each Dec., Trinity Coll. is prepared to consider applications made by Dominion and Colonial Univs. on behalf of their students for the grant of exhbns.; value £40 a yr. either more or less according to holder's financial circumstances. Candidates must apply through the principal authority of their Univ. Applications for next award must reach the Senior Tutor, Trinity Coll. (from whom particulars should be obtained), by May 1, 1951.

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*, may be fairly estimated at about £300, although on the one hand it is possible by great care to live upon less, and on the other hand a larger expenditure will often enable the student to obtain greater advantages from a University career.

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, £12 to £30, 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), long vacation expenses.

The UNIVERSITY APPOINTMENTS BOARD is concerned with appointments of all kinds (Sec.—O. V. Guy, C.B.E., D.S.O., M.C., M.A.; Asst. Secs.—A. L. Maycock, M.C., M.A. (Education); W. N. C. van Grutten, O.B.E, M.C., M.A. (Engineering); P. T. Sinker, M.A. (Commerce). Address: Lensfield House, Lensfield Rd. *Telegrams*—Appointments, Cambridge. Telephone—54242/3.

The number of appts. reported in the year ended Dec. 31, 1949, was 792 (Public Services, 99; Educn, 266, of which 19 were of a temporary nature; Commerce and Industry, 394, of which 181 required qualifications in Engin. or Nat. Sci.; Professional and Miscellaneous, 33).

In addition long vacation employment was found for 168 men, mainly in technical industry.

CAMBRIDGE UNIVERSITY WOMEN'S APPOINTMENTS BOARD. Sec.—Mrs. K. M. Baxter, M.A. Newn., 18 Brookside, Cambridge. (Tel. 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 £50,000. 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.) 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. A. W. Lawrence, M.A. Jes.) 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) has a large and increasing collection, including Saxon urns and ornaments, casts of Central American monuments, Egyptian stone imple-

ments, unique Fijian collections, and numerous others resulting from scientific expeditions by Cambridge men.

(*b*) Science.

The Museum of Zoology (Director—F. R. Parrington, M.A. Sid.) includes very complete series of vertebrates and invertebrates, a series of invertebrata from Naples, valuable collection of Polyzoa, extensive collection of marine animals from Pacific and Indian Oceans, and an important collection illustrating heredity, protective resemblance and mimicry.

The Sedgwick Museum of Geology (Curator—A. G. Brighton, M.A. Chr.) includes a fine collection of British and foreign building stones lately added.

LABORATORIES AND FIELD STATIONS.

Laboratories include those of Agric., Anat., Biochem., Bot., Chem., Eng., Exper. Physics, Hum. Anat, Ethnol., Medicine, Mineral., 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.) provides for research on computing machinery.

The Zoological Laboratory, in addition to providing for the ordinary work of the Dept. and for research, affords special facilities for the study of diseases of animals and of economic entomology.

Low Temperature Station for Research in Biochemistry and Biophysics (Superintendent—E. C. Bate-Smith, Ph.D. Cai.).

The Botanic Garden (Director—H. Gilbert-Carter, M.B., Ch.B. Edin., M.A. Trin.).

The Scott Polar Research Institute, Lensfield Rd. (Director—G. C. L. Bertram, M.A, Ph.D Joh.)

Dept. of Genetics, Storey's Way (Director—Prof. R. A. Fisher, Sc.D. Cai.).

The Molteno Institute of Biology and Parasitology, Downing St. (Director—Prof. D. Keilin, M.A. Magd.).

THE OBSERVATORIES (Director—Prof. R. O. Redman, M.A., Ph.D. Joh.) are about a mile from Cambridge and have the Northumberland equatorial 12-in. aperture; the Sheepshanks photographic equatorial 12½ 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 Univ. has taken over charge (for the Govt.) of the Solar Physics Obs. formerly at South Kensington, receiving a grant-in-aid.

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 Matricn. examns. of London, the Northern and other English Univs., and the Preliminary examns. of various professional bodies, etc. For L.E.A. and State Scholarships, *see* p. 18. The Regulations of the Board are published by the Oxford and Cambridge Univ. Presses (post free 1s. 9d.). Secs.: at Cambridge —A. E. E. McKenzie, M.A. Trin., 10 Trumpington St.; at Oxford—G. J. R. Potter, M.A., 74 High St.

The 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. It is also responsible, pending arrangements to be made by the Cambridge Area Training Organization, for the Final Examns. at the following teacher training colleges—Homerton, Hockerill, Norwich, St. Osyth's, Saffron Walden, Balls Park, Wall Hall

School Examns. in Gt. Britain. 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. For L.E.A. and State Scholarships, *see* p. 18.

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 Sudan, S. Rhodesia, the West Indies and elsewhere in conjunction with the Educn. Authorities, and in schools for the British community in some foreign countries. Government Scholps. to Univs. in Gt. Britain are awarded on these examns. in a number of colonies. These Certifs. are not being replaced in 1951 by the General Certif. of Educn., but the subjects, syllabuses and standards correspond closely to those of the new examn. The oversea examns. carry the same exemptions as the General Certif. of Educn.

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 35 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 who desire a satisfactory proof of their knowledge of the subject with a view to teaching it in schools.

Address from which full Regns. can be obtained—Syndicate Buildings, Cambridge; Sec.: J. L Brereton, M.A.; Asst. Secs.: T. S. Wyatt, M.A., A. V. Hardy, M.A.

The BOARD OF EXTRA-MURAL STUDIES undertakes non-vocational education of adults, mainly in the Eastern Counties, and also in a few centres further afield which still remain. It co-operates closely with the Workers' Educational Association, and with other voluntary associations and with Local Education Authorities in the arrangement of its teaching work. Not only are such bodies represented on the Board, but wide consultation, as required by the Education Act, 1944, takes place through the Regional Consultative Council for Adult Education in the Eastern Counties, which was established in 1945.

The teaching of the Board consists mainly of: (*a*) University Tutorial Classes, extending over 3 winter sessions; (*b*) University Sessional Classes, usually of 20-24 meetings; (*c*) University Extension Lecture Courses, usually of 10-12 meetings. Such courses were started in 1873 and frequently attract large audiences; (*d*) other short courses, many of a pioneer type.

Boxes of books recommended by tutors are supplied for each course and class.

Staff. The Board employs a number of part-time lecturers and tutors, and has a staff of 18 full-time tutors and lecturers, including Resident Tutors in seven country areas who, in addition to teaching, exercise a general supervision over the work of the Board and assist in the development of adult education in those areas.

In 1948–49 provision was made for: 18 Univ. Tutorial Classes, 48 Univ. Sessional Classes, 74 Univ. Extension Courses, 61 Pioneer Courses.

Bursaries. The Board awards annually bursaries to men and women in the adult education movement who have shown themselves to be capable of profiting by a course of Univ. study, but who, for one reason or another, have not had the opportunity. In 1949–50 six such adult students were in residence.

Summer Schools. The Board hold Vacation Courses, including (*a*) Summer School, in co-operation with the W.E.A., mainly for W.E.A. students, held annually. In 1949 this included a training course for potential tutors in adult education. (*b*) Vacation Courses for students from overseas, mainly from Europe. (*c*) A Summer School in Electron Microscopy in co-operation with the Institute of Physics.

Details of the above may be obtained from the Secretary, G. F. Hickson, M.A., Stuart House, Cambridge.

INSTITUTE OF EDUCATION. A Cambridge Inst. of Educn. is being established. The Univ. Dept. of Educn. will be a corporate member of the Inst.

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 or 4 yrs.), 21s., Annual Supplements, 2s 6d.; *The Student's Handbook*, 8s. 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 (to the year 1752–1900, four volumes), £7 : 10s. each vol.; *Matricns. and Degrees* (a list of all those who have entered the Univ.): 1544–1659, 45s.; 1851–1900, 15s.; 1901–1912, 12s. 6d.; the *Calendar*, annually (Nov.), 15s.; the *Historical Register*, 20s.; *Historical Register Supplement*: 1911–20, 8s. 6d.; 1921–30, 12s. 6d.; 1931–40, 15s.; *Index to Tripos Lists*, 1748–1910, 10s.; *An Introduction to Cambridge*, by S. C. Roberts, 3s. 6d.; *University Ceremonies*, by H. P. Stokes, 7s. 6d.; *The Cambridge Pocket Diary*, annually in Oct., 3s. 8d. 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*) *Annuals 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, various authors—Pembroke, Gonville and Caius, Trinity, Girton; (*d*) *Architectural History of Cambridge*, R. Willis and J. W. Clark, 4 vols.

Magazines (unofficial): The *Cambridge Review*, *Varsity* (undergraduate newspaper), the *Granta* from time to time.

THE YEAR 1948–49

BENEFACTIONS. Benefactions have been received from Anglo-Iranian Oil Co. Ltd., H. F. Bird, Rev. F. L. Bridges, British Oxygen Co., Lady Broodbank, Miss E. M. Colman, Distillers' Co., Eli Lilly and Co., Empire Cotton Growing Corp., H. P. W. Gatty, Girdlers' Co., Lieut. A. D. Herbert, Sir Albert Howard, T. J. H. H. Keeping, P. Lake, May and Baker Ltd., Metropolitan-Vickers Electr. Export Co. Ltd., Ministry of Supply, W. P. Napier, Nuffield Foundation, Mrs. R. Roberts, G. W. Robertson's Executors, and Rockefeller Foundation.

NEW BUILDINGS. New Engineering workshops have been opened. Land has been purchased which will house the new Veterinary School and preparations are well advanced for the construction of bldgs. for Nuclear Physics.

CHANGES IN REGULATIONS. The Regns. for the Previous Examn. have been amended, and new regns. for the Natural Sciences and Theological Triposes have been approved.

RESIGNATIONS AND RETIREMENTS. *Professors*: F. Debenham (Geog.); C. H. Dodd (Norris-Hulse Prof. of Divinity); G. F. Webb (Slade Prof. of Fine Art); A. C. Chibnall (Sir William Dunn Prof. of Biochem.). *Readers*: C. R. Fay (Econ. Hist.); G. B. B. M. Sutherland (Spectroscopy), on appt. as Prof. of Physics, Univ. of Birm.; W. S. Feldberg (Physiol.), on appt. as Hd. of the Pharm. & Physiol. Lab., Nat. Inst. for Med. Res., Lond. *Lecturers*: F. A. Simpson (Hist.); J. A. Venn (Gilbey Lectr. in the Hist. and Econ. of Agric.); H. G. Booker (Maths.), on appt. as Prof. of Electr. Engin, Cornell Univ; Prince D. Obolensky (Slavonic Studies), on appt. as Reader in Slavonic, Univ. of Oxford; J. H. Parry (Latin-American Studies), on appt. as Prof. of Mod. Hist., Univ. Coll. of the West Indies; D. G. Christopherson (Engin.), on appt as Prof. of Mech Eng., Univ. of Leeds; A. H. A. Hogg (Engin), on appt. as Sec., Royal Comm. on Ancient Monuments; L. Howarth (Maths.), on appt. as Prof. of Appl. Maths., Univ. of Bristol; M. J. Oakeshott (Hist.), on appt. as Res. Fellow, Nuffield Coll., Oxford; C. W. Ottaway (Zoo.), on appt. as Prof. of Vet. Anat., Univ. of Bristol; J. G. Peristiany (Anth.), on appt. to a post at the Inst. of Social Anthrop., Oxford; P. W. Richards (Bot.), on appt. as Prof of Bot., Univ. Coll. of N. Wales; A. B. Steel (Hist.), on appt. as Principal, Univ. Coll. of S. Wales and Mon. *Demonstrators*: P. G. Spens (Engin.); J. H S. Wilkinson (Agric) *Univ. Asst. Lecturer*: L. S. Salzberger (German). *Asst. Dir. of Res. in Colloid Science*: A. E. Alexander, on appt. as Prof. of Colloid Sci., Australian Nat. Univ.

DEATHS 1948: D. A. G. Hinks, Fellow and Jr. Bursar of Trin.; R. M. Pattisson, former Fellow of Emm.; F. B. Parsons, Down.; Miss M. Stephenson, Fellow of Newn., Reader in Chem. Microbiol. 1949: T. Thornely, formerly Fellow of Trin. H. and Univ. Lectr. in Hist.; W. F. Reddaway, Sr. Fellow of King's, formerly Censor of Fitzw., Univ. Lectr. in Hist. and Director of Scandinavian Studies; F. H. A. Marshall, Fellow of Chr., Emeritus Reader in Agric. Physiol.; G. Shearer, Emm.; A. D. Imms, Chr., Hon. Fellow, former Fellow of Down.; P. Lake, Joh., formerly Reader in Geog.; Sir R. H. Biffen, Hon. Fellow of Emm., former Fellow of Cath., Emeritus Prof. of Agric. Bot.; A. Hopkinson, Emm., formerly Jr. Demr. in Anat.; G. T. Lapsley, Fellow of Trin., formerly Reader in Constit. Hist.; F. W. Green, Jes., Hon. Keeper of the Egyptian Antiquities at the Fitzwilliam Museum.

HONORARY DEGREES. *D.D.*—Rev. C. H. Dodd, Norris-Hulse Prof. of Divinity, Fellow of Jesus Coll. *LL.D.*—Her Majesty The Queen; L. F. J. de la Morandière, Doyen de la Faculté de Droit de Paris, Membre de l'Institut de France; Lillian M. Penson, Vice-Chancellor and Prof. of Mod. Hist. in the Univ. of London. *Sc.D.*—Lord Addison; C. F. Cori, Prof. of Biochem. at Washington Univ. School of Med.; Sir Charles R. Harington, Hon. Fellow of Magdalene Coll., Dir. of the Nat. Inst. for Med. Research; K. Linderstrøm-Lang, Dir. of the Carlsberg Lab. at Copenhagen; A. W. K. Tiselius, Prof. of Biochem. in the Royal Univ. of Uppsala; J. Tréfouël, Membre de l'Institut et de l'Académie Nationale de Médecine, Directeur de l'Institut Pasteur. *Litt.D.*—N. H. Baynes, Emeritus Prof. of Byzantine Hist. in the Univ. of London; G. Müller, Prof. of Modern German Lang. and Lit. in the Univ. of Bonn. *Mus.D.*—Dame Myra Hess. *M.A.*—Lord Braybrooke; Lord Cranbrook

J. Y. Campbell, Dunn Prof. of New Testament Lang., Lit. and Theol. at Westminster Coll.; G E. Fowler; C. H. Kemp, Town Clerk of the Borough of Cambridge.

STUDENTS (excluding 121 men and 18 women not members of Univ.) whose homes are in the U.K. (which does not include Eire): men: 6537, women: 582; not in the U.K. but within British Commonwealth: m. 388, w. 30; in foreign countries: m. 225, w. 26. Total: full-time, 7788.

DEGREES. D.D., 1; LL.D., 1; M.D., 32; Sc.D., 15; Litt.D., 1; B.D., 1; Ph.D., 119; M.Chir., 1; M.A., 1284; LL.M., 1; M.Sc., 5; M.Litt., 6; M.B., B.Chir., 140; M.B., 2; LL.B., 73; Mus.B., 10; B.A., 2601.

UNIVERSITY OF DURHAM

Founded 1832

VISITOR—THE LORD BISHOP OF DURHAM.

CHANCELLOR—GEORGE MACAULAY TREVELYAN, O.M., C.B.E , M.A., Litt D Camb , D Litt., F B.A

VICE-CHANCELLOR—Sir JAMES DUFF, M A. Camb., M.Ed Manc., LL.D. Aberd

PRO-VICE-CHANCELLOR—Rt. Hon. LORD EUSTACE PERCY, M.A. Oxon., LL.D. Edin., Hon. LL.D. Natal, D.C.L.

HON. TREASURER—Sir THOMAS BRADFORD, D.S.O , D.L , D.C.L.

REGISTRAR—W. S ANGUS, M A. Oxon., LL B. Liv.

ASSISTANT REGISTRAR—E. M. BETTENSON, M.A Camb.

FINANCIAL CLERK—C. E. STOBART.

UNIVERSITY OFFICES

46 North Bailey, Durham. Tel. : Durham 900-901.
23 St. Thomas' Street, Newcastle upon Tyne, 2. Tel. : Newcastle 21278

(Correspondence should be addressed to the Durham office unless otherwise indicated.)

DIVISIONS OF THE UNIVERSITY

Durham Colleges: *see* p. 101.
King's College, Newcastle upon Tyne: *see* p. 107.
Institute of Education: *see* p. 121.

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 :

CODRINGTON COLLEGE, BARBADOS. Trustees (under the will of Christopher Codrington, who died in 1710)—The Society for the Propagation of the Gospel; Visitor—The Lord Bishop of Barbados; Principal—Rev. C. A. Sayer, B.A.; Prof. of Theology—Rev. A. T. Coldman, B.D.; Prof. of Classics—Rev. B. N. Y. Vaughan, M.A.; Prof. of Medicine—E. B. Carter, M.D., C.M.

FOURAH BAY COLLEGE, SIERRA LEONE. Founded in 1827 by the Church Missionary Society. In 1918 the Wesleyan Missionary Society became associated with the C.M.S. in the control of the College. Visitor—The Bishop of Sierra Leone; Deputy Visitors—The Chief Justice, the Colonial Secretary; Principal—Dr. F. H. Hilliard; 16 Tutors.

B. SUNDERLAND TECHNICAL COLLEGE. Founded in 1901. By the Durham University Act of 1908 this College was to be affiliated in the Schools of Engineering and Electrical Engineering when the equipment and staff

should be deemed adequate. The affiliation took place in 1930, and in 1931 certain members of the staff were accorded the status of "Recognized Teachers" in the University. The College is represented on Senate and on the Board of the Faculty of Applied Science. Principal—D. A. Wrangham, M.Sc., Sen. Wh.Sc., D.I.C.

ASSOCIATED COLLEGES

Under arrangements now being terminated, students have been able to take in these Colleges courses extending over three years, which qualify for the L.Th. No further students for the L.Th. may be admitted. Nine terms kept in one of these Colleges, after passing the Matriculation Examination, may be counted in lieu of six of the terms required for the B.A., if the student has obtained the L.Th.

St. Aidan's, Birkenhead; St. Andrew's, Oyo, Nigeria; St. Augustine's, Canterbury; the Bible Churchmen's Missionary Coll., Clifton; Chichester; Clifton, Bristol; Coates Hall, Edinburgh; Dorchester; Highbury; St. Peter's, Jamaica; Lichfield; Lincoln; Oak Hill; Queen's Coll., Birmingham; Queen's Coll., St. John's, Newfoundland; Salisbury; Warminster; Bishop Wilson School, Isle of Man.

GENERAL INFORMATION

The University was established in 1832. The College of Medicine, founded in Newcastle in 1834, was associated with the University 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 University. 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 Colleges in King's College, Newcastle upon Tyne.

The University now consists of the Durham and Newcastle Divisions, v. *infra*. Three colleges elsewhere are affiliated to it and eighteen other colleges have hitherto been associated with it for study in Theology, v. *supra*.

LIBRARIES. *See under* the Divisions.

DEANS OF FACULTIES—*Theology*: ..... ; *Arts*: Dr. I. A. Richmond; *Medicine*: Prof. R. B. Green; *Science*: Prof. M. Thomas; *Applied Science*: Prof. W. F. Cassie; *Music*: A. E. F. Dickinson; *Commerce*: A. M. Milne; *Law*: E. C. Ryder; *Education*: Prof. E. J. R. Eagleshem; *Agriculture*: Prof. R. W. Wheldon.

ADMISSION. *See* Appendix I.

DEGREE COURSES. B.A., B.Sc. (in Sci. or Applied Sci.), B.Com., 3 yrs. (for Honours, 3 or 4 yrs.); a general Honours degree in Science is conferred; Evening students may proceed to B.Com. after 4 yrs.' course, but from Oct. 1949 no new students were admitted. B.A. (Soc. Studies), B.A. (in Oriental Studies), LL.B., 3 yrs.; B.A. (in Fine Art), 4 yrs. (for Hons., 5 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.

HIGHER DEGREES. B.D., 9 terms. D.D., 10 yrs. from B.A., 5 yrs. from B.D. M.A., 6 terms from B.A., 6 terms from B.Arch.; M.Litt., 3 yrs.; M.Ed., 2 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., or M.S., 2 yrs. from M.B., B.S.; D.Ch., 3 yrs. after registration as med. practitioner; D.Hy., 2 yrs. from B.Hy.; 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.

Graduates 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. under supervision; D.Ch., 3 yrs.' study, of which 1 yr. in Univ.; M.Sc., not less than 2 yrs.' and not more than 4 yrs.' advanced study or research under supervision; D.Mus., on examination; LL.M., not less than 2 yrs.' and not more than 4 yrs.' advanced study or research under supervision; Ph.D., not less than 2 yrs.' full-time advanced study or research under supervision in the Univ.

LICENCES. *Theology*, open to members of Church of England after 9 terms' residence at an Associated Theol. Coll. after matriculation. No further students for L.Th. may be admitted to Coll. *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. *Foreign Languages*—open to grads of the Univ. in any fac. except Music. *Arabic*—3 terms' course. *Architecture*—5 yrs.' course. *Town Planning*—Open to holders of a Cert. in Town Planning after 3 terms' course. *Art Teaching*—1 yr.'s course. *Public Health*—open to candidates who hold a Cert. in Public Health after an approved course. *Psychiatry*—in abeyance—new regulations being prepared *Agriculture*—3 winters of 2 terms each. (Course suspended until further notice.) *Mining*—3 yrs' course (suspended until further notice). *Commerce*—2 yrs.' course. *Public Administration*—2 yrs.' course *Biblical Studies*—open to grads. of approved Univ. after 3 terms' course. *Anthropology*—open to grads. of approved Univs. after 2 yrs.' course.

FEES Matricn., £2. Examns. · B.A, B.Arch., LL.B, B.Com., B.Sc., £7 : 10s ; B.A. Fine Art, £6; M B, B S., £28; B.D S, £18; M.A, M.S., £6; M.Litt, M Sc, M.Com., LL M, M.Ed., £8; Ph D., M D., £10; D.D., D.Sc., D.C.L., D.Litt., D.Hy., D.Ch., £15; B.D., £13; B.Hy., B.C.L., M.D.S., £12; B.Mus., £10; D.Mus., £9.

Degrees—for initial degrees, £4 · 10s. (B.Mus., £5 : 10s, B.Hy., £6 : 15s.); for Masters' Degrees, B.C.L., B.D., Ph.D., £5; for higher doctorates, £10 (D.Mus., £15).

For Tuition Fees, v. Durham Colleges and King's College.

The UNIVERSITY APPOINTMENTS BOARD, which has recently been established, is concerned with appointments of all kinds. Its activities cover both the Durham Colleges and King's College, Newcastle upon Tyne. (*Appointments Officer*, W. N. Austin; *Assistant Appointments Officers*, T. C. Archbold, B.Sc.; B. E. Q. Smith, B.Sc. (Econ.). *Addresses*: 46 North Bailey, Durham, Tel. 900-901, and King's College, Newcastle upon Tyne, 1, Tel. 26351.)

PUBLICATIONS. *Univ. Cal.* (Oct.), from 1950–51 to be published in two vols.: Vol. I.—Almanack, Statutes, Lists, etc.; Vol. II.—Regulations for Degrees; *Durh. Univ. Journal* (oldest Univ. Mag. in England), once a term, 2s.; *Riddell Memorial Lectures* (Jan.), normally 2s. 6d.

THE YEAR 1948–49

BENEFACTIONS. Bequest of his residuary estate by J. W. Lowthian of North Shields, Northumberland. The amount of the benefaction is expected to exceed £6000. Under the Will of the late Dr. Gordon Bottomley, his folio

editions of Beaumont and Fletcher, Ben Jonson and Edmund Spenser are bequeathed to the Univ. with those vols. in his library issued by the Kelmscott Press which were not bequeathed to the Univ. of Aberdeen.

EMERITUS PROFESSORS. Prof. G. R. Goldsbrough (Maths.); Prof. H. G. A. Hickling (Geol.).

DEATHS. The Most Hon. the Marquess of Londonderry, Chancellor of the Univ. from 1931; Emeritus Prof. Stuart Macdonald, Prof. of Pathol. at Newcastle from 1909 to 1938; Miss Mabel S. Coey, Principal of Neville's Cross Coll. from 1943; Dr. J. Morrow, formerly Reader in Civ. Engin. at Newcastle. He was on the staff, 1906–41.

HONORARY DEGREES. *D.C.L.*—Lord Balfour of Burleigh, formerly Chairman of the Medical Research Council; Lord McGowan, Chairman of I.C.I. Ltd.; The Earl of Scarbrough, Chairman of Court of the Univ. *D.Litt.*—Miss Helen Darbishire, Principal of Somerville Coll., Oxford, 1931–45. *D.Sc.*—Sir Wallace Akers, Director of Atomic Energy Research under Dept. of Industrial and Scientific Research, 1941–46; Sir Harold Spencer Jones, Astronomer Royal; Prof. W. E. Le Gros Clark, Prof. of Anat. in the Univ. of Oxford. *D.Mus.*—C. E. Rubbra, Composer. *M.Sc.*—B. P. Hill, Chairman of the Natural History Society of Newcastle upon Tyne

STUDENTS. Total: 4642; full-time: 4236; pt.-time: 406; the total includes 906 women and 264 postgraduates.

DEGREES, ETC. B.D., 1; B.A., 330; M.A., 41, M.Litt., 2; B.C.L., 1; M.Ed., 9; B.Arch., 11; LL.B., 18; LL.M., 1, B.Sc., 372; M.Sc, 15; M.B., B.S., 93; M.D., 8; M.S., 1; B.D.S., 18; M.D.S., 1; D.Mus., 5; B.Com., 40; M.Com, 1; Ph.D, 18, Dip.Th., 23, Dip Ed, 140; Dip.Arch., 24; Dip.Agric., 1; Dip.Com., 2; Dip. Public Admin, 10; Dip. Town Planning, 4, Dip. Youth Service, 13; Dip Theory & Practice of Teaching, 1.

THE DURHAM COLLEGES

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—G E. FAWCUS, C.I E., O B E , M A. Oxon.

LIBRARIAN—D. G. RAMAGE, M.A Edin.

Telephone : Warden, Treasurer and Secretary—Durham 300–301.

Office : 38 North Bailey, Durham.

TEACHING STAFF

Archæology

Birley, E., M.B.E., M A. Oxon., F.S.A
Reader (Romano-British A.) and Dir. Archæol. Research.

Botany

Valentine, D H , M.A , Ph D Camb., F.L S. Prof.
Chalklin, Kathleen M., M.Sc. Wales Lectr.
Crosby, J. L , M A , Ph D. Camb Lectr.
Foster, W E , M Sc , Ph.D Lectr.

Chemistry

Paneth, F A., Ph.D. Vienna, F.R.S Prof.
Christie, G. H., M.Sc., Ph.D. Sheff. Sr Lectr
Gibby, C. W., M.Sc., Ph.D. Lond. Lectr.
Musgrave, W. K. R., B.Sc., Ph.D. Birm. Lectr
Crawford, V. A., M.Sc. Cape T., Ph.D. S.A. (Theoret. Chem.) Lectr.
Martin, G. R., B.Sc. Lond. (Radiochem.) Lectr.
Chackett, K. F., B.Sc., Ph.D. Birm. (Radiochem.) Lectr.
Gregory, J. E., B.Sc., Ph.D. Birm. (Pt.-time) Lectr.

Classics

Woodcock, E. C , M.A. Camb. (Latin) Prof.
Skemp, J. B., M.A. Camb., Ph.D. Edin. (Gk. and Cl Lit) Prof.
Wright, R P , M.A. Camb., F.S A. Sr Lectr.
Kerferd, G. B., M.A. Melb. and Oxon. Lectr.
Norman, R. T., M.A. Lond. and Oxon. (Anc. Hist. and Philos) Lectr.
Williams, R. T., B.A. Wales Lectr.
Collinge, N. E., B.A. Camb. Lectr.
Lacey, W. K., M.A. Camb. Lectr.
Sandys-Wood, A. L., M A. Camb., B.Litt Oxon. (Pt -time) Lectr.

Education

Eaglesham, E. J. R., M A., B.Ed. Edin., LL.B. Lond Prof.
Smith, F. V., M.A Syd., Ph.D. Lond., F.B.Ps.S (Educ. Psychol.) Prof.
Daldy, Dorothy M., M.Sc. Brist. Lectr.
Watson, Ethel M., B Sc. Lectr.
Hewitt, E. A., B.A. Brist. Lectr.
Grant, J J., M.A., Ed.B. Glas. Lectr.
Calvert, Florence I., M.A. Sheff. Lectr.

English Lang. and Lit.

Abbott, C. C., M.A. Lond , B.A., Ph D. Camb. Prof.
Colgrave, B., M A. Camb., F.S.A. Reader.
Leech, C., M.A., Ph.D. Lond. Sr Lectr.
Curgenven, J. P., M.A. Oxon. Lectr.
Horsman, E. A , M.A. N Z. Lectr.
Brooke, N. S., B.A. Camb. Lectr.
Walker, Vera, M A. (Pt.-time) Lectr.

French

Sells, A. L., M.A. Camb., D. de l'U. Paris Prof
Williams, Mary, M.A. Wales, D. de l'U. Paris, Chev. Lég. d'H. Actg. Prof.
Wilson, R. L., M.A., B.Litt. St. And. Lectr.
Trudgian, Helen M , D. ès L. Paris Lectr.
Telfer, Jean M., B A., B Litt. Oxon. Lectr.
Collet, G.-P., L ès L. Geneva Lectr.
Allen, L., M.A. Manc. Lectr
Fontenilles, A. J. M., L. ès L Bordeaux Lecteur.
L'Hermit, F., L. ès L. Rennes Lecteur.

Geography

Slater, L , M.A. Camb. Reader.
Holmes, C. W., M.A. Lectr.
Errington, Sarah C., M.A. Lectr.
Bowen-Jones, H., M.A. Camb. Lectr
King, Cuchlane A. M., M.A., Ph.D. Camb. Demr.

Geology

Dunham, K C., D.Sc.
Hopkins, W., D.Sc., Ph.D. Sr. Lectr.
Stewart, F. H., B.Sc. Aberd., Ph.D. Camb. Lectr.
Vincent, E. A., B.Sc. Reading (Mineralogy) Lectr.
Phillips, R., B.Sc. Leeds Lectr.

German

Scott, D. F. S., M.A. Lond , Dr. Phil. Göttingen Reader.
McCourt, Isobel, M.A., Ph.D. Edin. Lectr.
Orton, G., M.A. Oxon. Lectr.
Wolpers, T., Dr Phil. Bonn Lektor.

History

Hughes, E., M.A. Manc. Prof.
Offler, H S., M.A Camb. (Med. Hist.) Reader.

Lecturers

de Groot, E. H. U., M.A. Oxon.
Jackson, Betty E., M.A. Oxon.
James, M. E., B.A. Oxon.
Ellis, K. L., M.A. Oxon.

Mathematics

Burchnall, J L., M.C., M.A. Oxon. Prof.
Baxter, E. F., M.A. Camb., M.Sc. Lond. Sr. Lectr.
Willmore, T. J., M Sc., Ph.D. Lond. Lectr.
Whitworth, J. V., M.Sc., Ph.D. Manc. Lectr.
Padfield, Daphne G., B.A. Lond., Ph.D. Camb. Lectr.

Music

Hutchings, A. J. B., B.A., B.Mus. Lond. Prof.
Dickinson, A. E. F., M.A., B.Mus. Oxon. Lectr.
Harman, R. A., B.Mus. Lectr.

Oriental Studies

Thacker, T. W., M.A. Oxon. Prof.
Macadam, M. F. L., M.A., D.Phil. Oxon. (Egyptol.) Reader.
Simpson, C. G., B.A. Lond. (Turkish) Reader.
Thornhill, Rev. R., M.A. (Hebrew) Lectr.
Craig, A. J. M., M.A. Oxon. (Arabic) Lectr.

Hill, R. L., B.A., B.Litt. Oxon. (Near Eastern History) Lectr.
Wilson, J. V. K., M.A. Oxon (Assyriology) Lectr.

Palæography and Diplomatic

Davies, J. C., M.A. Camb. Reader.

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., B.Sc., Ph D. (App. Elec.) Sr. Lectr.
Thornton, S., B.Sc., Ph.D. Lectr
Caffyn, J. E., B.Sc. Reading Lectr.
Corner, W D., B Sc , Ph.D. Leeds Lectr.

Politics and Economics

Hood, F. C., M.A. Edin. and Oxon. (Pol. Theory and Institutions) Prof.
Allen, E., M A. Sheff (Econ.) Reader.
Moos, S., D.Econ. Berlin (Econ) Lectr.
Bromhead, P. A., M.A. Oxon. (Politics) Lectr
Vale, V., M.A. Camb. (Politics) Lectr.
Alderson, Marjorie, B.A. Manc. (Econ.) Lectr.

Theology

Greenslade, Canon S. L., M.A. Oxon. Prof.
Turner, Canon H. E W., M.A. Oxon. Prof.
Whitehouse, Rev. W. A., M.A Camb., B.Litt. Reader.
Barrett, Rev. C K , M.A., B.D. Camb. Lectr.
Wilkie, J. M., M.A. Edin., B.D. Oxon. Lectr.
Cranfield, Rev. C E. B., M.A. Camb Lectr.

Zoology

Cragg, J. B., M.Sc. Prof.
Harley, Margaret B , B.Sc. Lond. Lectr.
Davies, L., B.Sc. Wales, Ph.D. Lectr.

University Extension

58 Tutors were employed, of whom 4 were on the staff of the Extra-mural Dept. and 27 were members of the University Internal Staff. Director of Extra-mural Studies : H.J. Boyden, B.A., B.Sc. (Econ.) Lond. Staff Tutors : R. C. Morton, B.A. Liv. ; D. S. Reid, M.A., Ph D. St. And. ; W. W. Taylor, M A. ; Sec. of Northern District of W.E.A., C. H. Hocking, B.A.

ADMINISTRATIVE OFFICERS

Asst. Treasurer of the Durham Colls.—A. E. Green, C.I.E., O.B.E., M.A. Oxon. Asst. Sec. (for Science) of the Durham Colleges—Beatrice Hollingworth, B.Com. Sec. of St. Cuthbert's Society—H. H. Carleston, C.I.E., O.B.E., M.A. Oxon. Sec. of Bede Coll.—..... . Sec. of St. Mary's Coll.—Christine M. Fage, B.A. Camb. Sec. of St. Hild's Coll.—Dorothy E. Jayne. Sec. of Neville's Cross Coll.—Lina G. Yeoman. Sec. of St. Aidan's Society—Elizabeth Sladden, B.A.

THE DURHAM COLLEGES

UNIVERSITY. Master—Lt.-Col. A. A. Macfarlane-Grieve, M.C., M.A. Vice-Master—L. Slater, M.A. Camb. Censor and Tutor in Science—J. E. Gregory, B.Sc., Ph.D. Birm. Censor and Tutor in Arts—R Thomson, M.A. Oxon. Librarian—R. P. Wright, M.A. Camb., F.S.A. Chaplain—Rev. J. C. Wallis, D.S.C., B.A., L.Th. Treasurer—G. E. Fawcus, C.I.E., O.B.E., M.A. Oxon.

HATFIELD. Master—E. Birley, M.B.E., M.A. Oxon., F.S.A. Vice-Master —R. L. Wilson, M.A., B Litt. Senior Tutor—A. L Sandys-Wood, M.A. Camb., B.Litt. Oxon. Librarian—W. von Leyden, D.Phil. Resident Chaplain—Rev. J. C. Wallis, D.S.C., B.A., L.Th. Treasurer—G. E. Fawcus, C.I.E., O.B.E., M.A. Oxon.

ST. CHAD'S. Principal—Rev. T. S. Wetherall, M.A Oxon Vice-Principal —Rev. R. E. Cant, M.A. Chaplain—Rev. J. G. Graham, M.A. Lectr.— G. B. Kerferd, M.A.

ST. JOHN'S. Principal—Rev. R. R. Williams, M.A Camb Censor and Chaplain—Rev. B. Beckerleg, M.A. Camb. Senior Tutor—.....

ST. MARY'S (for women). Principal—Margaret B. Fergusson, M A. St. And. and Camb. Tutors—Sarah C. Errington, M.A.; Betty E. Jackson, M.A. Oxon.; Ethel Watson, B.Sc. Sec. and Tutor—Christine M. Fage, B.A. Camb. Bursar—Marjorie B. Booth. Treasurer—G. E. Fawcus, C.I.E., O.B.E. M.A. Oxon.

*BEDE. Principal—Rev. G. E. Brigstocke, M.A. Oxon Vice-Principal— D. E. Webster, B.Sc., M.Ed Lectrs —Rev. L. R. Pearson, M.A., G. E. Selby, M.A.; J. K. Powell; P. H. Davies; J. Carrick, B.Sc.; F. G. Dyer; W. Hart, M.A.; J. B. Hannah, M.A.; E. Whiteley, B.Sc.; W. Lishman, B.Sc. Bursar—I E. Lawson, F C.I.S.

†ST. HILD'S (for women). Principal—Angel L. Lawrence, M.B.E , M.A., LL.B. Camb. Lectrs.—Gladys Hinde, Ph.D. Lond.; Barbara McRae, B.A. Lond. G. Helen Ewence, B.A. Lond.; Kathleen Diggle; Christina G. Peddlesden; Vivian Gibbon, B A.; Annie Smailes; Violet E. Dale; Jean Sykes, B.Sc.; Mrs. Brenda C. Woodrow; Mrs Mary Stewart, M.A ; Cyril Maude, F.R.C.O.

†NEVILLE'S CROSS (for women). Principal—Netty M. Lunan, M.A. Lectrs. —Marjorie J. Anderton, B.A.; Winifred M. A. Lomas, B.Sc.; Frances I. P. Love, M.A.; Dorothy Whitehouse, M.A.; Muriel D. Firth, B.A.; Margaret Love, M.A.; Edith H. Rogerson; Sheila J. Ward; Susan MacMahon, M.B., Ch.B.; Mary A. Lawson, M.A.; Cyril Maude, F.R.C.O.

ST. CUTHBERT'S SOCIETY. Principal—C. Leech, M.A., Ph.D. Lond. Tutors —G. H. Christie, M.Sc., Ph.D. Sheff.; E. H. U. de Groot, M.A. Oxon.; E. A. Hewitt, B.A. Brist.; S. Moos, Dip. Econ. Berlin; G. Orton, M.A. Oxon.; Rev. R. Thornhill, M.A.; S. Thornton, B.Sc.; D. H. Valentine, M.A., Ph.D. Camb.; R. T. Williams, B.A. Wales; T. J. Willmore, M.Sc., Ph.D. Lond. Secretary— H. H. Carleston, M.A.

*** Training College under the Ministry of Education recognized as a College of the Durham Division of the University.**

† Training Colleges under the Ministry of Education licensed by the Council of the Durham Colleges as places of residence for students reading for degrees in the Durham Division of the University.

ST. AIDAN'S SOCIETY (for women). Principal—Ethleen M. Scott, M.A. Lond. Tutors—Mrs. E. H. U. de Groot, M.A. Oxon.; Marjorie Alderson, B.A. Manc.; Daphne G. Padfield, B.Sc. Lond., Ph.D. Camb.; Helen M. Trudgian, D. ès L. Paris. Chaplain—Rev. R. P. McDermott, B.A. Dublin.

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 students lived in Coll., but post-war expansion has made this impossible, and approximately one-quarter of the total number now belong to St. Cuthbert's Society or St. Aidan's Society and live in licensed lodgings in the City, or at home.

LIBRARY. 90,000 volumes, 173 incunabula; including rare theological and patristic books.

ADMISSIONS. *See* Appendix I.

FEES (including tuition, board and lodging and subscriptions). Univ., Hatfield, St. Chad's and St. John's, annual charges—caution money, £5; Arts, £147; Science, £156. St. Mary's, annual charges—caution money, £5; Arts, £135; Science, £144. The fees payable in the remaining Colls. vary with the means of the students Students of St. Cuthbert's Society pay £42 per annum in Arts, and £51 per annum in Science, tuition fee. Students of St. Aidan's Society pay £45 in Arts and £54 in Science, tuition fee. In addition all students pay £4 subscription to Sports Clubs and Societies.

FELLOWSHIPS AND STUDENTSHIPS. 9 Research Studentships, £200, open only to candidates who have kept terms and taken an initial degree in Durham Division. Pemberton Research Studentship, £200, open only to candidates who have kept terms and taken B.Sc. in Durham Division. One Research Fellowship in Arts, £600, and one Research Fellowship in Science, £600.

SCHOLARSHIPS. Ten Foundation Scholarships or Exhibitions are awarded by examination each year. The annual value of a Scholarship is £70, and an Exhibition £40. Other Scholarships available are: The Pears, £40; The Pemberton, £40; The Wansbrough, £50; The Horsfall (3), £40; The Christopher Mather, £40; The Organ, £40; The Winifred Foster, £40; The Ellerton, £31. All the Scholarships with the exception of the last may qualify for supplementation.

THE YEAR 1948–49

BENEFACTION. Mr. and Mrs. H. N. Spalding of Oxford contributed £6000 towards the cost of purchasing the Duke of Northumberland's famous Alnwick Collection of Egyptian and Mesopotamian Antiquities.

NEW BUILDINGS. Extensions to the Science Labs., begun in 1939 and delayed by the war and its aftermath, were formally opened in Nov. 1948. The ceremony was performed by Dr. Alexander Fleck in the absence of Lord McGowan, who was prevented from attending by illness.

NEW POSTS. The following new posts were instituted during the session: Readership in German, Readership in Turkish, Lectureship in Near Eastern

History, Asst. Treasurership. The Professorship of Latin was revived after 10 yrs. in abeyance.

EXTRA-MURAL WORK. 71 classes completed the full session, 53 being tutorial classes and 18 sessional classes. There were also 7 Univ. evening courses, 15 short sessional or extension lecture courses, 20 short courses, 28 single lectures and 2 Tutors' conferences. The subjects studied in tutorial and sessional classes included Engl. Lit., 21; Internat. Affairs, 11; Psychol., 7; Econ., 7; History, 4; Local History, 3; Philos., 3; Biol., 3; Music, 3; Religion, 2; Law, 3; Govt., 1; Art, 1; Geol. 1; German Lit., 1.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. The Warden was a member of the Indian Govt. Commission appointed to visit the Indian Univs. and was in India from Nov. to June. Prof. A. L. Sells (French) visited the Univ. of Indiana during the whole of the session.

RESIGNATION. W. K. Severs (pt.-time Lectr. in Engl. and Tutor of Hatfield Coll.), on appt. to the staff of the B.B.C. Northern Region.

STUDENTS. Total: 1060; full-time: 1026; pt.-time: 34; the total includes 224 women and 134 postgraduates.

DEGREES, ETC. B.D., 1; B.A., 162; M.A., 20; B.C.L., 1; M.Ed., 7; B.Sc., 47; M.Sc., 1; Ph.D., 2; Dip. Th., 23; Dip. Educ., 59; Dip. Youth Service, 13.

KING'S COLLEGE, NEWCASTLE UPON TYNE

CHAIRMAN OF COUNCIL—Rt. Hon. THE VISCOUNT RIDLEY.

RECTOR—Rt. Hon. LORD EUSTACE PERCY, M.A. Oxon., LL.D. Edin., Hon. LL.D. Natal, D.C.L. (Pro-Vice-Chancellor of the University).

SUB-RECTOR—Prof. D. T. JACK, J.P., M.A. Glas

DEAN OF MEDICINE—Prof. 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—R O. MACKENNA, M A Glas.

Telephone : College—Newcastle upon Tyne 23401.
Medical School—Newcastle upon Tyne 21601.

TEACHING STAFF

Accounting

Nolan, F. E. V. Lectr.

Agriculture and Rural Economy, v. *infra*

Anatomy, v. Med.

Anthropology

Meinhard, H. H., Dr.phil. Bonn Reader.

Archæology, v. Classics

Architecture

Edwards, W. B., B.Arch. Liv., M.A. Manc., F.R.I.B.A. Prof.

Lecturers

Napper, J. H., M.A.
Spence, C. C., B.A.
Turley, R.
Allsopp, H. B., B.Arch., Dip.C.D. Liv.
Williamson, W. H.
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.

Lectrs. in Evening Courses

Smith, J C., Dip Arch.
Hardy, A. C., B.Arch.
Cooper, D W., B.Sc (Eng.) Lond.

Art (School of Fine Art)

Gowing, L. Prof. and Dir. of School.
McCheyne, J. R. M., D.Art Edin. (Sculpture) Master.
Evetts, L. C., M.A. (Design) Master.
Cornford, C. F. (Painting) Master.
Dalby, Helen (Textile Design) Lectr.
Dudley, G. M. (Sculpture) Lectr.
De Grey, R. (Painting) Lectr.
Straker, E. J. (Comm. Art and Display) Lectr.
Lall, Mrs. Diana M., B.A. Birm. (Hist. of Art) Lectr.
Howie, Jean (Dress Design) Teacher.
Hodgson, Louisa (Drawing) Teacher.

Cruse, A. (Woodwork) Teacher.
Hedworth, W. H. (Metalwork) Teacher
Palmer, Sylvia, M.A Edin. Sec. Librarian

Bacteriology, v. Med.

Botany, v. also *infra* Agric.

Thomas, M., M.A. Camb., F R.S. Prof.
Blackburn, Kathleen B., D.Sc. Lond., F L.S (Cytology) Reader
Clark, W. A., B.Sc., Ph.D. St. And. Lectr.
Fothergill, P G., B Sc., Ph.D. Lectr.
Richardson, J. A , M Sc. Lectr
Ranson, S. L , B.Sc , Ph.D. Lectr
Moss, Betty L , M.Sc., Ph.D. Lond. Lectr
Elliott, Eveline, B.Sc., Ph.D. Demr

Chemistry, v. also *infra* Agric.

Clemo, G. R., Ph.D., D.Sc. Lond., D.Phil. Oxon , F.R.S., F.C.S , F.R.I C. (Org. C.) Prof. and Dir. of Dept.
Wynne-Jones, W. F. K., B.Sc. Oxon., D.Sc. Wales (Phys. C.) Prof.
Robinson, P. L., D.Sc , F.C.S., F.R.I.C. Reader.
Weiss, J , D.Eng. Vienna, Ph.D. Lond., F.C.S. Reader.

Lecturers

Aynsley, Rev. E. E., M.Sc., Ph.D., F.R.I.C.
Bishop, E., B Sc. Glas., F.C.S.
Dodd, R. E., B.A., B.Sc. Oxon., F.C.S.
Harris, J. O., B.Sc., Ph.D. Lond.
Holden, D., M.Sc., Ph.D. Manc., F.C.S.
Jack, K. H., M.Sc., Ph.D.
Madgin, W. M., D Sc., F C.S
Mallen, Catherine E., M.A. Camb , F C S.
Raper, R., M A , Ph D. Camb., F C S , F R I C.
Simmonds, W. H. C., M.A., B Sc. Oxon.
Stadler, H. P., B.Sc Lond., Ph.D. Leeds
Swan, G. A , B.Sc., Ph.D
McWeeny, R , B Sc. Leeds, D Phil Oxon.
Thirsk, H . R., B.Sc., Ph.D Lond. D.I.C., F.R.I.C
Blayden, H. E., B.Sc. Lond , F.R.I.C. (Coke Research).
Marsh, H , B.Sc., Ph.D., F S C I (Coke Research).

Research Assistants

Stein, G , M Sc. Jerusalem, Ph D
Mitchell, Agnes G., B.Sc St. And.
Lind, R., B Sc. St And
Beck, W. H , B Sc. St And
Butler, G , M A. Camb.

Demonstrators

Smith, E. J., B Sc. Lond
Vipond, H J , B.Sc
Smith, J. H. Dept. Asst.

Classics and Ancient History

Fletcher, G. B. A., M.A. Camb. (Classics) Prof.
Richmond, I. A., M.A. Oxon., LL.D. Edin., F.B.A., F.S.A. (Roman-Brit. Archæol.) Prof.
Hudson-Williams, H L., M.A. Camb. (Greek) Reader.
Anderton, Mrs. Constance M., M.A. Lectr.
Whittick, G. C., M.A. Oxon. Lectr.
Sims, B. J., M.A. Camb. Lectr.
Ferguson, J., M.A. Camb., B.D. Lond. Lectr.
Reynolds, Joyce M., M.A. Oxon. Lectr.
Gillam, J. P., M.A. Lectr.

Dentistry, 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. Heidelberg Lectr.

Economics, v. also Accounting

Jack, D. T., M.A. Glas. D. Dale Prof.
McCallum, E. D , M A. Glas. (Industrial Org.) Reader.
Milne, A. M., O.B E., M.A. Edin. Lectr.
Braithwaite, Constance, B.Sc. (Econ), Ph D Lond. (Social Studies) Lectr
Lloyd, Alice K., M.A Oxon Lectr.
Petch, G. A., B Com. Leeds Lectr.
Smith, F. M., B A. Oxon. and Mt A. (Social Studies) Lectr
Watkin, E. E., M.A. Wales Lectr.

Education

Tuck, J. P., M.A. Camb. Prof.
Brown, V., O.B.E., T.D., M.Sc. Lectr.
Smeltzer, D., B.Sc. Lectr.
Ward, Irene J., B.Sc. Lond. Lectr
McKenzie, A. W., B.Sc Lectr.
Liddell, L. E., B.A. Leeds Lectr
Haslewood, Mrs. Doreen C Lectr.
Eden, Alice, B.A. Liv. and Lond. Lectr.
Gilbert, M., M.A. Camb., B.A., B.Sc. (Econ.) Lond. Lectr.
Dobson, J. L., M.A. Lectr.
Hockey, S. L., M.A. Brist. Lectr.
Lister, W., M.A., M.Ed. Manc. Lectr.
Sievwright, Margaret F. (Speech and Drama) Asst.

Engineering, Civil

Cassie, W. F., Ph.D. St. And., M.S. Illinois . Prof.

Lecturers

O'Grady, S C , B A , B A.I. Dub
Isaac, P. C. G., B Sc (Eng.) Lond.
Cooper, D. W., B Sc. (Eng.) Lond.
Williams, T. E. H., M.Sc. Wales.

Engineering, Electrical

Prescott, J. C., D Eng. Liv. Prof.
Lyddiard, J A , B.Sc. Birm. Lectr
..... Lectr.
Livingstone, E A., M.Sc. Lectr.
Ritson, F. J U., B Sc. Lectr.
Short, P., M Sc. (Eng.) Lond. Lectr.

Engin , Mechanical and Marine, v. also Nav Arch.

Burstall, A F., D Sc. Melb., Ph.D Camb., M Sc. (Eng) Birm Prof.
Talbott, A. C., M.Sc. Birm. Lectr.
Beeley, E. W., M Sc Tech Manc. Lectr.
Hiscock, R , M.Sc Lectr.
Patterson, W. S., D.Sc , Ph.D. Lond , M Sc. Leeds, F.R.I.C. (Fuel Technol) Lectr.
Robinson, F , B Sc. (Eng.) Lond. Lectr.
Gilchrist, A , B Sc Lectr.
Gregory, R. W., B.A. Camb. Lectr.
Jones, A. W , B.Sc. (Marine Eng.) Lectr.
Thomas, E. R., O.B.E., M.A. Camb., M Sc. Wales, D.C.L. Lectr
Gosney, W. B., B.Sc.(Eng) Lond. Lectr.
Owen, B. S., M.A. Camb Lectr.
Cohen, H., M A. Camb. Research Fellow.
Boggis, A. G., B.Sc. (Eng.) Lond. Research Asst.

English

Butt, J. E., B.Litt., M A. Oxon. J. Cowen Prof.
Elmes, R. S., M.A. Camb. Lectr

Macdonald, A., M.A., Ph.D. Edin. Lectr.
Ure, P., M.A. Liv. Lectr.
Christian, Ruth, B.A. Leeds Lectr.
Clarke, C. C., B.A. W. Aust. and Oxon. Lectr.
Maxwell, J. C., M.A. Oxon. Lectr.

French, v. Modern Langs.

Genetics, v. Botany

Geography, v. also Anthropology
Daysh, G. H. J , B Litt. Oxon Prof.
House, J. W., M.A. Oxon. Lectr.
Conzen, M. R. G., M.A., Dip T.P. Manc. Lectr
Anson, W. W., B.Sc. Lectr.
Mather, D. B., B.A. Lond. Lectr.

Geology
Westoll, T. S., D.Sc. Aberd., B.Sc., Ph.D., F.G.S. Prof.
Tomkeieff, S. J., D.Sc., F.G.S. Reader
Mockler, G. S., B.Sc. Liv. and Manc. Lectr.
Raistrick, A., M.Sc., Ph.D. Leeds Lectr.
Randall, B. A. O., B.Sc. Lectr.
Robson, D. A., M.Sc., F.G.S. Lectr.
Shirley, J., D.Sc. Manc., F.G.S. Lectr.
Lee, J., B.Sc. Lond. Dept. Asst.

German, v. Mod. Langs.

History, Ancient, v. Classics

History, Modern
Burn, W. L., M.A. Oxon. Prof.
Brown, J. M., M.A. Glas. (Politics) Reader.
Tomkeieff, Mrs. Olive G., M.A., LL.B. Camb., B.A. Lond., F.R.Hist.S. Lectr.
Taylor, Mrs. Joan M., B.A. Lond. Lectr.
Beckingsale, B. W., M.A. Camb. Lectr.
Brunton, D., B.A. Oxon. Lectr.
Hughes, E. W., M.A., B.Litt. Oxon. (Politics) Lectr.

Law
Ryder, E. C., M.A., LL.B. Camb. Lectr. and Director of Legal Studies.
Charlesworth, J., LL.D. Lond. Lectr.
Johnson, E. L., M.A., LL.B. Camb. Lectr.

Mathematics
Rogosinski, W. W., Dr.Phil. Göttingen Prof. Pure Maths., Reader Math. Anal.
Green, A. E., M.A , Ph.D., Sc.D. Camb (Applied Maths.) Prof.
Hamilton, O. H. Visiting Prof. (Stillwater, U.S.A.)
Colborne, D. C., M A. Camb. Lectr.
Gilbert, C., B.Sc., Ph.D. Lond. Lectr.
Wilkes, E. W., M A., B.Sc. Oxon. Lectr.
Mitchell, K., B.A., Ph.D. Camb. Lectr.
Hirsch, K. A., D.Phil. Berlin, Ph.D. Camb. Lectr.
Bonsall, F. F., M.A. Oxon. Lectr.
Goldie, A. W., M.A. Camb. Lectr.
Wassermann, G. D., B.Sc., Ph.D. Lond. Lectr.
Weston, J. D., B.Sc., Ph.D. Lond. Lectr.
Chadwick, Mrs. Mary, B.Sc. Liv. Lectr.

Metallurgy
Preece, A., M.Sc. Wales, F.I.M. William Cochrane Prof.
Ellwood, E. C., B.Sc., Ph.D. Lond. Lectr.
Tottle, C. R., M.Met. Sheff. Lectr.
Parkins, R. N., B.Sc. Lectr.

Mining

Poole, G., B.Sc. Birm., F.G.S. Milburn Prof.
Potts, E. L. J., M.Sc Reader.
Robinson, H. Y., M.Sc. Lectr
Pearson, G. M., B.Sc. Lectr.
Bell, W. B., B.Sc. Demr. and Research Asst.

Modern Languages

French

Girdlestone, C. M., M.A. Camb., L. ès L. Paris Prof.
Delacourcelle, Mrs. Doris W., M.A. Camb, L. ès L., D. d'Univ. Poitiers Lectr
Suckling, N. C., M.A. Oxon., B.A. Lond. Lectr
Underwood, V P., B.A, Ph.D. Lond., D. ès L. Paris Lectr.
Dubois, Mrs. Elfriede T., M.A. Birm Lectr.
Lortsch, A D., L. ès L Lecteur. German and Scandinavian Studies.
Mennie, D. M., M.A. Aberd., D.Phil. Kiel Reader.
Sinclair, R. F., M.A. Edin. Lectr.
McFarlane, J. W., M.A., B.Litt. Oxon. Lectr.
Manners, Mrs. Amy, B.A. Lectr.
Roppen, G. S. (Norwegian) Lectr.
Stockmeier, Fr. Martha (German) Lector.
Leander, A. (Swedish) Lector.
Laugesen, S. H., Cand. Mag. Aarhus (Danish) Lector.

Spanish

Sarmiento, E., B.A., Ph.D. Lond. Reader.
Blair, Mrs. Jessie M., M.A. Edin. Lectr.
Reid, K. S., B.A. Durh and Lond. Lectr.
Taylor, A. L., B.A. Sheff. Lectr.
Sykes, Irene J., B.A. Liv. Lectrice.

Music

Burns, C., M.A., Mus.B. Camb., Mus.Doc. Edin. Lectr. and Director of Dept. in Newcastle.
Hudson, F., D.Mus. Lectr.

Naval Architecture

Burrill, L. C., M.Sc., Ph.D. Prof.
Muckle, W., M.Sc. Lectr.
McLachlan, J. E. Lectr.
Baxter, B. N., B.Sc. Lectr.
Boggis, A. G. (v. Eng., Mech. and Marine) Research Asst.
Emerson, A , M.Sc. Sup. Research Asst.
Ridler, A. V. Research Worker.

Philosophy, Mental and Moral

Findlay, J. N., M.A. S.A. and Oxon., Ph D. Graz. Prof.
Rainer, A. C. A., M.A. Edin. Lectr.
Midgley, G. C. J., M.A., B.Phil. Oxon. Lectr.
Russell, D C , B A. Lond., A M. Harv. (Psychol.) Lectr.

Physics

Curtis, W. E., D.Sc. Lond., D I.C., F Inst.P., F.R.S., F.R.A.S. Prof. and Director of Dept.
..... Prof.
Richardson, E. G., B.A., Ph.D., D.Sc. Lond. Reader.
Wood, J. F., M.Sc. Lectr.
Darbyshire, O., M.Sc. Manc., F.Inst.P. Lectr.
Roscoe, R., B.Sc., Ph.D. Lond. Lectr.
Schneider, E. E., Dr.phil.nat. Freiburg, F.Inst.P. Lectr.
Littlefield, T. A., B.Sc., Ph.D. Lectr.
Thorley, N., B.Sc., Ph.D. Leeds, F.Inst P. Lectr.
Lawley, L., B.Sc. Wales Lectr.
Bainbridge, W. Dept. Asst.

Physiology, v. Med.

Psychology, v. Philosophy

Speech and Drama, v. Education

Surveying

Fryer, D H , O.B.E. Reader.

Town and Country Planning

Allen, J. S , B Arch. Liv. Prof.
Hackett, B., M.A (Landscape Arch) Lectr.
Riley, C. F., Dip.Arch., Dip. T P. Manc. Lectr.
Taylor, P., Dip.Arch., Dip. C D. Liv. Lectr.
Thomas, D. L. Lectr.
Sutherland, A. C , B Sc , Dip. Arch. Glas. Lectr.
Charlesworth, J., LL.D. Lond. (Town Planning Law) Lectr.
Ogden, W M , B.Sc. Manc Lectr.
Roberts, Mrs. Nora, B.Arch. Liv. Lectr.
Storey, R. J., F.A I. Lectr.

Zoology

Hobson, A D , M A. Camb. Prof.
Burtt, E. T., Ph.D. Camb. (Entomol) Reader.
Bull, H. O., D.Sc , Ph.D. Lond. (Marine Biol.), Asst. Dir Marine Lab. Reader.
Steel, A., M.Sc. Wales Lectr.
Ellenby, C., D.Sc., Ph.D. Lond. Lectr.
Philip, Ursula, Dr.phil. Berlin Lectr.
Shaw, J., M.A. Camb. Lectr
Philipson, G. N., B.Sc., Ph.D. Lectr.
Ellenby, Mrs. Mary, B.Sc. Lond. Demr.
Cowey, J. B., B.A. Camb. Demr.
Shaw, Mrs. Linda Z., B.Sc. Demr.
Thompson, J. A., B.Sc. Naturalist at Marine Lab.
Bossanyi, J., B.A. Oxon. Asst. Naturalist.
Grigg, Ursula M., B.A. Camb. Asst. Naturalist.
Cowan, Mrs. Dorothy Librarian at Marine Lab.

Agriculture and Rural Economy

Agriculture

Wheldon, R. W , D.Sc. Dean, Prof. and Director of Dept
Pawson, H. C., M.B.E , M.Sc. Prof. and Asst. Dir.
Mitchell, T. M. Lectr.
Hall, J S , B Sc Lectr
Blackett, G. A., B.Sc. Asst.
Hetherington, E. J , B Sc. Asst.

Agric. Bacteriology

Allan, Ruth E. A., B Sc Lectr.

Agric. Botany

Jones, M., M.Sc. Wales Prof.
Clark, Mrs. Helena H., M.Sc. Lectr.
Smith, J. D., B.Sc. Lectr.
Thompson, Mrs. Amy A., B.Sc , Dip.Ed. Lectr

Agric. Chemistry

Thomas, B., M.Sc Reader and Asst Director
Hunter, F., B.Sc Lectr.
Thompson, A., M Sc. Lectr.
Armstrong, D. G., M.Sc Demr.
Armstrong, R. H., M.Sc. Demr.

Agric. Economics

Dinsdale, D. H., M.A. Asst Director.
Blake, J. G., B A. Lectr.

Provincial Agric. Econ. Service

Dinsdale, D. H., M.A. Prov. Agric. Econ.
Carpenter, E. M., M.A. Oxon. Agric. Econ.
Winter, T., Dip.Agric. Asst. Agric. Econ.
Robson, S., B.Sc. Asst. Agric. Econ.
Tansey, A. W., B.Sc. (Agric.) Lond. Asst. Agric. Econ.

Weeks, W. G. R., B Sc.
Asst. Agric. Econ.
Baldwin, W., Dip.Agric.
Inv. Officer.
Davison, W. T. Inv. Officer

Agric Engineering

M'Ewen, E G., M.Sc Lond Prof.
Fail, H., B.Sc. Lectr.
Mouat, G. C , B.Sc. Lectr.

Agric Entomology

Harrison, G. H , Ph D. Lectr

Agric. Surveying and Estate Management

Main, A., B Sc. Lectr.

Medicine

Green, 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 , Ch.B. Camb , D.A. Prof.
Mackenzie, A., M.B., B.S., D A.
First Asst.
Davison, M. H. A., M B.E., M.D., B.S., D.A. Lectr.

Clinical Tutors

Ayre, T. P.
Houston, Mrs. Winifred M., M.B., B.S.
Markham, H. H., M.B., B.S., D.A.
Murray, J. L., M.B., B.S.
Osselton, Mrs. Eleanor W., M.B., B.S

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.
Prof. and Deputy Dir.

Lecturers.

Tonge, C. H., 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.
Perrott, J. W.

Demonstrators

Borthwick, J., M.B., B.S.
Hayes, G., M.B., B.S.
Dickinson, P. H., M.B., B.S.
Waugh, I. G., M.A , B.M , B.Ch. Oxon.
Tanner, C P., M.B., B.S.
Chaytor, R. G., M.B., B.S.
Robson, H. E., M.B , B S

Bacteriology

Dunlop, E. M., M.C., M.D. Glas., M A Prof.
Elliot, J. S., M.B., Ch.B. Edin , D.P.H Lectr.
Emslie-Smith, A H , M B., Ch B. Aberd. Lectr.
Emslie-Smith, Mrs. Muriel, M Sc Lectr.
Green, C. A , M D , Ch.B , Ph.D., D.P.H Ed. Lectr.
Miller, T. K , B Sc Lectr

Cancer Research

Thurgar, C J L , M B , B.S. Lond. F.R C S.
Farmer, F. T , Ph D , F Inst P.
England, T. S , B Sc , F.Inst.P.

Child Health

Spence, Sir James, M C., D.Sc. W.A., M.D , B.S , F.R C.P.
Nuffield Prof.
Court, S D. M., M.D., Ch.B. Birm., D.C.H Reader.
Neligan, G. A., B M., B Ch. Oxon.
Asst.

Lecturers

Davison, G., M.D., B.S., D.C.H.
Miller, F. J. W., M.D., B.S., D.C.H.

Clinical Teachers

Davison, G., M.D., B.S., D.C.H.
Wright, Elsie B., M.D., B.S. Lond.
Miller, F. J. W., M.D., B.S., D.C.H.

Registrars

Stansfeld, J. M., M.A., M.B., Ch.B. Camb.
Heycock, J. B., M.C., D.C.H.
Greaves, J. L., M.B., B.S. Lond.

Dobson, Mary, M.B., B.S.

Dentistry, v. *infra*

Dermatology

Thompson, S., M.D., B S. Lectr.
Bolam, R. M., M A., M.D., B.Ch. Camb. Clin. Teacher.

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
Beck, Isabel F. Social Asst.
Campbell, H., B A. Lond. Statistical Asst.
ffitch, Mrs. M. T. Sociologist.

Laryngology, Otology and Rhinology

McGuckin, F., M.D., B.S., F.R.C S Ed. Lectr.
Black, J. I. M., M.D., M.S., F.R.C.S. Clin. Teacher.
Reid, J. L., B.A., B M., B Ch. Oxon., D.L.O. Clin. Teacher

Registrars

Chaytor, R. G., M.B., B.S.
Dawes, J. D. K., M.B., B.S.

Medical Jurisprudence

Stephenson, G. E., M.C., B.Sc., M.D., B.S. Lectr.

Medicine, Principles and Practice

Nattrass, F. J., M.D., B.S., F.R.C.P. Prof.
Brewis, E. G., M.D., B.S., D.P.H. (Infect. Dis.) Lectr.

Clinical Teachers

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.
Boon, T. H., M.D., B.S.
Dewar, H. A., M.D., B.S.
Miller, H. G., M.D., B.S., D.P.M.
Thompson, R. B., M.D , B.S. Research Fellow.

Midwifery and Gynæcology

Murray, E. F., M.D., Ch.B. St. And., F.R.C.S., F.R.C.O.G. Prof.
Evers, H. H., M.B., M.S., F.R.C.S., F.R.C.O.G. Lectr.
Russell, J. K., M.B., Ch.B. Aberd. First Asst.
Doberman, H., M.B., B.S. First Asst.
Nicolson, E. L., M.B., Ch.B. Glas. Asst.
Arthur, H. R., M.B., B.S. Lond., F.R.C.S.Ed. Asst.

Clinical Teachers

Stabler, F. E., V.D., M.D., B.S., F.R C.S., F.R.C.O.G.
Hunter, W., M.D., B.S.

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.
Ranken, Margaret, M.B., B.S.
Lake, L. H., M.B., B.S., D.O.M.S.

Orthopædics

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. Path.) Reader.

Lecturers

Rannie, I., B.Sc., M.B., Ch.B. Glas. Lectr.
Schade, R. O. K., M.D. Würzburg Lectr.
Trounson, E. W. N., M.B., Ch.B. Glas.

Hart-Mercer, J., M.B., Ch.B. Edin.
Latner, A. L., M.Sc. Lond., M.D., Ch.B. Liv., D.I.C. (Chem. Path.)
Evers, H. H. (v. Midw.), (Gynæc. Path.)

Demonstrators

Hunter, K. D., M.B., B.S.
Bird, T., M.B., B.S.
Cameron, A. H., M.B., B.S.
Jack, W., M.B., B.S.
Jobling, C. D., M.B., B.S.
Storring, F K, M.D Kiel.
Anderson, G. S., M.B., B.S. (Trainee).
Sibley, J. C. A., M.D. (Trainee).

Pharmacology

Foggan, D. Lectr.

Photography

Duncan, C. J., B.A. Camb. Dir.
Ridley, R. W. Asst.

Physiology

Harper, A. A., M.A., M.D., Ch.B. Aberd. Prof.
Forster, Margaret G., M.A., B Sc. Aberd. Lectr.
Pickles, V. R., M.A., M.B., B.Chir. Camb., D.C.H. Lectr.
Wynne, N. A., M.B., B.S. Lectr.
Rodger, F. C., M.B., Ch.B. Glas., D.O.M.S. Lectr.
Falconer, Jacqueline S., B.Sc. St. And., Ph.D. Lond. (Biochem.) Lectr.
Saunders, J. A., M.Sc., Ph.D. (Biochem.) Lectr.
Slack, E. B., M.A., Ph.D. Camb. (Biochem.) Lectr.
Jenkins, G. N., M.Sc. Liv., Ph.D. Camb. (Histology)
Nuffield Lectr. to Dental Students.
Wright, D. E., B.Sc. Lond. Lectr.
Catton, W. T., M.Sc. Sheff. Lectr.
Schofield, B., M.A., M.B., B.Chir. Camb. Lectr.
Armstrong, Phyllis A., M.B., B.S. Demr.

Psychological Medicine

Kennedy, A., M.D., B S. Lond., D.P.M. Prof.
Orton, R., M.D., Ch.B. Leeds, D.P.M. Lectr.
Garside, R. F., B.Sc. Lond. Lectr.
Miller, H. G., M.D., B S., D.P.M. Lectr.
Bamford, C. B., M.D , Ch.B. Liv., D.P.M. Clin. Teacher.
Cuthbert, T. M., D.P.M. Clin Teacher.
Murray, J. R , M.D., B.S. Lond., D.P.M. Clin. Teacher.
Brown, Marjorie, A., M.A. Edin. Lectr and Sr Psych. Soc. Worker.
Breese, H. H. Soc. Worker.
Osselton, J. W., B.Sc. Research Asst.

Public Health

Walton, W. S., G.M., M.D., B.S. B Hy., D.P.H. Lectr.

Radiology

Davidson, S. W., M.D B.S., F.R.C P., F.F.R. Lectr.
Ramage, D., M.D., Ch B. Manc., D.M.R.E Liv. Clin. Teacher.
Houston, B. D., M.B., B.S., D.M.R.E. Clin. Teacher.

Surgery

Bentley, F. H., O.B.E., B Sc., M.D., Ch.B. Manc., F.R.C.S. Prof.
Hodgson, N., M.B., M.S., F.R.C.S. Eng. and Ed. Sr. Lectr.
Key, J. A., M.B., Ch.B. Ed., F.R.C.S. First Asst.
Brockis, J. G., M.B., Ch.B. Leeds, F.R.C.S. Second Asst.
Walder, D. N., M.D., Ch.B. Brist. Research Asst.
Rogers, J. E. Deptl. Asst.

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. Vict., M B., B Chir. Camb., F.R.C.S. (Plastic S.) Lectr.
Watts, W. P T, A F.C, M.B, M.S., F R.C S.Ed. Lectr

Clinical Teachers

Hodgson, N. (v. Sr. Lectr. *supra*).
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.
Watts, W. P. T, A F C., M.B, M.S., F.R C S.Ed.
Feggetter, G. Y., M B, M.S., F.R.C.S.
Rose, J. D., M.B., B.S., F R.C.S.
Jones, J. D. T., M.B., M.S, F.R C.S.
Hindmarsh, F. D., M.B., M.S., F.R.C.S.

Venereal Diseases

Macfarlane, W. V., M.D, Ch.B, D.P.H. Edin. Lectr.

Clinical Teachers

Bolam, R. M. (v. Dermatol.).
Brumwell, Mrs. Nora E., M.B., B.S., B.Hy., D.P.H.
Kirkhouse, E S., T.D., M.D, B.S.
Pick, R., M.D. Vienna.
Woolley, J. B., M.B., Ch.B. Aberd
Morton, R. S., M B.E.

Dentistry

Bradlaw, R. V., C.B.E., D.D.Sc. Melb., M.D.S., F.R.C.S., F.D.S.
Dean and Director of Dental Studies.
Boyes, J., F.R.C.S., F.D.S.R.C.S. Sub-Dean.

Children's Dentistry

Hallett, G. E. M., F.D.S., H.D.D. Reader.

D. Anæsthetics

Pask, E A, O B.E, M A, M D., Ch.B. Camb., D.A. Reader.

D Electrotherapeutics

Chalmers, J., F D S. Lectr

D Jurisprudence and Practice Management

Bradlaw, R V (v Oral Pathol.) Lectr.

D. Materia Med. and Therap.

Hopper, F. E., B.D.S, F.D.S. Lectr.

D. Mechanics and Prosthetics

Tregarthen, G G T., M D S, F D.S. Reader

D. Metallurgy

Long, J. J., L.D.S. Glas.

Medical Jurisprudence

Stephenson, G. E., M.C, B.Sc., M.D., B.S. Lectr.

Operative D. Surgery

Lovel, R. W., D.D.S. Northwestern, F.D.S., H.D.D. Prof.
Allan, D. N., D D S. N-W, B D S Lectr.
Curry, Vera L., B.D.S. Lectr.

Oral Anatomy

Tonge, C. H. (v. Anat.) Lectr.
Perrott, J. W. Lectr.

Oral Medicine

Boyes, J., F.R.C.S., F.D.S. Nuffield Prof.

Oral Pathology

Bradlaw, R. V., C.B.E., D.D.Sc. Melb., M.D.S., F R.C.S., F.D.S. Prof.
Simpson, H. E., B.D.S. Lectr.

Oral Physiology

Jenkins, G. N. (v. Physiol.) Nuffield Lectr.

Armstrong, Phyllis A., M.B., B.S. Demr.

Oral Surgery, Minor

Smith, H. A., L.D.S. Lectr.

Orthodontics

Hallett, G. E. M. (v. Children's Dentistry) Lectr.

Periodontal Diseases

Hopper, F. E, B.D.S., F.D.S Lectr.

Public Dentistry

Robinson, A. E., F.D.S. Lectr

Radiology

Haswell, S. V., L.D.S. Edin. Lectr.

Throat, Nose and Ear, Diseases of

McGuckin, F., M.D., B.S., F.R.C.S. Ed. Lectr.

Venereal Diseases

MacFarlane, W. V. (v Ven. Dis., *supra*) Lectr.

Clinical Teachers in Newcastle upon Tyne Dental Hospital

H. Davis, F.D.S.; S. V. Haswell, L D.S Edin.; 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, F.D.S.; H. A. Smith, L.D.S.

Earl Grey Memorial Lecturer

1949—Prof W E. Le Gros Clark, F.R.S.

William Henry Charlton Lecturer

1949—Prof. Anthony F. Blunt, C.V O.

Riddell Memorial Lecturer

1949—Sir W H Moberly, K.C.B., D S O., M.A , D.Litt.

University Extension

Director 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 , N Dees, B A Manc.; F. J. E. Hurst, M.A Oxon , G. Jobey, D S O , M.A , D. W. Turberville, B.A. Wales, W. M. Williams, B.A. Oxon.

ADMINISTRATIVE STAFF

Asst. Registrars: G. A. Chadwick, B.Sc. Liv. (Dental School); W. A. Husband, B Com.; N. Shott (Medical School); H. J. M. Scott, M.B.E., B.Com. Asst. Bursar: L. Scrivener. Supervisor of Lodgings and Adviser to Overseas Students: J. Dickinson, M.A. Oxon., M.Eng. Sheff.

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.

Library, 185,407 vols., 60,740 pamphlets (including the Medical libraries). There are also departmental libraries. Special collections: English Bibles from 1535; Heslop, English dictionaries (277 vols.); Kepler, fifteenth- to eighteenth-century printed books, mostly classics (600 vols.); Merz, philosophical, mathematical and general (3940 vols.); Spence Watson, early English

texts (564 vols.); Oriental, with special reference to India (2762 vols. and 2082 pamphlets); Gilchrist, Agricultural (529 vols.); Gertrude Bell, Oriental (1963 vols.).

MUSEUMS. Anat., Path., Dental, Zool., Geol., Mineral., Chem., Mining, Technological specimens.

LABORATORIES with special facilities for research in Engin. and Hydr., Elect. Eng., Naval Arch. and Mining; special branches of Chem., Physics, Geol., Bot. and Agric.; Marine Biol. (Dove Marine Lab., Cullercoats).

The Agric. Dept. manages the Coll. Farm at Nafferton and the Coll. Research Station at Cockle Park; it also has the use of other County and Crown estates for teaching, research and demonstration purposes.

ADMISSION. *See* Appendix I.

DEGREE COURSES, ETC. Complete Courses for degrees in Arts, Archit., Medicine, Surgery, Hygiene, Dental Surgery, Science, App. Science, Law, Commerce, Soc. Studies, Town and Country Planning, Fine Art, Agriculture; for Univ. Diplomas in Pub. Health, Biblical Studies, Anthropol., Art Teaching, Archit., Town Planning, Commerce, Pub. Admin.; for the Univ. Licence in Dental Surgery, the Univ. Certificate in Soc. Studies, the Univ. Inst. of Education's Certificate and also for Coll. Certificates in Fine Art, Archit. and Town Planning.

Instruction in Clinical Medicine and Surgery is given in the Royal Victoria Infirmary (700 beds) and other hospitals; in Practical Midwifery and Clin. Gynæcol. at the Princess Mary Maternity Hospital; in Clin. Dental Surgery in the Newcastle upon Tyne Dental Hospital. The Pathol. Museum provides an exceptional collection of specimens prepared by modern methods Post-graduate medical and dental teaching is supervised by committees representing the Coll. and assoc. hospitals. Research facilities are available in the various depts.

The Appl. Sci. courses are in Eng. (Mech., Marine, Civil or Elect.), Naval Archit., Mining, Metall., Agric. Engin. and Chem. Eng.

The course for the Inst. of Educn. Certificate is available for grads. who intend to teach either in Primary or Secondary Schools.

Under the Tutorial System, each student in faculties other than medicine 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 Medicine and the Dean of the Dental School perform similar duties in the Medical and Dental Schools, respectively.

UNIVERSITY DIPLOMAS. Education (1 yr. after graduation); Principles of the Teaching of Art (1 yr. after Fine Art Degree or other approved qualification); Anthropol. (usually 2 yrs. after graduation); Archit. (5 yrs.); Town Planning (1 yr. after Certificate); Commerce (2 yrs.); Pub. Admin. (2 yrs.); Pub. Health (1 yr.); Biblical Studies (full-time, 1 yr.; part-time, 2 yrs.).

UNIVERSITY CERTIFICATE. Social Studies (2 yrs.).

COLLEGE CERTIFICATES. Fine Art (2 yrs.); Archit. (5 yrs.); Town Planning (2 yrs.).

For admission to study for the Univ. Diplomas in Commerce, Pub. Admin., for the Univ. Cert. in Social Studies, or for the Coll. Certificate in Fine Art, no regular entrance examn. is required.

FEES: **Faculties other than Medicine:**

Registration (Degree students and some others), £2 p.a.; Students' Societies and University Union, £4 p.a. Tuition for degree courses: B.A., B.Com.,

or LL.B. (3 yrs.), £30 p.a.; B.Sc. in Pure Sci. or Agric. (3 yrs.), £35 p.a.; B.Sc. in Eng., Naval Archit., Mining, or Metall. (3 yrs.), £40 p.a.; B.Arch. (5 yrs.), 1st, 2nd and 3rd yrs., £30 p.a., 4th and 5th yrs., £22 : 10s. p.a. Post-graduate study and research, £12 or £18 p.a., according to course taken. Tuition for diploma courses: Educn. (1 yr. postgraduate), £35; Principles of the Teaching of Art (1 yr. after Fine Art Degree or other approved qualification), £35; Archit. (5 yrs.), 1st, 2nd and 3rd yrs., £25 p.a., 4th and 5th yrs., £20 p.a.; Town Planning (1 yr. after Certificate), £16; Commerce (2 yrs.), students pay by the class; Pub. Admin. (2 yrs.), £10; Biblical Studies, £30 (full-time; part-time students pay by the class or £10 p.a.); Anthropol., £30. Tuition for certificate courses: Fine Art (2 yrs.), £22 p.a.; Archit. (5 yrs.), £10 p.a.; Town Planning (2 yrs.), £4 or £6 p.a.; Soc. Studies (2 yrs.), £30 p.a.

For fees for matriculation, examns. and degrees, *see* Univ. section, *supra*.

FEES: Fac. of Medicine:

Systematic, prac. and clin. instruction: Medicine, first and second yrs. £35 p.a., remaining yrs. £40 p.a.; Dental Surgery, first, second and third yrs. £35 p.a., remaining yrs. £40 p.a. Incidental fees varying from £5 : 11s. to £10 p.a. are also payable.

For fees for matriculation, examns. and degrees, *see* Univ. section, *supra*.

SCHOLARSHIPS. Entrance: Open, £60-£95 p.a., restricted in some cases to particular Faculties. Various scholarships and prizes are awarded during degree and diploma courses.

FELLOWSHIPS, ETC. (Postgraduate). £400 for 1 yr. (Earl Grey Memorial), open to graduates in any Faculty; £180 every 3rd yr. (Rutherford Morison), for Surgery; £150 for 1 yr. renewable (Parker Brewis Dental Research Scholarship); each £200-£300 for a yr. (Sir W. H. Stephenson Studentship), open to a grad. in the Faculty of Arts, (William Black Noble Memorial Studentship), open to a grad. in the Facs. of Com., Arts or Sci., (Pemberton Studentship) and (Charles Norton Levin Studentship), open to a grad. in Sci., (Hugh Wood Scholarship), open to a grad. in Mining; Coll. Postgraduate Studentships £200 (6) p.a., open to grads. of any Fac; £350 p.a. (British Coke Research Assoc.), open to spec. qualified candidates; £200 p.a. for 2 yrs. (David Brown) and £180 p.a. for 2 yrs. (Ford Coy.), open to grads. in Eng.; £200 p.a. for 2 yrs. (Harry Ferguson), open to grads. in Agric. or Mech. Eng.; £150 p.a. for 2 yrs. (Sir Wm. White Research Schol.), open to students in Nav. Arch. or Mar. Eng.; £400 p.a. for 2 yrs. (Alum. Devel. Assoc.), open to candidates admitted to I.N.A.; £600 p.a. for 4 yrs. (Roy. Comm. for 1851 Exhibn.), open to British subjects under 30; £500 p.a. for 2 yrs. (Inst. Naval Arch. Schol.), open to British subjects under 30; £250 p.a. for 2 yrs. (N.E.C.I. of Engs. and Shipbuilders), open to grads. in Naval Arch. or Eng.; £250-£300 for 1 or 2 yrs. (Shell Scholp.), open to undergrads. in Mar. Eng. or Naval Arch.; £500 p.a. for 2 or 3 yrs. (Froude Research Scholp.), open to British Naval Archs. under 30; £200 every 2 yrs. (Heath Schol.) for Surgery, open to grads. and practitioners; £400-£800 p.a. Fellowships and £200 p.a. Schols. (Nuffield Foundation) for Dental Surgery, open to approved applicants; £75 for 1 yr. (Philip Buckle Memorial Schol.), open to grads. of the Dept. of Agric. (including Agric. Zool.); £50 for 1 yr. (Luke Armstrong) for Compar. Pathol.; £50 for 1 yr. (Hamilton Drummond) for Clin. Surg.; £15 for 1 yr. (Macpherson Prize), open to grads. in Med. The Johnston Chemical Studentship (£200) and Prize (£10) are open to grads. in science of any British Univ. of not more than 3 yrs.' standing from graduation.

RESEARCH FUNDS. An endowment of £15,000, established in 1923, is administered by a Standing Committee, which allocates the interest of the fund

as grants-in-aid of specific investigations by trained workers rather than for training persons in research. There are also available at the Medical and Dental Schools several funds for medical, surgical and dental research—Stephen Scott, Heath, William Dodds, J. W. Luccock.

RESIDENCE. Henderson Hall (Warden: Vernon Brown, O.B.E., T.D., M.Sc.) for 79 men, fees £90 p.a.; Easton Hall (Warden: Alfreda M. Truesdale, B.Sc., Dip.Ed.) particularly for women in training under Ministry of Education's regulations for the Training of Teachers, fees £80 p.a.; Ethel Williams Hall, to accommodate 100 women, will open shortly.

UNIVERSITY EXTENSION. Public lectures in the Coll. include the annual Earl Grey Memorial, Holmes Memorial (young people only) and W. H. Charlton lectures, occasional lectures and short courses, lectures in French (Alliance Française), and popular evening lectures. Short courses in various centres in Agric. and Forestry. Tutorial classes in various centres (most of the tutors are regular members of coll. staff).

PUBLICATIONS. Rector's *Report*; King's Coll. *Handbook*; King's Coll. Dept. of Agric. (Farm Economics Branch), *Reports*; King's Coll. Educn. Soc. *Papers*; King's Coll. *Mining Bulletin*; King's Coll. *Mining Soc. Journal*; King's Coll. Geographical Soc. *Journal*; Univ. of Durham Philosophical Soc. *Proceedings*; *Planning Outlook* (Dept. of Town and Country Planning); *The Northerner* (Students); *Durham Univ. Medical Gazette*; *King's Courier* (Students' newspaper); King's Coll. S.R.C. *Students' Handbook*; Earl Grey Memorial Lectures; William Henry Charlton Memorial Lectures.

THE YEAR 1948–49

NEW BUILDINGS. Work commenced on the new Engineering Block some 300 yards N. of the main Coll. bldgs., and continued steadily on the new Chem. labs. and the new Hall of Residence for Women. New Res. Labs. were opened in the School of Mines. A Cavitation Tunnel was constructed. The Library was extended. The Quadrangle was replanned, laid with lawn and terraced, to form the Coll. War Memorial.

NEW DEPARTMENT, POSTS. An independent Dept. of Anthropol. was established. Lectureships in Anat. (2), Path. (4), Fine Art, Maths. (2), Philos., Anthropol., Naval Arch., Oper. Dent. Surgery, Extra-mural (2).

EXTRA-MURAL WORK. Tutorial classes, 49, students, 795; Univ. Sessional classes, 31, students, 427; Short Univ. Sessional classes, 13, students, 244; Univ. Extension Lecture classes, 16, students, 905; other short courses, 19, students, 727; totalling 128 classes and 3098 students.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. P. J. Enk from Gröningen—"Seneca's Tragedies." Prof. P. H. Kuenen from Gröningen—Geology.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. The Rector, Lord Eustace Percy, attended the opening of the Univ. of Natal. Prof. J. C. Spence to Harvard—Cutter Lectures; Prof. R. V. Bradlaw to U.S. and Canada—to report on dental education overseas.

RESIGNATIONS. L. C. Beadle (Zool.), on appt. to Chair of Zool., Makerere Coll., Uganda; Dr. I. F. S. Mackay (Pharm. and Exp. Physiol.), on appt. to Chair of Physiol., Univ. Coll. of W. Indies; Dr. W. Stephenson (Zool.), on appt. to Chair of Zool., Univ. of W. Aust.; H. D. Westlake (Greek), on appt. to Chair of Greek, Univ. of Manc.

DEATH. Dr. A. A. Hall, former Lectr. in Agric. and Warden of Henderson Hall.

STUDENTS. Total: 3582; full-time: 3210; pt.-time: 372; the total includes 662 women and 130 postgraduates.

DEGREES. *Arts*: B.A., 168; M.A., 21; M.Ed., 2; M.Litt., 2; Ph.D., 1; B.Arch., 11. *Law*: LL.B., 18; LL.M., 1. *Commerce*: B.Com., 41; M.Com., 1. *Pure Science*: B.Sc., 133; M.Sc., 3; Ph.D., 12. *Applied Science*: B Sc., 131; M.Sc., 5; Ph.D., 3. *Agriculture*: B.Sc., 61; M Sc., 6; Ph.D., 1. *Med., including Dent. Surgery*: M.B., B S., 93; M.D., 8; M.S., 1; B D.S, 18; M.D.S., 1.

DIPLOMAS Educn., 82; Archit., 24; Town Planning, 4; Pub. Admin., 10; Agric., 1; Commerce, 2.

LICENCES Dent. Surgery, 15.

CERTIFICATES. Social Studies, 3; Archit., 2; Town Planning, 5.

UNIVERSITY OF DURHAM, INSTITUTE OF EDUCATION

29 Old Elvet, Durham.

Telephone: Durham 1466.

10 Leazes Terrace, Newcastle upon Tyne, 1.

Telephone: Newcastle 28604.

DIRECTOR—B. STANLEY, M.A. Oxon.

STAFF TUTORS—Atkinson, Mary B.; Reeve, Lucy D.; Morris, R., M.A.; Thyne, J. M., M.A., Ed B.; Bramwell, R. D., M.A.; Worvill, Winifred.

EDITOR-LIBRARIAN—Nolan, G. E. S., M.A.

ADMINISTRATIVE ASSTS.—Elsie Wightman (Secretary for Examinations); B. G. Foord

TRAINING COLLEGES

BEDE COLLEGE, DURHAM. Principal—Rev. G. E. Brigstocke, M.A. Oxon.

DARLINGTON TRAINING COLLEGE. Principal—Olive M. Stanton, M.A.

DOMESTIC SCIENCE COLLEGE, NEWCASTLE UPON TYNE. Principal—Irene Rowland, M.A., B.Sc.

KENTON LODGE TRAINING COLLEGE, NEWCASTLE UPON TYNE. Principal —Elizabeth Scott, M.A.

NEVILLE'S CROSS COLLEGE, DURHAM. Principal—Netty M. Lunan, M.A.

ST. HILD'S COLLEGE, DURHAM. Principal—Angel L. Lawrence, M.B.E., M.A., LL.B. Camb.

ST. MARY'S COLLEGE, FENHAM, NEWCASTLE UPON TYNE. Principal— Madam A. M. Ward, M.A.

SUNDERLAND TRAINING COLLEGE. Principal—Alice H. Williamson, M.A.

ALNWICK TRAINING COLLEGE. Principal—Isobel E. Edwards, M.A. Wales, B.Litt. Oxon.

UNIVERSITY OF LEEDS

Founded 1904

VISITOR—H.M. THE KING.

CHANCELLOR—.....

PRO-CHANCELLOR—SIR HUBERT S. HOULDSWORTH, K.C., D.Sc.

VICE-CHANCELLOR—CHARLES R. MORRIS, M.A. Oxon.

PRO-VICE-CHANCELLOR—Prof. R. WHIDDINGTON, C.B E., M.A. Camb., D.Sc. Lond., F.R S.

TREASURER—Hon. R. E. BECKETT, LL D.

REGISTRAR—J. V. LOACH, B.Sc , Ph.D. Birm., F.R I C.

BURSAR—E. J. BROWN, B.Com. Lond.

LIBRARIAN—B. S. PAGE, M.A. Birm.

Telephone : Registrar—Leeds 31751.

TEACHING STAFF

Agriculture, v. *infra*

Anatomy

Durward, A., M.D. N.Z. Prof.
Boyd, G. I., M.D Edin., F.R C.S. Sr Lectr.
Scothorne, R. J , B Sc., M B., Ch.B. Lectr.
Walls, W. K. J., M.B., Ch.B. Lectr.
Hulman, S. Z., M.B., Ch.B. Demr.
Riley, J. D., M.B., Ch.B. Demr.
Smith, D. S., M.B., Ch.B. Demr.
Wilson, G., M.B., Ch.B. Demr.

Hon. Demrs.

Gillies, J. C., M.B., Ch B., F.R.C.S. Ed.
Harrison, G., M.B., Ch.B., F.R.C.S.
Pickard, C., B.Sc., M.B., Ch.B. (Rad. Anat.)

Biochemistry

Happold, F. C., Ph.D., D.Sc. Manc. Prof.
Chattaway, F. W., Ph.D., M.Sc. Lond Lectr.
Kilby, B A , M.A , Ph.D. Camb., F.R.I.C. Lectr.
Dawson, J., M.Sc., M.B., Ch B Lectr
Dagley, S., M.A , B.Sc. Oxon., M.Sc. Lond. (Phys. Chem.) Lectr.
Dawes, E. A., B Sc., Ph D Lectr.
Rogers, H. J., B.Sc., Ph.D. Lond. Hon. Lectr.
Dolby, Mrs. Doris E., B.Sc. St. And. Temp. Lectr.
Holdsworth, E. S. Asst. Lectr.
Morrison, G. A., M.A., D.Phil. Oxon. I.C.I. Res. Fellow.
Hullin, R. P., M.Sc., Ph.D. Wales I.C.I. Res. Fellow.
Bowen, T. J., M.A., B.Sc. Oxon. Biochem. Res. Fellow and Med.
Gardiner, J. E., B.A. Camb. (R.).
Hartley, B. S., B.A. Camb. (R.).
Spencer, C. P. (R.).

(R) = Research Asst.

Biomolecular Structure

Astbury, W. T., M.A , Sc.D. Camb , D.Sc. Strasburg, F.Inst.P., F.R.S. Prof
MacArthur, J., M.A., B.Sc., Ph.D. Glas. Res. Fellow.
Rudall, K. M., M.Sc. N.Z., D.Sc., Ph.D. Res. Fellow.
Reed, R., B.Sc. Manc., Ph.D. Res. Fellow.
Darmon, S. E., M.A., Ph.D. Camb. Res. Fellow.

Research Assistants

Beighton, E., B.Sc.
Lorand, L., M.B Budapest
Middlebrook, W. R., F.R.I.C.
Eaves, G., B.Sc. Manc. (Elect. Microscope).

Botany

Manton, Irene, B.A , Sc.D., Ph D. Camb. Prof.
Preston, R. D., D Sc., Ph.D. (Plant Biophysics) Reader.
Brown, R., Ph D., D Sc Lond. (Plant Physiol.) Reader.
Scott, Lorna I., M.Sc. Lond , F.L S. Sr. Lectr
Sledge, W. A , B Sc., Ph D. Lectr
Baker, H. G , B.Sc., Ph.D Lond. Lectr.
Merton, L. F. H., B A. Camb. Asst. Lectr.
Flint, Elizabeth A , M Sc N.Z , Ph D Lond. Temp. Asst. Lectr.
Grist, Mrs. Rita, B.Sc. Lond. Hon. Demr.
O'Nians, Eleanor A., B.Sc. Hort., B.Sc. Lond. Demr.
Wesley, A., B.Sc. Lond. Demr.
Robinson, Mrs. Edith, B.Sc. Durh. (R.)
Nicolai, Marie F. E., D.Phil. Leiden (R.).
Greenwood, A. D., B.Sc. Manc. (R.).
Spark, L. C , B.Sc , Ph.D. (R.).
Merrell, Mrs. Margaret, B.Sc., Ph.D. (Pt.-time) (R.).

Chemistry, Inorganic and Physical, v. also Technology—Colour Chemistry

Cox, E. G., D.Sc. Bristol, F.Inst.P. Prof.
Dainton, F. S., Ph.D. Camb. Prof.
..... (Colloid C.) Reader.
Hartshorne, N. H., M.C., M Sc. Birm., Ph.D. Lond. (Chem. Micros) Reader.
Hume, J , B.Sc Edin Sr. Lectr. and Superintendent of Labs.
Smith, G. F., Ph.D. Wales and Camb. Sr. Lectr.
Bradley, R. S., M.A. Camb , F.R.I.C. Sr. Lectr.
Clark, C. H. D., D Sc. Lond , D.I.C Sr. Lectr
Garrick, F. J., M.A. Oxon. Sr. Lectr.
Belton, J. W., D Sc., Ph.D. Liv. Lectr.
Jeffrey, G. A., B.Sc , Ph.D. Birm. Lectr.
Caldin, E. F., M.A., D.Phil. Oxon. Lectr.
Bunn, D., B.Sc., Ph.D. Lectr.
Pringle, G. E., M A., Ph D. Camb Lectr.
Truter, Mrs. E. V., B.Sc. Lond. Lectr.
Walsh, A. D., M.A., Ph.D. Camb. Lectr.
Carson, A. S., M.Sc. Belf. Lectr.
..... Brotherton Res. Lectr.
Chamberlain, G. H. N., B.Sc. Lond., Ph.D. Camb. Asst. Lectr.
Beard, D. S., B.Sc. Lond. I.C.I. Res. Fellow.

(R.) = Research Asst.

Kakabadse, G. J., Dr.Ing. (Chem). Berlin Temp. Asst. Lectr.
Irving, R. J , M Sc. Adel. Temp. Asst. Lectr.
Tranter, T. C., B.Sc., Ph D. Brist. Hon Res. Asst.
Whitaker, H., M.Sc. (R).
Mann, D. C. M., B.Sc Brotherton Res. Asst.
Horsfield, A. E., B.A. Camb. (R.)
Peace, A. G., B Sc Manc. (R.)
Powis, A., B.Sc (R.)
Warwicker, J. O., Ph.D. Lond. (R.).
Casado, F. L., Dr. en Lic. Madrid (R.).
Stein, M., B Sc., Ph.D. Tech and Res. Asst

Chemistry, Organic

Challenger, F., D.Sc. Birm., B.Sc. Lond., Ph D. Göttingen, F R I.C. Prof
Baker, J W , D Sc., Ph D. Lond , F.R.I.C. (Mech. of Org. Reactions) Reader.
Wightman, W. A , M.A. Oxon , F.R.I.C. Sr. Lectr
Goss, F. R , D.Sc , Ph D. Lond , F.R.I.C. Sr. Lectr
Rothstein, E., D.Sc., Ph.D. Lond. Sr. Lectr.
Briscoe, P. A., B.Sc. Brist. Lectr.
Bowden, K., B.Sc., Ph.D. Lond , D.I C., F R.I C Lectr.
Whitaker, Mrs. Margaret I., B.Sc., Ph.D. Lectr
Clark, E. R., B.Pharm. Wales, Ph.D. Lond. Lectr.
Birtwell, S. I.C.I. Res. Fellow.
Reith, W. S. I.C.I. Res. Fellow

Classics : Greek

..... Prof.
Parry, Olwen A., B.A. Leeds and Camb. Lectr.

Classics : Latin

Wood, E. J., M.A. Aberd. and Camb. Prof.
Bibby, E. E., M.A Leeds and Camb. Sr. Lectr.
Binyon, D. E. F., M A. Oxon. Sr. Lectr.
Wade, W. V., M.A., Sheff., B.A. Lond., F.S A Lectr. Romano - Brit. Archæol.
Newell, A. N., M A. Camb. Lectr.
Huxley, H. H., M A. Camb. Lectr.
Martin, R. H., M.A Camb., B.A. Lectr.

Commerce, v. Economics

Dentistry, v. *infra*

Economics

Brown, A J , M A , D Phil Oxon. Prof.
Richardson, J. H., M.A. Camb., Ph.D. Lond. (Indust. Relns.) Montague Burton Prof.
Shackle, G. L. S., B.A., Ph.D. Lond., D.Phil. Oxon. (Econ. Theory) Reader.
..... (Acctcy.) Lectr
Beresford, M. W., M.A. Camb. Lectr.
Hare, A. E. C., M.A. Camb , Ph D Lond. Lectr.
Bellamy, R., M.A. Oxon. Lectr.
Hillman, H. C., M.A. St. And. Lectr.
Johnson, L. G., B A. Sheff. Lectr.
Johnson, A., B Sc. Lond. Econ. and Extra-mural Lectr.
Sargan, J. D., M.A. Camb. (Econ. Statis.) Lectr.
Speight, H., B.A. Lectr.
Newlyn, W. T., B.Sc.(Econ.)Lond. Lectr.
Rainnie, G. F., M.A. Aberd. Asst. Lectr.

(R.) = Research Asst.

Ergas, I. H. E., B.Com (R)
Kubinski, Z , B A (R)
Alexander, K. J W., B.Sc.(Econ.) Lond. (R).
Thomas, Mrs. Joan, B.Sc.(Econ.) Lond. (Pt -time) (R).

Education

Armfelt, R. N., M.A. Camb. Prof.
Boultwood, Myrtle E A , B.A. Lond Sr Lectr.
Curtis, S. J , T D., M A , Ph D Lond. Sr. Lectr.
Bosworth, Eugenie M., M.A. Oxon. Lectr.
Burns, D G., M A Birm , B A. Lond. Lectr
Martin, Audrey J. Lectr.
Ottaway, A. K. C , M.A., B.Sc. Lond. Lectr.
Wallbank, S. Annie, B.Sc. Lond. Lectr.
Howie, G., M.A., Ed B Aberd. Lectr.
Laing, A., M.A., Ed.B. Aberd. Lectr.
Whitehead, Mrs. Ann, M A. Manc. Speech Therapist.
Neal, L F., B.A. Lond. Lectr.
Phillips, D. Jean, B.Sc. Lond. Lectr.

Engineering, v. Technology

English Language and Mediæval English Literature

Orton, Harold, B.Litt., M.A. Oxon. Prof
Doyle-Davidson, W. A. G., B.A. Lond. Lectr.
Cawley, A. C., M.A. Lond. Lectr.
Taylor, A. R., M.A. Manc. Lectr.
Turville-Petre, E. O. G., B.A., B.Litt. Oxon. (Mod. Icelandic) Hon. Lectr.
Wright, P., B.A. Res. Asst.

English Lit

Dobrée, Bonamy, O.B.E., M.A. Camb., D. de Dijon Prof.
Knight, G. Wilson, M.A. Oxon. Reader.
Childe, W. R., M.A. Oxon. Sr. Lectr.
Muir, K., B.A. Oxon. Sr. Lectr.
Jefferson, D. W., B.Litt. Oxon., B.A. Lectr.
Kettle, A. C., M.A., Ph.D. Camb. Lectr
Fisch, H., B.A. Sheff., B.Litt. Oxon. Lectr.
Creedy, A. J., B.A. Lond. and Camb. Asst. Lectr.

Fine Art

de Sausmarez, M. (Hist. and Criticism of Art) Lectr.

French Lang. and Lit.

Clapton, G. T., M.A. Sheff. Prof. and Hd. of Dept.
Arnold, I. D. O., M.A. Wales, D. de l'U. Strasbourg Prof. of Medieval Fr. Lang. and Lit
Inebnit, J. P., L. ès L. Neuchâtel Sr. Lectr.
Benn, T. V., B.A., Ph.D. Lectr.
Hainsworth, G., M.A., D. de l'U. Paris Lectr.
Crews, Mrs. Cynthia M., M.A. Camb., Ph.D. Lond. Lectr. French Phonet.
Cameron, Kathleen, M.A. Oxon. Asst. Lectr.
Bacon, Simone Asst.
Larrue, Suzanne Asst.
Halliday, Mrs. Winifred J., B.A. Pt.-time Asst.
Collins, Mrs. Jean W., M.A. Liv., D. de l'Univ. Paris Pt.-time Asst.

Geography

Williamson, A. V., M.A. Liv. Prof.
Clark, K. G. T., B.A. Sr. Lectr.
Fowler, F. J., B.A., Ph.D. Lectr.
Priestley, Ann, M.A. Camb. Lectr.

(R.) = Research Asst.

Kirk, M., M.A. Asst. Lectr.
Jones, G. R. J., M.A. Wales Asst. Lectr.
Othen, Olive I., B.A. Durh. Asst. Lectr.

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. Lectr.
Rayner, Dorothy H., B.A., Ph.D. Camb. Lectr.
Turner, J. S., M.Sc. Lond., F.G.S. (Palæon.) Lectr
Knorring, O. von, M.Sc. Helsinki (Mineral. and Geochem.) Lectr
Hartley, J., B.Sc. Lectr.
Kerr, Mrs. Margaret H., B.Sc Glas. (R) and Demr
Lund, L., Mag.Sci. Oslo Turner and Newall Res. Fellow.

German Lang. and Lit.

Gillies, A., M.A. Sheff., Dr.Phil. Göttingen Prof.
Caldwell, M. Constance, B.A. Sr. Lectr.
Wilkie, J. R., M.A. Aberd., B.A. Camb. Lectr.
Frowein, Mrs. Irene, B.A. Lond. Lectr.
Thomas, L. H. C., M.A. Oxon. Lectr.

Hebrew

Bowman, Rev. J., M.A., B.D. Glas., D.Phil. Oxon. and Head of Dept. Lectr.

.....

Montague Burton Lectr. in Med. and Mod. Hebrew.
Loewe, R., M.C., M.A. Oxon. and Camb. Lectr.
Dagut, M. B., M.A. Oxon. Asst. Lectr.
Talmon, S., M.A. Jerusalem Lector.

Histology, v. Anatomy

History

Chapman, G. P., O.B.E., M.C., M.A. Oxon., B.Sc. Lond. (Mod. H.) Head of Dept., Prof.
Le Patourel, J., M.A., D.Phil. Oxon. (Med. H.) Prof.
Dainton, A. H., M.A. Oxon. Sr. Lectr.
Richardson, G. W., M.A. Lond. (Anc. H.) Sr. Lectr.
Collyer, C., M.A. Oxon. Lectr.
Jones, P. J., B.A. Oxon. (Med H.) Lectr.
Cox, J. W., B.A. Asst. Lectr.
Woolrych, A. H., B.A. Oxon. Asst. Lectr.

History of Science

Gregory, J. C., B.Sc. Lond., F.R.I.C. Hon. Lectr.

Italian Lang. and Lit.

May, F., B.A. Lond. Head of Dept., Lectr.
Griffith, T. G., B.A. Oxon. Lectr.

Law

Hughes, J. D. I., M.A., B.C.L. Oxon. Prof.
Haggen, G. L., M.A., B.C.L. Oxon. Reader.
Hornsey, G., LL.B. (Comm. Law) Lectr.
Davies, M. R. R., Ph.D. Camb., LL.M. Lectr.

Lectrs. (Pt.-time)

Archibald, M., LL.B.
Bradley, D. W., LL.B.
Price, P. S., B.A. Oxon.
Thackray, H. E., M.A. Camb., B.C.L. Oxon.

(R) = Research Asst.

Mathematics

Ruse, H. S., M.A. Oxon., D.Sc. Edin. (Pure Maths.) Head of Dept., Prof.
Cowling, T. G., M.A., D.Phil. Oxon., F.R.S. (App. Maths.) Prof.
Ursell, H. D., M.A. Camb. (Math. Analysis) Reader.
Welch, B. L., B.A. Oxon, Ph.D. Lond. (Statistics) Reader.
Gilham, C. W., M.A. Camb., B Sc. Lond. Sr. Lectr.
Slater, N. B., M A. Edin and Camb, Ph.D Camb. (App. M) Lectr.
Price, H. L, M A Camb, M Sc., Ph.D. (App. M.) Lectr.
Barrett, W., B.A. Oxon, Doctor of Univ. of Paris Lectr.
Chester, W., M.Sc. Manc. Lectr.
Evans, D. Hywel, A. M., M.A. Oxon., B.Sc. Wales Pt.-time Lectr.
James, G. S, B.A. Camb. (Statistics) Asst. Lectr.
Perrott, I. B., M.A. Oxon. Asst. Lectr.
Kalicki, J., M.A. Warsaw, Ph.D Lond. Asst. Lectr.

Medicine and Surgery, v. *infra*

Metallurgy, v. Technology

Mining, v. Technology

Music

Denny, J. R., M.A., B.Mus. Camb. West Riding Prof. of Music.
Allam, E. W., M.A. Camb., D.Mus. Lond. (Composition) Reader
Mumby, F. S., B.Mus. Durh., B.A. Lectr.
Brown, J. C., M.A., Mus.B. Camb. Asst. Lectr.

Pharmacology

Bain, W. A, B Sc., Ph D Edin. Prof.
Hey, P., M.Sc., Ph.C (Pharmacol. Chem) Lectr.
Dare, J. G., Ph.C. (Pharmacy) Lectr.
Nelson, G. A., F.L.S. (Pharmacognosy) Lectr.
Broadbent, J. L., M.B., Ch.B. Lectr.
Achari, G., M.B, B S. Patna, Ph D Lectr.
Myers, G Norman, M.D., M.Sc. Durh., Ph.D. Camb. (Pharmacol.) Hon. Demr.
Robinson, Margaret, B Sc. (R.).

Philosophy

Harvey, J. W., M.A Oxon. Prof.
Cameron, J. M, B A Oxon. Lectr.
Howard, C. L., M.A. Oxon. Lectr.
Curtis, S J, T D, M A., Ph.D. Lond. Hon. Lectr.
Alexander, P., B A., B.Sc Lond. Asst Lectr.

Phonetics

MacCarthy, P. A. D., M.A. Camb. Lectr. and Head of Dept.
Woodhead, J. L., B.A. Camb. Asst. Lectr.

Physical Education

Morgan, R. E., B.A. Lond. Director.
Karn, Elizabeth, B.Sc. (Econ), Dipl. Phys. Educ. Lond. Lectr.
Adamson, G. T., B.Sc. Lond. Asst.
Hunter, Dorothy A., Dipl. Phys. Educ. Lond. Asst.
Bale, W. A., B.A. Asst.

Physics

Whiddington, R., C.B.E., M.A. Camb., D.Sc. Lond., F.R.S. Cavendish Prof. of Physics and Hd. of Dept.

(R.) = Research Asst.

Stoner, E. C., Sc.D. Camb., F.R.S. (Theoretical Physics) Prof.
Brindley, G. W., M.Sc. Manc., Ph.D. (X-ray Phys.) Reader.
Long, F. A., B.Sc. Lond. Sr. Lectr.
Ewles, J., M.A. Camb Sr. Lectr
McDougall, J., M.A., Ph.D. Camb. Lectr.
Curry, C., B.Sc., Ph.D. Durh. Lectr.
Hoare, F. E., M.Sc , Ph D Lond Lectr
Nicolson, M. M., M.Sc. Manc., Ph.D. Camb. Lectr.
Tebble, R. S., B.Sc. Durh., Ph D. Lectr.
Kellermann, E. W., D.Phil. Vienna, Ph.D. Edin. Lectr
Tunstall, N , B.Sc. Manc. Temp Lectr.
Marsden, P. L., B.Sc. Birm. Asst. Lectr.
Cross, L. E., B Sc. Temp Asst Lectr
Youell, R. F , B Sc. Lond. (R.).
Heap, C N., B Sc. Lond (R).
Rhodes, P , B.Sc., Ph.D. (R.)
Crooke, R. H , B.Sc. (R)

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

Neil, E., M.D.
Allen, W. J., M.D., B.Ch., B A.O. Belf.
Kenney, R. A., B.Sc., Ph.D. Birm.
Newman, P. P., M.B., Ch.B. Liv.
Holgate, J. A., M.B., Ch.B.
Mills, A. R., D.T.M. and H. Demr.
Pyrah, L. N., M.Sc., M.B., Ch.M., F.R.C.S. Hon. Demr.

Psychology

Meredith, G. P , M.Sc., M.Ed Prof.
Joselin, A. G., M.A , B Sc. Lond. (Educ Psych) Lectr.
Morrisby, J. R., M.A. W Aust. (Soc Psych) Lectr

Russian Lang. and Lit.

..... Prof.
Shaftlin, R , Fil. Kand , Fil. Lic. Uppsala Head of Dept., Lectr.
Dressler, A., B.A. Asst. Lectr.
Minskers, Mrs Harriet Temp. Asst

Social Studies

Shimmin, A. N., M.A. Manc. (Soc. Sci.) Prof.
Vaughan, E. A , B.Com. Durh. (Soc. Studies) Lectr.
Hanson, A. H , M.A. Oxon. (Pub. Admin.) Lectr.
Henriques, L. F., M.A., D.Phil. Oxon. (Soc. Anthrop.) Lectr.
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. (Pract. Soc. Work) Tutor.
Greenlees, Allison M. C., B.A. Oxon., D.S.S. Lond. (Pract. Soc. Work) Asst. Tutor
Harrington, Doreen, B A. Oxon. (Pract. Soc. Work) Asst. Tutor.
Moody, Bettine M., B A. Lond. (Pract. Soc. Work) Asst. Tutor.
Merton, Mrs. L. F. H., B.A. Oxon., D.S.S. Lond. (Pract. Soc. Work) Pt.-time Asst. Tutor.
Head, W. G., B.Sc. (Econ.) Lond. Res. Asst.

(R.) = Research Asst.

Spanish Lang. and Lit.
..... Prof.
Brown, R F., M A., Ph.D. Liv. Hd. of Dept., Sr. Lectr.
de Irizar, Agustín, Lic. in Philos. Madrid, M.A. Lectr.
Lumsden, Audrey, M.A. Liv. Lectr
Boorman, J. T., M.A. Camb. Asst. Lectr.
McCririck, Verena N R., B A. Birm Asst. Lectr.
Purver, A. E., B.A Camb Asst. Lectr
Serrano, María R., Lic.-en-Fil-y-Let Zaragoza Lectora
Pinheiro, Natalia Lectora in Portuguese

Technology, v. *infra*

Theology
Browne, Rev. L. E., M.A., D.D. Camb , M.A. Manc. (Theol) Prof.
Ackroyd, Rev. P. R., M A., Ph.D Camb., M.Th. Lond. (O. T. Studies and Biblical Hebrew) Lectr.
Black, Rev. M., M A., B.D , D Litt Glas., Ph D. Bonn (New Testament) Lectr
Easson, Rev D E., M A , B D , Ph.D. St And. (Church History and Doctrine) Lectr.
Number of Recognized Teachers in local Theological Colleges.

Zoology, v. also Agric.
Spaul, E A., D.Sc., Ph D. Lond Prof.
Lloyd, Ll., D.Sc. (Entom. and Protozool.) Reader.
Henson, H., D.Sc , Ph.D. Birm. Sr. Lectr.
Kerr, T., M.A., D.Sc. Glas. Sr. Lectr.
Broadhead, E., M.A., B.Sc., D.Phil. Oxon. Lectr.
Stopford, Sheila C. D., M Sc Liv. Asst. Lectr.
Brust, Jean, B.Sc. Reading Asst. Lectr.
Werth, Irene, M.A. Oxon. Asst. Lectr.
Rowlands, Anne, B Sc., Ph D. Demr.
Baker, Mrs. Irene, B Sc. Wales (R.).
Swire, Margaret, M Sc. (R.).

Agriculture

Comber, N. M., D.Sc. Lond., F.R I.C. (Agric. Chem.) Head of Dept., Prof.
McGregor, J , B Sc Glas Prof
Watson, Prof. S. J., D.Sc. Durh., F.R I.C. 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 Director
..... (Dairy Husb) Lectr.
Mann, G. W. (Crop Husb and Farm Machinery) Temp Asst. Lectr

Agric. Bacteriology
Wolf, J , M Sc. Reading Sr. Lectr.
Barker, A N., M.Sc , Ph D. Lectr.

Agric. Botany
..... Sr. Lectr.
Jones, A Powell, M Sc. Wales Lectr.
Turner, Dorothy M., M.Sc , Dip. in Hort. Reading Lectr.

Agric. Chemistry
Willcox, J. S., B.Sc Lond., F.R.I.C. Sr. Lectr.
Townsend, W. N., B.Sc Lectr.
Hopton, J. W., B.Sc.Tech. Manc. Demr.

(R.) = Research Asst.

Lee, D , B.Sc. Pt -time Demr.
Payne, M. A., Dip. Agric. Camb (R.).

Agric. Economics

Long, W. H., M.A. Oxon. Provincial Agric. Economist.
Thomas, W. J., M Sc Wales Lectr
Jeffrey, A. G., B.Com. Sr. Tech. Asst.

Tech. Assts.

Dawson, E., B Sc.
Simpson, I G , B Sc Reading.
Wynne, A J , B Sc Lond
Lloyd, D. Hanbury, B Sc Wales
Mathieson, Morag C , B.Sc.(Econ) Lond

Agricultural Zoology

Johnson, L. R., M.Sc. Sr. Lectr.
Gibson, N. H. E., B.Sc. Lond., Ph.D. Lectr

Veterinary Hygiene

Shanks, P. L., B Sc. Aberd Pt.-time Lectr.

Medicine

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

Anæsthetics

Harbord, R. P., M.D. Liv., D.A Reader.
Harrison, Gwendolen, M B , Ch.B., D.A. (C.).
Lawrence, R. C., M.B., Ch.B., D.A. (C.).
Hall, Mrs. Jean L., M.B., B S. Lond., D.A. (C.).
Roitt, I. M., B.A. Oxon. (R.).

Bacteriology

McLeod, J. W., O.B.E., Sc.D. Dub., M.B., Ch.B. Glas., F.R.S. Dean of Fac. of Med., Brotherton Prof.

Gordon, J , M.D , D P H. (Clin. Bact.) Reader.
Johnstone, K I., B Sc , Ph D , M.B , Ch B (Public Health Bact.) Reader.

Lecturers

Zinnemann, K. S., M D. Frankfurt
Dolby, D. E., B.Sc , Ph D. Birm.
Williamson, G M , M B , Ch B. ..... (Med Mycol).

Demonstrators

Holman, R. A , M B , Ch B.
Czekalowski, J , M D Edin., D T M and H
Turner, G H , B Sc (Temp.) ..... (R.).
Nicholson, D. E , B.Sc , Ph.D. Lond. I C.I Res. Fellow.

Cancer, v. Pathol.

Forensic Med

Polson, C. J , M.D., Ch B Birm , F R.C P. Prof.
Brittain, R P , M.A , B.Sc , M.B , Ch.B Glas Lectr.
Marshall, T K , M B , Ch.B Lectr

Infectious Diseases

Benn, E. C., M.B., Ch.B., D.P.H. Liv. Sr. Clin. Lectr.

Medical Ethics

Macdonald, W. S., M.C., M B., Ch.B. Ed., D.P H. Lectr.

Medical Hydrology

..... Hon. Lectr.

Medical Physics

Spiers, F. W., B.Sc., Ph.D. Birm. Prof.

(C.) = Clinical Lectr. (R.) = Research Asst.

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.).
Watkinson, G., M D., B S Lond.
Sr. Registrar and Tutor
..... Sr. Registrar and Tutor.
..... Reader (Med).
Ingram, J. T., M.D. Lond., F.R.C.P.
(Dermatol.) Lectr., Sr. Clin Lectr. and Clin. Sub-Dean (C.).
Hellier, F. F , O B E , M A. Camb , M D Lond , F R C P.
(Dermatol.) Sr. Clin. Lectr.
Ridehalgh, F., M.A., M D. Camb., F.R C.P
(Tuberculosis) Pt-time Lectr.
..... (Dietetics and Metab. Med.) Lectr.
Tattersall, R. N., O.B.E., M.D. Lond. Lectr. (C.)
Taverner, D., M.B.E., M.D. Lectr.
Hall, D. A., B.Sc., Ph.D
(Med. Biochem.) Lectr.
..... Sr. Clin. Lectr. (C.).
Garland, H. G., T.D., M.D., F.R.C.P. Sr. Clin. Lectr. (C.)
Macpherson, I , M.D. Lectr. (C.).
Telling, O. M., M.A., D.M. Oxon. Lectr. (C.).
..... Med. Tutor.
Towers, J. R. H., M.A., M.D. Camb. Sr. Clin. Lectr. (C.).
Anning, S. T., B.A , M.D. Camb.
(Dermatology) Sr. Registrar and Tutor.
Paley, R G., M.D. (Med.) (R.).

Obstetrics and Gynæcology

Claye, A. M., M.D., F.R.C.S., F.R.C.O.G.
(Obst. & Gyn.) Prof. (C.).
Currie, D. W., M.D., Ch.M., F.R.C.S., F.R.C.O.G.
(Obst.) Sr. Clin. Lectr.
Jeaffreson, B. L., M.D. Lond., F.R.C.S., F.R.C.O.G.
(Gyn.) Sr. Clin. Lectr.
Agar, H., B.Sc., M.B., Ch.B , M B , B.S. Lond., F.R.C S.
(Obst. and Gyn.) Clin. Lectr. (C.).
McIntosh, W., M.B., Ch.B. Glas.
(Obst. and Gyn.) Clin Lectr. (C.)
Smith, A. Ambery, M.D.
(Obst. and Gyn.) Sr. Registrar and Tutor.

Ophthalmology

Foster, J , M.A., M.B., B.Chir. Camb., F.R.C.S.
Sr. Clin. Lectr. (C.).
Black, G. W., M B., B.S. Lond., F.R.C.S. Sr. Clin. Lectr. (C.).

Otology

Seed. G. S., M.B., Ch.B , F R.C S., D.L.O. Sr. Clin. Lectr. (C.).
Boyle, T. McM., M.B., Ch.B., F.R.C.S., D L.O.
(Otol. and Laryngol.) Sr. Clin. Lectr. (C.).

Pædiatrics and Child Health

Craig, W S M , M D., F.R.C.P.Ed., B.Sc. Glas. Prof. (C.).
Allibone, E. C., Ph.D. Birm., M.D. Sr Clin. Lectr.
Pickup, J. D., M.D., D.C.H. Lectr. (C.).
Jamieson, J. G , M.A., D.M., B.Ch. Oxon.
Sr. Registrar and Tutor.
Kitching, Gladys A., M.B., Ch.B.
Res. Pædiatric Registrar and Tutor.

Pathology

Willis, R. A., M.D., D.Sc. Melb., F.R.C.P. Prof.
Collins, D. H., O.B.E., M.D. Liv.
(Clin. Path.) Reader.

(R.) = Research Asst.

(C.) = Clinical Lectr.

Carmichael, R., M.B., Ch.B. Edin.
Sr. Lectr.

Lecturers

Goldie, W., M.A., M.B, Ch B Aberd.
Wright, C. J. E., M.D.
Sutherland, T. W., M.B., Ch B
Benstead, J. G., M A., M.D. Camb, M B., Ch.B.
..... (Dental Pathol.).
..... (P. of Industrial Diseases)
.....
Res Path to Leeds General Infirmary.
Lissimore, N., M.D.
(Gyn. Path.) Pt-time Lectr.
Armitage, G, M C., M.D, Ch M, F.R.C S
(Surg. Path) Hon. Lectr. and Sr. Clin Lectr in Surg
MacPherson, I., T D, M D.
(Med. Path.) Hon Demr.
Garland, H G, M D
(Neuro-Path) Hon. Demr.

Pathology, Chemical

Fowweather, F. S, M Sc, M.D, D P.H Liv, F R.I.C. Prof

Lecturers

Anderson, W. N., B.Sc., Ph.D. Belf.
Howarth, A. T., B.Sc. Manc.

Demonstrators

Godsmark, Bernice, B.Sc. Lond.
Kidder, D E., B.Sc. Lond.

Pathology, Experimental and Cancer Research

Passey, R. D, M.C., M D., B.S., D.P.H. Lond.
Prof. of Exp. Path. and Dir. of Cancer Research.

Day, T. D., M.A., M.D. Camb.
Sr Res Fellow and Asst. Dir Cancer Res.
Bonser, Mrs Georgina M., M.D. Manc. (Exp. Path.) Reader.
Dmochowski, L. L, M D. Warsaw, Ph.D
(Cancer Res.) Reader.
Stickland, L. H., M A., Ph.D. Camb.
(Exp. Biochem) Sr Lectr.
.....
(Exp. Path) Asst Lectr.
Clayson, D B, B A Oxon
(Org. Chem) (R)
.....
(Exp Path.) Milligan Res. Asst

Cancer Research Fellows

Jull, J W., B Sc
.. .
... ..
.....
. ....

Preventive Medicine and Public Health, v. also Path.

Davies, I G, M D, B.S Lond, D.P.H.
(Public Health) Prof.
Dixon, C W, M D, B S Lond, D.P.H.
(Public Health) Sr. Lectr. and Chief Asst.

Pt.-time Lecturers (Public Health)

Brockington, C. Fraser, M.A., M.D., D.P.H. Camb.
Irvine, E. D., M.D. Liv., D.P.H.
Bradshaw, D. B., M.A., M B., B.Ch., B.A.O., D.P.H. Dub.
Shirras, A. F., M.B., Ch.B. Glas.
(Vaccination)
(Pt.-time) Lectr

Instructors (Public Health)

Smithson, R. G., M.D., D.P.H.

(R.) = Research Asst.

Willcock, M. E., M.B., Ch.B. Edin., D.P.H. Edin. and Glas.
Affleck, J. W., M.B., Ch.B. Glas., F.R.F.P.S., D.P.M.
Manley, C. H., M.A. Oxon., F.R.I.C.
Goodfellow, J.
Davies, D. G.
2 vacancies.

Psychiatry

MacCalman, D. R., M.D. Glas. Nuffield Prof.
Ironside, W., M.B., Ch.B. Aberd., D.P.M. Sr. Lectr.
Eickoff, Louise F. W., M.D. Edin., D.P.M. Lond. (Child Psych.) Sr Lectr.
(Mental Dis.) Pt.-time Lectrs
Sutton, I, B Sc, M D. Manc., D P.M.
Burt, H, M B., Ch B. Glas, D P M
Valentine, J, M B, Ch.B Glas., D P M
Affleck, J. W., M B., Ch.B Glas, D P M.
Wilson, A. H., M B, Ch.B. Aberd., D.P.M.
(Mental Deficiency) Pt-time Lectr
Crocket, R W., M B, Ch B Glas, D.P.M. Sr. Regr. and Tutor.
Martin, D R., B.A. Syd. Clin. Psychologist.
Guntrip, Rev. H. J. S., B.A., B D Lond. Psychotherapist
Rosenbusch, H., M.D. Leipzig Psychotherapist
Ottaway, Mrs. Daphne O. Sr. Psych. Social Worker.
Paul, Evelyn M., B.A. Psych. Social Worker.

Rädiology and Radiotherapy

Johnstone, A. Stewart, M.D. Edin., F.R.C.S.Ed, D.M.R.E. (Radiodiagnosis) Prof.
Illingworth, G. H., M.A. Oxon., M.D. (Radiodiagnosis) Lectr.
Lees, J. M, M A., B.M, B Ch Oxon, D M R (Radiotherapy) Pt.-time Lectr.
Pickard, C., B.Sc., M B., Ch.B., D M R D (Diagnostic Rad) Hon. Demr
Digges la Touche, A. A, M.A, M B., B Ch Camb, F R C S., D M R (Radiotherapy) Sr. Clin. Lectr.
Nuttall, J. R, M.D Manc., D M R, F F.R (Radiotherapy) Sr. Clin. Lectr

Rheumatism Research

Myers, G N., M D, B S, M Sc Durh, Ph D Camb, F.R C P Director.
Petty, H., M B, Ch.B., F.R.C.S. (Surg. of Rheumatism) Fellow
Ross, D N, M D., Ch B Glas, F R F P S Fellow

Surgery

Chamberlain, D, Ch.M, F.R.C S Prof. (C.)
Symons, H. W., M.B., Ch.B., F R.C S. (Clin. Surg.) Prof. (C.).
..... Reader.
Pyrah, L. N., M Sc., Ch.M., F.R.C.S. Director Surg. Research and Sr. Clin. Lectr. (C.).
Broomhead, R., M.B., Ch.B., F R.C.S. (Orthop. S.) Sr. Clin Lectr. (C.).
France, W. G., M.B., Ch.B., F.R.C.S. (Orthop. S.) Sr. Registrar and Tutor.
Raper, F. P., M.B., Ch B., F.R.C.S. Sr. Registrar and Tutor.

(C.) = Clinical Lectr.

Moir, P. J., M.C., M.B., Ch.B. Glas., F.R.C.S.
Sr. Clin Lectr. (C.).
Armitage, G., M.C., 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.)
Allison, P. R., B.Sc., M B., Ch M , F.R.C S. (Thoracic)
Sr Clin Lectr.
Wooler, G. H , M A , M D Camb., F.R C S (Thoracic) (C)
.....
(Thoracic Surg.) Res. Fellow.
Oldfield, M W C , M B E , M A , B M , M Ch Oxon , F R.C S (C)
Pain, A. B., Ch.M., F.R.C.S. (Orthop S)
Sr. Clin Lectr (C.).
Clark, J M P., M B E , M B , Ch B , F R C S (C)
Henderson, W R , O B E , M.B , Ch B Edin , F R C S. (Neurol Surg) Sr Clin. Lectr.
Garland, H. G., T.D., M.D , F R.C.P (Neurol.)
Sr. Clin. Lectr.

Therapeutics

.....
(Therapeutics and Applied Pharmacol) Prof. (C.)
.....: Asst Lectr

Venereal Diseases

Horne, G. O., F.R C P Ed
Clin Lectr (C.)

Dentistry

Dental Anæsthetists

Harrison, Gwendolen, M.B., Ch.B. (Hon.).
..... (Hon).

Dental Anatomy and Physiology

Sykes, J. G., B.Ch.D., F.D.S.R.C.S. Lectr. (C.).

Dental Histology

Ramsden, D. C., L.D S.
Hon. Demr. (C.).

Dental Materials, Properties of

Hume, J , B Sc Edin Lectr.
Roberts, Prof. A. L , B Sc., Ph.D. Lectr.
Petch, N. J., B Sc., Ph.D Lond , B Met. Sheff. Lectr.

Dental Mechanics

Stephens, H D., L.D.S.
Lectr. (C.).

Dental Path. and Bact.

..... Lectr

Dental Radiology

Johnstone, Prof. A Stewart, M D. Edin., F.R C S.Ed , D M.R E. Lectr.

Dental Surgery

Read, T. T , F R F P S Glas , F.D.S.R.C.S.
Prof and Warden (C.).
Hollings, M. R., B.Ch.D., F D.S.R C.S Sr. Lectr.
Cocker, J. P., L D S., F.D.S R C.S. Lectr. (C.).
Crawford, J. K., F.D.S.R.C.S. (C.).
Johnson, H. G. L., L.D.S. (C.).
Woodcock, S. R., L.D.S Leeds, H D D. Edin (C).
Cork, D J , L D S (C).
Brook, F., H D D., L.D S. (C.).
Southam, F. L., L.D.S.
Sr House Surgeon.
..... Hon. Clin. Tutors.

6 vacancies

8 House Surgeons, 4 Asst. House Surgeons.

Dental Surgery, Clinical

Carr, Mrs. Kathleen M., B.Sc., B.Ch.D., L.D.S. Lectr.
Ross, J. H., B.Ch.D., L.D.S. Lectr.

(C.) = Clinical Lectr.

Burras, Eileen M., B.Ch.D., L.D.S. Lectr.

Oral Biology

Rogers, H. J., B.Sc , Ph D Lond. Nuffield Research Fellow

Orthodontia

Shaw, H., L.D.S., F.D.S R.C S. Sr. Lectr.

Wood, T. Jason, B.Ch D., L.D.S. Hon. Demr

Prosthetic Dentistry

Woodhead, C , L.D S. Lectr

Knowles, Jean, L.D.S. Temp. Lectr.

Technology

v. also Agriculture

Coal Gas and Fuel Industries with Metallurgy

Roberts, A. L., B.Sc., Ph.D , F.R I C. Livesey Prof.

Petch, N. J., B.Sc , Ph.D. Lond., B.Met. Sheff (Met.) Reader.

Hodsman, H. J., M.B.E , M.Sc., F R.I C (Gas Chem.) Sr. Lectr.

Johnston, D., M Sc Durh. (Met.) Lectr.

Irvine, K. J., B.Sc., Ph.D. (Met.) Lectr.

Forsyth, J. S , B.Sc. Glas., Ph.D. (Chem. Engin) Brotherton Lectr.

..... (Fuel Tech) Lectr

Sinkinson, Eric, B Sc Sheff., D.I.C. (Fuel Tech.) Lectr

Carruthers, T. G., B.Sc. (Ceramics and Refract Mats.) Lectr.

Franklin, N. L , M.Sc. (Chem. Eng.) Lectr.

Grimshaw, R. W., B.Sc., Ph.D. (Refract. Materials) Asst. Lectr.

Dennison, J. P., B.Sc., Ph.D. (Met) Temp. Asst. Lectr.

Winning, H., B.Sc. Glas. (Chem. Eng.) Asst. Lectr.

Scholefield, D. A., B.Sc., Ph.D. (Gas Engin.) Asst. Lectr.

Dent, F. J., Ph.D., D.Sc. Hon. Lectr.

Research Chemists

Wood, J. W., M.Sc.Tech. Manc. (and Hon. Lectr.).

Garside, J. E., B.Sc., Ph.D.

Blackburn, W. H., M.Sc., Ph.D.

Research Assistants

Ashley, L. F., B Sc., Ph.D.

Evans, Edith, M.Sc.

Buckley, J W A , M.Sc

Catchpole, J R , B.Sc.

Barker, L , B Sc , Ph D.

Guy, W., B.Sc.

Kilham, J. K., B.Sc., Ph.D.

Wood, F. C., M.Sc.

Plummer, M., B Sc.

Towler, J. H., M.Sc

Jackson, E. G., B.Sc

Stubbs, J. J., B.Sc.Tech. Manc.

Pollard, A., B.Sc.

Rae, D. M , B.Sc. (Met.) (R.).

.....

(Chem. Engin.) Brotherton Res. Asst.

Colour Chemistry and Dyeing

Bradley, W., D.Sc., Ph.D. Manc. Prof.

Cross, E. J., B.Sc., Ph.D. Lond. (Colour Chem.) Sr. Lectr.

Bird, C. L., M.Sc., F.R.I.C. (Dyeing) Lectr.

.....

(Col. Chem. and Dyeing) Res. Lectr.

Peters, A. T., D.Sc., Ph.D. Manc. (Col. Chem.) Lectr.

.....

(Lakes and Pigments) Lectr.

Easty, G. C., B.Sc., Ph.D. Lond. (Phys. Chem.) Brotherton Res. Fellow.

(R.) = Research Asst.

Stevens, C. B., B.Sc., Ph.D. (Dyeing) Lectr.
..... (Dyeing) (R.).
Sutcliffe, F. K., M.Sc. Manc. (I.C.I. Res. Fellow).
Denham, W. S., B.Sc. Lond., D.Sc. St. And., F.R.I.C. Hon. Fellow.
Nursten, H E., B.Sc , Ph.D. B.D.A. Res. Fellow

Engineering, Civil

Evans, R H., D.Sc. Manc., Ph.D. Prof. and Admin. Hd. of Engin. Depts.
Wilson, G , M.Sc. . Hon. Lectr
Mackey, S., B.Sc., M E. N.U I. Lectr.
Henry, F. D. C , B.Sc Lond. Lectr.
Jones, R., M.Sc.Tech. Manc. Lectr

Engineering, Elect.

Carter, G. W., M A. Camb. Prof.
Stuart, W. S., M.Eng. Liv. (Elect. Communs.) Sr. Lectr.
Bridgwood, T G., B.Sc., Ph D. Lectr.
Greenwood, A. N., M.A. Camb. Lectr.
Brayshaw, G. S., B.Sc., Ph.D. Lond. Lectr.
Leslie, F. M., M.Sc., Ph.D. I.C.I. Res. Fellow.

Engineering, Mechanical

Christopherson, D. G., O.B.E., B.A., D.Phil. Oxon., S.M. Harvard Prof.
Caton, E. E., M.Sc. Sr. Lectr.
Leah, A. S., Ph.D. Sr. Lectr.
Richardson, S. G., M.Sc. Sr. Lectr.
Rounthwaite, C., B.Sc., Ph.D. Lectr.
Appleyard, D., M.Sc. Lectr.
Stansfield, H., M.Sc. Manc. Lectr.
Shilton, R., B.Sc. Lond. Lectr.
Carpenter, N., B.Sc. Lectr.
..... Lectr.

Leather Industries

Atkin, W. R., M.Sc. Prof.
Danby, J. P., B.Sc. Lectr.
Mitchell, Mrs. Eva, B.Sc. Manc., Ph.D. Asst. Lectr.
Procter International Research Laboratory
McCandlish, D , M.Sc., Emer. Prof. Hon. Director.
..... (R).

Mining

Whetton, J. T., D.S.O., M.C., O.B.E., M.Sc. Leeds and Durh. Prof.
Smith, H. G., B.Sc. (Metal Mining and Dressing of Minerals) Sr. Lectr.
Jenkins, J. D , M.Sc. Wales Lectr.
Potts, W. L. J., B.Sc. Durh. Lectr.
King, H. J., B.Sc. Lond. (Mining and Mine Surveying) Lectr.
..... (Geod. Surveying) Lectr.
Jowett, A.,B.Sc.,Ph D. Asst. Lectr.
Myers, J. O., B Sc. (R.).
Habberjam, G M., B.Sc., Ph.D. (R.).
Horsley, R. M., B.Sc. (Selective Flotation) (R.).
West, L., B.Sc. Lond. (R.).
Banerji, B K., M.Sc. Patna (R.).
Brown, D. J., B.Sc. (R.).

Textile Industries

Speakman, J. B., D.Sc. Manc., F.R I.C. Prof.
..... Wool Text. Engrg. (Res. Prof.).
Astbury, W. T., M.A., Sc.D. Camb , D.Sc. Strasburg, F R.S. (Textile Physics) Hon. Reader.
Whewell, C. S., B.Sc., Ph.D., F.R.I.C. Reader (Text. Finishing).
Chamberlain, N. H., B.Sc., Ph.D. (Rayon Tech.) Sr. Lectr.
Townend, P. P., B.Sc., Ph.D. (Yarn Manuf.) Sr. Lectr.

(R.) = Research Asst.

Meggy, A B., B.Sc. Lond., D Phil. Oxon. (Phys. Chem.) Brotherton Res Lectr.
Snowden, D. C., M Sc. (Weaving Mechanism) Lectr
Peters, L., B.Sc. Lond., M.Sc., Ph D. Lectr.
Woods, H. J., M.A. Oxon., F.Inst.P. (Text. Physics) Lectr.
Onions, W J, B Sc Wales (T Testing) Lectr
Hannah, Dorothy M, B A Camb (Text. Engin) Lectr
Kisby, C. (Text Design) Lectr
Young, D (Cloth Anal. and Cloth Struct) Lectr
Davies, E J, B Sc Wales, M Sc Res. Chem. and Lectr (Hon.).
Barr, T., B Sc. Glas., Ph.D. Manc. Res. Chem. and Lectr. (Hon.).
Callow, H J., B.Sc Lond., Ph.D. Res. Chem. and Lectr (Hon.).
Bell, J W, B Sc, Ph D (Text Chem) Asst Lectr
Landells, G, B Sc, Durh B D.A. Res. Fellow
Ripa, O., Dr. Chem. Technol. Riga Failsworth Res Fellow

Intern Wool Secretariat Fellows

Truter, E. V., B.Sc., Ph.D Lond
Peryman, R V, M Sc N.Z.
Fearnley, C., Ph.D.
Horner, J. L., M.A Camb
Sikorski, J., Dipl Ing. Warsaw, M.Sc.

Research Asst

Jagger, Lilian G., B.Sc. Wales.

Institute of Education

Niblett, W. R., B.A. Brist., B.Litt. Oxon. Director.
Evans, A. A., M.A. Brist. Deputy Dir.
Earle, F. M., M.Ed., D.Sc. Manc., B.Sc. Sr. Res. Fellow.
. . . . . Jr Res Fellow
Higginson, J. H, M A, M.Ed. Lectr.
Smith, Margaret M, M A. Lectr
Packer, J. W, B A., B.D, M Th Lond Lectr.
McCullagh, Sheila K, M A Lectr
Richards, G O., M A, Mus B. Camb, F R.C.O. Sec.
Goodman, E E, B A Oxon Librarian.

Extra-mural Studies

Raybould, S. G, B.Sc Lond. Director.
Lecturer in Departments of Economics and Extra-mural Studies. Johnson, A., B Sc. Lond, Lecturer in Depts. of Soc. Studies and Extra-mural Studies Wiseman, H V, M A. Oxon., B Sc. Econ. Lond.
Staff Tutors: Baines, H., B A; Pybus, A E, Bellamy, C. V, B.Sc; Johnson, C, B A., Baxandall, H, M.A Camb., Shaw, R., B.A. Manc., Harrison, J F. C., M A. Camb.; Huddleston, J, M A, Baker, W. P., M A Camb., B.A. Oxon.; Hauger, E. G., M A., Thompson, E. P., B.A Camb; Pritchard, W J, M Com; McLeish, J., B Sc, Ed B. Glas; Stein, W., B A. Manc.; Rex, J. A, B.A S. Africa; Brookman, P E, B Com (Organizing Tutor); Saunders, J W., M.A. Oxon. (Univ. Extension Asst Lectr.)
Services Education Work: Kelly, A., M.A., LL.B. Glas. (Asst. to Dir.).
Lecturers: Robson, Winifred F., M.A. Liv., McGregor, J., B.A. Liv., M.Ed.; Walsh,

H E., M A., M Ed.; De Russett, A. W., M.A. Camb, Balmer, J, B Sc.; Bishop, T G, B A Lond

Assistant Lecturers · Jenkins, H, B Sc. Wales, Dalby, G. R, B.A.; Hunt, K. L., B.Sc. Brist.; Cross, R. V., B A Camb

Warden, The Albert Mansbridge College: Melling, J, M.A. Oxon.

ADMINISTRATIVE OFFICERS

UNIV. OFFICE. T. A. Divine, M.B., Ch.B, Sr. Admin Officer, Medical School. A. Batt, Sec., Dental School. E Williamson, B Sc., Asst. Bursar. D. A. Anthony, B.A, Asst. Registrar. G Wilson, M.Sc., Planning Engineer. J E. Laybourn, Clerk of the Fabric. Anne Forrest Brownlie, Superintendent of Catering W. Blackledge, Photographer.

TUTOR OF WOMEN STUDENTS Lady Ogilvie, M A.

LIBRARY. Deputy Librarian, K. W. Humphreys, M.A., B.Litt. Oxon.

WARDEN OF NON-RESIDENT MEN STUDENTS. J. McDougall, M.A, Ph.D.

ASST. WARDEN OF WOMEN DAY STUDENTS. Mrs. W. A. Sledge, B A.

STUDENTS' HEALTH. Univ. Medical Officer, R. J. Still, M.A., M.B., B.Chir. Camb.

APPOINTMENTS BOARD. Secretary, Major-General J. C. Latter, C.B E, M.C.

AFFILIATED COLLEGES

COLLEGE OF THE RESURRECTION, MIRFIELD (Warden—Rev. Father Hugh Bishop), and RAWDON COLLEGE (Principal—Rev. L. H. Marshall, B.A., B.D., Ph.D. Lond.).

TECHNICAL COLLEGE, HUDDERSFIELD.

DIOCESAN TRAINING COLLEGE, YORK.

PRINTING DEPARTMENT OF THE LEEDS COLLEGE OF TECHNOLOGY.

GENERAL INFORMATION

The Leeds School of Medicine, founded 1831, and Yorkshire College, established as a College of Science in 1874, were united in 1884. The College formed part of the Victoria Univ. from 1887 to 1904, when a Univ. was established by Royal Charter in the city of Leeds.

LIBRARY. Brotherton Library, 330,469 books and pamphlets. Brotherton Collection 38,529 books and pamphlets, including 249 incunabula, together with 477 manuscripts, 4105 deeds and 31,251 letters. Medical Library, 25,524 books and pamphlets. Dental Library, 1069 books and pamphlets. Agricultural Library, 28,377 books and pamphlets. Institute of Education Library, 1325 books and pamphlets. Other Departmental libraries, 10,585 books and pamphlets. Other special collections: (*a*) 2777 vols. in French on Great Britain, printed before 1801; (*b*) 397 vols. on events in France in 1870–71; (*c*) Icelandic and Scandinavian collection of 12,511 vols. and pamphlets; (*d*) Mitrecey Collection of 612 vols. on occultism; (*e*) All Souls Collection of 2294 vols. on early science and theology; (*f*) Library of the Leeds Philosophical and Literary Society, presented in 1936; (*g*) Chaston Chapman Chemistry Library, about

3000 vols. and many thousands of pamphlets; (*h*) Chaston Chapman Collection of early alchemical and science books, 1116 vols.; (*i*) Blanche Leigh Collection of cookery books, largely of the 17th and 18th centuries, 1300 vols.; (*j*) The Holden Theological Library, belonging to the Diocese of Ripon, 8992 books and pamphlets; (*k*) The Harold Whitaker Collection of atlases and maps, particularly of English counties, about 450 vols.

MUSEUMS: Bot., Dyeing, Geol., Materia Med., Path., Social Studies (Anthropol.), Textile, Zool. LABORATORIES: Agric. Chem., Biochem., Biomolecular Structure, Botany, Chem. Engin., Chem., Coal Gas and Fuel Tech., Colour Chem. and Dyeing, Engin. (Elec., Civ., Mech.), Geol., Leather Industries (including Procter Internat. Research), Maths., Metall., Mining, Path. and Bacteriol, Cancer, Pharm. and Pharmacol., Physics, Physiol., Textile, Zool. HOSPITALS available for Clinics: Infirmary (872 beds), Women's Hosp. (103 beds), Maternity Hosp. (120 beds) and others. West Riding Mental Hospitals.

FACULTIES. Arts (including Theology), Economics and Commerce, Law, Science, Technol. [including Agric., Coal Gas and Fuel with Metall., Chem. Engineering, Colour Chem. and Dyeing, Engineering (Civ., Elec., Mech.), Leather Industries, Mining, Textile Industries], Medicine (including Dentistry and Pharmacy). *Deans*: Prof. A. V. Williamson (Arts), Prof. A. J. Brown (Econ. and Commerce), Prof. J. D. I. Hughes (Law), F. A. Long (Science), Profs. R. H. Evans (Technol.), J. W. McLeod (Medicine). *Tutor of Women Students*: Lady Ogilvie, M.A.

In connexion with each of the technological departments there is an Advisory Committee, which includes representatives of the industry concerned.

ADMISSION. *See* Appendix I.

DEGREES. Obtainable after a 3 yrs.' course from matricn.—B.A., B.Mus., B.Sc. (Honours degree usually 4 yrs.), LL.B., B.Com. (which may be taken with an Applied Science as one of the principal subjects), 3 yrs. for degree, or 4 yrs. including Diploma of Printing Dept. of Leeds Tech. Coll.; M.B., Ch.B., B.Ch.D. 5½ to 6 yrs.

The degrees of B.A. and B.Sc. are conferred with Honours in General Studies or Special Studies (v. p. 7).

Mining students receive practical instruction in mines under arrangements made with the National Coal Board, but the courses are not intended to supersede the usual apprenticeship.

Hons. students of Mod. Langs. (French, German, Russian, Spanish) 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 Law Dept. 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.D., Ch.M., 1 yr.; M.Ed., M.Sc., 2 yrs. (for holders of Hons. B.Sc., 1 yr. after the bachelorship). Graduates of approved Univs. (including the chief Univs. of the world; each case is considered on its merits) may obtain the M.A., Ph.D. (v. p. 16), or M.Sc. by 2 yrs. of research. Graduates of this Univ. may obtain the Litt.D. or D.Sc. 6 yrs. after graduation.

Graduates 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 graduates from the date of original graduation.

DIPLOMAS. Agriculture (Farm Management), Agricultural Bacteriology, Agricultural Chemistry, Agricultural Economics, Education, Fuel and Metal-

lurgy, Fuel Technology, Fuel and Refractory Materials, Gas Engineering, Chemical Engineering, Geography, 1 yr. (sometimes 2) after graduation. Educational Administration, Public Administration, 2 winter sessions. Biblical Studies, Hebrew, Spanish, 2 yrs. part-time. Social Studies, 2 yrs. (1 for graduates). Engineering (Gas, Mining), Fuel and Metallurgy, Dyeing, Leather, Textile Industries, 3 yrs., reducible under certain conditions to 2. Colour Chemistry, 4 yrs. Part-time for apprentices: Gas Engineering, Fuel and Metallurgy, 4 yrs.; Colour Chemistry and Dyeing, 5 yrs. Public Health, 2 yrs. after graduation. Psychological Medicine, 3 yrs. Nursing, involving 4 yrs.' hospital training and 3 mos.' lectures. Dental Surgery, 4 yrs. including 2 in Univ.

FEES. Matricn., £2. Registration, £2 (£5 for overseas students). Composition fees for tuition (including Union): Arts, £35 a session; Law, £15: 11s.; Science, £43; Technology, £47 (special materials charge in addition of £10 for overseas students in Textile Dept.); Agric. Degree, 1st session, £43, 2nd and 3rd sessions (and 4th if required), £47. Course for Dipl. in Educn., £45 p.a.; Dipl. in Soc. Studies, £30 p.a. Medicine: complete course for M.B., including Pre-registration course, hospl. practice and maternity hostel residence, £343. Dentistry (including hospl. practice and pupilage): Dipl., £265; Degree, £285. Research fee, £15 to £22 a session. Examns.: Arts, Science, etc., £6; B.Ch.D., £16; graduation fee, £7; Medicine (including graduation), £25; L.D.S., £16; conferment fee, £6.

POSTGRADUATE SCHOLARSHIPS, ETC. A number of open fellowships and scholarships for research in Science, Technol. and Med. Also, for graduates of the Univ., Fellowships, Scholarships, or Grants, of varying amount, awarded normally for 2 yrs.; £125 for higher Humanistic study, for graduates of Leeds or Sheffield.

RESIDENCE. Four hostels for men, Devonshire Hall (Warden: D. Hywel Evans, A.M., M.A.); Lyddon Hall (Warden: R. E. Morgan, B.A.); Woodsley Hall (Warden (Temp.): E. A. Dawes, B.Sc.) and Sadler Hall (Warden: J. H. Higginson, M.A., M.Ed.), fees £90 for 32 weeks (under review); three for women, Weetwood Hall (Warden: M. Brenda Carey, LL.B.); Oxley Hall (Warden: Lettice M. Pither); and Lupton Hall (Warden: D. Jean Phillips, B.Sc), fees £71-74 (under review). Croft Hall (hostel for Maternity Clerks) (Warden: M. Kathleen Haygarth). Sites on the outskirts of the city have been acquired for further hostels for men and women students.

APPOINTMENTS BOARD. Sec.: Major-General J. C. Latter, C.B.E., M.C.

Number of registered students (1948–49): 310, including 166 Arts Fac., 84 Science, 60 Technol.

OVERSEAS STUDENTS' COMMITTEE. Secretary, The University.

An OLD STUDENTS' ASSOCN. was formed in 1923 and now has branches in various parts of the country. The Hon. Secs. of the Assn. are Mrs. Kellett and W. H. Trickett.

DEPARTMENT OF EXTRA-MURAL STUDIES. Director: S. G. Raybould, B.Sc. Instituted 1946. Lecture courses and Tutorial classes provided, the latter in co-operation with the Workers' Educnl. Assocn. and Local Education Authorities.

PUBLICATIONS. *Calendar* (Sept.), 14s. (post free); Annual Reports of the Univ. and of Tech. Depts.; *Gryphon*, 6s. annually (students' magazine); *University of Leeds Review*, 4s. p.a. or 2s. 6d. per issue; *Union Handbook*; Prospectuses of various Depts.

THE YEAR 1948–49

BENEFACTIONS. £25,000 from Mrs. McGrigor Phillips for books, MSS., letters and pamphlets for Brotherton Collection, and bronze head of the late Lord Brotherton by Ivan Mestrovič; £14,000 over 7 years from W. H. Dean, Bradford, for research in Economics Dept.; £4380 from the Misses Elinor and Bessie Lupton for acquiring property near the Univ.; £450/£600 a yr. for three yrs. from Bolton Leathers, Ltd., for establishment of scholp. or fellowship; £500 from Messrs. Keir & Cawder, Ltd., Glasgow, for res. in Geol.; collection of Roman coins from the Yorkshire Archæological Society; from the Trustees of the Zion Sunday School fund, £290 (accumulated income) and £25-£30 quarterly income for the Library; French Students' Subscription Library presented to the Univ. Library; Brodetsky Prize in Maths. endowed by Emeritus Prof Brodetsky from the proceeds of the Fund presented to him on his retirement; and Jamieson Prize in Practical Anat endowed by Dr and Miss Jamieson in memory of their father, the late Prof. J. Kay Jamieson; collection of books presented to Sadler Hall by Michael Sadleir, post-grad. scholp. of £350 a yr. for 3 yrs provided by Messrs K.L G. Sparking Plugs, Ltd. Legacies, including £7000 from the late Mrs M E Boothman for Scholps; £8700 from the late W. A. Crabtree; £600 from the late Emeritus Prof Walter Garstang for vacation grants to Zool. students; £250 from the late Emeritus Prof. A. J. Grant; £2000 from the late Mrs. Annie Haley for scholps.; £1000 from the late A. B. Phillipson and £100 from the late Mrs. Winifred Wager.

NEW BUILDINGS. Work continued on Parkinson bldg.—second, third and fourth floors occupied. Metall. and Physics extensions completed and progress made in Textile extension and additional accommodation for Bot Dept. Sadler Hall—named in commemoration of the work of Sir Michael Sadler as Vice-Chancellor (1911 to 1923)—opened as hostel for 32 men students. "High Mead" opened as annexe to Lupton Hall providing accommodation for a further 20 women students; and plans under consideration for large extension of Woodsley Hall hostel for men students. Temp. accomm. in houses provided for Depts. of Forensic Med., Public Health, Obstetrics and Gynæcol., Med, Biochem., Surgery, Biomolecular Structure, Institute of Educn., Student Health, Music, Fuel Res. Plans in preparation for bldg. for Dept. of Rayon Technol. (towards which Messrs. Courtaulds Ltd. made a gift of £60,000), and for new Refectory and Staff House.

NEW DEPARTMENTS AND POSTS Depts of Fine Art, Phonetics and Psychol. instituted. Dept. of English Lang and Lit. divided into Dept. of English Lit. and Dept. of English Lang. and Mediæval English Literature. New posts include Chairs of Music and Psychol.; Lectureships in Fine Art and Medical Mycol.; Univ. Medical Officer, Lectrs. and Res. Fellow in Institute of Educn.

OTHER DEVELOPMENTS. Lease of Farm for Agric. Dept.; Freshers' Conference; provision of permanent archæological training site. Student Health Service inaugurated.

CHANGES IN REGULATIONS. Amendment of Statutes governing membership of Court, Council and Senate, including an increase from 3 to 8 in the maximum number of "additional" members of Senate, 4 of whom are nominated for appt. by members of all Facs.

EXTRA-MURAL WORK. 87 Tutorial Classes, 5 Preparatory Tutorial Classes, and, under arrangement with the W.E.A., 27 1-yr. and Terminal classes in the Dales. 3 weeks' Summer School at Cottingham in co-operation with Hull

Univ. College and W.E.A.; residential conference on Adult Educn. held in summer term 47 courses of Extension Lectures, 1 full-time non-residential course, 3 residential courses and 29 single lectures. Residential Coll. for Adult Educn. to be named the Albert Mansbridge Coll. Scheme of civilian aid to Services' Education within Leeds extra-mural area inaugurated Jan. 1, 1949.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES Prof C. J Amundsen (Eng. Hist.) of Pittsburgh as Visiting Prof.; visits by Dr. Volhard, Prof. of Med., Frankfurt; Prof. Pruvost, Strasbourg; Prof. Lichnerourcz, Strasbourg.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES Prof. G P. Chapman (Hist), Visiting Prof. at Univ of Pittsburgh; Dr. H. G. Baker (Bot.) as Res. Fellow for the yr. at Stanford Univ., Calif., U S.A.; Dr. J. W. Baker (Organic Chem.), 3 lectures at the Instituto Nacional de Química "Alonso Barba," Madrid.

RETIREMENTS. Dr Doris Gunnell (French); J. J. Ilett (Asst. Bursar), Mrs Redman King (Zool and Warden, Weetwood Hall); Prof. D. McCandlish (Leather Industries).

RESIGNATIONS M. F. M Meiklejohn (Italian), on appt. as Prof. of Italian, Glasgow Univ., P B. Dews (Pharmacol.), on appt. to Fellowship in Mayo Foundation, Rochester, U S.A.; K. Lawrence (Asst. Registrar), on appt. as Registrar, Univ Coll., Bangor; Kathleen M. Knights (Tutor of Women Students), on her marriage

DEATHS Dr G. C Veale (Pro-Chancellor and Hon Graduate), Dr. C. Brotherton (member of Council and Hon. Graduate), Sir Rowland Barran, A. F R. Hepton, Rt. Rev Dr. G. C. L. Lunt, Bishop of Salisbury, H. Woodall (members of Court or Advisory Committees), Emeritus Prof. E. J. Garwood, Dr. F S. Kipping, Viscount Ullswater (Hon Graduates), Emeritus Prof. W. Garstang; Dr J. Colvin, Dr. J Flaks, Dr. H. H. Moll, Elizabeth Weston (members of staff).

HONORARY DEGREES CONFERRED. *LL.D.*—Dr. B. Mouat Jones, Dr. Lilian M. Penson. *Litt.D.*—Phyllis E. Bentley, E. V. Rieu. *D.Sc*—Prof. J. C. Brash, Sir James Chadwick, A. T. Green.

STUDENTS Total: 3670; full-time: 3209; pt.-time: 461; the total includes 811 women and 575 postgraduates.

DEGREES. B.A., 237; B.Mus., 1; M.A., 27; M.Ed., 7; B.Com., 27; M.Com., 1; LL.B, 33; LL D, 1; B Sc, 271; M Sc., 24; Ph D., 35; M.B., Ch.B, 36; M D, 8; Ch M, 2; B.Ch D., 11.

UNIVERSITY OF LIVERPOOL

Liverpool 3

Founded 1903

VISITOR—H.M. THE KING.

CHANCELLOR—The Rt. Hon. OLIVER F. G. STANLEY, M.P., Hon. LL.D.

PRO-CHANCELLORS—V. E. COTTON, C.B.E., T.D., J.P., M.A. Camb.; Sir JOHN R HOBHOUSE, M.C., J.P.

VICE-CHANCELLOR—J F. MOUNTFORD, M.A. Oxon. and Birm., D.Litt. Birm., Hon. LL.D. Wales and Birm., Hon. Litt.D. Dub., Hon. D.C.L. Oxon.

PRO-VICE-CHANCELLOR—Prof. A. ROBERTSON, M.A. Aberd., B.Sc., Ph.D. Glas., F.R.S.

TREASURER—BERTRAM NELSON, J.P.

CHAIRMAN OF CONVOCATION—A McFARLAND, LL.M

REGISTRAR—STANLEY DUMBELL, M.A.

FINANCE OFFICER—R. LEWIN.

ASSISTANT REGISTRARS—J. C. MACKENZIE, D.S.C., M.A., LL.B. (*Esquire Bedell*); S. R. WHIPPLE, D.F.C., B.A. Oxon. (*Appointments Officer*); J. F. CORY DIXON, F.A.I. (*Estate Officer*).

LIBRARIAN—K. POVEY, M.A. Camb.

Telephone: Royal 6022.

TEACHING STAFF

Anatomy

Harrison, R. G., M.A., D M
Derby Prof.

Lecturers

Hughes, J. Howell, M.D., Ch.M., F.R.C.S. (App. Surg. A.).

Baker-Bates, E. T., M.D. (App. Med. A.).

Whitaker, P. H., M.D., D.M.R.E. (App. Radiol. A.).

Jones, Tudor J., Sc.D. Glas., M.D. (Embryol.).

Warbrick, J. G., M B., Ch.B.
Asst. Lectr.

Demonstrators

Edmondson, J. L., M.B., Ch.B.

Temkin, L., M.B., Ch.B.

Marchant, Mary K., M.B., Ch.B.

Macmillan, E. W., M.B., Ch.B. Edin.

Archæology

Fairman, H. W. (Egyptology)
Brunner Prof.

Powell, T. G. E., M.A. Camb., F.S.A. (Prehistoric A. of Western Europe)
Rankin Lectr.

Architecture, v. also Civ. Design, Engin.

Budden, L. B., M.A., F.R.I.B.A.
Roscoe Prof.

Scott, Sir Giles G., O.M., LL.D., D.C.L., R.A., P.P.R.I.B.A. (Eccl. Archit.)
Reader.

Senior Lecturers

Cole, E. R. F., B.Arch., F.R.I.B.A.

Brooke, D., M.A., B.Arch., F.R I B A

Lecturers

Miller, B. A., B Arch , F.R I B A.
Young, R. R. R., Dipl. Arch
Wilkinson, S., B.Arch.
Phillips, W J , Dipl Arch. Cardiff
Thomas, D P , B Arch.
Morgan, B. G , B Arch.
Beech, G. R., Dipl. Arch.
Rowe, C. F., M.A., B.Arch.
Thompson, J. S., Dipl. Arch
Velarde, F. X., B.Arch , F.R.I.B A Studio Instructor
Smith, H. Tyson, 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., M Sc., F R I C Sr Lectr.
Coope, R , B Sc., M D., F.R.C P. (Clin Chem) Lectr
Garner, R. J , M A. (Vet. Biochem) Lectr
Hartles, R. L , B.Sc , Ph.D (Dent Biochem) Lectr.
Glover, J., M Sc. Belf , Ph.D. Lectr
King, H. K , M A , Ph D., F R I.C Lectr.
Kaye, M. A. G., B.Sc. Lond., Ph.D. Birm. Asst. Lectr.

Botany

Thompson, J. McLean, M.A., D.Sc. Glas., D. ès Sc., F.L.S. H. Gaskell Prof.
Knight, Margery, D.Sc., F.L.S. Lectr.
Stirling, J., D.Sc. St And., F.L.S. Lectr.
Mathias, W. T., M.Sc. Wales, Ph.D., F.L.S. Lectr
Coult, D. A., M.Sc. Lond., F.L.S. Lectr.
Hare, C. L., M.Sc. Lond., Ph.D. Aberd Lectr.
Burrows, Elsie M., B.Sc. Lond., Ph.D , F.L S. Demr.
Vallance, K. B., M.Sc. Manc. Asst Lectr.
Round, F. E., B Sc. Asst Lectr.

Celtic

Richards, G. M , M A. Wales (Welsh) Hd. of Dept., Lectr.

Chemistry, v. also Biochem.

Robertson, A., M.A. Aberd., B.Sc., Ph.D. Glas., F.R.S. (Org.) H. Harrison Prof.
Bawn, C E H , B.Sc , Ph.D. Brist Grant Brunner Prof.
Hilditch, T P , D Sc. Lond , F.R S., F.R I.C: (Industrial Chem.) Campbell Brown Prof.
Griffith, R. O , D Sc. (Phys.) Reader.
McGookin, A , D.Sc., Ph.D. (Org.) Sr. Lectr
Hickling, A., M Sc. Sheff., Ph.D. Sheff. (Phys.) Sr. Lectr.

Lecturers

Edwards, D. M., M.C , B Sc. (Inorg.).
Beer, R. J. S., M.A. Oxon., D Phil. (Org).
Doran, W., M.Sc. (Org.).
Occleshaw, V. J , M Sc , F R I C. (Inorg. and Phys).
McDowell, C. A , M.Sc. (Inorg. and Phys.).
Douglas, H. W., M.Sc. (Inorg. and Phys.).
Holliday, A. K., B Sc. Leeds, Ph.D. Leeds (Inorg. and Phys.).
Whalley, W. B., B.Sc , Ph.D. (Org.).
Spice, J. E., B.Sc., M A., D.Phil. Oxon. (Inorg. and Phys).
Mackenzie, J. B. D., B Sc., Ph.D. (Org.). (Brotherton Res. Lectr.).

Meara, M. L., B.Sc., Ph.D. Brist., F.R.I.C. (Indust.).
Turton, Lilian M., B.Sc., Ph.D Birm (Inorg and Phys)

Asst. Lectrs.

Bottomley, G A., B Sc., Ph.D. Leeds (Inorg. and Phys)
Riley, J. P., B.Sc., Ph.D. (Inorg. and Phys).
Dean, F M., B.Sc. (Org).
White, A. G., B Sc. (Inorg and Phys)

Demrs.

Holker, J. S. E., B.Sc. (Org.).
Towers, R., B.Sc. (Org).

Civic Design

Stephenson, G., M.C P. Mass , B.Arch., F.R.I.B.A. Lever Prof
McCaughan, R. E. M., M.A., B.Arch. Sr. Lectr.
Reynolds, Josephine P , B.Arch. Lectr.

Special Lectrs.

Clarke, J. J., M.A. (Law of Housing and Town Planning).
Clark, H. F. (Landscape Design).
Waters, H., M.Eng. (Civic Engin. and Hygiene).
Mellor, T., B.Arch. Leverhulme Res. Fellow.

Classics : Greek

Armstrong, A. H., M A. Gladstone Prof.
Bezzant, Rev. Canon J. S., M A., B.D. Oxon. (Hellenistic Gk.) Hon. Lectr.

Classics : Latin

Walbank, F. W., M.A. Camb. Prof.
Bonner, S. F., M.A. Camb. Sr. Lectr.
Stevens, P. T., M.A. Oxon., Ph.D. Aberd. Lectr.
Townend, G. B., M.A. Oxon. Lectr

Commerce

..... Hd of Dept.
Parkinson, B. B , M Sc. (Econ.), B Com. Lond. Lectr.

Dentistry, v. *infra*

Economic Science, v. also Com.

..... Brunner Prof
Hyde, F. E., M.A., Ph.D. Lond., F R Hist S. Chaddock Prof.
Checkland, S. G., M.Com. Birm Sr Lectr.
Lewy, Eleanor, B Sc.(Econ) Lond. (Ec. Hist) Lectr
Jones, L., B A Wales Lectr
Robertson, W , M.A St. And Lectr
Clayton, G , M A. Camb. Asst. Lectr.
Please, S., B.Sc (Econ.) Lond Asst Lectr.
Marriner, Sheila, M A. Res Asst.
Parker, H R., B A. (Urb Land Econ.) Res. Asst

Education

Porteous, A. J. D., M.A. Edin. and Oxon. Prof.
Brunton, C. E., M.A., M.D., Sc.D. Dub. (Physiol.) Sr. Lectr.
Spence, Margaret E., M A. Brist Lectr.
Wallace, J. E., Mus.D. Durh., F.R.C.O. (Music) Lectr.
Tozer, A. H. D., M.A. Camb. Lectr.
Murphy, J., M.A. Lectr.
Griffiths, J., M.A., F.R.Hist.S. Lectr.
Doran, W., M.Sc. Sp. Lectr.
Moore-Rinvolucri, Mina J., M.A., D. de l'U. Strasbourg Lectr.

Larwood, H. J. C., M.Sc. Durh., M.Ed , F.R.A.S. Lectr.
Edwards, E., M.A. Tor., B.Sc. Wales Sp. Lectr.
Illingworth, Sarah, B.Sc. (Maths.) Sp. Lectr.
Monkhouse, F. J., M.A. Camb. Sp. Lectr.

Teachers

Martin, Ethel S. (Drawing and Art).
Cameron, Elizabeth L. (Writing).
Wigforth, Bertha (Weaving).
Ainsworth, H. (Woodwork) Instr.
Nelson, Mary F., B.A. (Handwork)

Egyptian and Coptic

Fairman, H. W. (Egyptol) Brunner Prof

Engineering, v. *infra*

English Lang. and Philol

Potter, S , M A. Lond , B.Litt. Oxon , Ph D. Prague Baines Prof.
Colledge, E , M.A Lectr.
Bazire, Joyce, M A Leeds Lectr

English Lit.

Martin, L. C , B Litt , M A Oxon. King Alfred Prof.
McIlwraith, A K , M.A , D.Phil. Oxon A. C. Bradley Sr. Lectr.
Davenport, A , M.A. Lectr.
Allott, K C. B , M.A. Durh., B.Litt. Oxon. Lectr.
Croston, A. K., M.A. Camb. Lectr.
Davies, R. T., M.A. Oxon. Asst Lectr.
Farris, Miriam, M.A., Ph.D. Asst. Lectr.

Entomology and Parasitology

Gordon, R. M., O.B.E., M.D., Sc.D., F.R.C.P., D.P H. Dub., D.T.M. Dutton and Walter Myers Prof.
Kershaw, W. E , M B , Ch.B. Manc., D.T.M. and H. (Med. Parasitol.) Lectr.
O'Rourke, F J., M Sc., M.B., B.Ch., B.A O., Ph D. (Med. Entomol) Lectr.

Esperanto

Collinson, W. E., M.A. Lond., Ph.D. Buchanan Lectr

Fisheries, v. Oceanography

French

Fletcher, F. T. H., M.A., D.Litt. Birm., D. de l'U. Nancy, Officier d'Académie J. Barrow Prof.
Linskill, J., M.A., D. de l'U. Strasbourg Sr. Lectr.
Knowles, Dorothy, M A. Leeds, D. ès L. Paris, Officier d'Académie Lectr.
Cullerne, A C., M A. Lectr.
Rees, G. O., M.A. Wales Lectr
Villadier, J., Ag. des L. Paris Lectr.
Zaina, Lucrezia A., M.A. Asst. Lectr.
3 French Tutors.

Geography, v. also Geol.

Smith, W., M.A. Rankin Prof.
Monkhouse, F. J , M A. Camb. Lectr.
Wilkinson, H. R., M.A. Lectr.
Neaverson, E., D.Sc., F.G.S. (Geomorphol.) Lectr.
Gresswell, R. K , M A., F R.S.A. Demr.
Lawton, R., B.A. Asst. Lectr.
Learmonth, A. T. A., M.A. Asst. Lectr.
Atkin, C. W., B.A. Tutor.

Geology

Shackleton, R. M., B.Sc., Ph.D. Herdman Prof.
Neaverson, E., D.Sc., F.G.S. Sr. Lectr.

Harper, J. C , M Sc. Lond., Ph.D., D.I.C., F.G.S. Lectr.
Manistre, B E., M.A., F.G.S. Asst. Lectr.

German

Collinson, W. E., M.A. Lond., Ph.D. (also Hon. Lectr. in Comp. Philol.) Prof
Picton, Ænid, B.A Wales Lectr
Wirtz, Erika A., B.A. Reading Asst. Lectr.
Wiener, F. I., M.A. Manc., Dr.Phil. Breslau Asst Lectr
Heydorn, Marianne H. G., Dr.Phil. Hamburg 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

Peers, Prof. E. Allison, M.A. Camb. and Lond., LL.D. Glas. Hon. Lectr.
Lamb, N. J., M.A (Portuguese) Lectr.
Rebelo, L. de Sousa, Lic. en L. (Portuguese) Lectr

Hispanic Studies: Spanish

Peers, E. Allison, M.A. Camb. and Lond., LL.D. Glas Gilmour Prof.
Lara, María V. de, Lic. en F. y L. Madrid Lectr
Triadú, J., Lic. en F. y L. Barcelona Asst. Lectr
Hall, H. B., B.A. Asst. Lectr.

History, Ancient, and Archæol., Classical

Ormerod, H. A , M.C., M.A. Oxon., F.S.A. Rathbone Prof.
Hutchinson, R. W., M.A. Camb., F.S.A., F.R.A.I. C. W. Jones Lectr.

History, Eccl., v. Affild. Instns.

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 , D Phil Breslau (Palæog.) Lectr.
Waller, Elizabeth M. L., B.A. Asst Lectr.
France, R. S., F R Hist.S., F.S.A. (Theory and Practice of Archive Admin.) Sp. Lectr
Turner, J , LL.M. Sp. Lectr.
Halcrow, Elizabeth M., B.A. Oxon. (Cheshire Archives) Temp. Res. Asst.

History, Modern

Thomson, M A., M.A., D.Phil. Oxon. A. Geddes & J Rankin Prof
Routledge, F. J., B.Litt. Oxon., M A , F R.Hist S. Sr. Lectr.
Fozzard, Irene, B A. Oxon. Asst. Lectr.
Rowe, W. J., M.A. Oxon. Asst. Lectr.

Italian

Faithfull, R. G., B.A. Lond. Lectr.

Law, v. also Civ. Design and Engin.

Turner, J., LL M. Q. Vict. Prof.
Davies, D. R. Seaborne, M.A. Camb., LL.B. Wales (Common L.) Prof.
Rankin, A., B.A. Camb., B L. Edin., F.R.E.S. Lectr.
Geddes, W., M.A., LL.M. (Constnl. and Roman L., Priv. Int. L. and Jurisp.) Warr Mem. Lectr.
Vaines, J. Crossley, LL.M. (Personal Property, Evidence, Bills of Exchange, Divorce) Lectr.

McNeill, D B., B C L., M A. Oxon. Lectr. and Tutor.
McCaig, C., F.C.A. (Book-keeping and Trust Accounts) Lectr.
Taylor, A. J. E., LL M. (Local Govt. L.) Lectr.

Marine Biology, etc., v. p. 151

Mathematics, Applied

Rosenhead, L., 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
Daymond, S. D., M.A Oxon., B.Sc. Lond. and Wales Lectr.
Jones, C. W., M Sc., Ph.D Lectr
Plackett, R. L., M A. Camb (Statistics) Lectr.
Gordon, K. C. T., B.Sc. (Statistics) Asst. Lectr
Sowerby, L., B.A. Camb. Asst. Lectr.
Bonnor, W. B., B.Sc., Ph.D. Asst Lectr.
Jackson, T. A. S., M A. Asst. Lectr.
Jacobs, Juliane, B.Sc. Asst. Lectr
Yule, J B., B Sc Temp Asst
Young, A., B.Sc. St. And. Asst. Lectr.
Doodson, A. T., D.Sc., F.R.S. (Analysis of Observations) Hon. Lectr.

Mathematics, Pure

Whittaker, J. M., M.A. Camb., D.Sc. Edin., F.R.S. Prof.
Bradley, F. W., Ph.D. Camb., M.Sc. Sr. Lectr.
Fuchs, W. H. J., B.A., Ph.D. Camb. Lectr.
Batty, Joyce S., M.Sc. Lectr.
Maitland, Barbara J., M.A., Ph.D. Camb. Lectr.

Medicine, v. *infra*

Music

Abraham, G. E. H., M.A., F.T.C.L. James and Constance Alsop Prof.

Naval Archit., v. Engin.

Oceanography

Proudman, J., M A. Camb., D.Sc., F.R.S. Prof.
Daniel, R. J., D.Sc. Leverhulme Sr. Lectr
Bowden, K. F., M.Sc. Lectr.

Parasitology, v. Entomology

Philology, Comparative, v. German

Philosophy

Dorward, A. J., M.A. Edin. and Camb. Prof.
Lewy, C., M.A., Ph D. Camb. Lectr
Clark, Pamela M., M A. Asst Lectr.

Physics

Skinner, H. W. B., M A., Ph.D., F.R.S. Lyon Jones Prof
Frohlich, H., Dr.Phil Munich (Theoretical Physics) Prof
..... (Exper. Physics) Prof.
Roberts, R W., D.Sc. Reader
Le Couteur, K. J., M.A., Ph.D. (Theor. Phys.) Sr. Lectr.

Lecturers

Ablett, R., M Sc., F.Inst P.
Ashmore, A., B Sc. Lond.
Edwards, E., B.Sc. Wales, M A. Tor. (also Educn.).
Holt, J R., B.Sc., Ph D.
Jacob, L., M Sc., Ph.D., H Dip Ed. N.U.I., F Inst P.
Martin, D. G. E., B.Sc.
Parry, G., B.Sc. Lond.
Moore, M. J.
Parbrook, H. D., B.Sc. (Acoustics).
Huby, R., M.A Camb. (Theor. Phys.).
Szigeti, B., Ph.D. (Theor. Phys.).

Asst. Lecturers

Collinge, B., B.Sc.
Green, L. L., M.A., Ph.D.
Willmott, J. C., Ph.D., B.Sc.

Hughes, J., B Sc.
Warren, J. W., M.Sc. Lond.
Chalmers, T. A , B.Sc , Ph D. Lond (Med. Radiol.) Sp Lectr
Thomas, Eluned E., B.Sc. Wales Temp. Demr.

Physiology and Histology

Gregory, R A , D Sc , Ph D George Holt Prof
Hancox, N. M , M.D (Hist) Reader.
Brunton, C. E., M.A., Sc.D., M.D. Dub. (Physiol) Sr. Lectr.
Tozer, A. H. D , M.A. Camb (Norm. Psych to Med. Students) Lectr
Richards, T G , M D. (Physiol) Lectr
Coope, R., B.Sc , M.D , F.R.C.P (Appld Physiol) Lectr
Calma, I., M D Milan (Physiol.) Lectr.
Kruszynski, J., M.D. Wilno (Histol.) Lectr.
Hill, K. J , B.V Sc Asst Lectr
Alexander, Pamela J , M B , Ch B. (Hon Holt Fellow) Demr.

Psychology

Hearnshaw, L. S , M.A Oxon., B.A. Lond. Prof.
Crawford, Agnes, B A. Lond. Lectr
Vidor, Martha, Ph D. (Child Psychol.) Lectr.
Leveson, I , M D., D.P.M. (Abnormal Psychol.) Lectr.
Higham, T. M., M.A. Oxon. Asst. Lectr.
Dixon, Margaret, B.A. Demr.

Russian Hist., Lang. and Lit.

..... Bowes Prof.
Slepchenko, B. S. Pt.-time Tutor.

Social Anthropology

..... Frazer Prof.

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., Ph.D. Lectr.
Castle, Irene M. (Care of Children and Young Persons) Lectr
Silcock, H., M.A. (Soc. Statistics) Lectr
Hall, Mary P., B A. Lectr.
Wilson, N., M A (Pub. Admin) Leverhulme Lectr
Pearson, Frances V. D , D P A Asst Lectr
Verney, D V., M A. Asst. Lectr
Checkland, S. G., M Com Birm. (Pub Admin) Sp Lectr
Jones, L , B A (Pub Admin) Sp Lectr.
Read, Doris B Tutor.
Checkland, Edith O. A , B A. Birm (Pub. Admin) Tutor.
Scott, W H , B A (Pub. Admin) Tutor
Robertson, W , M.A (Pub Admin) Sp Lectr. and Tutor.
Deed, Dorothy M. (Pract. Work) Sp Tutor.

Sr. Research Workers

Woodward, Joan, M.A. Durh.
Frost, Rosemary, B.Sc. (Econ.) Lond.

Research Workers

Wright, Joan A., B.A.
Chisholm, Mary V. J.
Mitchell, G. D , B.Sc. (Econ.) Lond.

Jr. Research Workers

Richmond, A. H., B.Sc. (Econ.) Lond.
Mumford, Enid M., B.A.
Epstein, Zahava.
Wright, Brenda.
Gibbons, A. Margaret, B.A.

Spanish, v. Hispanic Studies

Vet. Science

Wright, J. G., M.V.Sc., F.R.C.V.S. (Vet. Surg) Prof.
Glover, R. E , M A., F R C V S (Vet. Path) Prof.
White, E. G., B.Sc (Vet. Sci.), Ph D Lond., F R.C V.S (Vet Prev. Med.) William Prescott Prof.
Davies, G O., D.V Sc , D V.H. Reader
Hughes, H. V., B.V Sc., D V H. Sr Lectr
Isherwood, R , M V.Sc. (Vet. Med.) Sr Lectr
Shuttleworth, A. C , M.V.Sc , F.R C V S. (Vet Surg.) Sr Lectr.
King, J O L., B Sc Agric , M.V.Sc. (Animal Husbandry) Sr. Lectr
Dransfield, J. W., M V.Sc. Lectr
Jennings, A R , B V Sc (Vet Path) Lectr
Soltys, M. A., B.V.Sc , Dr Med. Vet , Ph D (Vet Path.) Lectr.
Griffiths, R. B. (Vet. Parasit.) Lectr.
Elam, C W , D V H. (Animal Management) Lectr.
Kelly, W. R. (Farm Animal Med) Lectr.
Garner, R. J., M.A. (Vet Biochem.) Lectr.
Singleton, A. G., B.V.Sc. (Vet. Phys.) Lectr
Jordan, W J , B Sc. Edin. (Farm Animal Med. and Surg.) Asst. Lectr.
Mills, Susan, B.V.Sc. (Vet. Bact.) Asst. Lectr

Welsh, v. Celtic

Zoology, v. also Entom., Ocean., Parasit.

Pumphrey, R. J., M.A., Ph.D., Sc.D. Camb., F R.S. Derby Prof.
Burfield, S. T., M A. Camb., M.Sc., F.L.S. Sr. Lectr.
Bisbee, Ruth C., M.Sc., F.L.S. Lectr.
Fordham, Mahalah G. C., M.Sc. W. Aust. Lectr.
Jones, J. W., B Sc., Ph D , F L S. Lectr.
Hynes, H B. N., B Sc , Ph D. Lond., F R E.S (Freshwater Zool) Lectr.
Herdman, E. Catherine, M.Sc. Hon. Lectr.
Smith, C. L., B.Sc , Ph D. (Experimental Zool.) Lectr
Jones, I. Chester, B Sc , Ph D., F L S Lectr.

Marine Biological Station, Port Erin

Colman, J. S , M A Oxon. Director.
Bruce, J. R , M Sc Lectr.
Jones, N S , M.Sc , F.L.S Lectr
Smith, W C Curator.
Williamson, D. I., B Sc (Mar. Zool.) Asst. Lectr.
Lodge, Sheila M , B.Sc (Mar. Algol) Asst Lectr
Bowers, A B., B.Sc. (Fisheries) Asst Lectr

Engineering

Civil Engineering

Batson, R G , M Eng., F K C. J. W. Hughes Prof.
Hitchens, A. P., B.Eng. Lectr.
Nesbitt, H. G., B Eng. Lectr.
Waters, H., M.Eng. Lectr.
Reed, C. D., M.Eng. Lectr.
Proudlove, J. A., B Eng. Asst. Lectr.

Dock and Harbour Engineering

Wilton, T. R., M.A. Camb. Assoc. Prof.

Electrical Engineering

Teago, F. J., D.Sc. Durh. (Electrotechnics) Rankin Prof.

Meek, J. M., D Eng., F.Inst P. (Electronics) Jardine Prof.
Craggs, J. D., M.Sc., Ph.D. Lond., F.Inst.P. (Electronics) Sr. Lectr
Durnford, J., B.Sc. (Eng.) (Electronics) Lectr.
Brookes, R. C, B.A. Camb (Electro-technics) Lectr.
Prime, H. A, B.Sc. Manc. (Electronics) Lectr.
Edels, H., B.Sc. (Tech) (Electro-technics) Lectr.
Leathlean, S. W B, M.Sc. (Eng.) (Electro-technics) Lectr.
Hardy, D. R., M.Sc. (Eng.) Lond. (Electro-technics) Lectr.
Carter, A. O, M Eng (Electro-technics) Lectr
Heppell, H K., B.Eng. (Electro-technics) Asst. Lectr.
Leck, J. H, M Eng (Electronics) Asst. Lectr.

Fluid Mechanics

..... Prof.
Mobbs, F. R, M.Sc Leeds, D.I C Asst Lectr.

Law, Engineering

Gordon, C G S, J.P., LL.B. Lectr

Marine Engineering

The Prof. of Mech. E.
The Prof. of Nav. Arch.

Mechanical Engineering

Kearton, W. J., D.Eng. Harrison Prof.
Cole, E. B., M.Sc. Brist. Lectr.
Smith, G., B.Sc. (Eng.) Lectr.
Calvert, N. G., B.Eng., Ph.D. Lectr.
Walshaw, T. D., B.Sc. (Eng.) Lond. Lectr.
Taylor, D. B. C., M.Sc., Ph.D. Lectr.
Elliott, D. E., B.Sc. Manc. Lectr.
Meyer, M. L., B.Sc., Dipl. Ing. Lectr.
Emery, D. W., M Sc. (Eng.) Lond. Asst. Lectr.
Miller, W. Lab. Super.
Pullen, W. G. (Metal Work) Instr.
Ainsworth, H. (Pattern Making) Instr

Metallurgy

..... Wortley Prof.
Kennett, S. J., B.Sc., Ph.D., D.I.C., F.I.M. Lectr. in charge.
Owen, W. S., M.Eng. Lectr.
Parr, J. G, B.Sc. Leeds Asst. Lectr.

Naval Architecture

..... Alex Elder Prof.
Wilson, J. C. M., M.Eng. Lectr. in charge.
Smith, R. Munro Lectr.

Medicine

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

Anæsthesia

Gray, T. C., M.D., D.A., F.F.A.R.C.S. Reader.
Prime, F. J, M.B., B S. Lectr.
Rees, G. J., M.B., Ch.B., D.A. Demr.

Bacteriology

Downie, A. W., M.D., D.Sc. Prof.
Robinson, D. T., M.Sc. Manc., Dipl. Bact. Manc. Assoc Prof.
Macdonald, A., M.A., M.D. Aberd. Reader.
McCarthy, K., M.B., Ch.B. Lectr.
McEntegart, M. G, M D. 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., M.D., Ph.D., F.R.C.P., D.P.H. Lectr. and First Asst.

Derham, R. L. J. S., M.B., Ch.B. Brist., D.C.H., D.P.H.
Second Asst.

Clinical Pædiatrics

Lecturers

Capon, Prof. N. B., M.D., F.R.C.P.
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.

Asst. Lectrs.

Farquhar, H. G., B.A., B.M., B.Ch. Oxon.
Forshall, Isabella, M B., B.S Lond., F.R C.S Ed.
Hay, J D, M A Camb., M.D, D C H. (Visiting Pædiatric Physician).

Clinical Preventive Pædiatrics

Lecturers

Bell, Ruby E., M B, Ch B, D P.H.
Gamlin, R, M A., M B., B.Ch, M Hyg, D P H

Cytology, v. Physiol. and Histol.

Dermatology

Bamber, G. W., B.A., M D. Camb., F.R.C.P. Lectr. in charge

Diseases, Infectious

Christie, A. B., M.A., M.D. Aberd., D P.H. Lond. Lectr.

Diseases, Venereal

Ross, A. O. F., M.D. Edin., D.P.H. Lectr.

Forensic Medicine and Toxicology

Grace, W. H., B.Sc. Syd., M.D., D.P.H. Lond., F.R.C.P. Lectr.

Laryngology

Forster, H. V., M.C., M.Sc., M.B., Ch.B., F.R.C.S. Lectr. in charge.

Materia Med., Pharmacy, Pharmacol. and Genl. Therap.

..... Prof.

Brookfield, R. W., Ph.D., M.D., D.P.H., F.R.C.P. (Therap.) Lectr.
Roberts, J. B., M.B., Ch.B. (Pharmacol.) Lectr.

Medicine

Cohen, Sir Henry, J.P., M.D., F.R.C.P., F.F.R. Prof.
Chamberlain, E. N., M.Sc., M.D., F.R C P Sr. Lectr, Clin. Med. Lectr. and Lectr. in Medicine for Dental Students.
Thomas, O F., D P.H. (Clin. Tuberculosis) Lectr.

Lectrs in Psychological Med

Barton Hall, S., M.D, D P M Lectr in charge.
Hopkins, F., M.D Belf.

Lectrs. in Pre-Clinical Med. and Asst. Lectrs. in Clin. Med.

Baker-Bates, E. T., M.D.
Jones, E. Wyn, M.D., D.P.H, F R C.P. (also Clin Med Lectr. to Dental Students).
Sanderson, G, M.D.
Clarke, C. A., M.A., M D. Camb.
Hughes, R. R, M.D.
Jones, A. T., M.D, D.P.H.
Sutton, W. S., M.B., Ch.B.

Lectrs. in Clin. Med

Ellis, G. R, M.A., M.D. Camb
Coope, R, B.Sc., M D., F.R.C.P.
Brookfield, R. W., Ph.D., M.D., D.P.H.
Cunningham, L., M.A., M.B., B.Ch. Camb., F.R.C.P.
Pemberton, H. S., M.B., Ch.B., F.R.C.P.
Evans, R. M., M.A., M.B., B.Ch. Camb.
Asst. Lectr. in Clin. Med.

Obstetrics and Gynæcology

Jeffcoate, T. N. A., M.D., F.R.C.S.Ed., F.R.C.O.G. Prof. & Clin. Lectr.

Bender, S., M.D., F.R.C.S.Ed. Lectr. and First Asst.

Gemmell, A. A., M.A., M.D. Camb., F.R.C.S.Ed., F.R.C.O.G. Lectr. and Clin. Lectr. in Obstet. and Gyn.

Hamilton, C. J. K., M.A., M.B., B.Ch. Camb., F.R.C.S.Ed. (Obstet. and Gynæcol.) Clin. Lectr.

Lister, Ursula M., M.D. Lond. Non-resident Tutor in Gynæcol.

Jones, E. Parry, M.B., B.S. Lond. Resident, Liv. Maternity Hospital.

Bruce, M. B., M.B., Ch.B. N.Z. Resident Tutor in Obstet. Mill Road Infirmary.

Malpas, P., Ch.M., F.R.C.S., F.R.C.O.G. (Obstet. and Gynæcol.) (Clin. Lectr.

Datnow, M. M., M.D., F.R.C.S.Ed., F.R.C.O.G. (Clin. Obstet. and Gyn.) Lectr.

Lennon, T. E., M.D. (Clin. Obstet.) Asst. Lectr.

Ophthalmology

Reid, A. McKie, M.C., T.D., M.B., Ch.B., F.R.C.S., D.O.M.S. Lectr. in charge.

Pathology

Sheehan, H. L., M.D., D.Sc. Manc. Holt Prof.

Cruickshank, A. H., M.D. Aberd. Sr. Lectr.

Nairn, R. C., M.D. Lectr.

Davis, J. C., M.B., Ch.B. Lectr.

Moore, H. C., M.D. Lectr.

Strawbridge, H. T. G., M.B., Ch.B. Edin. Lectr.

Clinical Pathologists

Black, T., M.B., Ch.B. Edin.

Evans, R. W., B.Sc.

St. Hill, C. A., M.B., Ch.B. Brist.

Whitwell, F., M.B., B.S. Lond.

Asst. Clinical Pathologist

Alexander, J. G. U. O., M.B., B.S. Lond.

Summers, V. K., M.D. Res. Asst.

Pharmacology and Genl. Therap., v. Mat. Med., etc.

Public Health

Frazer, W. M., O.B.E., M.D., M.Sc., D.P.H. Prof.

Semple, A. B., M.D., D.P.H. Glas. (Pub. Health Admin.) Lectr.

Thomas, O. F., D.P.H. (Tuberculosis) Hon. Lectr.

Radio-diagnosis

Whitaker, P. H., M.B., Ch.B., 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.

Walker, Norah M., M.B., Ch.B. Manc., D.M.R.E.

Holden, W. S., M.B., Ch.B., D.M.R.E.

Fraser, A. M., B.A., M.Rad. Res. Asst.

Radiotherapy

Fulton, J. S., C.B.E., M.D. Edin., F.R.C.P.Ed. Lectr.

Fraser, D. M., M.B., Ch.B., D.M.R.E.

Stewart, M. A., M.B., Ch.B. N.Z., D.M.R. Lond.

Cowell, Mary A. C., M.D., D.M.R. Hon. Asst. Lectrs.

Surgery

Wells, C. A., M.B., Ch.B., F.R.C.S. Prof.

McFarland, Bryan L., M.D., M.Ch. Orth., F.R.C.S.Ed. Dir. of Orthopædic Studies, and Clin. Orthop. Surg. Lectr.

Osborne, G. V., M.B., Ch.B., M.Ch. Orth , F R.C.S. (Orthop.)
Lectr and Asst. to Director.

Shepherd, J. A , M.D. St And.
Lectr. and Asst. to Prof.

Kerr, A S , M B , Ch.B , F.R C S. Lectr.

Oldham, J B , M B , Ch B , F R.C.S
Lectr. and Clin. Surg. Lectr.

Ross, J. Cosbie, Ch.M., F R.C.S.
Lectr. and Clin Surg. Lectr

Reid, H., M.B., Ch.B , F R.C S.
Lectr and Clin Surg. Lectr

Lehane, D., M.B., B.Ch. N.U.I. (Haematol) Hon. Lectr

Edwards, F. R., M.D., Ch.M., F R C S (Thoracic Surg)
Asst Lectr and Hon Asst Clin Lectr

Hughes, J Howell, M D., Ch M , F R C S.
Lectr (Surg Pathol) and Asst Lectr (Clin Surg)

Davies, H. Morriston, M.A., M.D., M.Ch Camb , Ch M , F R.C.S. (Clin. Thoracic Surg)
Hon Lectr

Doyle, R., M.B., Ch.B., F.R.C.S.
Lectr (Pre-Clin. Surg) and Asst Lectr (Clin Surg)

Dwyer, F. C , M B., Ch B. Cape T , M.Ch. Orth., F.R.C S. (Pre-Clin Surg., Clin. Orth. Surg.) Lectr.

Hunter, W. R , Ch.M., F.R.C.S.
Lectr (Pre-Clin. Surg.) and Asst. Lectr. (Clin Surg).

Roaf, R., M.A., B.M., B.Ch. Oxon., M.Ch. Orth., F.R.C.S.
Lectr. (Pre-Clin. Surg.) and Asst Lectr. (Clin. Orthop. Surg)

Wardle, E. N., M.B., Ch.B., M Ch. Orth., F R.C.S
Lectr (Clin Orthop. Surg.) and Lectr. (Pre-Clin. Surg.).

Kennon, R., M C., M.D , F.R C.S. (Clin. Surg) Lectr.

Roberts, N W , M.B , Ch B , M Ch Orth , F R C S (Clin. Orthop. Surg) Lectr.

Hawe, P R , Ch M , F R C S (Clin. Surg.) Lectr.

Unsworth, S. V., M.B., Ch.B., F R C S (Clin. Surg) Lectr

Beattie, W. M., M A , M.Ch. Camb , F.R C S.
Lectr (Pre-Clin. Surg) and Asst Lectr (Clin. Surg)

Thomas, G. E., M B., B S Lond., M.B , Ch B , M.Ch. Orth , F R C S Ed.
Lectr (Pre-Clin Surg) and Asst Lectr (Clin. Orthop Surg.)

Bennett-Jones, M. J., Ch M , F.R.C S. (Clin. Surg.) Asst. Lectr.

Brewer, A. C., M.B , Ch B., F.R C S
Asst. Clin Lectr and Lectr. (Clin. Surg. to Dental Students).

Evans, F. I , M C , M B E., M A., M B , B Ch. Camb , F.R C S. (Clin. Surg.) Asst. Lectr.

Moroney, P. B., V.D., M B , Ch B , M Ch. Orth., F R C.S. (Clin. Orthop. Surg) Asst. Lectr.

Silverstone, M., Ch.M , F.R.C.S. (Clin. Surg) Asst. Lectr.

Welbourn, R. B., B.A., M.B., B.Chir. Camb , F.R.C.S. Res Asst.

Hughes, J. R., M D., M Ch. Orth., F.R.C.S.Ed. (Orthop. Surg.) Res Asst

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.T.M & H. Lectr.

Tropical Medicine

Maegraith, B. G , M.B., B.S. Adel., B.Sc., D.Phil., M.A. Oxon.
A. Jones Prof.
Adams, A. R. D , M D , D.T.M
Sr. Lectr.
Andrews, W. H. H., M.A., B.M., B.Ch. Oxon. Lectr.

Vaccination, v. Public Health

Dentistry

Stones, Prof. H. H., Director of Dental Education (*v.* also D. Surg.).

D. Anæsthetics

Halton, J., M.B., Ch.B., D.A.
Lectr.

D. Metallurgy, v. Metall. *supra*

D. Prosthetics and Mechanics

Watt, G. V., L.D S.
Supervisor and Sr Lectr.

D. Surgery, D. Pathology, D. Bacteriology

Stones, H. H., M.D., M.D.S. Manc., F.D.S.R.C.S.
Cohen Prof.
Lawton, F. E., B.D.S. (Operat. D. Surg.) Lectr.
Slack, G. L,, O.B.E., D.D.S. Chicago, L.D.S. (Preventive Dentistry) Lectr.
Hartles, R. L., B.Sc., Ph.D. (Biochem. D. Surg.) Lectr.
Farmer, E. D., B.D.S. (Parodontal Diseases) Lectr.
Myers, G. E., B.D.S. (Oper. D. Surg.) Lectr.
Mumford, J. M., L.D.S. (Conserv. D. Surg.) Lectr.

D. Surgery, Clin.

Griffith, E. W., F.D.S.R.C.S.
Lectr.
Neubert, E. W., L.D.S. Lectr
MacPhee, G. G., M.A., M D., F.D S.R.C.S. Lectr.
Lyall, G. L , L.D S Lectr.
Fairhurst, R., B D S., M.B , Ch B
Lectr.
Blamire, A., L.D.S. Asst. Lectr.
Drake, A. F., B.D.S.
Asst Lectr. and Hon. Curator of Museum.
Harrison, F. E., L.D.S.
Asst. Lectr.

D. Surgery, Operative

Collinge, J. S. H., F.D.S.R.C.S.
Lectr. and Clin. D Surg. Lectr
Andrews, Joyce M., L D S.
Asst. Lectr.

Odontology

Guyler, T. W. C., B.D.S.
Lectr. and Asst Clin. D. Surg. Lectr.

Orthodontics

Softley, J W., B D S.
Lectr. and Clin. Instr. and Asst. Lectr. (Clin. D. Surg.).
Burston, W. R., L.D S. Lectr.

Radiology

Rubin, E. L., M.D., D.M.R.E., F.F.R.

Physical Education

Dunn, R. E., B.Sc. Lond. Lectr.
Stevenson, Shina (Women Students) Lectr.

Shute Lecturer (Art of the Theatre)

1949–50—Peter Ustinov.

Forwood Lecturer (Philosophy of Religion)

. . . . . .

William Mitchell Banks Memorial Lecturer
(Surgery—every 2nd yr.)
1950 — Sir James Learmonth, K.C.V.O., C.B.E., Ch.M., LL.D., M.D., F.R.C.S.Ed.

Lady Jones Lecturer (Orthopædic Surg.—every 2nd yr.)

.....

Sydney Jones Lecturer (Art)
1950—J. N. Summerson, B.A., F.S.A.

University Extension

Director of Extra-mural Studies
T. Kelly, M.A. Manc.

Asst. Director
Jones, H. A., M.A. Manc.

Staff Tutors
Burr, J., M.A. (History).
Husain, B.M.C., M.A. (Geog.).
Wright, R. R., M.A. Durh. and Camb. (English Lit.).
Jones, A. (Staff Tutor and Librarian).

Joint Secs. to the Jt. Cttee. on Tutorial Classes
F. Garstang, M.A.
T. Kelly, M.A. Manc.

ADMINISTRATIVE STAFF

Chief Clerk of the Academic Dept.—W. H. Wilson. Chief Clerk of the Administrative Dept.—E. McKie. Clerk of the Fabric—A. T. Westrope. Asst. Finance Officer—W. Glynn Williams. Sec. to the Vice-Chancellor—Beatrice F. Kay. Sec. to the Registrar—Mrs. Marion Campbell.

ASSOCIATED AND AFFILIATED INSTITUTIONS

LIVERPOOL OBSERVATORY AND TIDAL INSTITUTE. Observatory est. 1845, Tidal Institute, 1919. Administered by a Joint Committee representing the Univ. Council and the Mersey Docks and Harbour Board. Director, A. T. Doodson, D.Sc., F.R.S.

ST. AIDAN'S COLLEGE, Birkenhead. Principal, Rev. W. M. F. Scott, M.A. Oxon. Certain courses (not given in the Univ.) are recognized as Univ. courses in part for the ordinary degree of B.A. Recognized Teacher in *Eccl. Hist.*, Dixon, Rev. J. W., M.A.

EDGE HILL TRAINING COLLEGE, Ormskirk. Principal, Margaret I. Bain, M.A., D. de l'U. Paris.

TRAINING COLLEGE OF NOTRE DAME, Mount Pleasant. Principal, Mildred M. Canavan, B.Sc.

CHESTER DIOCESAN TRAINING COLLEGE. Principal, Rev. Canon H. Stanley Astbury, M.C., M.A. Camb. Recognized Teachers: Pickup, E., B.A. (in *French*); Bradbury, J. L., M.A. (in *Engl.*); Stephens, J. S., B.A. (in *Geog.*); Hooper, F. W., B.Sc. (in *Chem. and Physics*); Lewis, W. E., M.A. (in *Maths.*).

THE HARRIS INSTITUTE, Preston. First year of Degree Course (Engineering).

SCHOOL OF TROPICAL MEDICINE, Pembroke Place, Liverpool. Ward for Tropical Diseases at Royal Infirmary, Liverpool. Research lab. at Sierra Leone (closed during the War and not yet re-opened). For training in the conduct of original research and organization of prophylactic measures. Has sent numerous expeditions to tropical countries. Publishes *Annals*. For staff, v. *supra*—Trop. Med., Trop. Hygiene, Parasit., Entom., Chemotherapy. D.T.M. and H., 6 mos.' course.

PATHOLOGICAL LABORATORY, County Mental Hospital, Rainhill.

FACULTY OF MEDICINE: 25 general and special hospitals are affiliated for the purpose of clinical or practical work required for degrees and diplomas in the Fac. of Medicine.

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.

LIBRARY. The library of the Univ. contains over 300,000 vols. The most important collections received by gift or bequest are those of Thomas Glazebrook Rylands (1900), rich in early geography, astronomy, mathematics and British local history; 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 manuscripts, including an important text of *Piers Plowman*, and about 250 incunabula. Special bibliographies have been issued. In addition there are numerous Class Libraries in the Fac. of Arts and a Departmental Library of Music.

The following are the principal MUSEUMS AND LABORATORIES: Mathematical Institute, Anat., Archæol., Archit., Bact., Biochem, Bot., Chem., Physical and Electro-Chem., Elect. Engin., Embryol. and Genetics, Engin., Geol., Public Health, Child Health, Laryngology, Materia Medica, Med., Trop. Med. (including museum, animal houses, and specially warmed glass insectarium, and research labs. at Liverpool and Sierra Leone), Chemotherapy, Obst. and Gynæc., Oceanog., Ophth., Path., Physics, Physiol. and Histol, Radiodiagnosis, Radiotherapy, Surg. Path., Tidal Research, Toxicology, Vet. Anat. and Path., Vet. Hosp. in Liverpool and a Vet. Field Station and Hosp. in Wirral, Zool. The Port Erin (Isle of Man) Marine Biol. Lab. 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 research at prescribed fees.

FACULTIES. (1) Arts, with Schools of Archit., Archæol. and Oriental Studies, Social Sciences and Administration (including Economics, Commerce, Geography, Social Science), Local History and Records, Russian Studies, Hispanic Studies and Departments of Civic Design and Educn.; (2) Science (with Liverpool Observatory and Tidal Institute and Port Erin Marine Biological Station); (3) Medicine (with Schools of Dent. Surg., Public Health, Trop. Med., Vet. Sc); (4) Law; (5) Engineering. *Deans*: (1) Prof F. E. Hyde (Econ. Sc.), (2) Dr. R. O. Griffith (Physical Chem.), (3) J. T. Morrison, (4) Prof. D. R. Seaborne Davies (Common Law), (5) Prof. W. J. Kearton (Mech. Eng.). Director of Dental Educn., Prof. H. H. Stones (Dent. 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 the 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 Faculty. Honours 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. 16. Faculty of Arts: Litt.D.—On published contributions to learning, after report, upon Masters of Arts after 7 yrs. from date of admission to the 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.' research work. 2 yrs.' directed study after Ord. B.A., B.Com., or B.Arch. (Ord. or Hons) and dissertation with or without examn. Other graduates or candidates who have passed a final degree examn. eligible under certain conditions after 2 yrs.' higher study. Other approved candidates, 3 sessions. 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 graduates eligible under certain conditions after 2 yrs.' higher study. Faculty 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. Faculty of Science: D.Sc.—On published contributions to Science, after report; candidates to be graduates of Liverpool of not less than 6 yrs.' standing. M.Sc—Hons. B Sc., 3 complete terms' higher study or research; other grads., a prescribed preparatory course and passing an examn. Subsequently, 3 terms' higher study or research. Other persons may, in special circumstances, be accepted under certain conditions. Faculty 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. 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. Faculty of Engineering: D.Eng.—On published contributions to Engin., after report on Masters of Engineering or Doctors of Philosophy (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 examination and thesis. Other approved candidates 3 yrs. with examn. and thesis.

DIPLOMAS. Archæol., open to grads. of Liverpool or other approved Univ. Two sessions and examn.; Civic Design, 1 yr. after Certif. in Civic Design with prescribed study and examn. Others suitably qualified admitted; Educn., 1 yr. for graduates or candidates who have passed final degree examn.; Public Admin., 3 yrs., 2 yrs. or 1 yr. according to qualifications of candidates; Study of Records and Admin. of Archives, 1 yr. for full-time students, 2 yrs. for others; 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. Postgraduate medical and veterinary diplomas. D.P.H., 1 yr.; D.M.R. (D. or T.), 2 yrs.; D.T.M. and H., 6 mos.; D.V.H. (Vet. Hyg.), 6 mos.

CERTIFICATES. Archæol., 1 yr.; separate Arts subjects, 2 yrs.; Civic Design, Autumn and Lent Terms of 2 yrs.; Social Science, 1 or 2 yrs.; Educn., 1 yr. for graduates and others suitably qualified; Care of Children and Young Persons, not less than 12 mos.; Public Health, 1 term; Engin., 4 yrs. (3 yrs. for approved candidates); University Extension courses, 1 yr.

FEES. Guild of Undergrads., £4 : 4s. 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; 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.), £270 : 10 : 6; M.D. (sessional), £10; Ch.M. (2 yrs.), £60; M.Ch.Orth. (15 mos. or 12 mos.), £80 or £70; B.D.S. (5 yrs. 2 terms), £306; M.D.S. (2 or 3 yrs.), £22; B.V.Sc. (5 yrs.), £210; M.V.Sc., 1st yr., £20, 2nd yr., £10; LL.B. (3 yrs.), £35 : 14s. or £49 : 14s.; 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 candidates taking Research and degrees with research (Sc., Med., Eng., except Maths.), £10. DIPLOMA COURSES: Educn. (1 yr.), £35; Archæol. (2 yrs.) £15 per session; Public Admin. (3 yrs.), £30; Study of Records and Admin. of Archives, (1 or 2 yrs.), £30; Dipl. in Radiol. (1 yr. 9 mos.), £63; D.P.H. (1 yr.), £60; D.T.M. and H. (6 mos.), £42; Approved courses for extern. degrees, £21; Postgrad. courses requiring special facilities, £50 p.a.; L.D.S Liv., £251; D.V.H. (6 mos.), £21; Eng., 1 yr. after taking Certif. in Engin., £48 per session. CERTIFICATE COURSES: Civ. Des. (2 terms of two sessions), £10; Soc. Science, 1st yr., £25; 2nd or 3rd yr., £25; course in 1 yr., £30; Archæol. (1 yr.), £15; Educn. (1 yr.), £35; Care of Children and Young Persons (not less than 12 mos.), £35; Engin., 3 or 4 yrs. at £48 per session. Separate Arts Subjects: as for separate courses.

EXAMN. FEES. M.B. and Ch.B., £22 : 1s.; B.D.S., £25 : 4s.; B.V.Sc., £19; B.Arch., £7 : 10s.; B.Eng., £5 or £7; other Bachelor degrees, £5 or £6., Master's degree (examn. or on application), Ch.M., M.Ch.Orth., £10 : 10s.; on Rad., £5; M.D.S., £10 : 10s.; M.V.Sc., £5; others, £4; M.Sc., qual. examn., £2; Doctor's (examn. or on application), Ph.D., £10; M.D., £10 : 10s.; others, £10. Diploma examns., L.D.S., £19 : 19s.; Archæol., £3; Public Admin., £1; Civic Design, £1 : 10 : 6; Educn., £2; Study of Records and Admin. of Archives, £3; Eng., £3; D.P.H., £10 : 10s.; D.M.R. (D. or T.), £10 : 10s.; D.T.M. and H., £6 : 6s. Certif. Examns., Eng., £5; Public Health, £5 : 5s.; Care of Children and Young Persons, £2; 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.Sc., LL.M., M.Eng., £7 or £6; M.Arch., £6; Ch.M., M.Ch.Orth., M.Rad., £6 or £5; M.D.S., £10; M.V.Sc., £6 or £5; all Doctors' Degrees: £10 (except Ph.D., £7 or £6, and LL.D., £5). Diplomas and Certificates:

D.P.H., £2 : 2s. ; D.M.R. (D. or T.), £5 : 5s. ; D.T.M. and H., £3 : 3s. ; L.D.S., £2 : 2s. ; Dipl. Eng , £3 ; others, £1 ; Certificate in Public Health, £1 : 1s. ; Certificate in Engineering, £2 ; others, £1. *Note*: The lower figure is charged when a candidate has previously graduated in the University.

POSTGRADUATE FELLOWSHIPS, SCHOLARSHIPS, ETC. A large number of valuable Fellowships and Scholarships are offered annually in all Faculties.

RESIDENCE, ETC. Hall of Residence for Men: Derby Hall, Mossley Hill Road, Liverpool, 18 (Warden: Prof. D. R. Seaborne Davies, M.A., LL.B.), accommodation for 167 students. Halls of Residence for Women: University Hall, Holly Road, Fairfield, Liverpool, 7 (Warden: Margery Knight, D.Sc , F.L.S.), accommodation for 130 students; Rankin Hall, 38-46 Ullet Road, Liverpool, 17 (Warden: Kathleen Gough), accommodation for 112 students. Fees for all three hostels, £90 per session for a single room, £80-£85 per session for a shared room.

ASSOCIATION OF GRADUATES. Besides "Convocation," there is a Liverpool University Society, with mainly social functions.

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.

PUBLICATIONS. *Calendar* (Oct.), 10s. ; *Diary* (Oct.), free to members of the Univ. ; *Prospectuses of Faculties and Schools* (July), *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 ; *Inaugural Lectures*. Issued in 1920, *inter alia*, School of Tropical Medicine Historical Record, 1898–1920, 10s. 6d. ; *A Brief Record of Work and Progress* (1882–1907 ; 1903–28).

THE YEAR 1948–49

BENEFACTIONS. Miss A. L. Bulley, Ness Gardens and £75,000 endowment ; Messrs. J. Bibby & Sons, Ltd., £1250 (£1000—£250 each to the Depts. of Industrial Chem. and Biochem , the Fac. of Engin., and the Vet. Field Station, £250 (per the L.C.S.S.) towards the rehabilitation and refurnishing of the Fac. of Engin.) ; The County Borough of Dudley, £1250 (grants of £500, £250, £250, £250 towards research in the Dept. of Social Science) ; The Exors. of the late T. Pegram, £1000 ; Messrs. Cow & Gate, Ltd , £1000 (third annual grant towards Fellowships in Child Health) ; Messrs. Brotherton & Co., Ltd., £1000 (Dept. of Organic Chem.) ; The Racecourse Totalisator Charity Trust, £1000 in respect of the Research Studentship in Vet. Pathol. ; Messrs. Smith Kline & French, Philadelphia, U.S.A., £800 (towards research in the Dept. of Organic Chem.) ; Messrs. Pilkington Bros., Ltd., £700 (£200 towards the Studentship in Architecture and £500 (per the L.C.S.S.)) ; The Nuffield Foundation, £700 (Social Science) ; Messrs. Imperial Chemical Industries, Ltd., £650 (£400 to the Dept. of Inorganic and Phys. Chem. for the purchase of chemicals and perishable apparatus during Session 1948–49, £250 towards the United Alkali Scholps.) ; The Distillers Company, Ltd., £500 (towards research in the Dept. of Inorganic and Phys. Chem.) ; The Rt. Hon. H. Graham White, £500 (towards the enquiry into the economic cost of theft) ; The Charles Brotherton Trust, £500 (Charles Brotherton Scholps.) ; Mrs. Stella Permewan, £500 (Univ. Library) ; The Exors. of the late W. Nevins, £442 : 1 : 9 (balance of legacy).

NEW BUILDINGS. Two temporary buildings, for the Institute of Mathematics and for the Dept. of Electronics.

CHANGES IN REGULATIONS. Ordinances have been made, amended or repealed dealing with the following matters: Constitution of Facs., Degrees of B.A., B.Sc., M.Rad., M.V.Sc., Ph.D., Diplomas in Architecture, Commerce, Radiol. Certif. in Archit. Design, Testamur in Internat. Relations. Regns. have been made, amended or repealed dealing with the following matters: Degrees of B.A., B.Arch., B.Sc., M.Ch.Orth., M.Rad., B.Eng., M.Eng., Diplomas in Archæol., Archit., Commerce, Public Admin., Radiol., Certificates in Archæol., Archit. Design, Care of Children and Young Persons, Testamur in Internat. Relations, Univ. Fellowships in Arts and Engin., Gladstone Memorial Univ. Postgraduate Studentship, Ramsay Muir Univ. Postgraduate Studentship, Research Univ. Postgraduate Studentship in Arts, Postgraduate Research Studentship in Vet. Parasitol, Spanish Essay Prize, Grotius Prize, Medal in Orthop. Surg., John Owen Memorial Fund.

EXTRA-MURAL WORK. During the Session 1948–49 both the Univ. Extension Board and the Jt. Cttee. on Tutorial Classes catered for a larger number of students than in the previous year. The Extension Board organized 45 courses covering a wide variety of subjects and including 3 residential courses, 14 courses arranged at the request of L.E.A.s, and a number of special courses provided in collaboration with local organizations. In all 1641 students attended Extension Courses during the session, and in addition 67 single lectures were provided for schools and educational organizations. The Joint Committee on Tutorial Classes organized 112 Tutorial Classes with the W.E.A., the total number of students being 1654. The Annual Summer School was again held at Edge Hill Training College, Ormskirk, for two weeks, with 88 students in attendance. A substantial body of work with the services was again provided by the reconstituted Regional Cttee. for Educn. in H.M. Forces.

VISITING LECTURERS. Prof. E. D. Adrian—"Sensory Integration." Dr. F. Ashworth—Electronics. Dr. Astrom—Electronics. Prof S. J. Baker—Geog. Dr. Angel Battistessa—Spanish. Mr. Justice Birkett—Law. Prof García Blanco—Spanish. Prof. Friedrich Blume—"Goethe and Music." Prof. T. Bodkin—"The Theme of the Three Graces" and "International Co-operation in the Fine Arts." Prof. E. G. Bowen—Geog. Dr. R. L. F. Boyd—Electronics. Prof. Choquet—Pure Mathematics seminar. Prof. E. D. Churchill—"On Wounds of the Chest." Prof. Hernaim Cidade—"Camoens." Prof. G. B. Cressey—"China's Prospects" Dr. Elwyn Davies—Geog. John Fernald—"The Artist and his Audience." Prof. P. Geyl—"Napoleon in French Historiography." A. W. de Groot—"Structural Linguists and Syntactic Laws." Dr. W. G. Hoskins—Geog. Dr. T. M. Ling—"Human Relations in Industry." Sr. García Lora—Spanish. Prof. Kemp Malone—"Chaucer." Prof. Austin Miller—Geog. Dr. Eurilio Oribe—Spanish. Prof. H. J. Patton—"Some Thoughts on Religion." Dr. Pedersen—Electronics. Dr. Redfern—Electronics. Dr. S. Rosenblum—Theoret. Physics. Dr. Xavier de Salas—Spanish. Dr. R. Timman—"The Theory of Wing Oscillation." K. W. Todd—Electronics. Dr. F. A. Vick—Electronics. Dr. D. H. Wilkinson—Electronics. Prof. F. C. Williams—Electronics.

RETIREMENTS. Prof. W. Lyon Blease (Law); Prof. A. Bruce Boswell (Russian); Prof. J. H. Orton (Zool., and Dir. of the Marine Biol. Station); Dr. H. Mawson (Sr. Lectr. in Fluid. Mechanics); Harold T. Graham (Sec. for Publications).

RESIGNATIONS. C. P. Adams (Orthodontics), on appt. as Lectr. and Asst. Surgeon in the Orthodontics Dept. of the Eastman Dental Clinic, London;

G H. Arthur (Vet. Med), on appt. to London Vet. Coll. ; A. I. Bowman (Asst. Registrar and Esquire Bedell), on appt. as Asst Registrar, Univ. Coll., Ibadan, B.W.A. ; Dr J. C. Brundret (Clin. Pathol.), on appt. as Sr. Pathologist at Sefton General Hosp. ; Prof. H. C. Darby (John Rankin Chair of Geog.), on appt. to the Chair of Geog. at Univ. Coll., London , R. L. Hartley (Obstet. and Gynæcol.), on appt. as a consultant under the Liverpool Regional Hosp. Board ; L. J. Leggett (Conservative Dental Surgery), on appt. to the Eastman Dental Clinic, London ; Dr. H. T. Levi (Dental Pathol. and Bacteriol.), on appt. as Pathologist to the Liverpool Regional Hosp Board ; Dr. Anne E. McCandless (Child Health), on appt as Consultant Pædiatrician, Warrington ; Mrs. Barbara B. McCombe (Accounting), on entry into private practice ; Dr. W. R. Mead (Geog), on appt. to Univ. Coll., London ; E. Parry (Anat.), on appt. as Med Officer to the Sheikh of Kuwait, Persian Gulf ; Dr. J. Rotblat (Physics), on appt to the Chair of Physics, Med Coll. of St. Bartholomew's Hosp , London ; S. O Stewart (Deputy Librarian), on appt. as Librarian, Univ. Coll. of North Staffordshire ; Miss Mary C Taylor (Physical Recreation and Warden of Rankin Hall), on appt. as Sr. Technical Representative to the Central Council for Physical Recreation ; N. R. Tempest (Educn.), on appt. as Director, Sheffield Institute of Educn.

DEATHS. Miss Christiana Hartley, an Hon Grad. and a generous benefactress to the Univ ; Dr. A E. Hodgson (a former Lectr. in Infectious Diseases) ; The Visc. Leverhulme (Pro-Chancellor, 1933–36, and Life-member of the Court) ; Dr. William Johnson (a former Lectr. in Clin. Med.) ; P E Newberry (Brunner Prof. of Egyptol. 1906–19) ; Sir Bernard Pares (Bowes Prof of Russian Hist., Lang and Lit , 1908–17) ; Walter Peel (an Hon. Grad.) ; Councillor Edwin Smith (a member of Council).

HONORARY DEGREES. *LL D.*—Rt Hon Oliver Stanley, Sir Harold Bell, Mr Winston Churchill, Sir Stafford Cripps, Lord Derby, Prof. Sir Robert Robinson, Visc Samuel, Lord Justice Singleton, Lord Webb-Johnson.

STUDENTS Full-time : 3314, including 331 graduates ; pt.-time : 428, including 252 graduates.

DEGREES. B A. Hons. in Special Studies, 80 ; B.A. Hons. in General Studies, 7 ; B.A. Special Studies, 3 ; B.A General Studies, 60 ; B.A. (War Service), 1 ; M.A , 25 ; B.Arch. Hons., 19 ; B Arch. Ord , 28 ; Ph D. (Arts), 3 ; B.Com. Ord., 19 ; LL.B. Hons., 42 ; LL.B. Ord., 12 ; B.Sc. Hons., 67 ; B.Sc. Ord , 88 ; B Sc. (War Service), 1 ; M Sc., 8 ; Ph D. (Science), 28 ; D.Sc., 2 ; B Eng Hons , 39 ; B Eng Ord , 56 ; M.Eng., 15 ; Ph D. (Engin.), 3 ; M.B., Ch B Hons., 3 ; M.B , Ch B Ord , 62 ; M Ch.Orth , 22 ; M.D., 13 ; M.Rad., 9 ; B.D.S. Ord., 3 ; B.V.Sc. Ord., 17 ; M.V.Sc., 2.

UNIVERSITY OF LONDON

Founded 1836

The Senate House, London, W.C.1.
Telegraphic address: University, London.
Telephone: Museum 8000.

VISITOR—H M. THE KING IN COUNCIL

CHANCELLOR—The Rt. Hon. THE EARL OF ATHLONE, K.G., P.C., G.C.B., G.C.M.G., G.C.V.O., D.S.O., LL.D., D.C.L., F.R.S.

VICE-CHANCELLOR—Professor LILLIAN M. PENSON, D.Lit. Belf., LL.D. Camb., Ph.D.

CHAIRMAN OF CONVOCATION—P. DUNSHEATH, C.B.E., M.A. Camb., D.Sc. (Eng.).

CHAIRMAN OF THE COURT—The Rt. Hon. Sir NORMAN BIRKETT, M.A., LL.B. Camb.

PRINCIPAL—D. W. LOGAN, D.Phil., M.A., B.C.L. Oxon.

CLERK OF THE COURT—J. R. STEWART, M.A. Durh.

SECRETARY TO THE SENATE—J. HOOD PHILLIPS, M.A. Oxon.

ACADEMIC REGISTRAR—J. HENDERSON, M.A., B.Sc. Edin., Ph.D.

EXTERNAL REGISTRAR—L. E. BALL, O.B.E., B.Sc.

DIRECTOR OF DEPARTMENT OF EXTRA-MURAL STUDIES—A. MCPHEE, M.A., B.Com. Edin., Ph.D.

SECRETARY TO THE MATRICULATION AND SCHOOL EXAMINATIONS COUNCIL—J. G. JENKINS, M.A., B.C.L. Oxon.

GOLDSMITHS' LIBRARIAN—J. H. P. PAFFORD, M.A., F.L.A.

SUPERINTENDENT OF EXAMINATIONS—R. B. P. WALLACE, M.A., LL.B. Camb.

ACCOUNTANT—A. B. WATERFIELD, B.A.

MAINTENANCE OFFICER—J. H. JAMES.

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."

SCHOOLS AND INSTITUTIONS

For the convenience of readers these have been divided in the following reference list into University Departments; 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 Departments

Courtauld Institute of Art (p 179).
Institute of Advanced Legal Studies (p. 180).
Institute of Archæology (p. 181).
Institute of Commonwealth Studies (p 182)
Institute of Education (p 183)
Institute of Germanic Languages and Literatures (p. 186).
Institute of Historical Research (p 187).
School of Slavonic and East European Studies (p. 188).
University Observatory (p. 190)
Warburg Institute (p. 190).

Non-Medical Schools

Bedford College (for women) (p 191).
Birkbeck College (p. 195).
Imperial College of Science and Technology (p. 198)
King's College (p. 207)
King's College of Household and Social Science (p. 213).
London School of Economics and Political Science (p. 215).
Queen Mary College (p. 221)
Royal Holloway College (for women) (p 224).
Royal Veterinary College (p 227).
School of Oriental and African Studies (p. 229).
School of Pharmacy (p 235).
University College (p 236)
Westfield College (for women) (p 249)
Wye College (p 251).

Theological Schools (pp. 254-255)
*New College
*King's College. Theol. Dept
*Richmond College.
* St. John's Hall.

Undergraduate Medical and Dental Schools

Charing Cross Hospital Medical School (p 256)
Guy's *Hospital Medical School (p. 258).
King's College Hospital Medical School (p. 261).
London Hospital Medical College (p. 264).
Middlesex Hospital Medical School (p. 267).
Royal Dental Hospital of London, School of Dental Surgery (p. 270).
Royal Free Hospital School of Medicine (p 272).
St Bartholomew's Hospital Medical College (p. 275)
St George's Hospital Medical School (p 278)
St Mary's Hospital Medical School (p. 280).
St. Thomas's Hospital Medical School (p. 283).
University College Hospital Medical School (p. 286).
Westminster Medical School (p. 289).

Postgraduate Medical Schools

British Postgraduate Medical Federation (p. 291) :—
Postgraduate Medical School of London (p. 294).

* Not in receipt of U.G.C. grants.

British Postgraduate Med. Fed (contd.)—
- Institute of Psychiatry (p. 294).
- Institute of Laryngology and Otology (p 295)
- Institute of Child Health (p 295).
- Institute of Ophthalmology (p. 295).
- Institute of Obstetrics and Gynæcology (p. 296).
- Institute of Diseases of the Chest (p 296).
- Institute of Cardiology (p. 297).
- Institute of Dermatology (p. 297).
- Institute of Orthopædics (p 297)
- Institute of Urology (p. 297).
- Institute of Dental Surgery (p. 298).
- Institute of Neurology (p. 298).

London School of Hygiene and Tropical Medicine (p. 299).

---

*Lister Institute of Preventive Medicine (p 302)

*Royal Cancer Hospital (p. 303)

Institutions with Recognized Teachers

University of London. Goldsmith's College (p 304)
Battersea Polytechnic (p. 304).
Chelsea Polytechnic (p 304).
College of Estate Management (p 304).
East Malling Research Station (p. 304).
Furzedown Training College (p 304)
Jews' College (p. 304).
John Innes Horticultural Institution (p 304)
Maria Grey Training College (p 304).
National Institute for Medical Research (p 305).
Northampton Polytechnic (p. 305)
Northern Polytechnic (p 305)
Rothamsted Experimental Station (p. 305).
Royal Academy of Music (p 305).
Royal College of Music (p. 305)
Royal Institution (p 305)
Sir John Cass College (p. 305)
Trinity College of Music (p 305).
West Ham Municipal College (p. 305)
Woolwich Polytechnic (p. 305)

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 examination, and, until 1900, its work was confined to the examination 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 Great 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

* Not in receipt of U.G.C. grants.

for the private gain or profit of the owners which provide education of Univ. standard, and 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 1905 and King's Coll. in 1908, 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. Depts. and those Schools which receive financial aid from the Univ. Prior to the reconstitution the Government grant had been allocated to Schools by the U.G.C.

The Court is also responsible for the development of the Bloomsbury site and the Buildings.

SENATE. Under the Statutes the Senate is the supreme governing and executive body of the Univ in all academic matters. It 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 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 Medicine, Dental Surgery, Pharmacy, Mining, Metallurgy, Engineering, Anatomy and Architecture) 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.

LIBRARIES. *The University Library* (over 500,000 vols. and pamphlets), which provides a free lending library for students and well-equipped research libraries for postgraduate students, incl. the Goldsmiths' Library of Econ. Literature, foremost, on the historical side, among the econ. libraries of the country (*c.* 60,000 vols. and pamphlets), and 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 Library contains also a Periodicals Room, receiving over 2000 periodicals, and a Music Library comprising scores and books on music, a pianola, gramophones, and collections of records and pianola rolls. The libraries of the Francis Galton Laboratory, the Commerce Degree Bureau, and a small students' library at Goldsmiths' Coll., New Cross, are also the property of the Univ.

There are also important specialized and general libraries belonging to the Schools and Institns. of the Univ., incl. those of the Institute of Historical Research, the Courtauld Institute, the Warburg Institute, the Med. Schools, the London School of Hygiene and Trop. Medicine, the School of Oriental and African Studies, and the London School of Economics.

Full particulars of these libraries above are included in R. A. Rye: *Students' Guide to the Libraries of London* (v. *infra*—Publications).

FACULTIES AND DEANS. Theology, Rev. Prof. R. V. G. Tasker (King's Coll.). Arts, Prof. J. F. Lockwood (Univ. Coll.). Laws, Prof. S. G. Vesey-FitzGerald (Sch. of Oriental Studies) Music, Dr. H. J Coates (Trin C M.). Medicine, Dr. E. R. Boland (Guy's). Science, D. O. Wood (Univ. Coll.). Engineering, Prof. S. J. Davies (King's Coll) Economics and Political Science, Dr Vera Anstey (Lond. Sch of Econ.).

COMMITTEES OF THE SENATE. The five standing Committees are—The Academic Council, the Council for External Students, the Collegiate Council, the University Extension and Tutorial Classes Council and the Matricn. and School Examinations Council. There are about 35 other Committees, besides the 51 Boards of Studies.

TERMS for Univ. and Inter-collegiate courses, 1950–51 : Oct. 4–Dec. 13; Jan. 10–March 16 ; April 18–June 27.

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 ; B.Pharm ; B Com. ; B.Sc., M.Sc , D.Sc ; Ph.D. (in all Faculties).

The B.Sc. and D.Sc. are granted in the Faculties of Science (including Agric., Hortic., Vet. Sc., and, for Internal students, Household and Social Science—B.Sc. only), Engineering, and Economics (including Estate Management) ; the M.Sc. in Science (including Agric., Hortic., Vet. Sc., and, for Internal students, Household and Social Science), Engineering and Economics (including Estate Management).

ADMISSION. *See* Appendix I.

EXTERNAL students for a Bachelor Degree take Intermediate and Final examns. at intervals prescribed in the Regns., and approximating (except in Med., Dental Surgery, Engineering, Architecture and Vet. Sc.) to 3 yrs. in all. All External students (except for the Intermediate overseas) are required to register for each examn., and all must previously have matriculated. 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 Matricn. examn. and the examns. in Theol., in Arts, in Laws, in Economics and in Commerce have been held at about 156 overseas centres. The Univ. Examns. in Science 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 Instruction courses in all the subjects thereof. For a first degree in any Faculty 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 Interm. may be accepted subject to regns. in lieu of a course taken in this Univ.

Any person who has passed the Interm. examn. as an *External* student may be allowed to take the Final examn. for the first degree after having attended for 2 yrs. as an Internal student an approved course of study for it, but 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, New College, Richmond College, St. John's Hall.

Arts. Courtauld Institute of Art, School of Slavonic and East European Studies, Bedford College (for women), Birkbeck College (for pt -time 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), Goldsmiths' College, 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 year, Charing Cross Hospital Medical School and the London Hospital Medical College. Courses for the First and Second Examinations for Medical Degrees are provided at King's College and University College, and students from those Colleges attend the clinical 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 Examination for Medical 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.

Pharmacy. School of Pharmacy, Chelsea Polytechnic.

Postgraduate. British Postgraduate Medical Federation, London School of Hygiene and Tropical Medicine, Lister Institute of Preventive Medicine, Royal Cancer Hospital.

Science. Bedford College (for women), Birkbeck College (for pt.-time 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 Municipal College, Woolwich Polytechnic

Agriculture and Horticulture. Wye College.

Household and Social Science. King's College of Household and Social Science (for women).

Veterinary Science. Royal Veterinary College.

Engineering. Imperial College of Science and Technology, King's College, Queen Mary College, University College, Battersea Polytechnic, Northampton Polytechnic, West Ham Municipal College, Woolwich Polytechnic.

Economics. London School of Economics and University College.

Estate Management. College of Estate Management.

Postgraduate Courses for the Teacher's Diploma 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. In the Interm. examn. 3 subjects must be taken including 2 langs., of which one must be Latin or Greek. Natives of Asia or Africa may apply for permission to substitute for Latin or Greek—Classical Arabic, Classical Armenian, Classical Persian, Sanskrit, Pali, Classical Hebrew, Classical Chinese or Classical Japanese. In the Final examn. for the B.A. (General) Degree 3 subjects must be taken. The B A. Honours Degree may be taken in any of the following branches: Classical Chinese, Classics, Greek, Latin, Hebrew and Aramaic (including Syriac), Hist., Geog., Maths., Philos., Psychol., Sociol., Hist. of Art, English, French, German, Italian, Portuguese, Spanish, Scandinavian Languages, Slavonic Studies, Sanskrit, Pali (with Sanskrit), Indo-Aryan, Modern Chinese, Modern Japanese, Malay, Sinhalese, Tamil, Turkish, Arabic, Persian, Japanese, also Celtic for External students, and, for Internal students, Dutch, Bengali, Burmese, Gujarati, Hindi, Marathi, Urdu, Anthropol.

The B.A. course in Archit. for Internal students extends over 5 yrs., but graduates of approved Univs. may be exempted from such part of the earlier yrs.' courses of study and examns. as the Senate may determine.

The M.A. is conferred in Archæol., Class., Hist., Maths., Mediæval and Mod. Langs., Oriental Langs , Slavonic Studies, Comp Philol., Philos , Educn., Geog. and, for Internal students only, in Anthropol., Modern Greek, Hist. of Art, Psychol. and Sociology. Internal students are required (except in English, Geography, Maths. and Oriental Languages) to submit a thesis. In some cases candidates must have taken Hons. at the B.A. examn. External students may take the M.A. examn. 2 yrs. after graduation in Arts. Candidates may only take 1 branch or section at a time. In most there is an oral examn.

The D.Lit. is open to M.A.s and Ph.D.s only, and is conferred for original work.

Diplomas. Teacher's, 1 yr. postgraduate (also for External students); Librarianship, 2 yrs. for day students, 3-5 yrs. for evening students; Fine Art, 3 yrs. Academic Diplomas in Town Planning and Civic Archit. or Civic Engin., 2 evenings a week for 2 terms or 1 day a week for 3 terms; Archive Admin., 1 yr. for whole-time students or 3-5 yrs. for part-time students; Hist. of Art, 1 yr. postgraduate; Geography, 2 yrs. (also for External students); Military Studies, 2 yrs.; Colonial Studies, 2 yrs. postgraduate; Academic Postgraduate Dipls. in Archæol., Comparative Philol., Educn., Phonetics, Psychol. and Anthropol., 2 yrs. For Diplomas in the Humanities, v. Univ. Extension, *infra*.

SCIENCE. For the Interm. examn. Pure or Applied Maths. or Physics or Chemistry must be taken with 2 other subjects. For Final (General) examn. any 3 of the following may be selected: Pure Maths., App. Maths., Astron., Physics, Chem., Geol., Bot., Zool., Physiol., Psych., Anthrop., Milit. Studies, Geog., Anat. and Logic and Method (Ext. students), Statistics (Int. students). For B.Sc. (Special) examn. a student selects 1 principal and (except in case of Anat., Maths. or Statistics) 1 subsidiary subject or two or more ancillary subjects. Honours may be awarded at both B.Sc. (General) and B.Sc. (Special) examn. For the M.Sc. for Internal students a thesis may be submitted or a written examn. may be taken.

For the Degree in Agric. the Interm. examn. includes Chem., Bot., Zool. and one alternative subject; the Final is in 2 parts, Pt. I including Sciences in relation to Agriculture and Pt. II Professional subjects. In Horticulture the subjects for the Interm. are Chem., Bot., Zool., Geol. or Applied Physics, and Garden Operations; for the Final, Pt. I Principles of Hortic., Pt. II Practice of Hortic. For the Degree in Vet. Sc. there are 4 examns. to be taken in their proper order. Bachelors of Science (Agric. or Vet. Sc.) are held to be eligible

for the ordinary M.Sc. For the Degree in Household and Social Science there are 3 examns. : 1st Interm. (Phys., Inorg. Chem., Biol., and Social and Econ. Hist.) ; 2nd (Chem.—Org. and Phys., Gen. and Econ. Biol., Principles of Econ.) ; and Final (App. Chem., Physiol. and Biochem., Hygiene and Bacteriol., and Household Work).

Diplomas. Academic Postgraduate Dip. in Bacteriology, 1 yr. ; External Dip. in Biology, 1 yr.

THEOLOGY. The Interm. course is in New Testament Greek, and 4 of the following : Classical Greek, Elementary Hebrew, Latin, Ancient Hist., General Ethics, Ethics (set book), General Psychology, Psychology of Religion ; the Final in Old Test., New Test., Bibl. and Hist. Theol., Church Hist., Philos. Introdn. to Theol., and a selected subject. The M.Th. Examn. is open to those who have obtained Honours at the B.D. examn. or who have obtained a Pass at the B.D. examn and have passed a further qualifying examn. Any one of the following subjects may be offered :—Hebrew and Aramaic, including Syriac ; Greek New Test. and Apocrypha ; Church Hist. ; Biblical and Historical Theol. ; the Study of Religion.

Candidates for the D D. Degree must have obtained the B.D. Degree and have passed the M.Th. Examn. and must submit original work.

Diplomas. Academic Dip. in Theol., 2 yrs. (also for External students).

LAW. The subjects of the Interm. course are Rom. Private Law, Const. Law, Engl. Legal System, Elements of Law of Contract. The LL.B. Examn. is in two parts and candidates must normally pass Part I before entering for Part II. Part I consists of 4 papers. Part II consists of a paper on Jurisprudence and Legal Theory and 3 papers chosen from a list of 15 alternative subjects. Candidates for the LL.M. may either be examined by six papers or submit a dissertation and be examined by three papers. Candidates for the LL.D. must hold the LL.M. or the Ph D. degree in the Faculty of Laws.

MEDICINE. The course extends normally over 5½ yrs. In the first yr. courses in Inorg. Chem., Phys. and Genl. Biol. in preparation for the 1st examn. for Med. degrees are taken. The 2nd and 3rd yrs. are devoted to Hum. Anat., Physiol. and Pharmacol. The 2nd examn. is normally taken 18 mos. after passing the 1st. The Final course for the M.B., B.S. degrees falls into 3 Parts as follows : Part I—Pathology, Hygiene and Forensic Medicine ; Part II —Medicine, Applied Pharmacology and Therapeutics ; Part III—Surg., and Obstetrics and Gynæcology. The Parts may be taken separately or together, but degrees are not conferred until candidates have passed in all Parts.

Institutions outside the U.K. and Eire, certificates from which for the complete course of Med. educn., including Clin. Med. and Surg. preparatory to the M.B., B.S. degrees for External students, are accepted by the Univ. of London subject to a year's study in U.K. : Univs. of Dalhousie, McGill, Toronto, Adel. (with Infirmary), Melb. (with Melb. and Alfred Hospls.), Syd. (with Infirmary and Prince Alfred Hospl.), N.Z. (with Dunedin Hospl.) ; following Indian Med. Colleges—Grant (Bombay), Seth Gordhandas Sunderdas (Bombay), Bengal (Calcutta), Lahore, Lucknow, Madras ; Med. Coll., Colombo ; Univ. of Malta ; Sch. of Med., Cairo.

For the M.D. or M.S. a thesis or published work may be submitted in place of part of the examination.

The course for the B.D.S. extends normally over 5 yrs.—there are 4 examns. The subjects of the Final examn. are Med., Surg., Pharm. and Mat. Med., Pathol. and Bacteriol., Dental Surg. and Orthodontics.

B.Pharm. The Final Examination is in two Parts. Pt. I is taken at the end of the 2nd yr.'s course, and includes Pharmaceutics, Pharm. Chem.,

Pharmacognosy, and Pharmacology Pt. II is taken at the end of the 3rd yr.'s course, and consists of any 2 of the following :—Pharm. Chem., Pharmacognosy, Pharmacology, Genl. Pharmaceutics or Pharm Engineering

Diplomas. Academic Postgraduate Diplomas in Clinical Path (also for External students), Public Health (also for External students), Tropical Med. and Hygiene, 1 yr. ; in Dietetics, 2 terms and 6 mos.' practical work ; in Medical Radiology (Diagnosis or Therapy), 2 yrs For Postgraduate Diploma in Psychological Medicine and Diploma in Nursing, v Univ. Extension, *infra.*

MUSIC. The subjects for the Interm. 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. Candidates must pass the Interm. examn in Science in Pure Maths , App Maths., Physics and Chemistry. The Final examns. in *Engin., Chem. Engin.* and *Mining* are in two parts. In *Metall.* the Final examn. is divided into 3 parts.

ECONOMICS. The Final Examination for the B.Sc. (Econ.) may be taken three years subsequently to passing an Intermediate or Preliminary Examination or obtaining a Higher School Certificate. The Examination is in two Parts, Part II consisting of five papers on a Special Subject chosen from a list of thirteen.

For the Degree of B.Sc (Estate Management) there are 3 examns., Interm. and Final, Pt. I and Pt. II Interm. : Land Surveying, Econ. ; Accounting and Business organization and English law relating to land. Final . Pt. I—Land and Buildings Valuation, Principles of Public Finance, Land Law ; Pt II—Building Constrn , and *either* A (Agric , Forestry, Agric. Law) *or* B (Town Planning, Sanitation, Local Govt Law). (Pts. I and II may be taken separately.) The degree of M.Sc. (Est. Man.) is also awarded.

Diplomas. Academic Dip. in Public Administration, normally 2 yrs. (also for External Students). Diploma in Social Studies (Ext.).

MILITARY EDUCATION Military Studies is one of the optional subjects for the Interm. Arts and Final B.A. and B.Sc. (General) examns. An Academic Dip. in Military Studies is awarded

The Univ. of London O.T.C. was constituted in 1909. The Corps has been re-named The Univ. of London Contingent of The U.T.C. (T.A.). Information from the Adjutant, U.T.C., Examination Halls, S.W.7.

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.

POSTGRADUATE STUDY AND RESEARCH. In most of the Colleges and Schools of the Univ. special arrangements are made for Research students, and the facilities offered are not restricted to Internal graduates of the Univ. External graduates and graduates of other approved Univs. are allowed, under certain conditions, to enter as Internal students for the degrees of Bachelor or of Ph.D. in the several Faculties, 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 certificate from the authorities of the School or Institution in 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 research, and that they are willing to supervise his work. An Oversea student may himself submit an application 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. Oversea students should apply for registration before coming to London, and their applications should reach the Univ. by May 1, or, if from Australia or New Zealand, March 1, to enable them, should their applications be successful, to enter upon their course of study in 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.' part-time, training in research and research methods. Any graduate of the Univ. may become a candidate for the Ph.D degree in his first degree Faculty as an External student on receiving the approval of the Council for External students

FEES. Matricn.—2½ gs.; Examn. and Graduation—Minimum, 12 gs. (Med., 29 gs.) for first Degree. Other Degree fees, 10 to 20 gs. Tuition, *see* the sections relating to the several schools.

STUDENTSHIPS AND SCHOLARSHIPS. Studentships are awarded by the Senate in aid of advanced work or research. These awards fall mainly into three categories: (i) fifty studentships of £250 each awarded on the results of Final Examinations; (ii) about forty University Postgraduate Studentships of £275 each awarded to graduates of between one and three yrs ' standing; (iii) a number of Travelling Studentships. The Scholarships Pamphlet, obtainable post free on application to the Univ., gives details of these and others including awards made by Schools of the Univ

ADVISORY SERVICE FOR EXTERNAL STUDENTS Any External Student who is duly registered for an external examn. 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.

The COMMERCE DEGREE BUREAU exists to help in their studies External (especially extra-London) students proposing to take the Commerce Degree examns., to assist in the employment of Commerce Degree students and graduates at home and abroad, to provide a reference and lending library for students, and generally to promote the value and usefulness of the Commerce degree. The Bureau is administered by a Board of Governors. Prospectus and enquiry forms obtainable on application to the Sec., Commerce Degree Bureau, Senate House, W.C.1.

The UNIVERSITY APPOINTMENTS BOARD exists to obtain appointments for graduates. Sec., H. R. Walters, M.C., B.Sc. (Eng.), Senate House, W.C.1.

RESIDENCE. Hostels provided by the Senate: Canterbury Hall, Cartwright Gardens, W.C.1, for 220 women students; Connaught Hall of Residence, 16-20 Torrington Square, W.C.1, for 70 men students, and Nutford House, Brown Street, W.1, for 135 women students. Other Halls of Residence recognized by the Senate: Bayswater Hall, 46-47 Kensington Gardens Sq., W.2, for 40 Indian students (men); College Hall, Malet Street, W.C.1, for 135 women students.

Residence is also provided at or in connexion with the Inst. of Educn.,

Imperial Coll., King's Coll., Queen Mary Coll., Univ. Coll., Wye Coll., Bart.'s, Guy's, London, Middlesex, Univ. Coll. and Westminster Med. Schools, the Theol. Colls. and the Women's Colls. London House, Guilford Street, W.C.1, provides accommodation for 120 Dominion and British men students; in addition Foundation House holds 12 married couples.

LODGINGS BUREAU, 28 Woburn Square, W.C.1. Enquiries to be addressed to the Lodgings Officer.

The UNIVERSITY UNION was founded in March 1921. Address—University Union, 30 and 31 Woburn Sq., W.C.1. The University Athletic Ground is at Motspur Park, Surrey, and the University Boat-House at Hartington Road, Chiswick.

DEPARTMENT OF EXTRA-MURAL STUDIES. The work of the Dept. is controlled by the Univ. Extension and Tutorial Classes Council and falls under the following main heads: (*a*) Univ. Extension Courses; (*b*) Tutorial and Sessional Classes; (*c*) Summer Schools for Tutorial Class and Univ. Extension students; (*d*) Vacation Courses for U.S. and other students; (*e*) Holiday Courses for foreign students; (*f*) Examns. for the Certifs. of Proficiency in Religious Knowledge, English, Czech, Danish, Dutch, French, German, Italian, Norwegian, Polish, Russian, Serbo-Croat, Spanish, Swedish, Diction and Drama, and Natural History; (*g*) Examns. for Diplomas in Hist, Lit, Econ, Social Theory and Structure, Hist. of Art, Biblical and Religious Studies, and Internat. Affairs; (*h*) Examn. for Postgrad. Diploma in Psychol. Med.; (*i*) Examn. for Diploma in Dramatic Art; (*j*) Examns. for Diploma in Nursing and Sister-Tutor's Diploma; (*k*) Examn. for Diploma in Theory and Practice of Phys. Educn.; (*l*) Examn. for Diploma in Theol.; (*m*) Examn. for Diploma in Public Admin.

The extra-mural area includes the Counties of London, Middlesex and Surrey, south-west of Essex and south Hertfordshire, and the County Boroughs of Croydon, East Ham, West Ham and Southend-on-Sea.

(*a*) *Univ. Extension Courses* have been carried on by the Univ since 1902 (prior to that, 1876–1902, by the London Society for the Extension of Univ. Teaching). Courses are held at approved centres on Hist., Lit, Econ., Social Theory and Structure, Biblical and Religious Studies, Philos., Psychol, Painting, Archit., Nat. Sc., Music, Internat. Affairs, Geog., Public Admin., Central and Local Govt. For certain courses field work and/or residential schools are arranged. A discussion class is held in connexion with each lecture, and students are encouraged to do regular written work for the lectr. An examn. for certifs. may be held at the end of each Sessional (24 or 25 lectures) or Terminal (10 or 12 lectures) course. Short courses (5 or 6 lectures) of a *pioneer* or illustrative kind are arranged; in connexion with these there is no examn. Continuous study over several years is encouraged by the *Diplomas in the Humanities* (Hist., Lit., Econ., Social Theory and Structure, Hist. of Art, Biblical and Religious Studies, Internat. Affairs), 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.

(*b*) *Tutorial Classes* have been provided since the Workers' Educational Association established in 1909 a close and harmonious relation with the Univ. The classes extend over three consecutive years usually with a maximum membership of 24 students. Sessional Classes and Advanced Classes lasting one session are also provided. The subjects studied are those for which a demand has been expressed by intending students, and in the formation of syllabuses the wishes of the students are taken into account. There are no examinations 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., Politics and Psychol.

(*c*) Two 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 schools are arranged in the winter months and a Saturday School in the spring, for Tutorial and Sessional Class students. Week-end Schools (residential and non-residential) and Saturday Schools are arranged at frequent intervals throughout the Session for Univ. Extension students.

(*d*) An annual Residential Summer Course in Arts (including Literature), lasting six weeks, is held for U.S. undergraduates and graduates particularly, but also for suitably qualified students from England, Europe and elsewhere.

(*e*) An annual Residential Summer Course in English for Foreign Students is held Special stress is laid upon Phonetic teaching. The course is designed to widen the students' knowledge not only of the Engl. Lang., but of English customs, institns. and art, by means of lectures, classes, excursions, etc. The total number of students admitted to the course is limited at present to about 200, and the number in each class to 8. In 1949 the course was attended by 198 students from 22 countries.

(*f*) The *Examination for the Certificate of Proficiency in Religious Knowledge* is held once a year in June. It may be held at certain of the centres in the Provinces, Dominions and Colonies at which the June Matricn. examn. is appointed to be held, as well as in London. Minimum age at entry, 18.

(*g*) The *Examination for the Certificate of Proficiency in English for Foreign Students* * (for candidates whose mother-tongue is not English) is held in Aug. each year and may be held in Dec. also. It is designed to provide evidence of a practical working knowledge of the English language, written and spoken, and of an elementary knowledge of Phonetics The min. age at entry, except in special cases, is 20. The *Examination for the Certificate of Proficiency in English for Teachers of Foreign Students* may be held in Aug. each year. It is designed to provide evidence (which may not be guaranteed by a teacher's other certificates) of such a practical working knowledge of the English language, written and spoken, and of such acquaintance with Phonetics, as may be of special value for teaching English to foreign students. Candidates must be qualified teachers, or have been approved as having a sound knowledge of English and as having had appropriate experience in teaching.

(*h*) *Examinations for Certificates of Proficiency in Czech, Danish, Dutch, French, German, Italian, Norwegian, Polish, Russian, Serbo-Croat, Spanish and Swedish* are held in June. They are intended primarily for teachers who are not specialists in, but who require a Certif. testifying to their practical working knowledge of, the language, both spoken and written. Minimum age at entry, except in special cases, 20.

(*i*) The *Examination for the Certificate of Proficiency in Diction and Drama* is held once a year, in July, 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 year, in Oct., and is open to teachers who have followed a special

* The Cambridge Local Examinations Syndicate also awards a Certificate of Proficiency in English, v. p. 93.

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. or Modern Hist.; *Literature*—English Lang. and Lit. or General Lit.; *Economics, Social Theory and Structure*; *History of Art*; *Biblical and Religious Studies*; and *International Affairs*—are held once a year for students who have followed a recognized course of study for 4 yrs. as part-time students, or in special cases for a shorter period

(*l*) The *Examn. for the Postgraduate Diploma in Psychological Medicine* is held twice a year, in March and April and in Oct. and Nov., and is open to candidates whose names are in the Medical Register or who are registrable therein, and who have had the required clinical experience. There are two forms of this Dip, for those desiring to specialize (i.) in Mental diseases (Psychiatry), and (ii) in Mental Deficiency.

(*m*) The *Examn. for the Diploma in Dramatic Art* is held once a year, in July, and is open to students whose general education 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.

(*n*) The *Examn. for the Diploma in Nursing* is held once a year, in Oct. and Nov., and is open to Registered Nurses whose general education satisfies the Council, subject to certain specified conditions with regard to Part B of the Examn. The *Examn. for the Sister-Tutor's Diploma* is held once a year, in July, and is open to Registered Nurses whose nursing experience and general education satisfies the Council and who have studied for at least 1 yr. (2 yrs. from 1951–52 incl.) at training institutions where courses have been approved.

(*o*) *Examns. for the Diploma in the Theory and Practice of Physical Education* are held—Part I twice a yr., in June and Dec., Part II once a yr., in May—and are open to students whose general education satisfies the Council and who, after completing their 18th yr., have studied at least 2 yrs. before Part I and 3 yrs before Part II at Physical Training Colleges where courses have been approved.

(*p*) *Examn. for the Diploma in Theology* is held once a year, in June, and is open to students over 19 whose general education satisfies the Council.

(*q*) *Examn. for the Diploma in Public Administration* is held once a year, in June, and is open to students holding a Univ. degree or an approved technical or professional qualification who have been engaged for at least three years in public administration

[*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. In 1951 the Univ. will conduct the examn. for the *General Certificate of Education*. The examn. will be held in approved Secondary Schools and may also be taken by Private Candidates. All candidates must be 16 years of age by Sept. 1 in the yr. of the examn.

Subjects may be offered at Ordinary, Advanced and Scholarship levels, and the examn. will be held at these 3 levels in May and June, and in Dec. at Ordinary level only (except that Private Candidates may also take Advanced level subjects at that examn.). There are no Group requirements, and candidates may offer one or more subjects. The certif. will be 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 Common-

wealth 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 Matriculation and School Examinations Council, Univ. of London, Senate House, London, W.C.1.

PUBLICATIONS. The following are obtainable from the University of London (Publications), Senate House, W.C.1 :

The Calendar, 10s 6d. incl. postage. *Gazette*, pubd. at average intervals of 4 weeks; annual subscription, 5s., single no., 8d., including postage. *Examn. Papers*, published as soon as possible after the several Examns.; prices vary from 1s. 3d. to 2s. 6d.

Regulations The following may be obtained on application to the Univ.: Regns. for Matricn.; Regns. for Int. and for Ext. Students (pubd. separately) for Degrees in Arts, Science, Agric., etc.; for the various Diplomas and Certificates in special subjects; for Ph.D Degree; Scholarships pamphlet, pamphlets of *General Information* for Internal Students and for External Students. Applications for any of these should be addressed to Central Office

THE YEAR 1948–49

BENEFACTIONS. The Rockefeller Foundation has made grants of $4000 to Univ. Coll. for the purchase of books in Latin American Studies and of $27,200 to Imperial Coll. and the London School of Hygiene and Tropical Med for the devel of public health engineering The Inst of Educn. has received a further grant of $7900 from the Carnegie Corpn for a study of negro educn. The Nuffield Foundation has made grants of £4000 p a. for five yrs to Imperial Coll for res work on Extraction Metall., and of £20,000 spread over ten yrs. to the Inst. of Psychiatry for a study of student selection; it has also renewed at a higher annual rate its grant to Birkbeck Coll. for biomolecular res, the sum now made available being £32,000 spread over the 3 yrs 1949–52. A gift of £20,000 for furtherance of sociological res. has been made by Mrs. Mary Skepper to the London School of Economics. *University Library.*—Gifts include 189 vols. presented by the Argentine Embassy, of which 115 are kept in the Univ. Library, the remainder having been deposited in other libraries in the Univ. Mrs. Stroud Read has added to her already large gifts to the Library a further 330 vols., and Mr. P. D. Whitting has presented a collection of 30 vols., including some first editions, of works by William Cobbett Many other gifts have been received from Insts. and individual donors

NEW POSTS. *Inst. of Educn.*: Chair of Sociol. of Educn. *Univ. Coll.*: Chair of Roman Law; Durning-Lawrence Chair of History of Art; Readership in Law *King's Coll.*: Chair of Geology; Chair of History and Philosophy of Religion; Chair of Palæography; Readership in Pharmacol. *Birkbeck Coll.*: Readership in Geol. *Imperial Coll.*: Chair of Physics; Readership in Applied Entomol; Henry Mark Pease Readership in Telecommunications; Readership in Physical Climatol.; Readership in Organic Chem. *London School of Economics*: Chair of Economics (Industrial Organization); Chair of Economics (Distribution); Chair of Economics (Business Finance); Chair of Anthropol.; Readership in Accounting; Readership in the Admin. of Law in Colonial Territories; Readership in Economics (International Trade); Readership in Economics (Distribution); Readership in General Economics. *Queen Mary Coll.*: Chair of Zool.; Readership in Theoretical Physics;

Readership in Exper. Physics *Royal Holloway Coll.*: Chair of Bot. *School of Oriental and African Studies*: Chair of History of Far East; Chair of History of S.E. Asia; Chair of Art and Archæol. of S.E. Asia; Chair of History of Near and Middle East; Readership in Lang. and Culture of S E. Asia; Readership in Indian Philosophy; Readership in Old Javanese; Readership in Sanskrit; Readership in History of Near and Middle East; Readership in Anthropol with ref. to India; Readership in Phonetics. *Guy's Hosp. Med. School*: Chair of Bacteriol.; Chair of Biochem.; Readership in Physical and Inorganic Chem. *St. Mary's Hosp. Med. School*: Readership in Biochem.; Readership in Anat.; Readership in Pharmacol.; Readership in Experimental Physiol., Readership in Bacteriol. *St. George's Hosp. Med. School*: Readership in Chem. Pathol. *King's Coll Hosp. Med. School*: Readership in Bacteriol. *Institute of Laryngology and Otology*: Chair of Laryngol. and Otol. *Institute of Psychiatry*: Readership in Psychiatry; Readership in Psychol. with ref. to Psychiatry. *London Hosp. Med. Coll.*: Chair of Dental Pathol. *Royal Dental Hospital School of Dental Surgery*: Readership in Pathol *London School of Hygiene and Tropical Med*: Readership in Applied Physiol.

Some Special Lectures delivered in 1948–49. *Creighton Lecture*—On "The Cycle of War and Peace in Modern History" by Dr. G. N. Clark; *Ethel M. Wood Lecture*—On "Some reflections on the Bible in History" by Lord Elton; *Semon Lecture*—On "Broncho-œsophagology in Great Britain—The Decline of a Science: a plea for better co-operation and teaching" by G. Ewart Martin.

No *Heath Clark Lecturer* was appointed in 1948.

Students. The total number of internal students on the roll was 21,985 in the session 1948–49, while 27,429 were registered as external during the year 1949. The number of full-time students in Schools of the Univ. and Senate Institutions (based on U.G.C. Returns) in 1948-49 was 16,884.

Honorary Degrees *D.Lit.*—T. S. Eliot *LL.D.*—Rt. Hon. Sir John Anderson; Sir Edward Appleton; H.E. Lewis Douglas; Prof. Sir Percy Winfield. *D.Sc.*—Prof. Sir Frederic Bartlett. *M.A.*—O. Greenwood.

UNIVERSITY DEPARTMENTS

COURTAULD INSTITUTE OF ART

Founded 1932

20 Portman Square, London, W.1.
Telephone : Welbeck 1388–9

CHAIRMAN OF MANAGEMENT COMMITTEE—Prof. L C. ROBBINS, C.B., M.A. Oxon., B Sc. (Econ.), F B A

DIRECTOR—A F BLUNT, C.V O , 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.	Reader
Whinney, Margaret, D Lit., F.S.A	Lectr
Hohler, C., M.A. Oxon.	Lectr.
Murray, P., B.A.	Lectr.

Chinese Art and Archæology

Hansford, S. H., M.A.	Lectr.

Technology of Art, History of

.....	Prof.
Ruhemann, H.	Lectr.
Rees-Jones, S.	Asst.

GENERAL INFORMATION

Opened to students Oct. 1933, as the result of a gift of £100,000 for buildings 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 Laboratory has been established. A Univ. Dept. concerned with teaching and research in the History of Art, including both European and Oriental. Courses are provided leading to B.A. Hons. in History of Art and to M.A. and Ph.D. in History of Art and in Archæology, also to a Diploma in both subjects. Research students also accepted, and a number of lectures are given to which the general public are admitted. The present headquarters of the Institute, one of the finest examples of the work of the Brothers Adam, is also a gift from Mr. Courtauld. When the headquarters of the Institute are moved to Bloomsbury, 20 Portman Square will remain the official residence of the Director, and a centre for special studies.

FEES. For full-time students, £40 p.a. Fees for part-time students or for public lectures on application to the Registrar.

LIBRARY. 19,320 vols. and 17,000 pamphlets, slide collection and Conway Library of reproductions. The Witt Library at 32 Portman Square gives special facilities to students.

THE YEAR 1948–49

STUDENTS. About 60.

INSTITUTE OF ADVANCED LEGAL STUDIES

Founded 1948

25 Russell Square, London, W.C.1.
Telephone · Museum 3232.

CHAIRMAN OF COMMITTEE OF MANAGEMENT—The Right Hon. LORD MACMILLAN, G.C.V.O.

DIRECTOR—Professor D. HUGHES PARRY, M A. Camb., D.C L. McGill, LL.D Br. Col , Wales & W Ont

SECRETARY AND LIBRARIAN—K. HOWARD DRAKE, M.A Camb

The Institute has been set up as part of the post-war expansion of the University of London and occupies premises near the Senate House. Its aim is to act as a focal point for legal research, to provide seminar classes for students reading for higher degrees in law at a School of the University, and to build up a good working research library in law.

The Institute's Library now consists of over 16,000 books, some 5000 of which were bequeathed to the University by the late Dr Charles Huberich The Institute has acquired practically all United Kingdom law reports and Statutes and basic works, particularly those of use for seminar purposes. In addition, the Nuffield Foundation have generously made available the sum of £10,000 for the purchase of legal literature relating to the Dominions and Colonies. In making use of this benefaction, the Institute is pursuing a selective policy and is giving priority to material not elsewhere available in London. The U.S. section of the library is being considerably enlarged and many U.S. legal periodicals not taken elsewhere in England are regularly received.

The Institute is collating particulars of legal research being undertaken and is in a position to pass this on to research workers and to other enquirers

Admission to the Institute may be granted, without fee, to *teachers* of law in Universities and University Colleges, both in the United Kingdom and overseas, and to teachers in other Law Schools, who are qualified to become members of the Society of Public Teachers of Law ; to *postgraduate students* engaged on approved research, and to other University students attending a class or seminar at the Institute ; and to *other persons* by permission of the Director.

Persons who already hold a research 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 Institute, 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 Institute.

INSTITUTE OF ARCHÆOLOGY

Founded 1934

Inner Circle, Regent's Park, London, N.W.1.

Telephone . Welbeck 1697.

CHAIRMAN 'OF MANAGEMENT COMMITTEE—SIR ALFRED CLAPHAM, C B E , F B A , V P S A.

DIRECTOR—V. G CHILDE, B.A. Syd , B.Litt Oxon , D.Litt. Harv., D.Sc. Penn., F B A.

SECRETARY—I W CORNWALL, B A Camb

TEACHING STAFF

Prehistoric European A.

The Director Prof.

Environmental A.

Zeuner, F. E., Ph.D., D.Sc. Prof.

Western Asiatic A.

Mallowan, M. E. L., M.A Oxon., F.S.A. Prof.

Indian A.

Codrington, K. de B., M.A. Camb. Prof.

A. of Roman Provinces

Wheeler, R. E. M., C.I.E , M.C., D Litt. Brist., D.Lit., M.A., F.B.A., F.S.A. Prof.

Palestinian A.

Kenyon, Kathleen, M.A. Oxon., F.S.A. Lectr.

GENERAL INFORMATION

Equipment provided in the first instance for the study of the Archæology of the British Isles and Near East, esp. of those countries for which Gt. Britain has had special responsibilities, such as Palestine, Mesopotamia, etc.

Teaching collections for British and Palestine archæology, notably the Petrie Palestinian collection, are available to students.

Instruction is given for the Diplomas 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 Near East, and on archæological methods.

THE YEAR 1948–49

During the session, in addition to the usual Diploma Courses, a course of public lectures on " Recent Work in Roman Archæology " was held on Fridays in Autumn Term and drew large audiences, and in March Dr. L. Bernabó Brea, Supt. of Antiquities in S.E. Sicily, gave 3 public lectures on his own excavations in the cave of Arene Candide, and on the culture sequence in Sicily, while in Summer Term Prof. Brondsted delivered the Univ. Lectures in Archæol. at the Inst., his title being " Tribes and Peoples in Scandinavia during the Stone

and Bronze Ages" 2 public exhibitions were arranged in the course of the yr., one illustrating by means of plans and models housing in prehistoric Europe and the British Isles, and the other devoted to the excavations at Sabratha in N. Africa.

STUDENTS. Total: 47; full-time: 9; pt.-time: 38; the total includes 25 women and 15 postgraduates.

INSTITUTE OF COMMONWEALTH STUDIES

Founded 1949

27 Russell Square, London, W.C.1.
Telephone . Langham 7855.

DIRECTOR—Professor W K HANCOCK, M.A. Oxon.

LIBRARIAN AND SECRETARY—A. R HEWITT.

The object of the Institute is to promote advanced study of problems affecting the Commonwealth. In particular the Inst. will encourage res. in the field of the social sciences and will facilitate contact and discussion between workers pursuing different disciplines.

A Library is being built up. It will necessarily be selective and will make no attempt to compete with existing large collections. Subject to this, it will rapidly acquire strength in bibliography and other aids to res. It will collect important official material and will subscribe to a wide range of periodicals. It will buy secondary books selectively with particular emphasis on demography, the applied economics of Commonwealth countries, race relations and constitutional and administrative problems.

It is hoped to make the Inst. a useful meeting ground for members of staff of this and other Univs. and for grad. students.

Particulars as to admission and forms of application may be obtained from the Librarian and Secretary.

INSTITUTE OF EDUCATION

(being the Area Training Organization for the Metropolitan Area)

(*Formerly* LONDON DAY TRAINING COLLEGE)
Founded 1902

Postal Address—University of London Institute of Education, W C.1.
Telephone : Museum 5525

DIRECTOR—G. B. JEFFERY, M.A , D.Sc , F.R.S.

ADVISER TO OVERSEA STUDENTS—Sir FRED CLARKE, M.A. Oxon., Litt D. (Emeritus Professor of Education).

JOINT SECRETARIES—GRACE M. WACEY.
E. F. MARSHALL, B.A. Camb.

DEPUTY SECRETARY—KITTY M EGAN, B.A.

REGISTRAR—CLARE J. HENRY.

LIBRARIAN—GERALDINE S. M. DE MONTMORENCY, F L.A.

CONSTITUENT DEPARTMENTS

Department of Education, King's College, Strand, W.C.2. Training Department, Goldsmiths' College, New Cross, S E 14.

CONSTITUENT COLLEGES

Avery Hill Training College, Eltham, S E.9. Battersea Training College of Domestic Science, North Side, Clapham Common, S.W.4. Borough Road Training College, Isleworth, Middlesex. Brighton Training College, 8 Eastern Terrace, Brighton Chelsea College of Physical Education, Eastbourne, Sussex. Clapham and Streetham Hill Training College, 28 Palace Road, S.W.2. Dartford College of Physical Education, Dartford Heath, Dartford, Kent. Digby Stuart College, Convent of the Sacred Heart, Roehampton, S.W 15. Eastbourne Training College, Darley Road, Eastbourne. The Froebel Educational Institute, Grove House, Roehampton Lane, S.W.15. Furzedown Training College, Welham Road, Mitcham Lane, S.W.17. Gipsy Hill Training College, Kenry House, Kingston Hill, Surrey. Manresa House Training College, Roehampton, S.W.15. Maria Assumpta Training College, 23 Kensington Square, W.8. Maria Grey Training College, 11 The Avenue, Brondesbury, N.W.6. National Society's Training College of Domestic Subjects, Berridge House, Fortune Green Road, W. Hampstead, N.W.6. National Training College of Domestic Subjects, Buckingham Palace Road, S.W.1. Nonington College of Physical Education, Nonington, Kent. The

Rachel McMillan Training College, Creek Road, Deptford, S.E.8. St. Gabriel's College, Cormont Road, Camberwell, S.E.5. S. Katharine's College, Tottenham, N 17 College of S Mark and S. John, King's Road, Chelsea, S.W.10. St Mary's College, Strawberry Hill, Middx Shoreditch Training College, Pitfield Street, N.1. Southlands College, 65 Wimbledon Parkside, S.W 19 Stockwell Training College, The Old Palace, Bromley, Kent Westminster College, Horseferry Road, Westminster, S W 1 Whitelands College, West Hill, Putney, S W 15

CENTRAL TEACHING STAFF

Professors

Clarke, Sir F., M.A Oxon., Litt.D.
Lauwerys, J A , B Sc., D Sc. Ghent
Pattison, B , B A. Durh , Ph D. Camb.
Read, Margaret H , C B.E , M A , Ph.D. Camb.
Hd of Colonial Dept
Reid, L A , M A Edin., Ph.D. Wales, D.Litt. Edin.
Smith, W. O. Lester, C B.E., M.A.
Vernon, P. E., M A., Ph D.

Readers

Fleming, Charlotte M., M A., Ed.B , Ph.D. Glas
James, H. E. O., B.A., M.Sc. Manc.

Senior Lecturers

Batten, T. R., M.A. Oxon.
Bowley, Agatha H., Ph D.
Calthrop, Margaret G., M.A Camb.
Daltry, C. T., B.Sc.
Davis, Joan A. M., M.A.
Elliott, A. V. P., M.A. Camb.
Emerson, L. H. S., M.A. Camb.
Gardner, Dorothy E. M., M.A. Leeds, Head of Dept. of Child Devel.
Gwynne, Maura B., M.A. Camb.
Harrison, A. S., M.Sc. Manc.
Mackey, W. F., B.A. Manit., M.A. Harv.
Meier, F. A., M.A. Camb.
Parker, B. N., M.A.
Scarfe, N. V., M.A.
Smith, F. J. Kinchin, M A. Oxon.
Warden, Winifred M., M.Sc. Birm., F L S
Weitzman, Sophia, M.A , Ph.D. Manc
Whaite, H. C., Slade Dip.
Wilshere, Phyllis N , M A Oxon

Lecturers

Baggott, Doris I.
Balint, Edna, B Sc. Manc
Baron, G., B.A , M Ed. Leeds
Bearman, Mrs Ethel C , M.A. Oxon.
Beetham, T. A., B A Lond., M A. Camb.
Burston, W. H., M A. Bristol.
Cass, Joan.
Chandler, Constance M , B.Sc
Coppen, Helen E., B.Sc. Pretoria.
Dickson, Yvonne
Edwards, Daisy M., M.Sc., A.M. Columbia.
Evans, P. C. C., M.A. Wales.
Figueroa, J. J , B.A.
Gabriel, Olive M.
Gattegno, C., Dr.Phil. Basle, M.A.
Gordon, Shirley C., B.A.
Hellman, Ilse
Henderson, J. L., M.A. Oxon.
Hodgson, Frances M., B.A.
Holland, T. R., M A Reading.
Holt, Frances M , Ph.D. Birm.
Honeybone, R. C., B.A.
Koop, Geraldine W.
Langdon, Eleanor M.
Lee, Doris, M.A.
Long, Iris L. M., M.A.

Martin, Nancy C , B A.
Moore, Edith M., B.A.
Mort, E. L., O B.E , M A.
Noonan, J A , D Phil Oxon
Pheasant, Julia M , B Sc
Sollis, C. G , M.A Oxon.
Vivien, S , B.A
Waddington, Mary, M A
Whitehead, F S , M A
Winter, Phyllis E , B A.

Visiting Lecturers

Brodie, Una Z. (Speech Trg.).
Dawson, Molly (Speech Trg.).
Foster, Arnold W. (Music).
Lasbrey, Margaret O. (Phys. Trg).
Newland, W. R. (Pottery)
Smith, Edith F. M (Phys Trg).
Underwood, R. G. (Phys. Trg).
Williams, R (Lab Arts)

Research Assistants

Gill, Madge, B.A.
Hindley, C. B , M B., Ch.B. Manc., B.Sc
Moore, T., B A.

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 Regulations of the Board of Education for the Training 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 Board of Education, the L.C.C. and the Univ., the Coll. was transferred to the educational and financial control of the Univ., and its title was changed to " University of London Institute of Education." The Institute is administered as a " central activity " of the Univ. by a Delegacy appointed 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 Institute was transferred to the new building on the Bloomsbury site provided by a special grant from the Council to the Univ.

In accordance with the Recommendation of the McNair Cttee. on the Training of Teachers and Youth Leaders, the Univ. of London Inst. of Educn. now comprises the Central Activity, two Constituent Depts. and twenty-eight Constituent Colls. The purpose of the Inst. of Educn. 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 Regulations for the Training of Teachers (H.M. Stationery Office, Kingsway, W.C.2) for Primary and Secondary Schools. Undergraduates can take a four years' course so as to combine B A., B.Sc. or B Sc. Econ. courses (taken at other colls.) with professional training. Graduates may devote themselves continuously for a year to the theory, etc., of Educn. and obtain the Univ. dipl.

Particulars of the courses provided in the Constituent Depts. and Colls. may be obtained from the Joint Secs., Institute of Education, Malet St., W.C.1. Tel Museum 5525.

FEES AND COURSES. The annual tuition fee for the following courses is £62 : 10s. : Teacher's Dipl., Art Teacher's Dipl., Special Colonial Course, Advanced Course in the Dept. of Child Devel., Dipl. in English Educational Thought and Practice, Diploma in the Methods of Teaching English as a Foreign Language, Dipl. for teachers of educationally sub-normal children and the M.A. and Ph.D. courses in Educn.

" Recognized " students taking one of the following : Teacher's Dipl , Art Teacher's Dipl. or the Advanced Course in the Dept. of Child Devel., under Ministry of Educn. Regulations for the Training of Teachers receive financial assistance towards fees and maintenance as set out in the current regulations.

An Associateship of the Institute has been established and may be awarded to students upon completing at least one full session of work other than for a dipl. or higher degree in educn. The fee for the course is £62 : 10s. Applications for the award of the Associateship must be received not later than December 1 in the session in which they are to be considered. A fee of three guineas must accompany each application

PUBLICATIONS. The *Yearbook of Education* (published by Messrs. Evans Brothers in association with the Inst.), 63s. *Studies and Reports*, Nos. I-XIV, copies obtainable from the Inst

THE YEAR 1948-49

BENEFACTIONS Grant of £4400 p a for 3 yrs from the Imperial Relations Trust to provide 8 Fellowships annually, 2 each from the Commonwealth of Australia, the Dominion of Canada, the Union of S Africa and the Dominion of New Zealand.

DEATH. Prof. H. R. Hamley.

STUDENTS. Total : 1050. Full-time 706, pt.-time . 344 ; the total includes 586 women and 573 graduates.

DEGREES, ETC. Ph.D. (Educn.), 5 ; M.A , 33 ; M.A. (Educn), Pt I, 49 ; Teacher's Dipl , 374 ; Art Teacher's Dipl., 72 ; Dipl. in English Educational Thought and Practice, 5 ; Associateship of the Inst. of Educn , 13.

INSTITUTE OF GERMANIC LANGUAGES AND LITERATURES

Founded 1950

26 Russell Square, W.C.1.

Telephone : Langham 2711.

CHAIRMAN OF MANAGEMENT COMMITTEE—Prof. EDNA PURDIE, D.Lit., M.A.

HONORARY DIRECTOR—Prof. L. ASHLEY WILLOUGHBY, D.Lit., M.A.

SECRETARY—R. PICK, Ph.D. Vienna.

The objects of the Institute are " to promote the advancement of the study of Germanic Languages and Literatures, to provide opportunities for contacts between scholars in the Germanic field, both within the University and from other centres of learning at home and abroad, and to arrange facilities for advanced study and research in the relevant subjects."

INSTITUTE OF HISTORICAL RESEARCH

Founded 1921

Senate House, W.C.1.
Telephone: Museum 0272, 0273.

DIRECTOR—Prof J. G EDWARDS, M.A. Oxon. and Manc., D.Litt. Wales and Reading, F.B.A.

SECRETARY AND LIBRARIAN—A. TAYLOR MILNE, M.A.

The Institute of Historical Research is one of the central institutions of the Univ. administered by a Cttee appointed annually by the Senate. The Inst. is primarily a laboratory for the training of postgraduate students in the methods of historical research, 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 mediæval and modern history The Inst is open not only to teachers of history in the Univ and their research students, but also to approved historians, archivists, teachers and research students from other Univs. Instruction, undertaken by members of the History Depts. of the Schools of the Univ., is normally carried on in (1) a series of preliminary courses dealing with the sources of British, Imperial and foreign history, introductions to work in archives, and palæography classes; (2) a series of seminars dealing with special historical subjects. In addition, the Inst. is active in promoting the organization of historical studies in general, in undertaking bibliographical and other investigations, the results of which are published in its *Bulletin*, and in arranging conferences.

LIBRARY. 67,616 books, periodicals and pamphlets; also 706 maps, 600 facsimiles.

PUBLICATIONS. *Annual Report*; *Bulletin* published twice a year with annual supplements recording "Historical Research for University Degrees in the United Kingdom," and "Teachers of History in the Universities of the United Kingdom," and occasional Special Supplements. *Victoria History of the Counties of England* (General Editor. R. B. Pugh, M.A. Oxon.). The Univ. publication, *School of History and Institute of Historical Research*, serves as a handbook to the Institute.

THE YEAR 1948–49

NEW APPOINTMENTS. Prof. J. G. Edwards took up his duties as Director on September 1, 1948 R. B Pugh succeeded L F. Salzman as Editor of the *Victoria County History* in November 1949. Mr. E. L. C. Mullins was appointed Guide Assistant in October 1949 to prepare for publication the main *Guide to the Historical Publications of the Societies of England and Wales*.

ACTIVITIES. Twenty-five postgraduate courses and seminars were offered for the session 1949–50. Six Res. Fellowships tenable at the Inst. in 1949–50 were awarded. The Julian Corbett Prize in Naval History was awarded in 1948 and again in 1949. A three-day Anglo-American Conference of Historians was held in July 1949.

MEMBERS. 373.

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.

Telephone: Museum 9782/3.

CHAIRMAN OF COUNCIL—Prof 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 Lectr

Czechoslovak

Mann, S. E., M.A. Brist. Lectr

History, Central European

Betts, R. R, M.A. Oxon and Birm Head of Dept and Masaryk Prof

History of Danubian Lands

Auty, Phyllis, B A, B.Litt Oxon Lectr.

History of Eastern Europe, Economic and Social

Warriner, Doreen, O.B.E., B.A. Oxon, Ph.D Lectr

History, Modern Russian

Mosse, W. E, M A. Camb. Lectr

History, Polish

..... Lectr

Hungarian

Cushing, G. F, B A Camb Lectr.

Polish

..... Lectr.

Roumanian

Tappe, E. D., M.A. Oxon. Lectr.

Russian

Matthews, W K, M A Manc., Ph D Prof.

Malnick, Bertha, B A Camb, Ph D Reader.

Brodiansky, Nina, B A Camb. (Lit.) Lectr.

Hare, The Hon Richard, M A Oxon (Lit) Lectr.

Jukova, Valentina Lectr

Hingley, R F., M A Oxon. Lectr

Seeley, F F, M A. Oxon Lectr

Russian Economic History

..... Lectr.

Slavonic Philology, Comparative

Nandris, G., Ph D Cracow Prof.

de Bray, R G. A., B.A Lectr.

Yugoslav

Javarek, Vera, B.A. Lectr.

Panel of Additional Lectrs.

Birnbaum, S. A., Ph.D. (East-European Jewish Studies).

Zernov, N., Ph.D. (Russian Church History).

GENERAL INFORMATION

Established at King's Coll., 1915. Since Aug. 1932 a dept. of the Univ. in Arts. Library, 25,000 vols.

FEES. 4 gns. to 34 gns. per session.

COURSES. Teaching provided in the lang., lit., hist. and econ. of Russia and the countries of Eastern and Central Europe (excluding Germany). Special facilities for res. and postgraduate work. A Diploma is open to students who have not matriculated at the Univ.

PUBLICATIONS. *Slavonic and East European Review* (twice a year) £1 : 5s. p a.

THE YEAR 1948–49

NEW POST Lectureship in Modern Russian History.

STUDENTS Total · 311 ; full-time : 117 ; pt.-time : 194 ; the total includes 102 women and 38 postgraduates.

DEGREES. Ph.D. (Russian), 1 ; M.A. (Russian), 3 ; B.A.Hons. (Russian), 19 ; Academic Diploma (Polish), 1, (Yugoslav), 1.

UNIVERSITY OBSERVATORY

Founded 1929

Mill Hill Park, N.W.7.

Telegrams (for overseas use only): Comtelast London.

Telephone: Mill Hill 1618.

DIRECTOR—C. C L GREGORY, M A. Camb., D.I.C., F.R.A.S.

The UNIVERSITY OBSERVATORY is situated in Mill Hill Park, London, N.W.7, on a site granted by the Hendon Urban District Council on a 999 years' lease at a nominal rent. It contains a 24-inch reflecting telescope, the gift of Mr. J. G. Wilson; a 24-inch photographic and 18-inch visual twin refractor, the gift of the Radcliffe Trustees; an 8-inch refracting equatorial telescope, the gift of Mr. H. R. Fry; and a spectrographic laboratory. The work of the Observatory is designed to meet the needs of postgraduate research workers in Astronomy. The main work in progress consists of—(*a*) parallax determinations, (*b*) proper motions, (*c*) spectra of "early-type" stars. A stellar spectrograph is available for work in the ultra-violet, and a coelostat for solar work in conjunction with a ten-foot Rowland grating spectrograph.

The Observatory is normally open to all properly qualified students of the University. Application for admission should be made to the Director.

WARBURG INSTITUTE

Incorporated 1944

Imperial Institute Buildings,
South Kensington, S.W.7.

Telephone: Kensington 9077 and 7727.

DIRECTOR—Prof. H. FRANKFORT, Ph.D. Leiden, M.A., F.S.A.

TEACHING STAFF

History of Classical Tradition
Bing, Gertrud, Ph.D. Hamburg
Asst. Director.

History of Preclassical Antiquity
Frankfort, Henry, Ph.D. Leiden, M.A., F.S.A. Prof.

History of Art
Buchthal, Hugo, Ph.D. Hamburg
Reader.

Comparative Literature
Yates, Frances Amelia, M.A.
Editor of Publications

The object of the Institute is to provide facilities for research on the Character and History of the Classical Tradition. Its scope includes the History of Thought and Literature, 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 periodicals, and the collection of photographs (about 200,000) includes sections on the survival of classical types, on mythology, symbolism, social activities, etc.

NON-MEDICAL SCHOOLS

BEDFORD COLLEGE *

Founded 1849

Inner Circle, Regent's Park, N W 1
Telegrams: Edforcoll, Norwest, London.
Telephone: Welbeck 5743.

VISITOR—The Rt. Hon. LORD MACMILLAN, P C, G.C V O, LL D.
CHAIRMAN OF COUNCIL—Sir CHARLES TENNYSON, C M G
PRINCIPAL—Miss G. E. M. JEBB, M A Camb.
SECRETARY—Miss I. G SHEPPARD, B.A.
REGISTRAR—Miss N. McNAULTY, B A
BURSAR—Miss G E GRIFFITHS, B Sc.
RESIDENT TUTOR—Miss M. A. WILEMAN, M A. Oxon.
LIBRARIAN—Miss D BAINS, B A, F L.A.

TEACHING STAFF

Botany

Audus, L J., M.A., Ph D. Camb. Hildred Carlile Prof
Jones, W. Neilson, M.A. Camb Emeritus Prof.
Williams, W. T, B.Sc, Ph D Lectr
Wareing, P. F., B.Sc. Lectr.
Massey, Yolande, B.Sc, Ph D. Durh Asst. Lectr.
Rose, F., B Sc. Asst. Lectr.

Chemistry

Turner, E. E., M.A. Camb., D Sc, F R.I.C, F R S. Prof
Spencer, J. F., M.A., Ph.D. Breslau, D.Sc. Liv., F.R I.C. Emeritus Prof.
Smith, J. W., D.Sc. Reader.
Lesslie, Mary S., M.A., B.Sc., Ph.D. St. And. 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. Asst Lectr.
Howlett, K. E, B.Sc. Asst. Lectr.
Hargreaves, M K, B.A Camb., Ph D. Demr.

Classics

Stevens, P. T., M A Oxon., Ph.D. Aberd. (Greek) Prof.
Onians, R. B., M.A. Liv, Ph D. Camb (Latin) Hildred Carlile Prof.
Cary, M., M.A., D.Litt. Oxon. Emeritus Prof.
Ehrenberg, V. L., Ph D. Tübingen (Anc. Hist.) Reader.
Andrewes, Margaret, M A. Sr. (Latin) Lectr.
Holley, Nan M., M.A. Camb. (Greek) Lectr.

* For women.

Wilkinson, Mrs. Gillian A , M A. Camb (Latin) Lectr.
Lelièvre, F. J., M.A. Camb. (Latin) Asst. Lectr.

Dutch

Weevers, T., Lit.D. Leiden (Lang. and Lit.) Prof.
Huysinga, Aletta, Lit Docta Amsterdam Asst

Economics, v. Social Studies

English

Ellis-Fermor, Una M., M.A , B.Litt. Oxon , D Lit (Eng. Lit) Hildred Carlile Prof
Thomas, P. G., M.A. Camb , Litt.D. Liv. Emeritus Prof.
Tillotson, Mrs Kathleen M , M A , B.Litt Oxon (Eng. Lit.) Reader
Hodgson, Phyllis, M A. Camb., B Litt , D Phil Oxon , M A. Reader
Latham, Agnes M C , M A., B.Litt Oxon. Lectr.
Gradon, Pamela O. E., M.A. Oxon., Dip. Comp. Phil. Oxon., Ph D. Lectr.
..... Asst. Lectr
Midgley, E G , M.A. Oxon. Asst Lectr

French Language and Literature

Turquet, Mrs. Gladys R., M.A., D.Lit Prof.
Eccles, F. Y., M.A. Oxon. Emeritus 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, D. Univ. Paris, M.A. Lectr.
Laycock, Mrs. Blanche E., L. ès L. Paris Pt.-time Asst. Lectr.

Geography

Manley, Gordon, M.A. Camb., M Sc. Manc. Prof.
Smee, Dora K , M A , Ph D. Sr. Lectr.
Moodie, A E F , B A., Ph D. Lectr.
Timberlake, Eunice M , B Sc Lectr.
Mountjoy, A. B , M C , B A. Reading Lectr.
Vollans, Eleanor C., M A Oxon. Asst. Lectr.

Geology

Hawkes, L., D Sc Durh , F.G S. Prof.
Hughes, N. F., M.A. Camb. Lectr.
Jones, E , B.Sc Wales Demr.

German

Purdie, Edna, M.A. Liv., D.Lit. Prof.
Massey, Isabella M , Ph D. Marb. Reader.
Atkinson, Margaret E., M A. Asst. Lectr.
Eichner, H , B.A , Ph D. Asst Lectr

History, Mediæval and Modern

Penson, Lillian M., D Lit Belf., LL.D. Camb., Ph D (Mod. Hist.) Prof.
Greaves, R. W , M.A., D Phil. Oxon. Reader.
Tooley, Marion J , M A Sr. Lectr
..... Lectr.
Ramm, Agatha, M.A. Lectr
Du Boulay, F. R. H , M.A Oxon. Asst Lectr.
Schwitzer, Mrs. Joan, B.A. Asst.

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. Emeritus Prof.
Clark, G. L., M.A., Ph.D. Camb. Reader.

Kneebone, G. T, B.Sc., M.Sc., Ph.D. Lectr.
Fowler, Mrs. Enid, Math. Trip Camb, M.A. Pt.-time Lectr
Sargent, Winifred L. C., M.A. Camb., Ph.D. Lectr.
Hardiman, Nellie, J, B Sc Asst Lectr.
Ash, M. E., B.A. Camb, B.Sc. Asst.

Philosophy

Acton, H. B., B.A., D Phil. Oxon Prof
Macdonald, Margaret, M.A. Camb, Ph.D. Lectr

Physics

Flint, H T., Ph.D., M.Sc. Birm, D.Sc. Hildred Carlile Prof
Wilson, W., Ph.D. Leip, D.Sc, F R.S. Emeritus Prof.
Little, V. I., B.Sc. Lectr.
Williamson, E. Marjorie, M Sc. Lectr.
Mansfield, R., B Sc. Lectr.
Dale, Adeline M., B.Sc. Asst. Lectr
Hill, Nora E. Demr.

Physiology

Murray, Margaret, M.A., D Sc. Prof
Petrovskaia, Barbara, B.Sc., Ph.D., M.B., Ch.B. Edin. Lectr.
Cheesman, D. F., Ph.D. Lectr.
Bowie, Jane, B.Sc. Demr.

Psychology

Harding, D. W., M.A. Camb. Prof.
Wynn Reeves, Joan, Ph.D. Pt.-time Lectr.
Shimmin, Sylvia B. N., B.Sc. Asst Lectr.

Social Studies and Economics

Wootton, Mrs. Barbara, M.A. Camb. Prof.
Williams, Mrs. Gertrude, B.A Manc. (Social Econ.) Reader.
Pinchbeck, Ivy, M.A., Ph.D. Sr. Lectr.
Reid, Mrs Helena, M.A. Camb. Emeritus Lectr
The Principal Lectr.
Rooff, Madeline M, B A Tutor.
McIntosh, Mrs Marjorie, B.A. Oxon. Tutor.
Pollard, Mrs. Beatrice, B A. Pt.-time Asst.

Zoology

Fox, H. Munro, M A. Camb., F.R.S. Prof
Ince, Frances E, M Sc Sr. Lectr
Walshe, Barbara M., M.Sc. Birm., Ph.D. Lectr.
Gilchrist, Barbara M, B.Sc. Demr.
Hosking, Wendy M., B.Sc. Demr.
Purves, E. Museum Asst.

GENERAL INFORMATION

Founded 1849. A School of the Univ. in Arts and Science. Tate LIBRARY and Wernher Reading-Room contain 85,000 vols. (not including pamphlets). Special facilities for Research work in the LABORATORIES (Bot., Chem., Geol., Physics, Physiol., Psych. and Zool.).

Minimum age for admission, 18. Students are prepared for all examns. of the Univ. of London in Arts and Science, and for the College Certificate in Social Studies.

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.). Union Society: 16s. Athletic Union: £1: 6s.

SCHOLARSHIPS for Graduates. Eight for research in Arts or Science—Amy Lady Tate, £120 p a. for 2 yrs.; Beilby Research, £120; Busk-Howell, £90; Gamble, £40; Notcutt Travelling Studentship, £200; Holland Crompton Memorial Scholarship for research in Chem., £30; Lady Huggins Scholarship in Sociol., £120, open to graduates of approved Univs.; Susan Stebbing Studentship in Philosophy, £150 3 Postgraduate Fellowships of £300 each

PUBLICATIONS. *Calendar*, post free, 3s. 6d. *B C. Union Magazine* (Students).

THE YEAR 1948-49

BENEFACTIONS. £400 from Dr. N. Edkins, former Head of the Dept. of Physiol. for the endowment of a prize in Physiol. in memory of Prof. J. S. Edkins, first Hd. of the Dept. £200 from the late Prof. Edgell to augment the existing Victoria Hazlitt Memorial Fund. £500 from the late Mrs. C. Lyndon, former student, and £3500 from the late Mrs. K. Thomson, former student. These unconditional legacies are to be used for the endowment of a fund for the acquisition of art treasures and musical instruments. £1000 from the late Miss Florence Hughes for the endowment of a scholp. in Science.

NEW BUILDINGS. The reconstruction of the Herringham Building is proceeding and the completion date is given as Dec. 1950. The reconstructed Oliver Building is now in use.

CENTENARY CELEBRATIONS. The Centenary of the foundation of the College was celebrated in May 1949. The main event was an assembly and garden party on May 19, graciously attended by H.M. Queen Mary, Patroness of the College, and by the Chancellor of the University and H.R.H. Princess Alice.

NEW POSTS. Chair of Italian in place of Readership; Asst. Lectureship in Botany.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof H. B. Acton, Hd. of the Dept. of Philos., went as Visiting Prof. to the Univ. of Chicago from March to Aug. 1949. Prof. Edna Purdie, Hd. of the Dept. of German, lectured in the Univs. of Bonn and Berlin in the summer of 1949.

RESIGNATION. M. R. Ridley, pt.-time Lecturer in English, to take up an appt. in America.

DEATH. Sir William Hale-White, K.B.E., LL.D., M.D., F.R.C.P., Fellow of the College and former Chairman of Council.

STUDENTS. Total: 874; full-time: 831; pt.-time: 43; the total includes 86 postgraduates.

DEGREES. B.A., 98; M.A., 10; Ph.D. (Arts), 2; B.Sc., 70; M.Sc., 4; Ph.D. (Science), 3.

BIRKBECK COLLEGE

Founded 1823

Fetter Lane, E.C.4.
Telephone : Holborn 2245 and 5555.

PATRONS—H.M. THE KING ; H.M. THE QUEEN ; H.M. QUEEN MARY.
PRESIDENT OF THE COLLEGE—.....
CHAIRMAN OF THE GOVERNORS—Deputy ALFRED KING-HAMILTON.
ACTING MASTER—Prof E. H WARMINGTON, M.A. Camb., F.R.Hist.S.
CLERK TO THE GOVERNORS—G. F. TROUP HORNE, B A.
REGISTRAR AND SENIOR TUTOR—DOUGLAS DAKIN, M A., Ph D.
LIBRARIAN—JOSEPH W. SCOTT, B.A.

TEACHING STAFF

Botany

Ingold, C T., D Sc. Belf., F L S — Prof *
..... — Reader.
Wilson, K , M Sc , Ph.D. — Lectr.
Plunkett, B E , B Sc. — Lectr.
Rosser, Effie M , B Sc. Wales — Lectr.
Alvin, K. L., B Sc. — Lectr.

Chemistry

Wardlaw, W., C.B.E., D.Sc. Durh., F R.I.C. (Phys. Chem) — Prof.*
Ives, D J G., D Sc , Ph.D., F R.I C — Reader.
Barton, D. H. R., D.Sc., F R.I.C. (Org. Chem) — Reader.
Rigby, W., B Sc , Ph.D. — Lectr.
Pittman, R. W., B.Sc., Ph.D. — Lectr.
Bowman, R. E , B Sc., Ph.D. — Lectr.
Ingram, V. M., B Sc., Ph.D. — Lectr.
Bartley, W. G , B.Sc. — Lectr
Taylor, A. J., B.Sc. — Lectr.
Bradley, D. C., B.Sc. — Lectr.
3 Demrs.

Classics and Ancient History

Warmington, E. H , M A. Camb. F.R.Hist S. — Prof.'
Jones, D. M., M.A. Oxon. — Reader
Way, A. G., M A. — Lectr.
Whiteley, J. L., M.A , Ph.D. — Lectr.†
Webster, Amy M. D., M.A. Oxon. — Lectr.†

Dutch

Weevers, Th , Lit.D. Leiden — Prof.
Huysinga, Aletta, Lit. Docta. Amsterdam — Lectr.†

English Lang. and Lit.

Tillotson, G., M.A., B.Litt. Oxon. (Lit.) — Prof.*
Daunt, B. Marjorie, Final Eng. Hons. Oxon. (E. Lang.) — Reader.
Freeman, Rosemary, M.A., Ph.D. Camb. — Lectr.
Brooks, H. F., M.A., B Litt., D.Phil. Oxon. — Lectr.
Evison, Vera I., B A. — Lectr
Davidson, Hilda, B.A., Ph.D. Camb. — Lectr.†

* Head of Dept.

† Pt.-time Lectr.

Hardy, Barbara G , M.A Lectr

French Lang and Lit.

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.
Gould, Mrs. Marjorie, B.A Lectr.
Aubry, Alice, L. ès L. Clermont-Ferrand, Ph D. Lectr.
Fearn, Marguerite-Liliane, L. ès L., B.A. Lectr
Curra, Henriette, M.A. St And., B.A. Lectr †

Geography

East, W. G., M.A Camb. Prof.*
Henderson, H. C. K., M.A , B Sc. Glas , Ph D. Lectr.
Campbell, Eila M. J., M A Lectr
Brookfield, H. C , B A. Lectr.
Dury, G., M A. Lectr.

Geology

Dollar, A. T. J , B.Sc., Ph D. Reader *
Spath, L. F., D.Sc , F.R S., F.G S Lectr
Seager, A. F., B Sc , F G S. Lectr

German

McClean, R. J., Dr.phil. Königsberg, M.A. Prof *
Robson-Scott, W. D., M.A. Oxon., Ph.D. Vienna Lectr
Hamilton, Johanna, Ph.D. Bonn Lectr.

History

Darlington, R. R , Ph D Reading, B A , F.R.Hist.S., F.S.A. Prof.*
Dakin, D., M.A. Camb., Ph.D., F.R.Hist.S. Lectr.
Ruddock, Alwyn A., B.A., Ph.D., F.R.Hist.S. Lectr
Hobsbawm, E. J., M.A. Camb Lectr.
Saltman, Avrom, M.A. Camb. Lectr.
Drus, Ethel, M.A. Cape T. Lectr.

History of Art

Pevsner, N. B. L , M.A. Camb., Ph D. Leipzig Lectr.*
Murray, P. Lectr †

Italian

Bassani, A M , D.Sc Naples Lectr.

Mathematics, Pure and Applied

Offord, A C., Ph.D. Lond and Camb., D.Sc. Prof.*
Cooke, R. G , D Sc Reader.
Cooper, J. L. B., B Sc. Cape T., B.A., D.Phil. Oxon. Reader.
Tiffen, R. W., M Sc. Lectr.
Klein, G., M.Sc. Lectr
Edwards, R. E., B Sc. Manc. Lectr.
Vermes, P , B.Sc., Ph D Lectr
Henstock, R , M.A. Camb , Ph.D. Lectr.
Rosenbaum, L B , M.Sc. Lectr

Philosophy, Logic and Ethics

Joad, C E. M , M.A. Oxon , D Lit. Reader *
Saw, Ruth L , B A , Ph D. Lectr.
Peters, R. S., B.A. Oxon., B.A., Ph D. Lectr.†

Physics

Bernal, J. D , M A. Camb., F.R.S. Prof.*
Furth, R., Dr.Phil. Prague, F I P. (Theoret. Phys.) Reader.
Nettleton, H. R., D.Sc. Lectr.
Siday, R. E., B.Sc. Lectr
George, E. P., B Sc., Ph D Lectr
Cusack, N. E., B.Sc. Lectr.
Ehrenberg, W., Ph.D. Heidel., M.Sc., F.I.P. Lectr.†
Michaelis, E. G., B.Sc. Lectr.†
8 Demrs.

Psychology

Mace, C. A., M.A. Camb., D.Lit. Prof.*
Rodger, A., M.A. Camb. Reader.
Bartlett, R. J., M.Sc. Lectr.†

* Head of Dept.

† Pt.-time Lectr.

Hadfield, J. A., M A Oxon., M.B., Ch.B. Edin. Lectr.†
Smith, May, O.B E., M.A. Manc., D.Sc. Lectr.†
4 Demrs.

Spanish

Grice-Hutchinson, Marjorie, B.A. Lectr.

Zoology

Graham, A., M A., B.Sc. Edin., D.Sc Prof.*
Fretter, Vera, D.Sc., Ph.D. Reader.
Hughes, T. E., M.A. Oxon. Lectr.
Nisbet, R. H., B.Sc. Lectr.
Caswell, G H , B Sc Lectr.
3 Demrs

GENERAL INFORMATION

Founded 1823 by Dr. George Birkbeck " 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." A School of the Univ. in Arts and Science for evening and part-time students in full-time paid employment during the day and full-time postgraduate students. Playing Fields (18 acres) at Greenford.

LIBRARY. 35,000 vols., including special Science Departments, at the end of Session 1948–49.

COURSES. Complete courses for degrees in Arts and Science, for the Academic Diplomas in Geography and Psychology and for the Royal Inst. of Chemistry examns.

FEES. Annual Composition fees, including subscription to Students' Union: Arts (including Mathematics in both Faculties), £11. Science (incl. Geography and Psychology in both Faculties), £13: 10s. Postgraduate work, evening and part-time, £5-£11, whole time, £7: 10s.-£22, according to Faculty and Degree.

PUBLICATIONS. *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).

THE YEAR 1948–49

Work on the new bldg. in Malet Street made steady progress, although it is not expected that it will be ready for occupation before 1951. The Fac. of Arts, including the Dept. of Maths., continued to occupy lecture-room accomm. in the Inst. of Educn, the School of Oriental and African Studies and the London School of Hygiene and Tropical Med., and its headquarters at 29 Russell Sq., opened at the beginning of the Session 1947–48, provided comfortable rooms for staff and students to study or relax.

Lectures held during the year included an Inaugural Lecture by Prof. A. C. Offord, the new holder of the Chair of Maths., an Inter-Fac. Lecture by Prof. G. Tillotson and the Haldane Memorial Lecture, delivered by Sir John Anderson. The 125th Anniversary of the Coll. was celebrated, the oration being given by Prof. Lilian M. Penson, Vice-Chancellor of the Univ.

STUDENTS. Total: 1506; full-time: 72; pt.-time: 1434; the total includes 583 women and 233 postgraduates.

DEGREES. B.A., 59; M.A., 7; Ph.D. (Arts), 3; B.Sc., 51; M.Sc., 7; Ph.D. (Sci.), 3; D.Sc., 1.

* Head of Dept. † Pt.-time Lectr.

IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY

Founded 1907

Prince Consort Road, S. Kensington. S.W.7.
Telephone Kensington 4861.

VISITOR—H.M. THE KING.

CHAIRMAN OF THE GOVERNING BODY—The Rt. Hon THE VISCOUNT FALMOUTH

RECTOR—Sir RODERIC HILL, K.C.B., M.C., A.F.C.

CLERK TO THE GOVERNORS (Secretary of the Imperial College)—G. C. LOWRY, T D., M.A. Camb.

ASST SECRETARY AND REGISTRAR—E. F. CUTCLIFFE, B A. Oxon.

TEACHING STAFF

Aeronautics

Hall, A. A., M.A. Camb , F.R Ae.S. Zaharoff Prof and Head of Dept
Hill, F T , F R.Ae S. Asst Prof.
Hadji-Argyris, J , M Sc. Reader.
Roberts, H., Ph.D , B.Sc (Eng) Lectr.
Thwaites, B., B A. Camb. Lectr.
Fink, P. T., B.Eng. (Ae.) Syd. Asst Lectr.
Irving, F. G , B.Eng , D.I C. Asst Lectr.

Special Lecturers

Langley, M., F.R Ae S.
Wheeler - Robinson, B., M A. Camb , Ph D.
Williams, D., D.Sc. Wales.

Applied Chem., v. Chem. Eng.

Astrophysics, v. Physics

Bacteriology, v. Bot.

Biochemistry, v. Bot.

Biology, v. Bot., Zool.

Botany

Brown, W , M.A. Edin , D.Sc., D I C , F R S (Plant Path) 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. Asst Prof. and Univ. Reader.
Jacobs, S. E., D.Sc Reader.
Howarth, F., B.Sc., F.L.S. Sr. Lectr.
Pratt, Clara A , M.A Camb., Ph.D., D I C., F.L.S. Lectr.
Rutter, A. J., Ph.D Lectr.
Wood, R. K. S., B.Sc., Ph.D. Lectr.
Levy, J. F., B.Sc. Lectr.
Montgomery, Nancy, B.Sc. Lectr.
Spanner, D. C., B.Sc. Asst. Lectr.
Lacey, Margaret S., D.Sc. Asst. Lectr.
Russell, J., B.Sc. Asst. Lectr.
Percy, Dorothy, B.Sc Demr.
Ford, Elsie M., B.Sc. Demr.

Flentje, Mrs. Judith, B.Sc Syd Demr
Smieton, Margaret J., B Sc Asst. Lectr
Heath, O. V. S., D.Sc., Ph.D , D.I.C. Sp. Lectr.
Findlay, W. P. K., D Sc., D.I.C. Sp. Lectr

Chemical Engineering and Applied Chemistry

Egerton, Sir Alfred C G., M.A. Oxon., B Sc., F.R I.C., F I.P., F.R S.
Prof. and Hd of Dept
Finch, G I , M.B E , Dip. Tech. Chem. Zurich, D Sc Bruss., F R.S.
(Applied Phys Chem) Prof
Newitt, D. M , M C , D.Sc , Ph D., D I C , F.R S
Courtaulds Prof of Chem Engin.
Himus, G. W , Ph.D., D I.C., F.I.F.
Asst. Prof. and Univ Reader
Coulson, J. M., M.A. Camb , Ph D , D.I C. Sr. Lectr
Barrett, L. R , B A , B Sc , M S Lectr
Wilman, H , Ph.D , D.I.C., F Inst P. Lectr.
Burgoyne, J H , D Sc , Ph.D., D.I.C. Lectr
Richardson, J. F , B.Sc. (Eng.) Lectr
Strickland-Constable, R., M.A. Oxon. Lectr.
Haselden, G. G., Ph D. Lectr.
Anderson, G. H., B.Sc. Asst. Lectr.
Weale, K. E., Ph.D. Asst. Lectr.
Bluhm, M. M., B.Sc. Asst. Lectr.
Eyre, D. M. V., B.A. Demr.
Saunders, H. L., Ph.D Lıv. Sp. Lectr.

Chemistry

Briscoe, H. V. A., D.Sc., D.I.C., F.R.I C.
(Inorg. C.) Prof , Director of Inorg. and Phys. Chem. Labs.
Linstead, R P , C B E., A.M. Harv., D Sc., Ph.D.
(Org C) Prof and Director of Org. Chem. Labs.
Eldridge, A. A , B.Sc., F.R I C. Asst. Director.

Asst Profs. and Univ. Readers

Theobald, L. S., M Sc , F.R.I C. (Analyt. C.)
Tompkins, F. C., Ph D. Brist. (Phys C.).
Rydon, H. M , D Sc., F.R.I.C. (Org C.).

Senior Lecturers

Eldridge, A. A., B.Sc., F.R.I.C. (Inorg. Chem. and Food and Drugs)
Pollard, A. G., B.Sc., D.Sc., F.R.I.C.

Lecturers

Bull, P. C., D.S.O.
Roberts, E R , Ph D , D I.C.
Kitchener, J. A , Ph D.
Welch, A. J. E , Ph D , D I C.
Barton, D. H. R., D.Sc., D.I.C.
Carlton, Margaret, Ph.D.
Hannen, J. T., M A.
Owen, L. N , Ph.D , F R.I.C.
Braude, E A., Ph D
Weedon, B C. L., Ph.D., D.I C.
Elvidge, J. A., Ph.D., D.I.C.
Bockris, J. O'Mara, Ph D.
Herringshaw, J. F., Ph D.
Atkinson, B., B Sc

Asst. Lecturers

Cornfield, A. H., M.Sc , D.I C
Archer, B. L., B Sc.
Dalziel, Mary E., B.Sc.
David, I., B.Sc.
Parsons, R., Ph.D.

Hills, G. J., B.Sc.
Meek, G. A , B.Sc.
Demonstrator
Doyle, W. P., B.Sc.

Engineering, Civil

Pippard, A. J. S., M.B E., D.Sc., F.R.Ae S.
Prof. and Hd of Dept.
Baker, A. L. L., B.Tech.
Prof. of Concrete Technol.
White, C. M., D.Sc. (Eng), Ph.D.
Prof of Fluid Mechanics and Hydraulic Engin.
Skempton, A. W., M.Sc (Eng), D.I.C.
Asst. Prof. and Univ. Reader
Sparkes, S. R., M Sc. Bristol, Ph.D., D.I.C
Asst. Prof. and Univ Reader.
Stephenson, A., O B E., M A.Camb
Asst. Prof. and Univ. Reader.
Manton, B. G., B Sc (Eng), D I C Sr. Lectr
Bruce, F. E., M.Sc. (Eng.)
Rockefeller Fellow.
Duncan, J E , B.Sc. (Eng.) Lectr.
Ashby, R. J., M Sc (Eng.), D I.C. Lectr.
Wolf, P. O., B.Sc. (Eng.) Lectr.
Francis, J. R. D , B.Sc.(Eng.) Lectr.
Ainsworth, H., M.A. Camb. Lectr.
Bishop, A. W , M.A. Camb. Lectr.
Chitty, Letitia, M.A., D.I.C., F.R.Ae.S. Lectr.
Henderson, J. C. de C., D.I.C Lectr.
Clarke, D. A., B.Sc. Asst. Lectr.
Brown, E. H., B.Sc. Asst. Lectr.
Gifford, F. W., B.Sc. (Eng.)
Asst. Lectr.
Falconer, B. H., B.E. Asst. Lectr.

Engineering, Electrical

Jackson, W., D.Sc. Manc., D.Phil. Oxon. Prof. and Hd. of Dept.
Rushton, A., M.Sc. Manc.
Asst. Prof. and Univ. Reader.
Gabor, D., Dr.Ing. Berlin
Asst. Prof. and Univ. Reader.
Cherry, E. C., M.Sc. (Eng.)
Asst. Prof. and Univ. Reader.
Urwin, C R. Sr. Lectr.
Hopkin, D. W. Sr. Lectr.
Tombs, D. M., M.Sc. (Eng), D.I.C. Sr. Lectr.
Kayser, H. D., M.Sc. Lectr.
Park, H. E. Lectr.
Rutenberg, D., B Sc Lectr
Jackson, E H. T., D.F H. Lectr.
Watts, R. D., B.Sc. Lectr.
Brooks, G. R., M.Sc. Lectr.
Slemon, G. R., M.A.Sc. Tor. Asst. Lectr.
Lamb. J., Ph D., M Sc. Lectr.
Humphrey Davies, M. W., M.Sc. Wales Lectr.
Prigmore, B J., M A Camb. Lectr.
McKenna, M F , B Sc Asst. Lectr.

Engineering, Mechanical

Saunders, O A , M A. Camb., D.Sc (Eng.), F.Inst.P.
Prof. and Hd. of Dept
Howard, J. V., D.Sc. (Eng.)
Asst. Prof. and Univ. Reader.
Heywood, H., D.Sc. (Eng.), Ph D.
Asst. Prof. and Univ. Reader.
Fishenden, Margaret, D Sc , F.Inst.P
Asst. Prof. and Univ. Reader.
Ford, H., D.Sc., Ph.D.
Asst. Prof. and Univ. Reader.
Dyson, F., B.Sc. (Eng.) Sr. Lectr.
Collins, W., B.Sc. (Eng.) Sr. Lectr.
Cawley, G. M. Sr. Lectr.
Glaister, E. E., Ph.D., M.Sc. (Eng.), D.I.C. Sr. Lectr.
James, J. W., Ph.D., D.I.C. Sr. Lectr.
Lewitt, E. H., Ph.D. Lectr.
Hoyle, R. D., B.A. Camb. Lectr.

Treharne, T. L. G., B.Sc. (Eng.) Lectr.
Beal, A. E Lectr.
Chalk, J. T , M.Sc. Lectr.
Moore, N. P. W., B Sc. (Eng.) Lectr.
Grootenhuis, P., B.Sc. (Eng.) Lectr.
Cole, E. H., B.Sc. (Eng) Asst. Lectr
Tyler, R. D., B Sc. Asst. Lectr.
Dallender, J. A , B Sc. Asst Lectr
Ogorkiewicz, R. M , B.Sc. (Eng), D.I.C. Asst. Lectr.
Mode, W. F , Dip Ing. Berlin Sp. Lectr.
Barwell, F. T., Ph.D., D.I.C. Sp. Lectr.
Rowell, H. S., O B.E., D.Sc. Sp. Lectr.

Entomology, v. Zoology

Fuel, v. Chemical Engin. and Applied Chemistry

Geology

Read, H. H., D Sc., F.G.S , F.R S. Prof. and Hd. of Dept
Illing, V. C., M.A. Camb., F.R.S. Prof. of Geology (Oil Technology)
Williams, D., Ph.D., M Sc , B Eng , D.I C , F.G.S. Asst. Prof. and Univ. Reader.
Broughton Edge, A B., B.Sc., D I.C. Hon. Lectr.
Blyth, F. G. H., M.Sc., D.I.C., F.G.S. Lectr.
Coomber, S. E , B.Sc. Lectr.
Wilson, G., M.Sc., Ph.D., D.I.C., F.G.S. Lectr.
Hobson, G. D , Ph.D., D.I.C. Lectr.
Leech, J. G. C., D.I.C., F.G.S. Lectr.
Jones, F., T.D., Ph.D., M.Sc., F.G.S. Lectr.
Webb. J. S., Ph.D., D.I.C. Lectr.
Sutton, J., B.Sc. Lectr.
Thomas, G., B.Sc. Asst. Lectr.
Carter, D. J., B.Sc. Asst. Lectr.
Pitcher, W. S , B Sc., F.G S. Asst. Lectr.
Millman, A. P., B Sc. Asst. Lectr.
Shearman, D J., B.Sc., F.G.S. Asst. Lectr.
Higginbottom, I. E., B.Sc Demr.
Tozer, C. F , B.Sc. Demr.

Geophysics, Applied, v Physics

Mathematics and Mechanics

Levy, H., M.A., D.Sc. Oxon., D.Sc. Edin Prof. and Hd of Dept.
Jones, H., Ph D. Leeds and Camb. Prof
Bickley, W G , D Sc. Prof

Asst. Profs. and Readers

Kebby, C H., M Sc
Price, A T , M Sc.
Barnard, G. A., M.A. Camb.

Senior Lecturers

Roth, L., M.A. Camb.
Meksyn, D , D Sc., Ph.D. (Pt-time).

Lecturers

Hatley, A. J , M A.
Preidel, E E , M Sc
Allen, D. N de G , M.A Oxon.
Lloyd, E. H , Ph D , D I.C.
Whitrow, G. J., M.A. Oxon., D Phil.
Talbot, A , M A Camb.
Mautner, A. J., B Sc
Tocher, K. D., B.Sc
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.

Asst. Lecturers

Lang, Eleanor D., M.A.
Young, Rosalind C. H., Ph.D.
Vaisey, M. Gillian, B.Sc
Evans, G. B. A., B.A. Camb.
Thompson, R. S. H. G., B.Sc.

Demonstrators
Moshkowitz, Freda, B.Sc.
Edge, J., 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
Asst Prof and Univ Reader.
Yeoman, E. W., M.Sc, D I.C, F R I C
Asst. Prof. and Univ. Reader.
Chapple, H. M. Sr. Lectr.
Harris, R H., B.Sc (Eng.) Lectr.
Pearse, L. E. B, F R I C Lectr
Evans, G. L., B.Sc Lectr
Tweeddale, J G Lectr
Thomas, D L, B Sc. Wales Lectr
Selfe, F. L, F.R.I C. Lectr
Phillips, E, B Sc. Wales Lectr.
Richardson, F. D, Ph D.
Nuffield Fellow.
Meteorology
Brunt, Sir D, M A., Sc D. Camb, F.R S Prof and Hd. of Dept
Sheppard, P. A., B Sc, F.Inst.P.
Asst. Prof. and Univ. Reader
Eady, E. T., B.A. Camb.
Univ. Reader.
Mason, B J., B.Sc. Lectr.
Scorer, R. S, M A. Camb. Lectr.
Mineralogy, v. Geol.
Mining
Ritson, J. A. S., D.S.O., M C., O B.E., T.D., B.Sc. Durh.
Prof. and Hd. of Dept.
Sillick, W. E. G., D.I.C. Asst. Prof.
Senior Lecturers
Davies, W., B.Sc. Wales, Ph.D. Leeds.
Sheppard, J. S., O B.E., B.Sc. (Eng.).
Pryor, E. J., D.I.C.
Lecturers
Jennings, H., B.Sc.
Thomas, T. L., M.B.E., B.Sc.
Fleming, M., B.Sc.
Richardson, J B.
Blyth, H. N., B.A., F.R.I.C
Mining Geology, v Geology
Oil Technology, v. Geol
Palæontology, v Geol.
Petrology, v. Geol.
Physics
Thomson, Sir George P, M.A. Camb., LL D. Aberd., F.R S.
Prof. and Dir of Labs
Martin, L. C, D Sc., D I C
Prof. of Tech Optics
Devons, S., M.A, Ph D. Camb
Prof
Gregory, H S., Ph D, D I C
Asst. Prof and Univ Reader
Wynn-Williams, C E., D.Sc Camb.
Asst. Prof and Univ. Reader
Pearse, R. W. B, D Sc, Ph D., D I C.
Asst Prof. and Univ Reader
Wright, W D., D.Sc, D I C
Asst. Prof and Univ. Reader.
Blackman, M, M.Sc. S.A., Ph D. Gött. and Lond., D.I C
Univ. Reader.
Bruckshaw, J. McG, M Sc, Ph.D., D.I.C. Univ. Reader.
Klemperer, O., Ph D. Berlin
Univ. Reader.
Jevons, W., D.Sc, D I C.
Hon Lectr
Stephens, R. W B., Ph D, D I C.
Sr. Lectr.
Lecturers
Johnson, B. K., D.I.C.
Cochrane, W., M.A., Ph.D.
Garton, W. R. S., B Sc
Kellner, Charlotte, Ph.D
Michiels, J. L., Ph.D.
Aharoni, J., Ph.D. Berlin.
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.
Asst. Lecturers
Brock, Helen L., B.Sc.
Pentz, M. J., M.Sc. Cape Town
Vincenz, S. A., B.Sc.
Demonstrators
Hester, A. G., B.Sc.
Folkierski, A., B Sc (Eng)
Pashley, D. W., B.Sc

Refractory Materials and Silicates, v Chemical Engin.

Technical Optics, v. Physics

Zoology and Applied Entomology

Munro, J. W., M A Oxon , D.Sc. Edin Prof and Hd. of Dept
Hewer, H R , M Sc , D I C. Asst. Prof and Univ. Reader.
Richards, O. W., M A., D.Sc. Oxon Asst. Prof. and Univ. Reader.
Jepson, W F., Ph.D , B Sc. Asst. Prof. and Univ Reader
Wagge, Lille E , B Sc. Lectr.
Murray, D R P , M.A., Ph.D. Camb Lectr.
Gorvett, H , Ph D Brist Lectr.
Waloff, Nadejda, Ph D. Lectr.
Jacobs, Brigitte, B Sc. Asst. Lectr.
Kermack, Doris M , B Sc Asst Lectr
Boratynski, K , Ph.D. Poznan Asst. Lectr.
Goto, H. E., B.Sc. Demr.

Research Institute in Plant Physiology

Gregory, Prof. F. G., D.Sc., D.I.C., F R S Director.
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
Barlow, H. W B , B Sc. Edin
Hatcher, E. S J., Ph D Bristol
Schwabe, W W , B Sc.

Biological Field Station

Munro, Prof J. W., M A Oxon., D Sc Edin. Director.
Page, A. B P , Ph D Asst Prof. and Univ. Reader.
Lubatti, O. F , D Chem M.Sc. Turin, Lectr.
Higgins, A E. H., D I.C. Lectr.
Davies, R. G , M.Sc. Lectr.

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 Associated 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 (Mining Geology, Oil Technology) ; Mathematics and Mechanics ; Meteorology ; Physics (Astrophysics, Technical Optics, Applied Geophysics) ; Zoology and Applied Entomology.

ROYAL SCHOOL OF MINES : Metallurgy, Mining, Mining Geology, Oil Technology.

CITY AND GUILDS COLLEGE : Aeronautics (Aerodynamics, Aero-Structures,

Aircraft Propulsion); Engineering—Chemical and Applied Chemistry, Civil, Electrical, Mechanical.

The total staff exceeds 200. 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 matriculated at 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 over £1,000,000. 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 50 members representing the Crown, the self-governing Dominions, 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. Intermediate courses are only available for Royal School of Mines students and for those taking Bot., Geol., Physics and Zool. at the Royal Coll. of Science; the requirements for admission are Matriculation standard in Elementary and Additional Maths., Physics, Chem., English and a foreign language. Candidates for admission to a post-intermediate course, in addition to satisfying the requirements for the Intermediate year, must have reached Intermediate standard; the subjects normally required are Physics, Chem., Pure and/or App. Maths.; for certain courses another subject may be accepted in place of Maths. The minimum age for admission is 17. Women are admitted on the same terms as men.

DIPLOMA AND OTHER COURSES. The undergraduate courses extend over 3 or 4 yrs. and lead up to an Associateship (A.R.C.S., A.R.S.M., A.C.G.I.), and, in the case of matriculated students, 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, at the rate of £63 per session; for full-time postgraduate students, £30 per session. 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: Beit Fellowship for

Scientific Research; Plimmer Fellowship; North Thames Gas Fellowship; Radiation Ltd. Fellowship; Leverhulme Studentship; Federated Foundries Ltd. Scholp.; Concrete Technology Bursaries; Hydro-Power Bursaries; Royal Dutch Shell Studentship in Geophysics.

AFFILIATION, ETC. The University of Sheffield is associated with the College for Advanced Studies in the Metallurgy of Iron and Steel.

APPOINTMENTS BOARD The College Appointments Board assists Associates and Members of the College to find employment on the completion of their College courses

HOSTEL. There is a residential hostel at the College, with accommodation for 90 students, at £13-£15 per term. Meals are provided by the Refectory at about 5s 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, with accommodation for 15 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*.

THE YEAR 1948–49

BENEFACTIONS. Rockefeller Foundation, $17,600 to cover the cost, 1949–1952, of a Res. Fellow at Imperial Coll.; £1200 p.a. for 7 yrs. from Standard Telephone & Cables Ltd. for the Henry Mark Pease Readership in Telecommunications; £700 p.a for 7 yrs from the Cement Makers Federation for a Lectureship in Concrete Technol.; £5000 p a. for 5 yrs for a Res Fellowship in Extraction Metall.

NEW BUILDINGS. Unwin Building, formerly the Royal School of Needlework; Chemical Technology Extension, Geometrical Optics Laboratory.

NEW DEPARTMENTS AND POSTS. Postgrad. school of Public Health Engin.; Junior Chair of Physics; Readerships in Appl. Entomol., Bacteriol., Geophysics, Physical Climatol., Telecommunications, Theoret. Physics.

OTHER DEVELOPMENTS. Student Health Service with visiting Dr. and permanent Nurse-Sec.

VISIT. Prof. H. H. Read visited the Univ. of Washington in the autumn term 1949 as their Walker Ames Prof. of Geol.

RESIGNATIONS. Prof. Sir Ian M. Heilbron (Organ. Chem.), to be Director of the Brewing Res. Labs. Dr. A. H. Cook (Reader in Organ. Chem.), to be Asst. Director of the Brewing Res. Labs.

DEATHS. Prof. Douglas Hay, member of Governing Body, 1947–49. Prof. Emer. C. H. Landor, Prof. of Engin., 1931–46. Rt. Hon. J. A. Beasley, member of Governing Body, 1947–49. Prof. Emer. C. L. Fortescue. Col. Sir Henry McMahon. Rev. Canon J. O. Hannay, Hon. Fellow. Dr. W. P. Wynne, Asst. Prof. in Chem., 1902–4, Honorary Fellow.

HON. FELLOWSHIPS. Dr. K. T. Compton, Chairman, M.I.T.; Dr. H. J. T. Ellingham; Col. Sir Henry McMahon; Dr. T. A. Rickard; W. Selkirk.

STUDENTS. Total: 1782; full-time: 1428; pt.-time: 354; the total includes 71 women and 795 postgraduates. In addition: 87 Res. Assts. and 29 Intercollegiate students.

DEGREES. B.Sc. in Science, 165; in Engineering, 130; higher degrees in Science: D.Sc., 7; Ph.D., 47; M.Sc., 5; higher degrees in Engineering: D.Sc., 1; Ph.D., 10; M.Sc., 8.

DIPLOMAS. A.R.C.S., 143; A.R.S.M., 41; A.C.G.I., 95; D.I.C., 148. Total: 427.

KING'S COLLEGE

Founded 1829

Strand, W.C.2
Telephone . Temple Bar 5651.

CHAIRMAN OF THE DELEGACY—Sir RALPH LEWIS WEDGWOOD, BART., C.B , C M G

TREASURER—Sir FREDERICK G. A BUTLER, K C.M G , C.B.

PRINCIPAL—Sir WILLIAM R HALLIDAY, M A. Oxon., LL D Glas.

DEAN—Rev. Canon E S ABBOTT, M A Camb.

SECRETARY—Sir THOMAS P. CREED, K.B E., M.C , K C., 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 Ed Prof
Wakeley, Sir C. P. G., K B E , D Sc., F R C.S. Lectr
Mackinnon, I. L., M B , Ch B N.Z Lectr
Muenter, A H., Ph D. Lectr
Rawlings, H , M Sc Lectr
Savage, D. E., M B , B.S Lectr.
Snell, R S , M B , B S Lectr
Ker, H. R , M.B., B.S. Lectr.

Bibliography, v. English

Biochemistry, v. Physiology

Biology, v. Zool.

Botany and Vegetable Biology

Bennet-Clark, T. A., M.A. Dub , Ph D. Camb., F.R.S., F.L.S. Prof.
Ball, Sir N G., Bart., M.A., Sc.D. Dub. Lectr.
Metcalfe, G., M.A., Ph.D. Camb. Lectr.
Carpenter, J., B.A. Camb. Lectr.
Sutcliffe, J. F., B.Sc. Leeds Asst Lectr.
Smith, C. E. D , B Sc Edin Asst Lectr

Chemistry

Hey, D. H , D.Sc. Manc , Ph D , F.R.I C Daniell Prof
Rideal, E. K , M.A Camb , Ph D. Bonn, D.Sc. Dub., F.R.S. Prof.
Style, D W. G., B Sc., Ph.D. Reader
Harper, S H , Ph D , D Sc. Reader.
Salmon, C S , M C., M Sc. Brist. Sr Lectr.
Dolley, L. G. F., T D., B Sc , Ph D. Sr. Lectr.
Singlehurst-Ward, L., B.Sc Lectr.
Gold, V , B Sc , Ph D. Lectr.
Honeyman, J., M A., B.Sc , Ph.D. St. And Lectr.
Williams, G. H., B Sc., Ph D. Lectr.
1 Demonstrator (pt.-time)

Classics, v. also History

Palmer, L. R., B.A. Wales, D Phil. Vienna, Ph.D. Camb. (Greek) Prof.

Maguinness, W. S., M A. Dub. (Latin) Prof.
Handford, S. A., M.A. Oxon. Reader.
Low, D. M , M A. Oxon. Lectr.
Gossage, A J., M.A. Oxon Asst. Lectr.
Williams, G W., B A Dub. Asst. Lectr.

Education

Judges, A V , B A , D Sc (Econ) (Hist of Educn) Prof
Hans, N., Ph D., D.Lit. Reader.
Blackwell, Mrs. Annie M , M A., B Sc Sr Lectr
Beales, A. C. F , M.A Lectr
Brown, P. P., B.A. Oxon. Lectr.
Wakeford, Mrs Dorothy A , B A. Lectr.
Murray, Mrs Freda M., B Sc Lectr and Supvr
Parish, E. Laura, M A Lectr and Supvr

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 , Ph D. (Mech. E) Prof
Ross, A. D., B.Sc. (Eng.), Ph.D. Edin. (Civil E.) Prof.
Rose, H. E , M Sc (Eng), Ph D. (Mech. E.) Reader.
Hendry, A. W., B.Sc. (Eng), Ph.D. Aberd. (Civ. E.) Reader.
Watts, F. G., M Sc. (Eng) Lectr.
Nash, J. K. T. L , B.A I., B.A. Dub. Lectr.
Steed, R W., B Sc. (Eng) Lectr
Zarek, J. M., B Sc. St. And., Ph.D. Lectr.

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

Bullough, G., M.A. Manc. Prof.
Garmonsway, G. N., M.A. Camb. (E. Lang and Lit.) Reader.
Mack, Frances M , B A., Ph.D. (E. Lang. and Lit.) Lectr.
Casson, L F , M A. Adel , B Litt. Oxon., Ph.D. Edin. Lectr.
Crow, J. W., M.A. Oxon. Lectr.
Sheard, J. A., B.A., Ph.D. (Philol.) Lectr.
Armstrong, W. A., M.A. Sheff., Ph.D. Yale (E. Lit.) Lectr.
..... Asst. Lectr.
Robinson, E. H., B A. Camb. Asst Lectr.
Sleigh, G F , M A. Aberd. Asst. Lectr.
Jones, Elizabeth, M.A. Asst. Lectr.

French

Stone, Louise W., M.A. (Romance Philol.) Reader and Head of Dept.
Jones, R. A., M.C., M.A. Sr. Lectr.
Landers, W. M , B.A., Ph.D. Lectr
Cocking, J M , M A. Lectr.
Weightman, J. G., B.A., B. ès L. Lectr.
Faure, F. J. L., Ag. de l'Univ. Lectr.
Suggett, Mrs. Helen, B.A., B.Litt. Asst Lectr.
1 Asst.

Geography

(In conjunction with staff of London School of Economics)

Wooldridge, S. W., D Sc. Prof.
Wood, H. J., B.Sc. (Econ.), Ph.D. (Historical Geog.) Lectr.
Balchin, W. G. V., M.A. Camb. Lectr.
Coleman, Alice M., B.A. Asst. Lectr.

Geology

Taylor, J. H., A.M. Harv., B.Sc., Ph.D. Prof.
Wells, A. K., D.Sc., F.G.S. Reader.
Prentice, J. E., B.Sc., Ph.D Lectr.
Elwell, R W. D., B Sc. Asst Lectr

German

Norman, F , M A. Prof.
Magill, C. P , M A. Camb., Ph.D. Lectr
Thoma, H. H. K , Dr Phil. Munich Lectr.
Fleet, Mrs. N. M., M A., D.Phil. Oxon. Asst. Lectr.
Knight, Dorothy, M.A. Asst. Lectr.
1 Asst.

Greek, Modern, and Byzantine History, Language and Literature

Jenkins, R J. H , M A Camb Koraes Prof.

History, v. also Greek

Williams, C. H., M.A. Camb. Prof.
Graham, G. S., M A. Ont., A.M. Harv., Ph.D. Camb. Rhodes Prof. of Imperial H.
Scullard, H. H., M.A. Camb., Ph.D. (Ancient H.) Reader.
Shaw, I. P., M.A. Oxon. Lectr.
Howard, C. H. D., M.A. Oxon. Lectr.
Hodgett, G. A. J., M.A. Lectr
Howard, M. E., M.A. Oxon. Lectr.

Law

Potter, H., Ph D. Birm., LL.D. (English L.) Prof.
Graveson, R. H., Ph D., S.J.D. Harv., LL.M. Sheff. (English L.) Prof.
Nokes, G. D., LL.D. (English L.) Reader.
Davies, C. E. P., M.A., B.C.L. Oxon. Lectr.
Kiralfy, A. K. R., LL.M., Ph.D. Lectr.

Other Lecturers

Barlow, A. C. H., M.A. Camb.
Hesketh, G. T., M.A., LL.M.
James, T. E., B.A , B.C.L. Oxon.
Kitson, E. K , B.A. Camb., LL.B.
Wellwood, J. W., M.A. Dub.
Tolson, Sylvia, M.B., LL.B. Asst. Lectr.

Mathematics, Pure and Applied

Temple, G., Ph.D., D.Sc., F.R.S. Prof.
Semple, J. G., M.A. Belf., Ph.D. Camb. Prof.
Leggett, D. M. A., M.A., Ph.D. Camb. Reader.
Rado, R., Dr Phil. Berlin, Ph D. Camb. Reader
Edwards, B A., M.Sc. Wales Sr. Lectr.
Scott, D. B., M.A. Camb. Lectr.
Davies, T. V , M Sc. Lectr.
Ruston, A. F., M.A. Camb. Lectr.
Dirac, G. A , B.A. Camb. Asst. Lectr.
Kilmister, C. W., M.Sc., Ph.D. Asst. Lectr.

Palæography

Wormald, F., M.A. Camb., F.B.A. Prof.

Pharmacology, v. Physiology

Philology, v. English and French

Philosophy

Hallett, H. F., M.A., D.Litt. Edin. Prof.

Physics

Randall, J. T., D.Sc. Manc., F.R.S. Wheatstone Prof.
Coulson, C A., M.A., Ph.D. Camb., D.Sc. St. And., F.R.S. (Theoretical Physics) Prof.
Champion, F. C., M.A. Camb., Ph.D. (Exp. Physics) Reader.
Price, W. C., B.Sc. Wales, Ph.D. Camb., F.R.I.C. (Exp. Physics) Reader.
Chapman, F. W., M.Sc., Ph.D. Lectr.
Stokes, A. R., M.A., Ph.D. Camb. Lectr.

M'Ewen, Marjorie B., Ph.D. St. And., B.Sc. Lectr.
MacKay, D. M., B.Sc. St. And. Lectr.
Trott, N. G., B.Sc. Asst. Lectr
Seeds, W. E., M.Sc. Dub. Asst. Lectr
1 Demonstrator (Pt.-time).

Physiology, Biochemistry and Pharmacology

McDowall, R. J. S., D Sc , M.D. Edin., F.R.C.P.Ed. Prof.
Robson, Wm., Ph.D. Edin., D.Sc. (Biochem.) Reader.
Brownlee, G., D.Sc Glas , Ph.D (Pharm) Reader
Hewitt, J. A., Ph.D. St. And., D Sc Sr. Lectr
Knox, J. A. C., M.D , Ch B Glas. Sr. Lectr.
Gorrill, F. S , B Sc., M.D. Lectr
Widdowson, T. W., L.D.S. Lectr
Quilliam, J. P , M Sc., M B., B.S. Lectr.
Munro, A. F., B.Sc., Ph.D. Aberd. Lectr.
Hall, J. E., M.B., B.S. Lectr.

Portuguese

Boxer, C. R. Camoens Prof.
Leitão, R A. A., M.A Coimbra Lectr.

Romance, v. French

Spanish Studies

Wilson, E. M., M.A., Ph D. Camb. Cervantes Prof.
Nadal, R M , Lic.-in-Law Madrid Lectr
Hamilton, Mrs. Rita, L. ès L Lille, B.A Lectr.
1 Assistant

Theology, v. p. 254

Zoology and Animal Biology

Danielli, J. F , D Sc., Ph.D. Camb. and Lond. Prof.
Dawes, B , D Sc., D I C Reader
Manton, Sidnie M., M.A , Ph.D., Sc.D. Camb , F R S. Reader.
Tribe, Margaret, D.Sc. Lectr.
Arthur, D. R., M.Sc. Wales Lectr.
Cloudsley-Thompson, J. L., M A. Camb. Asst Lectr.

GENERAL INFORMATION

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 South Kensington, were transferred to the buildings 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, v. *infra*. 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, v. *supra*. The Halley Stewart Laboratories of Physics Research, 30 Chesterford Gardens, Hampstead, were formally opened as a department of the College on May 4, 1933.

LIBRARIES (about 100,000 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. 1. Anat. and Physiol. 2. Bot. 3. Chem. Engin. 4. Chem. 5. Classics. 6 Educn. 7 Elect. Engin 8 Engin (Civ. and Mech.). 9. French. 10. Geog. 11. Geol. 12. German. 13. Hist. 14. Laws. 15. Maths. 16. Pharmacol. 17. Physics. 18. Portuguese. 19. Spanish. 20. 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.

FACULTIES AND DEANS. Arts, Prof. L. R. Palmer (Greek); Laws, Prof. H. Potter (Eng. Law); Natural Science, Prof. T. A. Bennet-Clark (Bot.); Medical Science, Prof. T. Nicol (Anat); Engineering, Prof. A. D Ross (Civil Engin.)

Evening Classes in the Faculty of Laws.

TUTOR TO WOMEN STUDENTS. Dorothy Brittain, M.A. Manc.

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 secondary Teachers (men and women).

Engineering students are provided with facilities for spending half of each summer vacation in engineering works. Those taking 4 yrs.' course spend part of each year (18 mos in all) in practical training.

OTHER COURSES. The Associateship of King's College is open to men and women who have graduated after 3 yrs.' course and have also attended prescribed course in Divinity.

ADVANCED STUDY. Special facilities in English (including Bibliography), History (especially Mediæval, Colonial and Ancient), Palæography, Portuguese, Spanish, Modern Greek, Education and several Depts. of Science. All Faculties accept students for postgraduate courses.

FEES. Tuition per Session, including fees for games, library and union society; Arts, 34 to 37 gs.; Laws, 21 to 34 gs.; Science, 34 to 50 gs.; Med., £40 to £44; Engin., 60 gs.

SCHOLARSHIPS. For undergraduates: In Arts 5, aggregate value £416 p.a.; Laws 1, ag. value £40 p.a.; Natural Science 6, ag. value £561 : 10s. p.a.; Medical Science 4, ag. value £165 p a.; Engineering 2, ag. value £100 p.a. Some of these are eligible for supplementation by the Ministry of Education. There are also a few open postgraduate scholarships.

ENTRANCE SCHOLARSHIPS in all Faculties.

RESIDENCE. "The Platanes," Champion Hill, S.E.5, for 90 men, fees: £110 for three terms.

A REGISTER OF FORMER STUDENTS is maintained, in which changes of address are recorded without charge.

PUBLICATIONS. Separate Syllabus for each Faculty post free. *Calendar*, 7s. 6d. post free; K.C. *Review*; Union Society *Handbook*; *King's Engineer*; *King's Counsel*; Old Students' Association *Year Book*.

THE YEAR 1948–49

BENEFACTIONS. I.C I., a sum of £2000 towards cost of constructing a high-voltage electron microscope. Sir Harry Railing, £200 for endowment of a prize in electr. engin. Dr. P. Argenti, 3 valuable folio vols. for the library of modern Greek.

NEW BUILDINGS. Accomm. at the Chesham Hotel, Surrey St., has been brought into use for academic and Students' Union purposes. The freehold of Montrose Court Hotel, Clapham Common, has been secured and the bldg. will be used as an addtl. hostel for men students.

NEW POST. Chair in Palæography.

OTHER DEVELOPMENTS. Entrance scholp. in Classics, tenable for 3 yrs., has been established. In Fac of Med Sci. 2 scholps. instituted, tenable for 1 yr. in either of the depts. of Anat. or Physiol., for students reading for the B.Sc. Special Degree.

EXTRA-MURAL WORK. The Coll. does not undertake extra-mural work, but a number of Public Lectures are given in the Coll.

RETIREMENTS Prof. W. T. Gordon, member of staff since 1913 and Prof. of Geol. from 1920 to 1949. Prof. Doris L. Mackinnon, member of staff since 1919 and Prof. of Zool. from 1927 to 1949.

RESIGNATIONS. Dr. D. F. S. Scott (German), apptd. Reader in German in Univ. of Durham. J. G Fleming (Laws), apptd. Hd. of Fac of Law at Canberra Univ. Coll., A C.T. J. Todd (Maths.), apptd. Hd. of Nat. Lab. of Appl. Maths. at Washington, U.S.A. T. A. Quilliam (Anat.), apptd. to post at Univ. Coll., London.

DEATHS. Visct Ullswater, Fellow of Coll., Life Governor and former student. P. E. Newberry, Fellow and former student of Coll. Rev. C. F. Rogers, Fellow of Coll. and Prof. of Pastoral Theol. from 1919 to 1932. Rev. C. B. Bartlett, Fellow of Coll. and former member of governing bodies Sir Bernard Pares, Fellow of Coll., member of Council, Prof. of Russian Hist., Lang. and Lit. from 1919 to 1936, Director of School of Slavonic and E. Europ. Studies. Dr. J. W. Pickering, Fellow of Coll. and Hon. Lectr. in Hæmatol. from 1923 to 1928. Sir Philip Pilditch, Bart, representative of L.C.C. on the Delegacy from 1914 to 1921. Marcu Beza, Lectr. in Roumanian from 1919 to 1930. Prof. Arthur Robinson, F.R.C.S., Prof. of Anat. at the Coll. from 1900 to 1905 Lt-Col J. D. K. Restler, a Vice-Pres. of the Old Students' Assoc. and a student in the Fac. of Engin. from 1897 to 1900.

STUDENTS. Total: 2405 (including 423 in Theology); full-time: 1944; pt.-time: 461; the total includes 474 women and 307 postgraduates.

DEGREES. B.D., 13; M.Th., 2; B.A., 132; M.A., 12; Ph.D. (Arts), 6; LL.B., 43; LL.M., 1; B.Sc., 87; M.Sc., 6; Ph.D. (Sci.), 11; Ph.D. (Med. Sci.), 1; B.Sc. (Eng.), 26; M.Sc. (Eng.), 2; Ph.D. (Eng.), 2.

KING'S COLLEGE OF HOUSEHOLD AND SOCIAL SCIENCE

Founded 1908

Campden Hill Road, W.8.
Telephone and Telegrams : Western 3704.

PRINCIPAL—Miss M. J. SARGEAUNT, M.A., B.Litt. Oxon.

TEACHING STAFF

Biology

Esdaile, Philippa C., D.Sc. Manc. Reader.
Crofts, Doris, D.Sc Sr. Lectr.
Gardiner, Phyllis, B Sc. Asst. Lectr.
Rawson, Mrs. Dilys O., M.Sc. Wales Asst. Lectr.

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.
Birchenough, M J , B Sc Lectr
..... Asst Lectr
Hopkins, H. B , Ph.D. Leeds Asst. Lectr.
Roche Lynch, Sybil B., B.Sc. Asst. Lectr.
Williams, J M., Ph.D. Asst. Lectr.

Economics and Business Affairs

Stanners, H., B.Sc. (Econ.) Sr. Lectr
Heasman, Mrs. Kathleen J., M.A Camb. Lectr.

Household Work

Walley, Joan E., B.Sc. Sr. Lectr.
Chappell, Gweneth M., M.Sc. Lectr.
Begrie, Irene C. Lectr.
Gardiner, Mrs. Margaret, B.Sc. Lectr.
Taylor, Mrs. Winifred J., B.Sc. Asst Lectr.
Clements, Winifred M., B.Sc. Asst. Lectr.
Skinner, Mrs. Sheila K., B Sc Asst. Lectr.

Hygiene and Bacteriology

Proctor, Ruth E., M A , M B., Ch.B St. And., D.P.H. Sr. Lectr.
White, Helen R , B Sc. Reading Lectr.
Oldham, Audrey G., B.Sc. Reading Asst. Lectr.

Physics

Dillon, Teresa J., M.Sc., F.I.P Sr. Lectr.
Andrewes, Ursula, Ph.D. Lectr.
Henderson, Margery M. H , B Sc. Asst. Lectr.
Daws, B. O., B.A. Oxon. Asst. Lectr.

Physiology

Yudkin, J., M.D., Ph.D. Camb. Prof.
Clifford, Winifred M., M.Sc. Sr. Lectr.
Mercer, Mrs. G. F. M., B.Sc. Lectr.
Copping, Alice M., M.Sc. N.Z. Lectr.
Davies, Beryl, B.A. Oxon. Asst. Lectr.
Smith, Mrs. Margaret G., B.Sc. Asst. Lectr.

Psychology

Catlin, Mrs. Kathleen M., B.A. Lectr.

Social Science

Stanners, H , B.Sc. (Econ.) Sr. Lectr.

GENERAL INFORMATION

Formerly a dept. of King's Coll. for women ; since 1928 an independent School of the Univ. in the Fac. of Science. Library contains 6000 vols (not including periodicals). Facilities for research work in the Labs. Degree Course for B.Sc. in Household and Social Science ; 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 and for the Health Visitors' Examn. of the Royal Sanitary Inst. Residential accomm. (Queen Mary's Hostel) for 175 students.

TUITION FEES : from 36 to 45 guineas RESIDENCE FEES : from 90 to 114 gs. per session.

PUBLICATIONS. *Prospectus* ; *Annual Report* ; *Students' Magazine.*

THE YEAR 1948–49

NEW POSTS. Full-time Asst. Lectureships in Dept. of Hygiene and Bacteriol.

STUDENTS. Full-time : 263 ; including 6 graduates

DEGREES (June 1949). B Sc (H. and S.S), 1st Class Hons., 1 ; 2nd Class Hons., 7 ; Pass, 29.

LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE

Founded 1895

Houghton Street, Aldwych, London, W.C.2.
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—Sir CORNELIUS GREGG, K.C.B., K.B.E., B.A., LL.D.

DIRECTOR—Sir ALEXANDER M. CARR-SAUNDERS, M.A. Oxon. and Camb., LL.D. Glas., Litt.D. Dub., D. en Droit Grenoble, F.B.A.

SECRETARY—EVE V. EVANS, B.A.

REGISTRAR—EDNA M. THORPE, B.Sc. (Econ.)

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.
7 Pt.-time Assts.

Anthropology, Social

Firth, R. W., M.A. N.Z., Ph.D., F.B.A. Prof.
Schapera, I., M.A. Cape T., Ph.D., D.Sc. Prof.
Leach, E. R., M.A. Camb., Ph.D. Reader.
Little, K. L., M.A. Camb., Ph.D. Lectr.
Schneider, D. M., B.S., M.A. Cornell, Ph.D. Harv. Lectr.
1 Asst. Lectr.

Banking, Currency and Public Finance

Sayers, R. S., M.A. Camb. Cassel Prof.
Tress, R. C., B.Sc. (Econ.) Reader.
Wilson, J. S. G., M.A., Dip. Com. W. Aust. Reader.

Business Administration

Plant, Sir Arnold, B.Sc. (Econ.), B.Com. Cassel Prof.

Colonial Studies

Mair, Lucy P., M.A. Camb., Ph.D. Reader.
Friedman, J. R., B.S., M.A. Harv. Lectr.
Greaves, Ida C., M.A. McG., Ph.D. (S).
Wraith, R. E., O.B.E., B.Com. Birm. Organizer of Studies.

Commerce and Industry, v. also Law, Transport

Meade, J. E., C.B., M.A. Oxon. Prof.
Edwards, R. S., B.Com. Prof.

(S.) = Special Lectr., not on the School Staff.

Paish, F. W., M.C., M.A. Camb. Prof.
Anstey, Vera, D.Sc. (Econ.) Chairman of Admitting Deans and Cassel Reader.
Brown, F., B.Sc. (Econ.) Reader.
Ponsonby, G. J., M.A. Camb. Reader.
Thirlby, G. F., B.Com. Lectr.

Criminology

Mannheim, H., Dr.Jur. Königsberg Reader.

Demography

Grebenik, E., M.Sc (Econ) 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. Prof.
Coase, R. H., B Com. Reader.
Raeburn, J. R., B Sc. (Agric.) Edin., M.S., Ph.D. Cornell, M.A. Oxon (Agric. Econ.) Reader
Makower, Helen, B.A. Camb., Ph.D. Reader.
Yamey, B. S., B.Com. Cape T. Reader.
Dorrance, G. S., M.A. Queen's Lectr.
Hutchison, T. W., M.A. Camb. Lectr.
Morgan, D. J., B Sc. (Econ.) Lectr.
Peacock, A. T., D.S.C., M.A. St. And. Lectr.
Radomysler, A., B.Sc. (Econ.) Lectr.
Ryan, W. J. L., M.A., Ph.D. Dub. Lectr.
Turvey, R., B.Sc. (Econ.) Lectr.
6 Asst. Lectrs., 1 Pt.-time Asst.

English (as a foreign language)

Chapman, R., B.A. Oxon., M.A. Asst. Lectr.

Ethnology, v. Anthropology

Finance, v Banking

French, v. Modern Languages

Geography, v. also Commerce

Stamp, L. D., C.B.E., B.A., D.Sc. (Social Geog.) Prof.
Buchanan, R. O., M.A. N.Z , B.Sc. (Econ), Ph.D. Prof.
Spate, O. H. K., M A., Ph.D. Camb. Reader.
Harrison-Church, R J , B Sc (Econ.), Ph.D. Lectr.
Morgan, F. W., M.A. Camb. Lectr.
Rawson, R. R., B.Sc. Wales Asst. Dean of Postgrad Studies and Lectr.
2 Asst. Lectrs.

German, v. Modern Languages

History, Economic, v. also Politics

Tawney, R. H., B.A. Oxon., Litt.D. Manc., D. ès L. Paris, F.B.A. Emeritus Prof
Ashton, T S., M A. Manc. Prof.
Beales, H. L., M A. Manc Reader.
Carus-Wilson, Eleonora M , M A. Reader.
Fisher, F. J , M.A. Reader.
Ashworth, W., B.Sc. (Econ.) Lectr.
Davies, K G., M.A. Camb. Lectr
Hatton, Ragnhild M., Cand. Mag. Oslo, Ph D. Lectr.
John, A. H., Ph.D. Camb., B.Sc. (Econ.) Lectr.
4 Asst. Lectrs.

International History

Toynbee, A. J., B.A., D.Litt. Oxon. and Birm., F.B.A. Stevenson Research Prof.
Webster, Sir Charles, K.C.M.G., M.A., Litt.D. Camb., F.B.A. Stevenson Prof.

Robinson, L. G., M.A. Oxon.
Dean of Postgrad. Studies and Reader.
Reynolds, P. A., B.A. Oxon. Lectr.
1 Asst. Lectr.

International Relations

Manning, C A. W , M.A , B.C.L. Oxon. Montague Burton Prof.
Wight, R. J M., B.A. Oxon. Reader.
Chambers, F. P., M.A. Camb. Lectr.
Goodwin, G. L., B.Sc. (Econ.) Lectr.
Tunstall, W. C. B , M A. Camb Lectr.
1 Asst. Lectr.

Law

Gower, L. C B., M.B.E , LL.M. (Comml. L) Cassel Prof.
Parry, D. Hughes, B.A. Wales, M A., LL.M. Camb , LL.D. Wales and W. Ont , D.C L. McG. (English L.) Prof.
Plucknett, T. F. T., LL.B. Camb., M.A., F.B.A. (Legal History) Prof.
..... Prof.
Kahn-Freund, O., Dr.Jur. Frankfurt, LL.M. (English L.) Reader.
Phillips, A., M.A. Oxon. Reader.

Other Lecturers

Griffith, J. A. G., LL.M. (Admin. L.).
Grunfeld, C., M.A., LL.B. Camb.
Mitchell, J. D. B., LL.M.
de Smith, S. A., M.A. Camb.
Taylor, P. W. E., M.A. Camb. (S.).
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. Lectr.

Modern Languages

Rose, W., M.A. Birm., Ph.D (German) Prof.
Guercio, F. M., B.A. (Ital.) Lectr.
Reiss, H. S., B.A., Ph.D. Dub. (German) Lectr.
Scott-James, Mrs Paule H. J , B.Litt. Oxon. (French) Lectr.
4 Asst Lectrs , 1 Asst

Politics and Public Administration

Oakeshott, M. J., M A. Camb. and Oxon Prof.
Robson, W. A., B.Sc (Econ.), Ph.D., LL M (Pub. Admin) Prof.
Smellie, K B., B.A. Camb. (Pol. Sci.) Prof.
Greaves, H R G , B.Sc. (Econ.) (Pub. Admin.) Reader
Pickles, W., M.A. Leeds Sr. Lectr.
Morris-Jones, W. H , B.Sc. (Econ.) 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.
2 Asst. Lectrs.

Psychology, Social and Industrial

Raphael, Mrs. W., B.Sc. (S).
Himmelweit, Hilde, M.A. Camb., Ph D. Lectr.
2 Asst. Lectrs.

Social Science and Administration

Marshall, T. H., C.M.G., M.A. Camb. Prof
Titmuss, R. M. Prof.
Eckhard, Edith V.. M.A. Camb. Sr. Tutor and Lectr.
Bell, Leslie H., M.A. Lectr.
Britton, Clare (Child Care) Lectr.

(S.) = Special Lectr., not on the School Staff.

Cockburn, Christine, M.A. Aberd. Lectr.
Judd, Mrs. Helen O , M.A. Edin. Lectr.
Kydd, Jessie A., M.B.E., M A., B.Com. Edin. Lectr.
Seear, Beatrice N., B.A. Camb Lectr.
Spencer, J. C., M.A. Oxon. Lectr.
Stewart, Katharine F. Organizer of Practical Training.
Willoughby, Gertrude, M.A Sheff , D. de l'U. Paris Lectr.
Younghusband, Eileen, M B.E. Lectr.
2 Asst. Lectrs.

Lecturers for Course in Mental Health

McDougall, Mrs Kate F. Lectr.
Joseph, Betty Lectr.
Gardner, Dorothy E. M., M.A. (S.).
Gillespie, W. H , M D , M B , Ch.B (S.).
Hilliard, L. T , M.A , M B (S)
Lewis, J B. S., M B., D P.M (S)
Mackintosh, Prof J. M., M A., M.D., D.Ph., F.R.C.P. (S.)
Miller, E., M.A., F.R.C.P., D.P.M. (S.).
Warden, Winifred M., M.Sc. (S.).
1 Pt.-time Asst. Lectr.

Sociology, v. also Anthropology

Ginsberg, M., M.A., D.Lit. Martin White Prof.
Glass, D. V., B.Sc. (Econ.), Ph.D. Prof.
Chambers, Rosalind C., B Sc. (Econ.) Lectr.
Floud, Jean E , B.Sc (Econ) Lectr.
Hinchliffe, Betty R., B.Sc. (Econ.) Lectr.
MacRae, D. G., M A. Glas. and Oxon. Lectr.
2 Asst Lectrs.

Statistics

Allen, R. G. D., O B E., M A. Camb., D.Sc. (Econ) Prof.
Kendall, M. G., M.A., Sc.D. Camb. Prof.
Rhodes, E. C., B.A. Camb., D.Sc. Reader.
Booker, H. S., M Sc (Econ.) Lectr.
Moser, C. A., B.Sc. (Econ.) Lectr.
2 Asst. Lectrs.

Trade Union Studies

Bassett, R., M.A. Oxon. Lectr.
Roberts, B. C., B A. Oxon Lectr

Transport, v. also Commerce and Law

Ponsonby, G. J., M A. Camb Reader.

(S.) = Special Lectr., not on the School Staff.

ADMINISTRATIVE OFFICERS

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.: Marion Horn, B.A. Leeds; Asst. Registrar: Evelyn M. Myatt-Price, M.A.; Asst. Maintenance Officer: J. A. G. Deans, M.B.E.; Sec. to the Postgraduate Dept.: Anne Bohm, Ph.D. Berlin.

LIBRARY. Deputy Librarian: Marjorie Plant, D.Sc. (Econ.), F.L.A.; Sr. Asst. Librarians: Frances M. Birkett, M.A., F.L.A.; E. Rosenbaum, Ph.D. (Acquisitions Officer); Asst. Librarians: Martha E. Dawson, M.A. (Chief Cataloguer); H. Schurer, Ph.D., F.L.A.

GENERAL INFORMATION

Founded 1895. A School of the Univ. recognized in the Faculties of Economics and Political Science (including Commerce and Industry), of Laws, and of Arts (in Anthropology, Geography, History and Sociology).

Students may be admitted by the School for all degrees of the Univ. in these faculties as Internal students of the Univ. The School also provides instruction for the Diplomas of the Univ. in Anthropology, Psychology, 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.

The School is open on the same terms to men and to women. Classes and lectures are given both in the day and in the evening.

Persons desiring admission to the School for a first degree or diploma may be required to sit for an entrance examination, which consists of two three-hour papers of a general nature.

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 utilize it for research or consultation.

The composition fee for a complete day course in Economics, in Commerce and in Arts is 34 guineas for the academic year, and in Law 30 guineas for the Intermediate course and 34 guineas for the Final course. 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.

Entrance scholps. (including the Leverhulme Scholps.) are awarded each year, which are eligible for supplementation by the Ministry of Education. One or more Adult scholps. of the value of £300 p.a. may be awarded to students who have shown promise in part-time studies. Scholps. are also awarded during the undergraduate course, some of which are eligible for supplementation by the Ministry of Education.

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; *Bulletin* (quarterly) of the *London and Cambridge Economic Service*, of Statistics and Memoranda bearing on the current economic position, published at the School, in co-operation with the Univ. of Cambridge and Harvard Univ. Official: *Calendar*; *Prospectus*; *Departmental Pamphlets*.

THE YEAR 1948–49

BENEFACTION. £20,000, gift from Mrs. M. Skepper, the mother of a former student of the School, for the promotion of sociolog. res.

NEW BUILDINGS. The School has acquired the lease of Nos. 1-3 Endsleigh Place, W.C.1, for use as a hostel for men students.

NEW APPOINTMENTS were made during the yr. to the Chairs of Econ. (with spec. ref. to Business Finance), Econ. (with spec. ref. to Industr. Organization), Geog. and Statistics. In addition appts. were made to the Readerships in Agric. Econ., Accounting, Demography and Internat. Relns., to 10 Lectureships and 20 Asst. Lectureships.

OTHER DEVELOPMENTS. The 1-yr. course in Business Admin., suspended since 1939, was resumed. The scheme for the promotion of Northern Studies was revived and put into operation. Under this scheme the study of economic

and social questions of the Northern countries is promoted by visits from teachers and scholars from Denmark, Norway and Sweden.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. K. E. Boulding, State Coll., Ames, Ohio, 6 lectures on "A Reconsideration of Economics"; Prof. P. E. Corbett, Univ. of Yale, 3 lectures on "Society and Law in the Relations of States"; Prof. R. Redfield, Univ. of Chicago, 2 lectures on "Social Science as One of the Humanities"; Mr. Odd Aukrust, Univ. of Oslo, lectured at the School under the scheme for the promotion of Northern Studies. Under the Univ. scheme of advanced lectures Prof. Talcott Parsons, Harvard Univ., delivered at the School 3 lectures on "The Position of Sociological Theory in the Contemporary Social Sciences"; Prof. L. Dupriez, Univ. of Louvain, lectured on "Business Cycles—A Technical or a Philosophical Explanation"; Sir Ivor Jennings, Vice-Chancellor, Univ. of Ceylon, lectured on "The Making of a Dominion Constitution"; and Prof. Paul A. Samuelson, 3 lectures on "Welfare Economics".

RESIGNATIONS. Prof. H. McKinnon Wood (Internat. Law); A. V. Judges (Reader in Econ. Hist.), on appt. to the Chair of Hist. of Educn. at King's Coll., London; E. A. Shils (Reader in Sociol.); Dr. W. J. Baumol (Asst. Lectr. in Econ.), on appt. to an Asst. Professorship at Princeton Univ.; Dr. K. H. Connell (Lectr. in Econ. Hist.), to take up an appt. at Nuffield Coll., Oxford; Jane T. Henderson (Asst. Lectr. in Soc. Sci.), to devote her time to practical work in the social field; M. W. Parkington (Asst. Lectr. in Internat. Law); Dr. May Ravden (Asst. Lectr. in Sociol.); Miss L. A. E. Shaw (Lectr. in Mental Health), to devote her time to practical work in the field of Mental Health; Dr. F. H. Walter (Asst. Lectr. in French).

DEATHS. Mrs. E. M. Hubback, member of the Court of Governors from 1946–49; Rt. Hon. Lord Uthwatt, member of the Court of Governors for many years.

STUDENTS. Total: 3811; full-time: 1684; pt.-time: 2127 (including 702 full-time intercollegiate students studying partly at the School). The total includes 866 women and 401 postgraduates.

DEGREES, ETC. B.A., 23; M.A., 4; LL.B., 26; LL.M., 2; B.Sc. (Econ.), 302; M.Sc. (Econ.), 19; B.Com., 51; Ph.D., 27; D.Sc. (Econ.), 1. DIPLOMAS. Academic Postgrad. Dipl. in Anthropol., 2; Academic Postgrad. Dipl. in Pub. Admin., 6. CERTIFICATES. Soc. Sci. and Admin., 88; Soc. Sci. and Admin. (Colonial), 21; Mental Health, 27; Internat. Studies, 1.

QUEEN MARY COLLEGE

Founded 1888

Mile End Road, E.1.
Telephone : Advance 4211.

CHAIRMAN OF THE GOVERNORS—Sir ALBERT STERN, K.B.E., C.M.G., M.A.

PRINCIPAL—B. IFOR EVANS, M.A., D.Lit.

REGISTRAR—R P. TONG, O B.E., M.A. Camb.

TEACHING STAFF

Aeronautical Engineering

Piercy, N. A. V., D.Sc. (Eng.), F.R.Ae.S. Prof.
Whitehead, L. G., B.Sc. (Eng.), Ph.D. Lectr.

Botany

Haines, F. M., B Sc., Ph D , D.Sc. Reader
Newby, H. V., B.Sc. (Agric.), B Sc. Lectr
Godward, Maud B. E., M Sc , Ph D. Lectr
Wanstall, P. J., B.Sc. Demr.
White, D. S., B.Sc. Demr.

Chemistry

Partington, J. R., M.B.E , D.Sc. Manc. Prof
Jones, D. C., D.Sc. Wales, Ph.D. Johns Hopkins 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.
Lindop, N., B.Sc.
Neville, H. H., M.A., B.Sc. Aberd.
Grove, Dorothea M., M.A., B.Sc. Oxon. Asst. Lectr.
Ansell, M. F., B.Sc., Ph.D. Asst. Lectr.

Classics

Laidlaw, W A , M.A , Litt D. Dub. Prof.
Mozley, J. H., M A. Camb. Reader.
Denny, G. A. W., T.D., M.A. Camb. Lectr.
Kilburn, K., B.A. Liv. Lectr.

Engineering, Civil and Mechanical, v. also Aero. Eng.

Giffen, E., D.Sc. Lond., M.Sc. Belf., Ph D Prof.
King, J. W H., M.Sc. Manc. Reader.

Lecturers

Brendel, F. C. L., B.Sc. (Eng.), Ph.D.
Hampson, H , M Sc. (Tech.) Manc.
Daniel, A. W T , M A. Camb.
Webb, C R., B Sc. (Eng)
Lavender, J. G., B.Sc. (Eng.).

Engineering, Electrical

John, W. J., B Sc., D.I.C. Prof.
Stoner, C R , B.Sc. Reader.

Lecturers

Tropper, H., Dip.Ing. Vienna, Ph.D.
Mansfield, W. K., B.Sc.
Lewis, T. J., B.Sc. (Eng.), Ph.D.
Diamand, W. B., Eng. Dipl. Lwow.

English Lang. and Lit.

Sutherland, J. R., M.A. Aberd., B.Litt. Oxon. Prof.

Lecturers

Evans, B. Ifor, M A., D.Lit.
Timmer, B. J., Ph.D. Groningen.
Callan, N. R., M.A. Camb.
Thompson, Marjorie, M A.
Sisam, Celia, B.A. Oxon.
Hammond, Hope, M A. Camb. Asst. Lectr

French Lang. and Lit.

Dechamps, J., D. ès L. & Ph Liège, Ch.L Prof.
Rozelaar, L. A , M A Lectr
Cammaerts, E., C.B.E., LL.D. Glas. Lectr.
Collas, J. P., B.A., B.Litt. Oxon. Lectr
Derôme, R., M A. Georgia, L. ès L. Sorbonne Lectr

Geography

Crowe, P. R , B.Sc (Econ.), Ph D. Glas. Reader
Mutton, Alice F. A., M A., Ph D. Lectr.
Coker, J. A., B.A. Lectr.
Robinson, A. H. W., B.Sc. Asst. Lectr.

Geology

Kirkaldy, J. F., M.Sc., Ph.D. Reader.

German Lang. and Lit.

Hatto, A. T., M A. Reader.
Gilbert, Mary E., Ph D. Berlin Lectr.
Rüdenberg, W. Lectr.

History, Modern

Clarke, F., M.A. Oxon. Prof.
Chew, Helena M., M.A., Ph.D. Lectr.
Hurstfield, J., B.A. Lectr.
Leech, H. R., M.A. Oxon. Asst. Lectr.

Mathematics, Pure and Applied

McVittie, G. C., O.B.E., M.A. Edin., Ph.D. Camb. Prof.
Green, S. L , M Sc Lectr.
Soal, S. G., M.A , D Sc Lectr.
Allen, H S , Ph.D., M Sc Lectr.
Blaney, J H., M Sc., Ph.D Lectr.
Tropper, A. Mary, M Sc. Lectr.
Chirgwin, B. H , M.A. Oxon., B.Sc. Lectr.
Gliddon, J E. C., M Sc. Lectr
Hall, R , M Sc Lectr

Physics

Robinson, H. R., Ph D. Camb., D Sc Manc , F R S Prof.
Eisenschitz, R K , Dr Phil Munich Reader.
Jones, G. O., M.A , B.Sc. Oxon., Ph.D. Sheff. 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.
Pryde, J. A , B.Sc., Ph.D.
Dobbs, E. R., B.Sc.

Spanish

Barragán, J. V. Lectr.

Zoology

Smith, J. E., M A. Camb., B.Sc., Ph.D Prof.
Newell, G. E., B.Sc., Ph.D. Reader.
Forrest, J. E., B.Sc Edin. Lectr.
Chapman, G , M.A. Camb., Ph.D. Lectr.
Dixey, Leslie R., B.Sc. Asst. Lectr.
Santler, Joyce E., B.Sc. Demr.

GENERAL INFORMATION

Established 1888. Governed by Governors who include the Master and Clerk of the Drapers' Company and representatives of the L.C.C., the Univ. and the Staff. A School of the Univ. in Arts, Science and Engin. Students

proposing to take the Medical course at the London Hospital are offered special facilities for carrying on their studies for the Prelim. Med. Examn. Special Research LABORATORIES in Physics, Chem., Elec. Engin. Degree courses in Arts, Science, Engin. (including Aeronautical Engin.), and Med. Fees from £30 : 2 : 6. Hall of Residence for men students at South Woodford (Warden: B. H. Chirgwin, M.A.), and Hall of Residence for women at South Woodford (Warden: Celia Sisam, B.A. Oxon.); residence and partial board, £84 p a. Union Society. Old Students' Association. Sports Grd. 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. All these awards are eligible for supplementation by the Ministry of Education under the University Supplemental Awards Scheme.

PUBLICATIONS. *Prospectus*; *Calendar*; *The Leopardess*, *The Cub* (Student publications).

THE YEAR 1948–49

NEW BUILDINGS. The Coll. has purchased and leased additional land for the erection of labs., Coll. Hall, student amenities and hostels. A new Cross Block is now under construction to provide additional lecture room and lab. accomm.

RESIGNATIONS. Margaret A. Parsons (Hist.); J. P. Andrews, Asst. Prof. —apptd. Prof. and Vice-Principal at Univ. Coll., Ibadan (Phys.); R. W. H. Wright (Phys.); S. Manheim (Chem.); B. W. Sparks (Geog.); Irene Werth (Zool.).

STUDENTS. Total: 876; full-time: 839; pt.-time: 37; the total includes 206 women and 87 postgrads.

DEGREES. B.A., 44; B.Sc., 42; B.Sc. (Eng.), 25; M.Sc. (Sci.), 5; M.Sc. (Eng.), 4; M.A., 3; Ph.D. (Sci.), 13; Ph.D. (Eng.), 5; Ph.D. (Arts), 1.

ROYAL HOLLOWAY COLLEGE *

Founded 1886

Englefield Green, Surrey.
Telegrams: Englefield Green.
Telephone: Egham 114, 414.

CHAIRMAN OF THE COUNCIL—H.R H. THE PRINCESS ALICE, COUNTESS OF ATHLONE.

PRINCIPAL—EDITH C. BATHO, M A., D Lit.

SECRETARY—DOROTHY HUSTLER.

REGISTRAR—E. DOROTHY P. PARGITER, B.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.
Bain, Joan, B.Sc. Syd. Asst. Lectr. & Demr.
Hooper, Sheila S., B.Sc. Leeds Asst. Lectr. and Demr.
Topping, Mrs. J., B.Sc., Ph.D. Visiting Lectr. in Biology.
Smallbone, Elsie L. Botanical Gardener

Chemistry

Williams, Gwyn, D.Sc. Wales, Ph.D. Camb. Prof.
Foster, A. G., B.A., B.Sc. Oxon., Ph.D. Reader.
Singer, K. G., Ph.D. Glas. Lectr.
..... Lectr.
Mackay, Mrs. K., M.Sc. Manc. Asst. Lectr. & Demr.
Bonner, T. G., Ph.D., B.Sc. Asst. Lectr. & Demr.

Classics

Tredennick, H., M.A. Camb. Prof.
Woodward, Avery, M.A. Camb. Reader.
Miller, Norma P., M A Glas., B.A. Camb. Asst. Lectr.
Thomas, Elizabeth, B.A. Wales, M.A. Asst. Lectr.

English

Willcock, Gladys D., M A. Prof.
Green, Hilda A. C., M.A. Lectr.
Tompkins, Joyce M. S, M A., D.Lit. Reader.
Morgan, Margery M., M.A. Asst. Lectr.

French

Hunt, H. J., M.A., D.Phil. Oxon. Prof.
West, Constance B., M.Litt. Camb, Ph D. Lectr.
Brereton, Georgine E., B.A, B.Litt. Oxon. Lectr.
..... (France) Lectr.
Browne, Sheila J., B.A. Oxon. Asst. Lectr.

German

Tymms, R. V., M.A. Oxon. Reader.
Keller, R. E., Dr.Phil. Zürich Lectr.
Jenkins, S. Patricia, B.A. Asst. Lectr.

* For women.

Bauer, Margarete J., Dr.Phil. Gottingen Asst. Lectr.

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.

Taylor, Audrey M., B.A. Oxon. Asst Lectr

Mathematics

McCrea, W. H, M.A., Ph D. Camb, B.Sc, F.R A.S Prof.

Bradburn, Mary, Ph D. Edin., M.Sc. Sr. Lectr.

Jacobs, J A, M A., Ph.D. Lectr.

Yates, Barbara G., B.A. Dub. Lectr.

Cushen, Joan S, B.A. Camb Asst Lectr.

De La Bere, J. C W, B A. Camb Asst Lectr

Physics

Tolansky, S., B.Sc. Durh., Ph.D. Durh. and Lond., D Sc. Manc., F.R.A.S Prof.

Smith, C J, Ph D, M.Sc. Lectr and Asst. Dir. Phys Lab.

Hutten, E H., Ph D Berlin Lectr

Edmondson, A. S., M Sc. Lectr.

Austin, Eileen M., B.Sc. Asst. Lectr. & Demr.

Zoology

Thomas, Joan G., B.Sc., Ph.D. Lectr.

Sharman, Margaret, B A. Oxon. Asst Lectr & Demr.

Fine Arts

Music

Scourse, Joan C., B.Mus. Lectr

Legge, B Pompilia, M.A. Oxon. Asst Lectr

GENERAL INFORMATION

Opened in 1886. 19 miles from London. A School of the Univ. in Arts and Sci. LIBRARY, 35,000 vols. LABS.: Bot. Chem., Physics, Zoology: Botanic Gardens. Area, 95 acres. Residential accommodation for over 350 students and staff. Courses for first and higher degrees in Arts and Sci. Incl. FEES for tuition and residence: £180 a yr. Entrance Scholps., £60, etc.; postgraduate studentships.

PUBLICATIONS. *Calendar*; *Prospectus*; R.H.C. *Letter* (Old Students' Assn.); *Erinna* (Student Magazine).

THE YEAR 1948–49

NEW BUILDINGS. A property, on Egham Hill opposite the Coll., bought in 1946, provided 2 flats for non-resident members of the staff and additional games facilities for the students.

NEW POSTS. Professorship in Botany; Asst. Directorships of the Bot. and Physics Labs.

OTHER DEVELOPMENTS. An experimental scheme of interchange with the Univ. of Poitiers was arranged whereby Hons. students proceeded to Poitiers for the summer term of their first yr. and were replaced at the Coll. by an equal number of students from France.

CHANGES IN REGULATIONS. A Private Bill was promoted during the 1948–1949 session and received the Royal Assent on July 30. As a consequence the Coll. has become a Corporate Body and the former Governing Body has become a Council with larger representation of the Academic Staff.

RETIREMENTS. Sir Edward Appleton as representative of the Senate of the Univ. of Cambridge on the Governing Body, in consequence of his departure to Edinburgh as Principal and Vice-Chancellor of Edinburgh Univ. Miss E. M. Blackwell, Sr. Lectr. (Bot).

RESIGNATIONS. Mlle. G. J. Aujac, Lectr. (France), to resume teaching in France ; Miss M. B. Hesse, Asst. Lectr. (Maths.), to take up Jubilee Fellowship at the Coll. ; P. F. Ganz, Asst. Lectr. (German), to be Lectr. in German at Westfield Coll.

DEATH. Sir Henry Marten, late Governor and Trustee of the Coll.

STUDENTS. Total : 358 ; full-time : 354 ; pt.-time : 4 ; the total includes 347 women and 28 postgraduates.

DEGREES. B.A., 63 ; M A., 2 ; B.Sc., 34 ; Ph.D., 3.

ROYAL VETERINARY COLLEGE

Founded 1791

Royal College Street, N.W.1.

Telephone: Euston 5321.

CHAIRMAN OF THE EXECUTIVE COUNCIL—Professor C. A. LOVATT EVANS, LL.D., D.Sc., F.R.C.P., F.R S.

PRINCIPAL AND DEAN—Professor J. BASIL BUXTON, M.A , F.R.C.V.S., D.V H.

SECRETARY AND BURSAR—H. W. J. ADAMS, B.A.

TEACHING STAFF *

Anatomy

McCunn, J — Prof.
King, A S , B Sc — Lectr
Dyce, K M , B.Sc — Asst Lectr
Smith, R. N — Asst Lectr.

Animal Husbandry and Veterinary Hygiene

Scorgie, N J , M A , B.Sc. — Prof.
Abrams, J. T., M.Sc., Ph.D. — Lectr.
Willis, G. A., B V.Sc. — Lectr
Offord, E C — Asst Lectr.
Stephens, L A., B.V.Sc. Syd. — Asst. Lectr.

Bacteriology

Lovell, R , D.Sc., Ph.D., D.V.S.M. — Reader.
Smith, J. E , B Sc — Asst Lectr.

Biochemistry

Marchant, R. H., B.Sc. — Lectr.
Brundritt, Eileen, B.Sc. — Asst. Lectr.

Biology

Jackson, J. H., M.A., B.Sc. — Reader.
King, Mrs. Doreen Z., B.Sc. — Asst. Lectr.
Marsden, Margery P. F., B.Sc. — Asst. Lectr.

Chemistry

Clarke, E. G. C., M.A., Ph D. — Lectr.
Kefford, G. W , B Sc. — Asst. Lectr.
Treharne - Williams, Margaret, M A. — Asst. Lectr.
Watts, C. R., B.Sc. — Asst. Lectr.

Histology and Embryology

Halley, Gwendolen, Ph D , B.Sc. — Lectr.
Murray, C B., Ph.D , B Sc. — Lectr.
Marrable, A. W., B Sc. — 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. — Lectr.
Lewis, E. F. — Lectr.
Toovey, J. A., B.Sc. — Asst. Lectr.

Parasitology

Oldham, J. N., B.Sc., Ph.D. — Reader.

* At time of going to press, Profs. and Readers in this list hold College, not Univ., titles.

Clark, Helen G., M.Sc. Asst. Lectr.
James, Phyllis M., B.Sc. Asst. Lectr.

Pathology, Veterinary

Bosworth, T. J., M.A., B.Sc., D.V.S.M. Prof.
Cotchin, E. Reader
Ingram, P. L., B.Sc. Lectr.
Briggs, C. A. E. Asst. Lectr.
Brown, F. G., B.A. Asst. Lectr.
Pay, T. W. F., B.Sc. Asst. Lectr.

Pharmacology

Rosenberg, H., M.D., Ph.D. Reader

Physiology

Amoroso, E. C., B.Sc., M.B., B.Ch., B.A.O., Ph.D. Prof.
Bell, F. R., B.Sc. Lectr.
Bainbridge, J. G. Asst. Lectr.
Lawn, A. M. Asst. Lectr.

Surgery, Veterinary

Formston, C., F.R.C.V.S. Prof.
Arthur, G. H., M.V.Sc. Reader.
Knight, G. C., F.R.C.V.S. Reader
Douglas, S. W. Lectr.
Roberts, E. J. Lectr.
Hart, C. B., B.Sc. Asst. Lec
Vaughan, L. C. Asst. L
Vivian, Irene P. Asst.
Weaver, Barbara M. Q. Asst. Le.
Yeats, J. J. Asst. Lectr.

GENERAL INFORMATION

Founded in 1791. Incorporated by Royal Charter, 1875. A School of the Univ. in the Fac. of Medicine.

FEES. Annual fees, £51 per session.

POSTGRADUATE SCHOLARSHIPS. There are two Clement Stephenson Scholps., value £300 a yr. each, in any branch of vet. sci. Candidates must be grads. of the Royal Vet. Coll.

THE YEAR 1948–49

STUDENTS. Total: 413. Men: 379; women: 34.

SCHOOL OF ORIENTAL AND AFRICAN STUDIES

Founded 1916

University of London, W.C.1.
Telegrams: Soasul, Phone, London.
Telephone: Museum 2023/4/5, 8732.

PATRON—H.M. THE KING.

VISITOR—THE MINISTER OF EDUCATION.

CHAIRMAN OF THE GOVERNING BODY—The Rt. Hon. LORD HARLECH, K.G., G.C.M.G., D.C.L., LL.D., F.S.A.

DIRECTOR—Professor Sir R. L. TURNER, M.C., M.A., Litt.D. Camb., F.B.A.

SECRETARY—Lt.-Col. H. MOYSE-BARTLETT, M.B.E., M.A. Oxon.

TEACHING STAFF

Department of India, Pakistan and Ceylon

Bengali

Bhattacharya, S., M.A. Benares, Ph.D. Lectr.
Clark, T. W., O.B.E., M.A. Lectr.

Gujarati

Dave, T. N., M.A., B.T. Bombay, Ph.D. Lectr.

Hindi

Kulshreshtha, P. N., M.A., D.Phil. Alld. Lectr.

Hindustani

Judd, Capt. A. R. Temp. Lectr.

Indian Archaeology

Codrington, K. de B., M.A. Camb. Prof.
Richards, F. J., M.A. Oxon. Hon. Lectr.

Indian Music

Bake, A. A., D.Litt. Utrecht, Hon. M.A. Oxon. Reader.

Indo-Aryan Languages

Williams, R. H. B., B.A. Lectr.

Marathi

Lambert, Hester M., M.A. Camb. (The Maharajah Gaekwad's Lectr.) Sr. Lectr.

Pali

Stede, Dorothy A. L., M.A. Camb., Ph.D. Lectr.

Sanskrit

Brough, J., M.A. Camb., M.A., D.Litt. Edin. Prof.
Turner, Sir R. L., M.C., M.A., Litt.D. Camb., F.B.A. Pt.-time Prof.
Rylands, C. A., M.A. Camb. Sr. Lectr.
Bake, A. A., D.Litt. Utrecht, Hon. M.A. Oxon. Reader.
Bhattacharya, S., M.A. Benares, Ph.D. Lectr.
Gray, J. E. B., B.A. Dublin Lectr.

Sinhalese

Fernando, P. E. E., M.A. Lectr.

Tamil and Telugu

Pathy, C. S. K., M.A. Edin. Lectr.

Thompson, M. S. H., B.A. Madr. Temp. Lectr.

Urdu

Harley, A. H., M.A Glas. Pt.-time Sr Lectr.

Bilgrami, H. H., M.A., D.Phil. Allahabad Lectr.

Russell, R., M A. Camb., B.A. Lectr.

Department of South-East Asia and the Islands

Burmese

Merrells, G L., B.A. Camb. Lectr

Pe, Hla, M.A. Rang., Ph.D. 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.

Oceanic Languages

Milner, G. B., M.A. Camb. Lectr.

Siamese

Henderson, Eugénie J. A., B A. Sr. Lectr.

Tibeto-Burman Languages

Forrest, R. A. D., M A. Aberd. Lectr.

Department of the Far East

Chinese

Edwards, Eve D., M.A., D.Lit. Prof.

Simon, W., Dr.Phil. Berlin, D.Lit. Prof.

Birch, C., B.A. Lectr.

Ch'in, Grace S., B.A. Nanyang Lectr.

Chinnery, J. D., B.A. Lectr.

Locke, Marjorie A., B.A. Lectr.

Pulleyblank, E. G., B.A. Alberta Lectr.

Simon, H. F., B.A. Lectr.

Tsao, Y. T., B.A., LL.B. Soochow Lectr.

Watkins, D. E., M.A. Oxon., B.A. Lectr.

Whitaker, Katherine P. K., B.A. Hong Kong, M.A. Oxon. Lectr.

Wong, S L. Temp Lectr.

Waley, A. D., M.A. Camb., LL.D. Aberd., F B.A. (C. Poetry) Hon Lectr.

Japanese

Daniels, F. J., B.Sc. (Econ.) Reader.

Dunn, C. J., B.A. Lectr.

Matsukawa, B. Lectr.

Mills, D. E., M.A. Camb., B.A. Lectr

O'Neill, P. G , B A Lectr.

Yanada, S , M.Econ Tokyo Lectr.

Tibetan

Snellgrove, D. L., B.A Camb. Lectr.

Department of the Near and Middle East

Amharic

Abraham, R. C., M.A., D Litt. Oxon 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.

Cowan, D., M.A. Lectr.

Fakhry, M., M.A. Beirut, Ph.D. Edin. Lectr.

Hopkins, J. F. P., B.A. Camb. Lectr.

Armenian

Topalian, S. Sr. Lectr.

Central Asian Studies

Henning, W. B., Dr.Phil. Göttingen Prof.

Boyce, Norah E. M., M.A. Camb. (W. Iranian) Lectr.

Georgian

Lang, D. M., M.A., Ph.D. Camb. Pt.-time 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. Pt.-time Lectr.

Persian

Lambton, Ann K. S., O.B.E., B.A., Ph.D. Reader
Darab Khan, G. H., M.A. Sr. Lectr.
Topalian, S Sr. Lectr.
Hakim-Ilahi, H. Lectr.

Turkish

Wittek, P. A., Dr Phil. Vienna Prof.
Mundy, C. S., B.A. Sr. Lectr.
Topalian, S. Sr. Lectr.
Arat, R. R., Dr.Phil. Berlin Visiting Lectr.

Department of Africa

African Languages, West

Green, Margaret M., M.A. Camb. (W. African Languages and Cultures) Reader.
Berry, J., B.A. Leeds Lectr.
Rowlands, Rev. E. C., M.B.E., M.A. Camb. Lectr.

Bantu Languages

Guthrie, Rev. M., Ph.D., B.Sc. (Eng.) Reader.
Atkins, W. G., M.A. Oxon., Dr.Phil. Prague (E. Bantu Langs.) Lectr.
Westphal, E. O. J., M.A. Rand (S. Bantu Langs.) Lectr.

Hausa

Parsons, F. W., B.A. Oxon. Lectr.

Mende

Manley, D. J., B.A. Indiana Lectr.

Nyanja

Cikuse, H., D.D. Rome Lectr.

Sudanic and Bantu Languages, Eastern

Tucker, A. N., M.A. Cape T., Ph.D., D.Lit Reader.

Swahili

Hollingsworth, L. W., M.B.E., B.A., F.R.Hist.S. 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.
Honey, P. J., B.A. Lectr.
Hughes, H. G. A., M.A. Oxon. Lectr.
Mitchell, T. F., B.A. Lectr.
Palmer, F. R., M A. Oxon. Lectr.
Robins, R. H., M.A. Oxon. Lectr.
Shorto, H. L., M.A. Camb. Lectr.
Simmonds, E. H. S., B.A. Oxon. Lectr.
Stead, Judith M., B.A. Camb. and Leeds Lectr.

Phonetics

Scott, N. C., B.A., B.Sc. Reader.
Evans, Eileen M., B.A. Sr. Lectr.
Henderson, Eugénie J. A., B.A. Sr. Lectr.
Allen, W. S., M.A., Ph.D. Camb. Lectr.
Carnochan, J., B.A. Lectr.
Sharp, A. E., M.A. Camb. Lectr.
Sprigg, R. K., M.A. Camb. Lectr.

Department of History

History of India and Farther India

Philips, C. H., M.A. Liv., Ph.D. (Oriental History) Prof.
Ballhatchet, K. A., M A. Camb. (Mod. Ind. Hist.) Lectr.
Basham, A. L., B.A., Ph D. (Anc Ind. Hist) Lectr.
Hardy, P., M.A. Camb. (Muslim Period) Lectr.
Harrison, J. B., B.A. Camb (Mod. Ind. Hist.) Lectr.

History of the Near and Middle East

Lewis, B., B.A., Ph D. Prof.
Maitland-Muller, D. G., B.A. Lectr.
Parry, V. J , B.A. Oxon. and Wales Lectr.
Rice, D. S., D. de l'Univ. Paris 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., B.A. Camb. Lectr

History of the Far East

Beasley, W. G., B.A. Lectr.
Ormsby-Martin, R. M , M A Syd Lectr
van der Sprenkel, O. P. N. B., B.Sc. (Econ.) Lectr.

History of East Africa

Oliver, R. A., M.A. Camb. Lectr.

History of West Africa

Wolfson, Freda, M.A. Rand Lectr.

Department of Law

Law

Vesey-FitzGerald, S. G., M.A. Oxon., LL.D. (Oriental L) Pt.-time Prof.
Allott, A. N., B A. Oxon. (African Law) Lectr.
Anderson, J. N. D., O.B.E., M.A., LL B Camb. (Islamic L.) Lectr
Derrett, J. D. M , M A Oxon., Ph.D. (Hindu L) Lectr.
Gledhill, A., M.A. Camb. (Indian and Burmese L.) Lectr.
Shaikh Abdel Kader, Dr Phil. Berlin, Ph D (Islamic L) Pt -time Lectr.

Department of Cultural Anthropology

Anthropology with reference to India

Fürer-Haimendorf, C von, Dr. Phil. Vienna Reader.

Language and Culture with special reference to South-East Asia

Mills, J. P., C S.I , C.I.E., M A. Oxon. Reader.

East African Languages and Cultures

Huntingford, G. W. B., B.Sc. Oxon. Lectr.

ADMINISTRATIVE OFFICERS

Asst. Sec.: J. R. Bracken, B.A., B.Litt. Oxon.; Accountant: Sheila E. H. Smith, B.A.; Registrar: Kathleen M. Wooding, M.A. Oxon.; Organizer of Special Courses: M. Gatehouse, B.A. Camb.; Librarian: J. D. Pearson, B.A. Camb.; Deputy Librarian: R. J. Hoy, B.Sc. (Econ.), F.L.A.

GENERAL INFORMATION

Established by Royal Charter, 1916. A School of the Univ. in the Fac. of Arts and the Fac. of Laws. The School is constituted in nine Depts.: 1. India,

Pakistan and Ceylon. II. South-East Asia and the Islands. III. Far East. IV. Near and Middle East. V. Africa. VI. Phonetics and Linguistics. VII. History. VIII. Law. IX. Cultural Anthropology. Teaching is provided in many languages and in the history, laws, religions and customs of Oriental and African countries. Special facilities for research work.

LIBRARY. Approx 100,000 printed books and pamphlets, and 1000 manuscripts and approx. 16,000 books in the library of Sir Reginald Johnston.

FEES Details of fees are given in the *Calendar*, which may be obtained on application to the Registrar.

STUDENTSHIPS, ETC. Forlong Scholarships, value £150, and Forlong Exhibitions, value £50, are awarded as funds become available.

PUBLICATIONS. *Calendar*, *Annual Report*; *Bulletin*; *The Oriental Year*.

THE YEAR 1948–49

BENEFACTIONS. *Dominion Govt.*: Ceylon, £500. *Colonial Govts.*: Nigeria, £500, Uganda, £500, Tanganyika, £500, Gold Coast, £400, Kenya, £200, Sierra Leone, £200, Northern Rhodesia, £100, Nyasaland, £50, Gambia, £50, Zanzibar, £50, Sarawak, £50, Hong Kong, £350. *Other Contributors*: Govt. of Sudan, £400, Govt. of Iraq, £100, H.E.H. the Nizam's Govt., £250, The Maharaja Gaekwad of Baroda, £250, Anglo-Iranian Oil Co., Ltd., £2000, Iraq Petroleum Co., Ltd., £2000, Consolidated Petroleum Co., Ltd, £1500, The Nathan and Adolphe Haendler Charity, £400, Universities' China Cttee., £250, China Association's School of Practical Chinese, £250, King's Coll. Chinese Professorship, £80 : 0 7, National Bank of India, Ltd., £50, Barclays Bank (D, C and O), £50, Ottoman Bank, £21, United Africa Co., Ltd., £50, W A Browne and Co, £2 : 2s, Sir Montague Burton, £25, O Philipp, £5, J. A de Rothschild, £25, The Humanitarian Trust, £50.

COMMERCIAL COURSES. These courses are planned as required to meet the needs of firms wishing to give training in languages and the related cultures to representatives going overseas. (Note.—In session 1948–49 13 such courses were arranged to which 18 different firms, notably leading oil companies and members of the India, Pakistan and Burma Association, sent representatives. The languages concerned were: Arabic, Japanese, Malay, Persian, Swahili, Gujarati, Telugu, Urdu and Hindi)

COLONIAL SERVICE COURSES. 140 Colonial Admin. Service Probationers and 10 wives completed a course of language training at the School. They studied in the following 4 depts.: South-East Asia and the Islands, Far East, Africa, and Phonetics and Linguistics. Courses for officers of the Service home on leave were also held and 31 officers and one wife chose Language or Oriental Laws as one of their subjects.

NEW DEPARTMENTS AND POSTS. The Senate of the Univ. established 4 new Chairs and 6 new Readerships, viz.: a Chair of the Art and Archæol. of S.-E. Asia; and 3 new Chairs of History, viz.: the History of the Far East; the History of the Near and Middle East; and the History of S.-E. Asia; a Readership in Anthropol. with reference to India; a Readership in Sanskrit; a Readership in Old Javanese; a Readership in Lang. and Culture with special reference to S.-E. Asia; a Readership in Indian Philos. and a Readership in the History of the Near and Middle East. The title of Prof. of Central Asian Studies was conferred on Dr. W. B. Henning; and the title of Reader in W. African Langs. and Cultures on Miss M. M. Green. In addition the Governing Body of the School has apptd. 33 new lectrs. and 10 new assts.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Dr. A. A. Bake was invited to deliver lectures at the Univs. of Basle, Freiburg and Mainz. K. A. Ballhatchet was given leave of absence to accept a Visiting Lectureship at the Univ. of Ceylon. Prof. A. Guillaume, Hd. of the Near and Middle East Dept., toured the Near and Middle East at the invitation of the British Council, lecturing at Univs. and learned insts P. Hardy accepted a scholarship offered by the Univ. of Teheran and subsequently visited Univs. in Northern India and Pakistan. Prof. C. H. Philips, Hd. of the Dept. of History, toured Univs. and centres of historical studies in India, Pakistan and Ceylon. O. P. N. B. van der Sprenkel continued to hold the appt. of Visiting Prof. of English at Nankai Univ., Tientsin, China. On his way home he visited centres of Far Eastern Studies in the U.S.A., with the aid of a grant from the Rockefeller Foundation. 12 other members of the staff were granted study leave for varying periods.

RETIREMENTS. A. H. Harley (Nizam's Reader in Urdu); Dr. W. Stede (Sr. Lectr. in Pali); Miss G. M. Summers (Lectr. in Bengali).

RESIGNATIONS. G. Bennett (Lectr. in the History of S.-E. Asia); G. E. Marrison (Lectr. in Linguistics); and G. M. Wickens (Lectr. in Persian and Arabic), on his appt. to a Lectureship in Arabic in the Univ. of Cambridge.

DEATH. Prof. Emeritus Ida C. Ward (Adviser in African Studies, formerly Hd. of the Dept. of Africa and a member of the staff of the School since 1932).

STUDENTS. Total: 777; full-time: 206; pt.-time: 317; 254 occasional and intercollegiate; the total includes 126 women.

DEGREES. B.A., 14; M.A., 3; Ph D., 14; D.Lit., 1.

SCHOOL OF PHARMACY

Founded 1842

17 Bloomsbury Square, W.C.1.
Telephone: Holborn 7456.

CHAIRMAN OF COUNCIL—Sir HARRY JEPHCOTT, M Sc., F.R.I.C.

DEAN—Professor H. BERRY, B.Sc, F.R.I.C., Dip. Bact.

SECRETARY—S. R. CURTIS, B A.

APPOINTED AND RECOGNIZED TEACHERS

Pharmaceutical Chemistry

Linnell, W. H., M.Sc, Ph D. Durh., D.Sc., F.R.I.C. Prof.

Pharmaceutics

Berry, H, B Sc, Dip Bact., F.R.I.C. Prof.

Pharmacognosy [Sr. Lectr.

Fairbairn, J. W., B.Sc., Ph D.

Pharmacology

Buttle, G. A. H., O.B.E., M.A. Camb. Prof.

Coward, Katharine H, M.Sc., Hon. D Sc. Manc., D.Sc (Biochem.) Reader.

Dyer, F. J., B.Sc., Ph.D. Sr. Lectr.

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. 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.

It is anticipated that, from the session 1949–50 onwards, all undergraduate entrants to the School will be working for the new 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. 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.

STAFF. Appointed and Recognized Teachers (v. *supra*) 6; others, 21.

THE YEAR 1948–49

STUDENTS. Total: 111; full-time: 93; pt.-time: 18; the total includes 34 women and 29 postgraduates.

DEGREES. B.Pharm. (Old Regns.), 11; B.Pharm. (Hons.), 1; Ph.D., 10.

UNIVERSITY COLLEGE

Founded 1826

Gower St , W.C.1.
Telegrams : University College London.
Telephone : Euston 4400.

CHAIRMAN OF THE COLLEGE COMMITTEE—Rt. Hon. LORD NORMAND, LL D.

VICE-CHAIRMAN—SIR ROBERT WALEY COHEN, K.B E., M.A

TREASURER—DAVID HERON, M A., D.Sc.

PROVOST—DAVID RANDALL PYE, C B , M.A., Sc.D. Camb , F.R S.

SECRETARY—E. A. L. GUETERBOCK, M.A. Camb.

LIBRARIAN—JOHN WILKS, M.A., F.L.A.

TEACHING STAFF

Anatomy and Embryology

Young, J. Z., M A. Oxon , F.R.S. (Anat) Prof
..... (Embryol) Prof
Richardson, K. C , M.Sc. W. Aust. (Histol.) Reader.
Aitken, J. T., M.B., Ch B. Glas. Sr. Lectr.
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.
Abercrombie, M., M.A., B.Sc. Oxon. Lectr.
Causey, G , M.B., Ch.B Liv , F.R.C.S. Lectr.
Evans, D. H. Lodwick, M.B., B.S Lectr.
Quilliam, T. A., M.B., B.S., D.L.O. Lectr.

Asst. Lectrs.

Allbrook, D. B., M.B., B.S.
Hamlyn, L. H., M.B., B.S.
James, D. W., M.B., B.S.
Milton, G. W., M.B., B.S. Adel.
Shawe, G. D. H., M.B., B.S.
Morgan, M. Ruth, B.Sc. Birm.
Johnson, Minnie L , B Sc , Ph D. Birm Hon. Res Assoc.
Bishop, P. O , M.S , B S. Syd. Hon Res. Asst.
Blockley, Cecilhe M B , B A Tor.
Boycott, B , B.Sc Hon Res. Asst.
Butson, A R. C , Albert Medal, M A., M.B , B.Ch Camb Hon. Res. Asst.
Hardy, R. H., M.B., B.Ch. Oxon. Hon. Res Asst.
Jungmann, H., M.D Berlin Hon. Res. Asst.
Vizoso, A. D., B.Sc. Oxon. Hon. Res Asst.
Werner, G. A , M.D. Vienna Hon. Res. Asst.
Palmer, Elisabeth, Ph.D. Vienna Bibliographer and Res. Asst.
Sholl, D. A., B.Sc. Temp. Res. Asst.
Blount, W. P., Ph.D., F.R.C.V.S. Hon. Vet. Consultant in Fac. of Med. Sciences.

Anthropology

Forde, Daryll, Ph.D. Prof.
Ladell, W. S. S., B.A., M.B., B.Ch. Camb. Hon. Lectr.

Barnes, J. A , D S C , M.A. Camb. Lectr
Kaberry, Phyllis M., M.A. Syd., Ph.D. Lectr.
Barnicot, N A., B.Sc. Lectr.
Arikpo, D O , B Sc Res Asst.
Baker, Tanya M., B.A Res. Asst.
Brown, Paula S., M A. Chicago Res Asst

Archæology

Robertson, C M , M A Camb (Classical Art and Archæol) Yates Prof
Richards, F. J , M.A Oxon (Indian Archæol) Hon. Lectr.

Bartlett School of Architecture

Architecture

Corfiato, H. O., F.S A., F.R.I.B A. Prof.
Stanley, L Stuart, M.A. Camb , F R.I B A. Sr. Lectr and Tutor
Richardson, Prof. A. E , R.A , M A. Camb., F.S A., F R I.B A. Sp. Lectr.
Wilson, H Warren Sr Lectr. and Dir of Div. of Decoration
Ritchie, T , F.R.I.B A. (Building Construction) Sr. Lectr.
White-Cooper, R C , M C , B A , F R.I B A Sr Lectr.
Hyde, S., F.R.I.B.A. Lectr.
Aberdeen, D. W., B.A. (Arch), F R.I B A Lectr.
Smeed, C. W. J. Lectr.
Foyle, A. M., B.A. (Arch) Lectr.
Thomson, S. L , F.R.I.B.A. Lectr.
Richardson, E. G , B A., D Sc , Ph.D. (Acoustics) Hon. Lectr.

2 Assistants.

Art (Fine Arts)

Coldstream, W. M. Slade Prof.
Gerrard, A. H. (Sculpture) Prof.
Wittkower, R., Ph.D. Berlin (Hist. of Art) Durning-Lawrence Prof.
Charlton, G. J. Sr. Lectr.
Gwynne-Jones, A., D.S.O. Sr. Lectr.
Nuttall-Smith, R., B.A. Oxon. Lectr.

13 Assts

Astronomy, v. Maths.

Bibliography, v. English and Librarianship

Biochemistry

Baldwin, E. H. F., B.A., Ph.D. Camb. Prof.
Warren, F. L., M.A. Oxon., Ph.D., D Sc , F.R.I.C Reader.
Kerly, L. Margaret, M.A Camb., Ph D Reader.
Dent, C. E., B Sc., Ph.D., M.B., B S , F R I C. Sp Lectr.
Crook, E M , M Sc Melb., Ph D. Camb Lectr.
Greenbaum, A. L , B Sc., Ph D. Lectr.
Datta, S P., B.Sc , M.B , B.S Lectr.
Ottaway, J H , B.Sc Asst Lectr.
Law, Kathleen, M Sc. Melb. Temp Asst. Lectr.
Gray, Prof. C H , M Sc., M.B., B S. Hon Lectr.
Albert, Prof A., D Sc , Ph.D. Hon. Lectr.
Johnson, P., M.A., Ph.D. Camb. Hon. Lectr.
Audy, Geneviève M., B.Sc. Hon. Demr.

2 Demrs.

Biophysics, v. Physiology

Botany

Pearsall, W. H., D.Sc. Manc., F.R.S. Quain Prof. and Dir. of Labs.
..... (Plant Chem.) Reader.
Fogg, G. E., Ph.D. Camb. B.Sc. Lectr.
White, D. J. B , B.Sc. Lectr.
Tristram, H., B.Sc. Sheff. Lectr.

Bell, P. R., B.A. Camb. Lectr.
Syrett, P. J , B A. Camb. Lectr.
1 Quain Student.

Chemical Engineering, v. Engineering

Chemistry

Ingold, C. K., D.Sc., F.R.S. Prof. and Dir. of Labs.
Sugden, S., D Sc., F R.S. Prof.
Hughes, E. D , Ph.D. Wales, D.Sc., F.R I.C , F.R S Prof.
Lonsdale, Kathleen, D Sc., F.R.S. Prof.
Bailey, C. R., T.D., B.A., D.Sc. Reader.
Brady, O L., D Sc., D.I.C., F.R.I.C. (Org. C.) Reader.
Poole, H. G., M.Sc. Melb., Ph.D. Reader.
Terrey, H., B.Sc. Reader.
Evans, H. J., B.Sc. Sr. Lectr.
Gilbert, L. F., B.Sc., F.R.I.C. Sr. Lectr.
Day, J. N. E., M.Sc., Ph.D. Lectr.
Bunton, C. A., B.Sc., Ph.D. Lectr.
Maccoll, A., M Sc Syd , Ph.D. Lectr.
Millen, D J., B Sc., Ph D. Lectr.
de la Mare, P. B. D., M.Sc. N.Z., Ph.D. Lectr
Austin, A. T., M.Sc. Melb. Lectr.
Gillespie, R. J., Ph.D. Lectr.
Kohnstam, G., Ph.D. Temp. Asst. Lectr.
Pullin, A. D. E., B.Sc. Temp. Asst. Lectr.
Vernon, C. A., B.Sc. Temp. Asst. Lectr.
Broadbank, R. W. C., B.Sc. Temp. Asst. Lectr.
Hawkins, P. J., B.Sc. Temp. Asst. Lectr.
Wassermann, A., D.Sc., Ph.D. Munich Norman Collie Res. Fellow and Hon. Res. Assoc.
Bunnett, Prof. J. F., Ph.D. Rochester Hon. Res. Assoc.
Craig, D. P., M.Sc. Syd., Ph.D. Hon. Res. Assoc.
Mustafa, A., M.Sc., Ph.D Fuad Hon. Res. Assoc.
Nyholm, R. S., M.Sc. Syd. Hon. Res. Assoc.
Owston, P. G., Ph.D. Hon. Res. Asst.

Civil and Municipal Engineering, v. Engineering

Classics

Lockwood, J. F., M.A. Oxon., Ph D (Latin) Prof.
Webster, T. B. L., M.A. Oxon., F.S.A. (Greek) Prof.
Turner, E. G., M.A. Oxon. (Papyrology) Reader
McLellan, R D., Ph D (Latin and Gk.) Sr. Lectr.
Browning, R., M.A. Glas. and Oxon. (Latin and Gk) Lectr.
Cunningham, Margaret L , B.A. Oxon. (Gk. and Latin) Lectr.
Furley, D. J , M.A. Camb. (Gk. and Latin) Lectr.
Handley, E. W , M A Camb. (Gk and Latin) Lectr.
Kells, J. H., B A. Belf and Camb. (Latin and Gk.) Lectr.
Dunston, A. J., B.A. Reading and Camb. (Latin and Gk) Asst. Lectr.
Willis, J. A , B.A. (Latin and Gk.) Asst. Lectr.
Treweek, A. P., B.A. Syd. (Greek) Hon. Res. Assoc.
Cambitoglon, A., M.A. Manc. (Gk.) Hon. Res. Asst.
Kamel, W., M.A. Cairo (Latin) Hon. Res. Asst.
1 Asst.

Danish, v. Scandinavian

Dutch History and Institutions

Renier, G. J., Phil.Lit. cand. Ghent, Ph.D. Prof.

Economics, v. Polit. Econ.

Egyptology and Coptic

Černý, Jaroslav, Ph Dr. Prague
Edwards Prof.
Arkell, A. J., M.B.E., M.C , B Litt. Oxon , F.S.A. Lectr.
Lafleur, Violette C.
Hon. Museum Asst

Electrical Engineering, v Engineering

Embryology, v. Anatomy

Engineering, Chemical

Watson, H. E., D.Sc., F.R.I C.
Ramsay Memorial Prof.
Donald, M. B., M Sc. Mass. Inst. Tech., F.R.I.C. Reader.
Mullen, J. P , M Eng Liv.
Sr Lectr
Freeth, F A., O B E., D Sc Liv., F.R S. Hon. Lectr.
Lunt, R W., M Sc , Ph D Liv., M Sc (Eng), F.I P.
Hon. Lectr.
Calderbank, P. H., B Sc. Lectr.

Engineering, Civil and Municipal

Collins, H. J , M C., M.Sc. (Eng.) Birm.
Chadwick Prof. and Dir. of Civil and Mun. Eng. Labs.

.....

(Surveying and Photogrammetry) Prof.
Jessop, H T., T.D , M Sc.
Sr. Lectr.
Capper, P. L., T.D., M.Sc.
Sr. Lectr
Ballantyne, A. M., B.Sc., Ph.D. Glas. Sr. Lectr.
Delafield, Prof. M. E., M.C., B.A., M.B , B.Chir., D P H. Camb. (Hygiene) Sp. Lectr.
Smith, T. Brian Sp. Lectr.
Vaughan, R. C., B.Sc. Bristol
Lectr.
Miskin, E. A., M.A. Oxon., B.Sc. Sheff., F.R.Met.S. Lectr.
Biddle, C. A., B.A. Camb., F.R.I.C.S. Lectr.
Oakley, H. R., M.Sc. (Eng.)
Lectr.
Davis, E. H., B Sc. (Eng.) Lectr.
Elvery, R. H., B.Sc. (Eng.)
Lectr.
Hounsfield, R. B., B.A. Camb.
Res. Asst.
Snell, C., M.Sc. Res. Asst.
Dudarewicz, C., Dipl. Ing. Warsaw
Hon. Res. Asst.
3 Demrs.

Engineering, Electrical

Barlow, H. E M., B Sc., Ph.D.
Pender Prof. and Dir. of Labs.
..... Prof.
Bayliss, C. W., M A. Camb. (Electrical Machinery) Sr. Lectr.
Marriott, H., B.Eng. Sheff., B.Sc. (Econ.) Lectr.
Cullen, A L., B.Sc. (Eng.) Lectr.
Brookes, B. C., M.A. Oxon.
(Presentation of Tech. Informn.) Lectr.
MacGregor-Morris, Prof. J. T., D.Sc. (Eng.)
Hon. Research Assoc.
Kenshole, G. E., B.Sc. (Eng.)
Asst. Lectr.

Engineering, Mechanical

Lloyd-Evans, B. J., M.Sc. (Eng.), Ph.D. Kennedy Prof.
Webb, A. E., B.Sc. (Eng.)
Sr. Lectr.
Billett, H., B.Sc. (Eng.) Birm.
Lectr.
Ross, J. G., B.Sc. (Eng.) Lectr
Jackson, K. L., M.Sc. (Eng.)
Lectr.

English

Sisson, C. J., M.A. Edin., D. ès L. Dijon, D.Lit.
Lord Northcliffe Prof.
Smith, A. H., O.B.E., M.A., Ph.D. Leeds, D.Lit. Quain Prof.

Jenkins, H., D.Litt , M.A Rand Reader.
Greg, W. W., Litt.D. Camb., D.Litt. Oxon , F.B.A. (Bibliogr.) Hon. Lectr.
Bond, Prof. R P , M A , Ph D. Hon Lectr
Husbands, H. Winifred, M.A. Sr. Lectr.

Lecturers

Hulme, Hilda M., M.A., Ph D.
Nowottny, Winifred M. T., M.A.
Kane, G. J., M A. Tor , Ph D.
Spencer, T. J. B., B.A.
Quirk, C. R., M A. Asst. Lectr
Haddakin, Lilian F., M.A., Ph.D. Asst. Lectr.
Salmon, Vivian G., M.A Res. Asst and Departmental Sec.
1 Quain Student.
3 Assts.

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. (Eugenics) Galton Prof
Grüneberg, H., Ph.D. Berlin, M.D. Bonn, D.Sc. (Genetics) Reader
Kalmus, H., M.D., D.Sc. Prague (Eugenics) Lectr.
Smith, C. A. B., M.A., Ph.D.Camb. (Eugenics) Lectr.
Bell, Julia, M.A Dub., F.R.C P (Eugenics) Hon. Res. Assoc.
Spurway, Helen, Ph.D. (Genetics) Hon. Lectr.
Mandeville, L. C. (Genetics) Hon. Res. Asst.
Holt, Sarah B., B.Sc. Bristol, Ph.D. (Eugenics) Res. Asst.
Lawler, Sylvia D., M.B., B.S. (Eugenics) Res. Asst.
Karn, M. Noel, M.A. Camb. (Eugenics) Res. Asst
Harris, H., M B., B Ch., M A. Camb. (Eugenics) Hon Res. Asst.
Mittwoch, Ursula, B Sc. (Eugenics) Hon. Res Asst.
Suley, A. C. Elizabeth, B.A. Oxon. (Genetics) Asst Lectr.
McArthur, Norma R , B A Melb , Ph.D. (Eugenics) Asst. Lectr.

French, v also Hist.

Woledge, B , M A Leeds, D de l'U. Paris Fielden Prof.
Tancock, L. W., Ph D. Sr. Lectr.

Lecturers

Schlumberger, Beatrice J., M A.
Smith, C , M A Manc , Ph D.
Starke, Dora, M.A.
Walker, D. P., Ph.D. Oxon.
Lequet, A. E A , L ès L , D E S. Paris, B.A Asst Lectr.
Hall, G , B A Asst Lectr.
Hollins, Sibyl G , Ph.D. Asst Lectr.
Lowe, Ann M., B A 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, Sc.D. Bowdoin, Maine, F.R.S. Hon. Lectr.
Smailes, A. E., M.A. Lectr.
Olsen, Constance P. M , M.A. Lectr.
Brown, E. H., M.Sc. Wales Lectr.
Cornish, R. T., M.Sc. Lectr.
Mead, W. R , M.Sc. (Econ), Ph.D. Lectr.
Jones, E., M.Sc , Ph.D. Wales Asst. Lectr.
Wheatley, P., B.A. Liv. Asst. Lectr.
Fox, Rachel, B.A. Res. Asst.
Freestone, Helen M. Res. Asst.

Geology

Hollingworth, S. E., M.A. Camb., D.Sc. Yates-Goldsmid Prof.
Chubb, L J , M.Sc., Ph D Sr Lectr.
Barnard, T , B Sc., Ph D , D.I C Lectr.
Wells, M K , M.Sc Lectr.
Capewell, J. G., B.Sc. Leeds Lectr.
Hudson, R G. S., D.Sc. Hon. Lectr
1 Museum Asst.

German

Forster, L. W., M A. Camb. Prof.
Wilkinson, Elizabeth M., Ph.D. Reader
Maurer, K. W , Ph D. Tubingen Sr. Lectr
Hatto, A T , M.A Lectr
Appelbaum, Ilse W. B , B A. Lectr.
Schwarz, W , M A., Ph D. Lectr
Wells, G. A , B.A. Temp. Asst. Lectr.

Hebrew, v. also Semitic Epigraphy

Stein, S , Ph D Heid Goldsmid Lectr
Wiesenberg, E , Ph D Lectr
1 Asst.

History

Neale, J E., M.A. Liv. and Manc , D Litt. Wales, F.B.A. (English H) Astor Prof.
Bellot, H. Hale, M.A. Oxon. (Amer H.) Commonwealth Fund Prof.
Humphreys, R. A , O.B E., M A , Ph D Camb. (Latin Amer. H.) Prof.
Jones, A. H. M., M.A. Oxon., F.B.A. (Ancient H.) Prof.
Bindoff, S. T., M.A. (Modern H.) Reader.
Cobban, A. B. C., M A., Ph.D. Camb. (Mod. French H.) Reader.
Reddaway, T. F., M.A. Camb., (London H.) Reader.
Drower, Margaret S., M.B.E., B.A. (Ancient H.) Lectr.
Morris, J. R., B A. Oxon. (Ancient H.) Lectr.
Christie, I. R., M.A. Oxon. (English H.) Asst. Lectr.
Crompton, J., B.A. Manc (English H) Asst. Lectr
Davis, R. H. C., M A. Oxon. (English H.) Asst. Lectr.
Taylor, A J., M A. Manc (English H.) Asst. Lectr
Beevers, R H., B A. Oxon. (Amer H.) Asst. Lectr.

Italian

Weiss, R , B.A. Oxon. Prof.
Bassani, A M , Sc.D Naples Lectr.
Chandler, S. B., B.A Asst. Lectr.

Laws

Keeton, G. W., M.A , LL D. Camb. (Engl. L.) Prof., Hd. Dept of Laws.
Williams, G. Ll., M.A , Ph D., LL D Camb (Jurispr.) Quain Prof.
Fitzgerald, R C , LL.B., F R S.A. (English L) Reader.
Lloyd, D , M A. Camb , LL.B. (English L.) Reader.
Powell, R , M A , B.C.L. Oxon. (Law) Reader.
Schwarzenberger, G., Dr.Jur. Tübingen, Ph.D. (Internat. L.) Reader.
O'Sullivan, R., K.C. (English L.) Hon. Lectr.
Edwards, J. L. J., B A. Camb., LL.B. Wales (English L) Lectr.
Green, L. C., LL.B. (Internat. L.) Lectr.
Marshall, O. R., M A. Camb., Ph.D. (English L) Lectr.
Orr, A. S., O.B.E., M.A. Edin. and Oxon., B.C.L. Oxon. (Jurisprud.) Lectr.
Ganado, J. M., B.A., LL.D. Malta (Compar. L.) Asst. Lectr.

Holland, D. C., M.A. Camb. (English L.) Asst. Lectr.
Ivamy, E. R. H., LL.B. (English L.) Asst. Lectr.
Scamell, E. H., LL.M. (English L.) Asst. Lectr.
Strange, Susan, B.Sc. (Econ.) (Internat. Relations) Asst. Lectr.
1 Asst.

Librarianship

Irwin, R., M.A. Oxon., F.L.A. Director.
Wilks, John, M A., F.L.A. Asst. Dir.

Lecturers

Piggott, Mary, B A., F.L A.
Staveley, R., B.A , F L A.
Francis, F. C., M.A. Liv., F.S.A. (Bibliography).
Pafford, J. H. P., M.A., F.L A. (Univ. Libraries).
Sayers, W. C. Berwick, F.L.A. (Public Libraries).
Hector, L. C., M.A. Oxon. (Palæography).
Evans, D. L., O.B.E., B.A. Wales, B.Litt. Oxon. (Admin. Hist.).
1 Demr.

Mathematics

.....
Goldsmid Prof. and Head of Dept.
Davenport, H., M.A. Manc., Sc.D. Camb., F R.S. Astor Prof.
Wren, T. L., M.A. Camb. (Geom.) Reader.
Bosanquet, L. S., M.A., D.Sc., D.Phil. Oxon. Reader.
Burhop, E. H. S., B.A., M.Sc. Melb., Ph.D. Camb. Reader.
Estermann, T., D.Nat.Sc. Hamburg, D.Sc. Reader.
Kestelman, H., M.Sc. Reader.
Stevenson, A. C., M.Sc. Reader.
Gregory, C. C. L., M.A. Camb., D.I.C., F.R.A.S. (Astronomy) Sr. Lectr. and Dir. of Univ. Observatory.
Archbold, J. W., M.A. Camb. Lectr.
Bates, D. R., M.Sc Belf. Lectr.
Buckingham, R. A., B.A., Ph.D. Camb. Lectr.
Harris, F. C., M.Sc., Ph.D. Lectr.
Rigby, Constance M., M.A. Oxon., Ph.D. Lectr.
Wigglesworth, L. A., M Sc. Lectr.
Rogers, C. A., Ph.D. Lectr.
Capildeo, R , M.Sc , Ph.D. Asst. Lectr.
Holland, R. E., B.Sc. Wales Asst Lectr.
Roth, K. F., B.A. Camb., M.Sc. Temp. Asst. Lectr.
Clarke, L. E., M.A. Camb Temp Asst Lectr.
Fundaminsky, A , B.Sc. Belf., Ph.D. Temp. Asst. Lectr.
Griffith, T. C., Ph.D Wales Exp. Res. Asst.
Boyd, R. L. F., B.Sc. (Eng.), Ph.D. Hon. Res. Asst.
Hasted, J. B., M.A., D.Phil. Oxon. Hon. Res. Asst.
1 Demr.

Mechanical Engineering, v. Engineering

Municipal Engineering, v. Engineering

Norwegian, v. Scandinavian

Pharmacology

Winton, F. R., M.A., M.D. Camb., D.Sc. Prof.
Schild, H. O., M.D. Munich, Ph.D. Edin. Reader.
Wilson, A., M.D., Ph.D. Glas., F.R.F.P.S. Glas. (App. P.) Reader.
Mongar, J. L., B.Sc. Asst. Lectr.
Kennard, D. W., M.B., B.S. Temp. Asst. Lectr.

Bergel, 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.
Trevan, J. W., B.Sc., M.B., B S., F.R C.P., F.R S. Hon. Lectr.

Philology

Braunholtz, Prof. G. E. K., M.A. Oxon. and Camb. (Classical) Lectr.

Philosophy

Ayer, A. J., M.A. Oxon. (P. of Mind and Logic) Grote Prof.
Keeling, S. V., M.A. Camb , D. ès L. Montp., D.Lit. Reader.
Hampshire, S. N., M.A. Oxon. Lectr.
Wollheim, R. A , M.A. Oxon. Asst. Lectr.
2 Assts.

Phonetics

Fry, D. B., Ph.D. (Exper P.) Reader and Head of Dept.
Coustenoble, Hélène, D.Lit. Reader.
Chapallaz, Marguerite, B.A. Lectr.
Denes, P., M.Sc. Manc. Lectr.
Gimson, A. C., B.A. Lectr.
O'Connor, J D., B.A. Lectr.
Pring, J. T., M.A. Oxon. Lectr.
Arnold, G. F , B.A. Asst. Lectr.
Trim, J. L. M , B.A. Asst. Lectr.
Tooley, Olive M. Temp. Lectr.

Physics

Massey, H. S. W., M.Sc. Melb., Ph.D. Camb., F.R.S. Quain Prof. and Dir. of Labs.
Wood, D. O., M.Sc. Sr. Lectr. and Depy. Dir. of Labs.
Gibbs, R. E., D.Sc. Reader and Supt. of Sen. Labs.
Brown, G. B., M.Sc. Manc., Ph.D. Reader.
Duncanson, W. E., Ph.D. Camb., D.Sc. Reader.
..... Reader.
Brown, R. C., Ph.D. Sr Lectr.
Dodd, C., Ph.D. Lectr.
Fox, J. W., Ph D. Lectr.
Heyland, G. R., B.Sc. Lectr.
Jennings, R. E , B.Sc. Lectr.
Curtis, G. C., M.A. Camb. Asst. Lectr.
Kennedy, A J., B Sc. Asst Lectr
Henderson, C., Ph D. Asst. Lectr.

Physiology

Brown, G. L , C.B.E., M.Sc., M.B., Ch.B. Manc., F.R.S. (Physiol.) Jodrell Prof.
Schweitzer, A., M.D. Cologne, Ph.D., D.Sc. (Exper. P.) Reader.
Katz, B., M D. Leipzig, Ph D., D.Sc. Reader.
Eggleton, M. Grace, D.Sc. Sr. Lectr.
Harkness, R. D., B.Sc , M.B., B.S. Lectr
Wilkie, D. R., M.D. Yale, M.B., B.S. Lectr.
Lippold, O. C. J., M.B., B.S. Asst. Lectr.
Daly, M. de B., M.A., M.B., B.Ch. Camb. Asst. Lectr.
Lewis, H. E., B.Sc., M.B., Ch.B. Cape Town Temp. Asst. Lectr.
Jehring, Barbara, B.Sc. Temp. Asst. Lectr.
del Castillo-Nicolau, J., M D. Madrid Temp. Asst. Lectr.

Hon. Research Associates

Duke-Elder, Sir Stewart, K.C.V.O., M.D. St. And., M.A., D.Sc., Ph.D., F.R.C.S.
Davson, H., D.Sc.
Howarth, Sheila M., M.B., B.S.
1 Sharpey Scholar.
1 Asst.

Biophysics Research Unit

Hill, A V, C H, O B E, Sc D Camb, D Sc. Oxon. and Manc., LL D. Edin., M.D Louvain, F.R.S
Foulerton Prof (Roy Soc) and Univ. Prof
..... Hon. Res. Assoc.
Parkinson, J. L. Hon. Res Asst
Downing, A. C Hon Res Asst
Harris, E. J, Ph D, D I.C.
Hon Res. Asst.
Abbott, B. C, B.Sc.
Hon Res Asst.

Political Economy

Allen, G. C., M Com, Ph D Birm.
Prof
Tout, H., C.M.G., M.A. Oxon.
Reader
Stonier, A. W., M.A. Oxon, D.Phil.
Held Sr Lectr.
Bowley, Marian E A., B.Sc. (Econ.), Ph D. Lectr.
Corlett, W. J., M A. Camb. Lectr.
Hague, D. C, B Com. Birm.
Asst Lectr
Nicholson, Patricia A, B.A Oxon
Asst. Lectr.
Donnithorne, Audrey G., B A Oxon Res Asst
Newman, P. K, B Sc (Econ)
Res Asst.
Robson, P., B.Sc (Econ)
Res Asst.

Psychology

Russell, R. W., M.A. Clark, Ph.D. Va. Prof.
Flugel, J. C., B.A. Oxon., D.Sc.
Sp. Lectr
Philpott, S. J. F., M.C., D Sc.
Sr. Lectr.
Keir, Gertrude H., M.A. St. And.
Lectr.
Banks, E. K. Charlotte, Ph.D.
Lectr.
de Monchaux, Cecily, B.A. Syd.
Lectr.
Summerfield, A, B Sc Manc and Lond. Asst Lectr
Hamilton, M, M.B., B S.
Sp. Lectr.
Rawlings, Grace, B.A. Sp. Lectr.
Jonckheere, A R, B.Sc Res. Asst.

Scandinavian Studies

Smith, Prof. A. H, O B E, M A, Ph D Leeds, D Lit Director.
Koefoed, H A., cand mag. Copenhagen (Danish)
Queen Alexandra Lectr.
Eiken, E, cand philol. Oslo (Norwegian) W P Ker Lectr.
Brandberg, I. P., Fil lic. Uppsala (Swedish)
Crown Princess Louise Lectr.
Luttrell, C A., B.A.
(Old Norse) Asst. Lectr.

Science, History and Philosophy of

Dingle, H, D Sc., D I C Prof.
McKie, D, D Sc, Ph D Reader
Underwood, E Ashworth, M.A., B.Sc, M.D., D.P H Glas, F.L.S. Hon. Lectr.
Armitage, A, M Sc, Ph D. Lectr
Crombie, A. C, B Sc Melb, Ph.D. Camb. Lectr.
Heathcote, N. H. de V, B Sc., Ph D Lectr

Semitic (North) Epigraphy

Stein, S., Ph D Heid. Lectr

Statistics

Pearson, E. S., C.B.E., M.A. Camb., D Sc. Prof.
David, Florence N., Ph D. Reader.
Johnson, N. L., M.Sc., Ph.D, F.I.A. Lectr.
Hartley, H. O., Ph.D. Berlin and Camb. Lectr.
Please, N. W., B.Sc Asst. Lectr.
Thomas, Marjorie, M.Sc.
Asst. Lectr.
Merrington, Maxine P. M., B.Sc.
Demr. and Res. Asst.

Thompson, Jean H., B.Sc. Demr. and Res Asst.

Surveying, v. *supra*, Engineering

Town Planning

Holford, W. G., M A Liv., F.R I B A. Prof.

Ling, A G., B A. (Arch.) 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, B A (Arch) Studio Instr

Zoology & Comparative Anatomy

Watson, D. M S, LL D Aberd, D Sc. Cape T., Manc and Rand, F.R S. Jodrell Prof

Wells, G. P., M.A. Camb Reader.

Freeman, R. B, M.B.E., B.A. Oxon. (Taxonomy) Reader.

Fraser, Elizabeth A, D Sc. Hon. Res. Assoc.

Mackinnon, Prof. Doris L., D Sc., LL.D. Aberd. Hon. Res. Assoc.

Ross, D. M, M.A. Dal., Ph D. Camb. Lectr

Newth, D R., B.Sc. Lectr.

Kuhne, W. G., Ph D. Bonn Lectr.

Whitby, Pauline, B.A. Oxon. Temp. Lectr

Whitear, Mary, B Sc. Asst. Lectr

Kermack, K. A., B.Sc. (Biol. Stats.) Asst. Lectr.

Townend, Joyce Res Asst. and Sec. to Dept.

GENERAL INFORMATION

Founded in 1826 and opened October 1, 1828, under the name of "The University of London," the College was incorporated as "University College, London," by Royal Charter in 1836. On January 1, 1907, it was incorporated in the University of London.

LIBRARY. The College Library contains over 550,000 books and pamphlets. The original Library building was largely destroyed by enemy action during 1940–41, with a loss of some 70,000 volumes. The General Library has now been restored, and it is hoped that part of the Library will be able to return to the main building in the near future. Meanwhile, only nuclei of the libraries in many subjects are generally available, some two-thirds of the total book stock being inaccessible at present owing to the shortage of accommodation.

The *General Library* contains, in addition to a selection of reference works and books suitable for first-year students, the libraries in Fine Art, Hebrew, Philosophy, Phonetics and Psychol.

The *Foster Court Library* contains nuclei of the libraries in Ancient Hist., Archæol. (Yates Library), Classics, English, Geog., Modern Langs., Law, Science and Engin.

The *Gordon Square Library* contains the libraries in Mediæval and Modern Hist. (including London Hist. and American Hist.), and Political Economy (Ricardo library).

The *Thane Library of Medical Sciences* is situated in the Anatomy building and contains works in Anat., Biochem., Embryol., Pharmacol. and Physiol.

The libraries in Anthropol., Archit., Egyptol. (Edwards Library), Librarianship and Town Planning are housed in their respective depts.; and some of the books in Chem. are kept in the Ramsay Reading Room in the department of Chemistry.

The libraries of the Geologists' Association, the Herts. Natural History Society, the London Mathematical Society, and the Malacological Society

are housed in the Foster Court Library; and the library of the Folk Lore Society is housed in the General Library.

The Whitley Stokes Library in Celtic, the Barlow Dante Library, and the Carnegie Libraries of American Lit. and of Internat. Law are among the collections still not available to readers. The Mocatta Library in Jewish Hist. was destroyed by enemy action, but is being reconstituted.

MUSEUMS. Anat., Archit., Bot., Egypt., Geol. and Mineral., Vulcanological (Johnston-Lavis Collection), Zool.

FACULTIES AND DEANS. Arts, Prof. A. J. Ayer; Laws, Prof G. W. Keeton; Science, Prof. S. E. Hollingworth; Engineering, Prof. H. E. M. Barlow; Medical Sciences, Prof. J. Z. Young.

The Fac. of Arts includes the Slade School of Fine Art, the School of Librarianship and Archives, the Bartlett School of Archit. (including the Div. of Decoration) and the Dept. of Town Planning.

TUTORS. Arts, R. D. McLellan; Science, D. O. Wood (Senior Tutor); Engineering, H. Marriott; Medical Sciences, J. T. Aitken; Laws, O. R. Marshall; Women Students, Diana L. Brain, B.A.

COURSES. Degree courses in Arts, Archit., Laws, Science, Engineering, Economics, Medical (pre-clinical).

Univ. Dipl. Courses in Anthropol., Archæol., Archive Admin., Fine Art, 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.

Coll. Cert. Courses in Archit. (this cert. is recognized as exempting from the R.I.B.A. Intermediate Examination), Town Planning, Phonetics, Surveying.

POSTGRADUATE AND RESEARCH WORK. All depts. as set out in the *Teaching Staff* list, v. *supra*, are available for postgrad. and res. work, and the respective Profs. are always prepared to advise students wishing to undertake res.

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.

FEES. Entrance Registration—1 g.; overseas students—2 gs. Tuition composition fee, Degree courses—Undergrad.: Arts, 101 gs. (3 yrs.); Archit., 233 gs. (5 yrs.); Sci., 101-169 gs. (3 or 4 yrs.); Chem. Engin., 171-192 gs. (3 or 4 yrs.); Engin., 171-217 gs. (3 or 4 yrs.); Economics, 101 gs. (3 yrs.); Med. for first examn., 39 gs. (1 yr.); second examn., 82 gs. (2 yrs.); Laws, day, 101 gs. (3 yrs.), evening, 74 gs. (3 yrs.).

Postgrad. (all 2 yrs.): Ph.D., 44 gs.; M.A., 23 gs.; LL.M., 44 gs.; M.Sc., 23-30 gs., according to subject; M.Sc. (Econ.), 23 gs.; M.Sc. (Eng.), 35 gs.

Dipl. and Cert. Courses: Anthropol., 52 gs. (2 yrs.); Archæol., 29 gs. (1 yr.); Archit., Cert., 171 gs. (3 yrs.), Dipl., 233 gs. (5 yrs.); Decoration, 171 gs. (3 yrs.); Town Planning, day, 28 gs. (1 yr.), evening, 18 gs. (1 yr.); Archive Admin., 31 gs. (1 yr.); Fine Art, 106½ gs. (3 yrs.); Librarianship, 31 gs. (1 yr.); Phonetics, 50 gs. (2 yrs.); Psychol., 50 gs. (2 yrs.); Chem. Engin., 32½ gs. (1 yr.); Surveying, Cert., 61 gs. (1 yr.), Dipl., 41 gs. (1 yr.).

SCHOLARSHIPS, ETC. Annual value, about £7900 (including £2300, Entrance Scholarships).

RESIDENCE. College Rooms in Gower Street for 42 women.

PUBLICATIONS. *Calendar* (Oct.), 8s. 6d.; *Annual Report*; *University College, London*, by Prof. H. Hale Bellot, 25s.; the various Faculty and Departmental Prospectuses; *Prospectus* of postgraduate courses and arrangements for research. *Scholarships Prospectus.*

Galton Laboratory, *Annals of Eugenics*, a quarterly Journal of Human Genetics; *Treasury of Human Inheritance.*

THE YEAR 1948–49

BENEFACTIONS. Messrs. Bellman Hangers Ltd., £250 per annum for a minimum of 3 yrs. for furthering res. in structural development. Goldsmiths' Company, £1000 towards the cost of a sound-proof room for the dept. of Phonetics. Arthur John Head, a bequest of £100 to be used at the discretion of the Coll. Cttee. Prof. H. F. Jolowicz, £250 for furthering the study of Roman Law. Monsanto Chemicals Ltd., a Fellowship of the value of £400 per annum for the purpose of aiding the general res. programme of the Chem. Dept. Rockefeller Foundation, a grant of $4000, or as much thereof as may be necessary towards the purchase of books and other materials essential for the development of Latin American Studies.

NEW BUILDINGS. Progress in reconstruction of the bldgs. destroyed by enemy action during the war continued to be slow, as there had been little improvement in the shortage of labour and materials. Reconstruction of the central main bldg. continued and the dome was completed after the close of the yr. The completion of the main bldgs. is expected by 1951 and it is hoped to make a start on the new Science Wing towards the end of 1950. Rehabilitation of 3 houses in Gordon Sq. to house the History Dept. and of the General Library in the main bldg. is expected to be finished in 1950. This will effect a slight improvement in the congestion from which all depts. have suffered since the war. Meanwhile the temp. huts will continue to house the greater part of the Physics Dept., the Refectory and the admin. and Union offices until permanent accomm. gradually becomes available.

NEW POSTS. Readerships in Physics (with special reference to Metal Physics), Taxonomy.

NEW COURSE. M.Sc. Course in Crystallog.

EXTRA-MURAL WORK. The Coll. does not undertake extra-mural work, but accomm. is provided for meetings of Univ. Tutorial Classes and Extension Courses. Approx. 15,000 persons attended public lectures, including 2700 at lunch-hour lectures.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. D. Abercrombie (Edinburgh), "Speech and Society"; Prof. K. Ajdukiewicz (Poznan), "The Definition of Truth and the Problem of Idealism"; Dr. S. J. Bach (Cambridge), 3 lectures on "Developments in Research in Protein Metabolism"; Prof. F. Blume (Kiel), Goethe Bicentenary Lecture, "Goethe and Music"; Prof. V. Branca (Florence), "Tradizione medievale nel *Decameron*"; Dr. C. de Duve (Louvain), 3 lectures on "The Control of Carbohydrate Metabolism"; Prof. H. Krawinkel (Cologne), "Law in the British Zone of Germany"; Prof. F. H. Lawson (Oxford), "Private Law Aspects of Western Union"; Prof. A. G. Mitchell, visiting Prof. from Univ. of Syd. to dept. of English;

J. R. N. Stone (Cambridge), Newmarch Lectures on " The Role of Measurement in Economics " ; Prof. Jost Trier (Munster), " Rhythmus " ; Prof. E. R. Vincent (Cambridge), 3 Barlow Lectures on Dante ; Prof. E. C. S. Wade (Cambridge), " The Constitutional Aspect of the Public Corporation."

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. A. J. Ayer (Philos) to New York ; Prof. Daryll Forde (Anthropol) to California ; Prof. C A. Hart (Surveying) to Univ. Coll. of Nigeria and Gold Coast ; Dr. H. O. Hartley (Stat.) to Princeton ; Prof. W. G. Holford (Town Planning) to Italy ; Prof. C. K. Ingold (Chem) to Madrid ; Dr. K. Lonsdale (Crystallography) to Scandinavia , Dr. G. Schwarzenberger (Internat Law) to Madrid , Prof. C. J. Sisson (English) to U.S.A. (N. Carolina and other Univs.), delivered Turnbull Lecture at Johns Hopkins Univ. ; A. E. Smailes (Geog) to Belfast ; Dr. A. H. Smith (Scandinavian Studies) to Iceland and Scandinavia ; Prof. D. M. S. Watson (Zool.) to Witw. ; Prof. F. G. Young (Biochem.) delivered Jacobæus Memorial Lecture at Oslo, also to Copenhagen ; Prof J. Z. Young (Anat.) to U.S.A.

RETIREMENTS Prof. C. A Lovatt Evans (Jodrell Prof. of Physiol) ; Prof. C. B. Fawcett (Geog.) ; Prof. Daniel Jones (Phonetics) , J. W Jeaffreson (French).

RESIGNATIONS. Prof. H. F. Jolowicz (Prof. of Roman Law), apptd. to Regius Chair of Civil Law, Oxford ; Prof. F. G. Young (Biochem), apptd. to Sir William Dunn Chair of Biochem., Cambridge ; H. Ingham Ashworth (Lectr. in Archit.), apptd. to Chair of Archit., Sydney ; F. W. Jane (Reader in Bot), apptd. to Chair of Bot., Royal Holloway Coll. ; C P. Magill (Lectr. in German), apptd. to Lectureship in German at King's Coll , London ; Dr. B. Pattison (Lectr. in English), apptd. to Chair of Educn. at Inst. of Educn.

IMPORTANT EVENTS. Foundation Oration (March 17, 1949) by Prof. M. L. E. Oliphant ; Assembly of Coll. Facs. (June 30, 1949) ; Special Visitor —Robert Birley.

STUDENTS. Total : 3433 ; full-time : 2652 ; pt -time : 781 ; the total includes 1046 women and 616 postgraduates.

DEGREES. B.A , 165 ; M.A , 12 ; Ph.D. (Arts), 18 ; LL.B., 53 ; LL.M., 5 ; B.Sc., 123 ; M.Sc., 21 ; Ph.D (Science), 37 ; D.Sc., 2 ; B.Sc (Econ.), 45 ; M.Sc. (Econ.), 1 ; B.Sc. (Eng), 53 ; M.Sc. (Eng.), 2 ; Ph D. (Eng.), 1 ; B.Sc. (Chem. Eng.), 9.

WESTFIELD COLLEGE *

Founded 1882

Kidderpore Avenue, N.W.3.
Telephone : Hampstead 7601.

CHAIRMAN OF COUNCIL—The Hon. SYLVIA FLETCHER MOULTON, O.B.E , M.A.

PRINCIPAL—Mrs. J. L. STOCKS, B.Sc.

SECRETARY TO COUNCIL—ROSALIE M FORSTER, B.A

TEACHING STAFF

Botany

Calder, Mary G., Ph D. Glas Lectr
Lambert, Joyce M , B.Sc Wales, Ph D. Lectr.

Classics

Winnington-Ingram, R. P., M.A. Camb. Prof
Barratt, Christine, M.A. Oxon Lectr
Glanville, Irene M., M A. Oxon. Lectr
Jenkinson, Edna M , M.A. Camb. Asst Lectr

Economics

Stocks, Mrs J. L , B.Sc. Lectr.

English Lang. and Lit.

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.
Carr, Barbara, M.A. Asst. Lectr.

French

Elcock, W. D., M.A. Oxon. and Manc., L. ès L., D. de l'U. Toulouse Prof.
Dickinson, Gladys, B.A., L ès L. Reader.
Rutherford, Mrs Marie-Rose, M.A. Lectr.
Coppock, Mrs. Denise Asst. Lectr.
Jaques, Juliette W., B A Asst Lectr.

German

Beare, Mary, M.A. Belf., Ph.D. Bonn Reader.
Ganz, P. F., B.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., B 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.
Pedoe, D., M.A., Ph.D. Camb. Reader.
Weiss, P., Ph.D. Camb. Lectr.
Fishel, B., B.Sc. Asst. Lectr.

Spanish

Perry, Janet H., M.A. Lectr.

* For women.

GENERAL INFORMATION

Founded in 1882 by Miss Dudin Brown for the higher education of women, the college is undenominational, but the Principal must be a member of the Church of England. Near the s.w. corner of Hampstead Heath; residential accomm. for 220 students. A School of the Univ. in Arts.

Students are not admitted under the age of 18, and are required to take the Scholarship and Entrance examn. Approved courses (Hons. and Special) in the Fac. of Sci. in Maths. are provided, as well as in Arts. *Fees*: tuition from 38 to 42 gs., residence £130 per session. There is an Old Students' Association.

POSTGRADUATE RESEARCH STUDENTSHIPS. Two studentships of £250 are offered annually to women graduates of any Univ.

PUBLICATIONS. *Prospectus* (May); *Report* (Oct.); *Hermes* (Students' Mag.).

THE YEAR 1948–49

BENEFACTION. Legacy from Miss E. E. Hart, student from 1896 to 1900, of £325 : 10 : 10 for the Old Students' Scholp. Fund.

NEW POSTS. Univ. Readership in Maths., Asst. Lectureship in Italian.

VISIT OF MEMBER OF STAFF TO ANOTHER UNIVERSITY. B. E. C. Davis, Hd. of the Dept. of English, visited the U.S.A. during the Lent Term and lectured on Spenser at Stanford Univ.

RESIGNATIONS. Mrs. H. Connell, Lectr. in the German Dept.; Miss M. Grierson, Asst. Lectr. (Classics), on appt. to the Ministry of Educn. Inspectorate; Miss D. Nash (Botanical Garden Curator), to be Hortic. Lectr. at the Nat. Society's Training College (Berridge House).

HONORARY FELLOW. Miss E. C. Gedge (Sec. to Council 1920–48) accepted election as an Hon. Fellow of the Coll.

STUDENTS. Total: 242; full-time: 235; pt.-time: 7; the total includes 17 postgraduates.

DEGREES. B.A. Hons., 47; M.A., 1; B.Sc. (Specl.), 9; M.Sc., 1; Ph.D. (Sci.), 1; Univ. Studentships, 3; and 1 Res. Fellowship at the Inst. of Historical Res.

*

WYE COLLEGE

(THE COLLEGE OF ST. GREGORY AND ST. MARTIN AT WYE),

WYE, ASHFORD, KENT

Founded 1894

Telegrams: 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.
VICE-PRINCIPAL—NORAH L. PENSTON, B.A., D.Phil. Oxon.
SECRETARY AND REGISTRAR—C. W. A. GARLAND, B.Sc., Dip.Ed.
LIBRARIAN—JOAN WILLIAMS, Dip.Lib.
DOMESTIC BURSAR—ELEANOR M. KNIGHT.

TEACHING STAFF

Agriculture

Cooper, M. McG., B.Agr. (Sc.) N.Z., B.Litt., Dip. Rur.Econ. Oxon. Prof. of Agric. (A.).
The Principal (R).
Davis, A. G., B.S.A. Tor., M.Sc. Wales.
Gibb, J. A. C., M.A. Camb., M.Sc. Durh.
Wylie, D., B.Sc. (Agric.) Reading.
Maddison, A E., B.A. Oxon., Dip. Ag. Sc. Camb.
Patterson, J. D. (Pt.-time).
Kersham, G. F. (Pt.-time).
Dunking, A. C., B.Sc. (Agric.) Reading (Pig. Husb. Res.).
Gregg, A. S., B.Sc. Reading (seconded from N.I.A.B.).

Biological Sciences

Vice-Principal
Actg. Hd. of Dept. (R.).
Harrison, R. M., B.Sc. (R.).
Schimmer, Frieda C , M.Sc. (R.).
Selman, I. W., B Sc., Ph.D.
Froud, M. D., B.Sc.
Holwill, P. J. A., B.Sc.
Gould, R. P., B.Sc.

Economics

Wyllie, J., B.Sc. Agric. Glas.
Hd. of Dept. (R.).
Butler, J. B., M.Sc., M.Com. Birm.
de Morpurgo, P. G. L., B.Sc. Reading.
Hooper, J. G., Dip. Agric.
Brewin, J. M., M.A. Agric. Camb.
Woollard, E. R., Dip. Hort.
Lord, R. F., B.Sc. Agric.
Halls, H. G.

Horticulture

Miles, H. W., M.Sc. Brist., Ph.D., D.Sc. Manc. Prof. (A.).
Bagenal, N. B., B.A. Camb. (R.).
Page, Mary, Dip. Hort. (R.).

(A.) = Appointed Teacher.
(R.) = Recognized Teacher of the Univ. of London.

Jackson, A. A., B.Sc. Manc.
Rake, Ann, B Sc (Hort.) Reading
Keep, Elizabeth, B.Sc. (Hort) Reading.
Brooke, Mary.

Physical Sciences

Wain, R. L , M Sc , Ph.D. Sheff., D.Sc., F R.I.C (Agric. Chem) Prof and Hd of Dept. (A.).
Smith, Margaret S., B Sc , Ph D. (PR)
Worrall, G A , B.A , B.Sc
Mills, C F , B.Sc Reading
Seeley, R. C., B Sc (Agric.)
Ingram, Jeanne, B Sc (Agric.) Edin
Osborne, D. J., M.Sc. May & Baker Res Fellow.
Fawcett, C. H., B Sc.

Research and Advisory Staff

Hops

Burgess, A. H., D Sc (Agric), Dip. Agric. Hd. of Dept.
Dark, S. O S , B.Sc., Ph.D
Thompson, F. C , B.Sc , M.Sc. (Agric Chem) Durh
Cripps, E G., B Sc. (Agric.), Dip. Agric
Tatchell, A R , B.Sc
Beard, F. H., Dip. Hort
Salmon, E. C Emeritus Prof of Mycol.

Special Research

Miles, Mary, M Sc Manc.

(A.) = Appointed Teacher.
(R.) = Recognized Teacher of the Univ. of London.
(PR.) = Probationary Recognition as a Teacher of the Univ. of London.

GENERAL INFORMATION

The College was founded in 1447 as a monastic foundation. It was created an agricultural College in 1894 under the Principalship of the late Sir A. D. Hall, F.R.S. It has been a School of the University of London since 1900 and is now the approved Department of Agriculture and Horticulture in the Univ.

Closely associated with the College is the South-Eastern sub-provincial headquarters of the N.A.A.S., the central offices and laboratories of which are located on the College Estate.

LIBRARY. 10,000 vols. LABORATORIES Chem., Physics, Bot., Zool., Pathol., Geol., Hortic., Hop Research.

The College has residential accomm. for men in the main Coll. buildings and a separate Hall of Residence for women. Courses are provided for the internal B.Sc. degree in Agric. and Hortic. of the Univ. of London and postgraduate students are also accepted for higher degrees. At the present time there are no Diploma or short courses. The College Estate extends to over 600 acres and comprises a mixed farm, orchards, glasshouses, market gardens and decorative gardens, all of which are used for teaching, demonstration and research purposes. The College Hop Research Department is the National Centre for Hop Research work and has its own laboratories and commercial and nursery hop gardens.

The internal B.Sc. degrees of the Univ. of London in Agric. and Hortic. equip men and women who intend to farm at home or abroad or require preparation for managerial, teaching or investigational posts in the industries of Agriculture and Horticulture or who intend to seek appointment in the National Agricultural Advisory Service or in the Colonial Services. The College Appointments Bureau gives assistance in placing qualified students in suitable employment.

FEES, inclusive of board, lodging and tuition, are, at the present time, £150 per annum.

THE YEAR 1948–49

BENEFACTIONS. Anon donations of £1000 to Quincentenary Appeal Fund. £50 from Messrs. Guinness and Co., Ltd. £200 legacy from the late S. D. F. Harwood to establish a Chem. prize. £10 from T. Hilling towards new gardens. 100 guineas for stained-glass window for the Coll. Chapel from J. W. Kennard. Further gifts from Baron Schroder, Kathleen Viscountess Falmouth and others.

NEW BUILDINGS. The second stage of the construction of the new women's Hall of Residence was completed by the end of the Session and the Hall will now accommodate 62 students The third and final stage of the bldg. is planned for completion in Oct. 1950. Temp. hutments have been purchased and equipped as Chem. Lab. extensions. A new exper. Dairy Bldg. and a Hop Res Lab have been completed and the Pig and Poultry Res Depts. are being re-equipped.

OTHER DEVELOPMENTS. His Grace the Archbp. of Canterbury kindly consented to become the Coll. Visitor. The Annual Commemoration was held on June 29, when Dr. R. G Hatton, Dr. Kate Barratt and Sir Edward Hardy were instituted Fellows of Wye Coll

EXTRA-MURAL WORK. All depts. have been extensively engaged, including broadcasting, lectures and advisory work

VISITING LECTURERS. Prof. L. Dudley Stamp, "The Planning of the Countryside." R. L. Wain (Inaugural lecture as Univ. Reader in Agric. Chem.), "The Chemist and Problems in Plant Protection." The Rt. Hon. the Earl Waldegrave, "The Ownership of Agricultural Land." F. A. Secrett, "The Practical Horticulturist and the Scientist" Norman C. Wright, "The Problems of Livestock Improvement in the Middle East." Prof. H. D. Kay, "Recent Developments in Lactational Physiology." Sir E. John Russell (Fellowship Lecture), "Agricultural Research in the 20th Century."

RESIGNATIONS. A. C. Owers, on appt. as Asst Dir. of Norfolk Agric. Stn.; N. L. Tinley, to own farm; E. J. Bullock, to Ford Motor Co.; D. A. Pantony, on appt. as Asst. Lectr. at Belfast Univ.; J. A. Chester, to practical farming; D. Wickham, to practical farming; Miss Eleanor Barker, on marriage.

STUDENTS Total: 176 full-time; the total includes 61 women and 5 postgraduates.

DEGREES. B.Sc. (Agric.), 27; B.Sc (Hort.), 23; M.Sc. (Hort.), 1.

THEOLOGICAL SCHOOLS OF THE UNIVERSITY

APPOINTED AND RECOGNIZED TEACHERS

In the following list the names of the Theological Schools are indicated by symbols thus :

NEW COLLEGE, LONDON (N.).
KING'S COLLEGE, THEOLOGICAL DEPT. (KT.).
RICHMOND COLLEGE (R.).
ST. JOHN'S HALL (J.).

Theology

*Cave, Rev. Prof. S., M.A. Camb , D.D. Glas. and Lond., B.A. (N).
Coggan, Rev. F. D., M.A. Camb., D D. Toronto (J.).
Higgins, Rev. A. J. B., Ph.D. Manc., M.A. Wales (N.).
*James, Rev. Prof. E. O., D.Litt. Oxon., D.D., Ph.D.
*McHardy, Prof. W. D., D.Phil. Oxon., M.A., B.D. Aberd., M.A. Edin. (Samuel Davidson Prof.).
Nuttall, Rev. G. F., M.A., D.D. Oxon. (N.).
Roberts, Rev. H., M.A. Wales, Ph D. Camb. (R.).
*Sellers, Rev. Prof. R. V., D.D. Camb., M.A. (KT.).
Simon, Rev. U. E., M.Th. (KT.).
*Tasker, Rev. Prof. R. V. G , M.A., B.D. Camb. (KT.).
*Waterhouse, Rev. Prof. E. S., D.D., D.Lit. (R.).

* Appointed Teacher.

GENERAL INFORMATION

†NEW COLLEGE, LONDON (Congregational), 527 Finchley Road, Hampstead, N.W.3. Principal—Rev. Prof. S. Cave, M.A., D.D. Secretary, 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. Students—38. Fees (for students not on the Foundation) : Sessional Composition Fee of the Univ., £45 ; or 9 gs. for each class.

†KING'S COLLEGE, THEOLOGICAL DEPARTMENT (Church of England), Strand, W.C.2. Dean—Rev. Canon E. S. Abbott, M.A. Secy.—Sir Thomas P. Creed, K.B.E., M.C., K.C., M.A. Oxon. Founded 1829 (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, £105 per session. Full-time students, 251 ; internal students of the Univ., 99 ; pt.-time students, 113. The Coll. grants the A.K.C. Dipl. in Theol.

†RICHMOND COLLEGE (Methodist), Richmond, Surrey. Principal—Rev. Prof. E. S. Waterhouse, D.D., D.Lit.

† Not in receipt of U.G.C. grants.

Opened 1843. Students are, normally, accepted candidates for Ministry of the Methodist Church, but other Univ. students may be admitted. Residential accommodation for 60. Students—56. *Fees*: £193 for residence and tuition.

†ST. JOHN'S HALL, formerly at HIGHBURY, N 5 (Church of England). Present Address: Ford Manor, Lingfield, Surrey. New buildings are to be erected at Northwood, Middx. Principal—Rev. F. D. Coggan, M.A., D.D. Hon. Secy. 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 London. *Fees*: Entrance, 2 gs.; board and tuition, £150. Residential accommodation for 47 students. Students—47.

† Not in receipt of U.G.C. grants.

UNDERGRADUATE MEDICAL AND DENTAL SCHOOLS

CHARING CROSS HOSPITAL MEDICAL SCHOOL

Founded 1834

62-65 Chandos Place, W.C.2.
Telephone: Temple Bar 0581-4.

CHAIRMAN—Rt. Hon. THE LORD INMAN, P.C., J.P.
DEAN—E C. WARNER, M D, B.S, B.Sc., F R.C P.
SECRETARY—WYNDHAM EDWARDS.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Clausen, R. J., M.C., M.B., B.S, D.A Lectr.
Ashworth, H. K., M.B., Ch B Manc., D.A. Lectr

Anatomy

Hamilton, W. J., D Sc Glas, M.B., B.Ch., B.A.O Belf, F.R.S. Ed. Prof
Harrison, R. J., D.Sc. Glas., M.A, M.B., B.Chir. Camb. Lectr.

Chemical Pathology

Patterson, J., M.Sc., Ph D St. And. Prof.

Clinical Pathology

King, D. P., M.A., M D., B.Chir Camb. Lectr.

Dermatology

Wigley, J. E. M., M.B., B.S. Melb., F.R.C.P. Lectr.

Diagnostic Radiology

Tierney, T. F., D.M.R.E. 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.
Dunlop, H. A, M.D., B S, M.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 Town, F R.C P Lectr.

Obstetrics and Gynæcology

Gray, A. O., M D. Durh., F.R C.S. Eng. and Ed, F.R.C O G. Lectr.
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

Brown, L. G., M.C., M.A., D.M. Oxon., F.R.C.S. Lectr.
Sharp, H. S., B.A., M.B., B.Chir. Camb., F.R.C.S. Lectr.

Pædiatrics

Bell, A. Doyne C., D.M., B Ch. Oxon. Lectr.

Pathology

Vines, H. W. C., M.A., M.D., B.Chir. Camb. Prof.

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.

Surgery

Lake, N. C., D.Sc., M.D., M.S., F.R.C.S. Lectr.

Marshall, C J., M D., M S, F.R.C.S. Lectr.

Broster, L. R., O.B.E., M.A, D.M., M Ch Oxon., 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.

GENERAL INFORMATION

The School was opened in 1834 and provides for all medical studies from the beginning of the Second M.B. to qualification, and includes depts. of anat., physiol, biochem., pharmacol., chem., clin. and gen. pathol The depts. of anat. and physiol. were re-opened 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, LIBRARY, ETC A notable feature of the School is the museum, in which is housed, in addition to an exhaustive collection illustrating general pathol. conditions, the famous Lockyer collection of obstetric and gynæcol. specimens. There is a large library.

FEES. There is an entrance fee of £10 : 10s., and an inclusive annual fee of £50. 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. Every student completing his course satisfactorily can be assured of election to one of the numerous house posts, in addition to which there are 20 Registrarships, a number of Demonstratorships and other posts available.

THE YEAR 1948–49

NEW BUILDINGS. Damage due to the war was repaired and extensions made. It is hoped soon to provide residential accomm. for students. Planning proceeded for the new Hospl. and School to be erected on the Northwick Park site at Harrow. It is proposed that the hospl. shall have 800 beds and the School receive annually 80 medical and 40 dental students. Additional accomm. near the School has been acquired and is about to be adapted. Considerably increased space will thus be available for teaching, res. and other work of the School.

RETIREMENT. Dr. A. A. W. Petrie (Psychiatry).

STUDENTS. 192 (including 13 postgraduates).

DEGREES OBTAINED. M.B., B.S., 12 ; M.D., 6.

GUY'S HOSPITAL MEDICAL SCHOOL

Founded 1724

St. Thomas's Street, Borough, London, S.E.1.
Telephone : Hop 3500.

CHAIRMAN—W. M. MOLLISON, C.B E., M.Ch

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.

SUB-DEAN (Dental School)—F. S. WARNER, F D.S.

SECRETARY—W F. COOK

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Marston, A D., F.F.A.R.C.S., F.R C S., L.D.S.
Harris, T. A. B., F.F.A.R.C.S., M.B., B S.
McConnell, W. S., F.F.A R.C S , M.B., B.S.
Rink, E H , B M , B.Ch , D.A.

Anatomy

Whillis, Prof. James, M.D., M.S. Durh.
Joseph, J., M.B , Ch.B.

Bacteriology

Knox, R., M.D. Prof.

Biochemistry

Haslewood, G. A. D., M.Sc., Ph.D. Prof.
Shore, Agnes, Ph.D., B.Sc.

Biology

Baxter, E. W., B.Sc.
Foxon, G. E. H., M.A. Camb., M.Sc. Wales.

Chemical Pathology

Thompson, R. H. S., D.M. Oxon. Prof.

Chemistry

Gent, W. L. G., B.Sc., Ph.D. Reader.
Brain, F. H., M.A., Ph.D., B.Sc.

Children's Diseases

Evans, P. R., M.D. Manc.
MacKeith, R. C , M.A., D.M.

Dental Histology

Pritchard, G. B., F.D.S.

Dental Medicine

Rushton, M. A., M.A., M.D. Camb., F.D.S. Prof.

Dental Prosthetics

Fenn, H. R. B., F.D.S., D.D.S. Prof.

Dental Surgery

Bulleid, A., F.D.S.
Herbert, W. E., F.D.S. Prof.
Hooper, K., F.D.S.
Kenshole, H. H., D.S.O., F D.S.
Mansie, J. W., F.D.S.
Pringle, K. E., L.D.S.
Rix, R. E., F.D.S.
Warner, F. S., F.D.S.

Dermatology

Barber, H. W., F.R.C.P.
Forman, L., M.D.

Forensic Medicine

Simpson, C. K., M.D.

Medicine

Baker, C. G., O.B.E., M.D.
Bishop, P. M. F., D.M.

Boland, E. R., C.B.E., F.R.C.P.
Campbell, J. M. H., O.B.E., D.M. Oxon.
Conybeare, Sir John, K.B.E., M.C., D.M. Oxon.
Douthwaite, A. H., M.D.
Hampson, A C., M C., M.D. Camb.
Hardwick, C., M D Camb
Kauntze, R., M.D.
Mann, W. N., M.D , F.R.C P.
Symonds, Sir Charles, K.B.E., C B , M D Oxon.

Mental Diseases

Munro, T. A , M D.

Obstetrics and Gynæcology

Blaikley, J. B., F.R C S., F.R C.O G.
Cook, F., F.R.C S., F.R.C.O.G.
Gibberd, G. F., M.S.
Lewis, T. L T., F.R.C.S.
McNair, A. J., F.R C.S.

Ophthalmology

Law, F. W., M D. Camb., F.R.C.S
Morgan, O. G , M.Chir. Camb.

Orthopædics

Batchelor, J. S , F.R C S.
Stamm, T. T., M B , B 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.

De Navasquez, S. J., M.D.
Gorer, P. A. I , D.Sc.
Knott, F. A., M.D., F.R.C.P.

Pharmacology

Robson, J. M., F.R.S.Ed., D Sc. M.D. Leeds Prof.

Physical Medicine

Crisp, E. J., M.D. Camb.

Physics

Allsopp, C. B., M A., Ph D.
Stead, Gilbert, D.Sc , M A. Camb. Prof.

Physiology

Spurrell, W. R., M.S , F.R.C S. Prof.
Bishop, P. M. F., D.M. Oxon.

Radiology

Hills, T. H., M.B., B.S., D.M.R E.

Surgery

Atkins, H J. B., M.Ch. Oxon.
Blackburn, Guy, O.B.E., M.Ch. Oxon.
Brock, R. C., M.S.
Doherty, W. D., M Chir. Camb.
Eckhoff, N. L., M.S.
Kilpatrick, F. R., M.S.
Lawrie, R. S., M.D., F R.C S.
Massie, Grant, C.B.E , M.S.
Ogilvie, Sir Heneage, K.B.E., M.Ch. Oxon.
Slesinger, E. G., O.B.E., M.S.
Wass, S. H., M.S.

Venereal Diseases

Lloyd, V. E., M.C., M.B., B.S.

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. 19,000 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.

RESIDENCE. Accomm. is provided for approx. 75 senior students.

FEES. Entrance, 15 guineas; annual composition fee, £55 : 5s., inclusive of materials.

SCHOLARSHIPS. One Entrance in Arts, one Entrance in Jr. Science and one confined Jr. Science, each of the value of £100. War Memorial Scholp., alternately in Arts and Science, £200, awarded alternate years (next award, June 1951, in Arts) Confined Epsom Scholp entitling the holder to free medical education for 5½ years. A Univ. Scholp. entitling the holder to free medical education for 3 years, and an Exhibition of £60.

DENTAL SCHOOL. Est. 1888, it is fully equipped on the most modern lines and provides for the teaching of the entire curriculum for any Dental Degree or Dipl. Dental students benefit by the intimate association with the Med. School. *Fees*: 1st-yr. course for B.D.S., £55 : 5s.; Subsequently Annual Composition Fee, £75 . 5s. *Scholarships*: 1 War Memorial Entrance Scholp. in Arts of £70 p.a. for 4 yrs.; 1 Entrance in Jr. Sci. of the same value; 1 confined Jr. Sci. Scholp. of the value of £100; Jubilee Scholp. in Sci. of £70 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. for 4 yrs. Annual and other Studentships, Prizes and Medals.

THE YEAR 1948–49

MEDICAL SCHOOL

NEW POST Institution of Chair of Bacteriol.

OTHER DEVELOPMENTS. Extensions to Animal House, Bacteriol. Dept., Biol. Dept.

RETIREMENT. Prof. C. S. Gibson, Hd. of the Chem. Dept., after 29 yrs.' service.

STUDENTS. Total: 820; full-time: 628; pt.-time: 192.

DEGREES, ETC., OBTAINED. M.B., B.S. Lond., 57; M.B., B.Chir. Camb., 5; B.M., B.Ch. Oxon., 2; M.S. Lond., 2; M.D. Lond., 6; D.M. Oxon, 2; Ph.D., 5; Dipls., 63.

DENTAL SCHOOL

DEVELOPMENT. Extension to Conservation Room.

STUDENTS. Total: 423; full-time: 386; pt.-time: 37.

DEGREES, ETC. B.D.S., 14; F.D.S., 1; M.Sc., 1; Diplomas, 40.

KING'S COLLEGE HOSPITAL MEDICAL SCHOOL

Founded 1830

Denmark Hill, S.E.5.
Telephone : Brixton 1731, 5739.

DEAN—HAROLD C. EDWARDS, C.B.E., M.S., F.R.C.S.

VICE-DEAN—V. F. HALL, F.F.A.R C.S.

SUB-DEAN OF THE DENTAL SCHOOL—RALPH COCKER, M.B., Ch.B., F.D.S R.C S

SECRETARY—W F. GUNN, LL B., F C.I S.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Hall, V. F., F F A.R C S.

Dental Surgery

Cocker, R., M B., Ch.B. Manc., F.D.S.R.C S.
Collyer, W. F , F.D.S.R C S
James, J , F D S R C S
King, J. J. D., Ph.D., F.D.S.R.C.S.
Liddelow, K. P , F.D S.R.C S.
Marsh, L R., F.D S R C S.
Moore, A. S
Wade, W. N. L.

Dermatology

Thomson, S , M A , M D. Camb., F.R C.P , F.R S Ed

Diseases of Children

Sheldon, W. P. H., M.D., F.R.C.P.

Medicine

Critchley, M , M.D. Brist., F.R.C.P.
East, C. F. T., M.A , D M Oxon., F.R.C P
Gilpin, A., M.D., F R.C.P.
Hoyle, J. C., M.D., F R C.P.
Lawrence, R. D., M.D. Aberd , F R.C.P.
Livingstone, J. L., M.D., 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.
Pearson, R S B., D M. Oxon., F.R C.P

Mental Diseases

Hill, D., M.B , B S , F.R C P., D P M.

Obstetrics and Gynæcology

Clayton, S. G., M.D., M.S , F.R.C.S.
Gilliatt, Sir W , K C.V.O., M D., M.S , F R.C P , F.R.C S , F R C.O.G.
Palmer, A. C., O.B.E , M.B., B.S., F.R.C S , F.R.C O.G.
Peel, J. H., M.A , , B.M. Oxon., F R C S., F.R.C.O.G.

Ophthalmology

Lyle, T. K , C.B E , M A , M D , M.Chir Camb , F R.C S
Savin, L. H., M.D., M.S., F.R C.S.

Oto-Rhino-Laryngology

Cawthorne, T., F.R.C.S.
Daggett, W. I., M B., B.Chir. Camb , F.R.C.S.
Negus, V. E., M S., F.R.C.S

Pathology and Bacteriology

Cunliffe, A. C., M A., M.D. Camb.
Gray, C. H., Prof., M.Sc., M.B., B.S., F.R.I.C.

Magnus, H. A., Prof., M.D.

Radiology

Shawcross, E. W. H., M.A. Camb., D.M.R E.

Surgery

Bell, J. G. Y., M.B., B.S., F.R.C.S.
Buxton, N. St. J. G. D., M.B., B.S., F.R.C S.
Edwards, H. C., C.B.E., M.S., F.R.C S.
Everidge, J., O.B.E., F.R C S.
Heriot, A. J., M.S., F.R.C.S.
Hunter, J. B., C.B.E., M.C., M.A., M.Chir. Camb., F.R.C.S.
Kendall, A. W., M.S., F.R.C.S.
Muir, E. G., M.S., F.R.C.S.
Wakeley, Sir C. P. G., K.B.E., C.B., D.Sc., F.R.C.S.
Wood, H. L. C., M.S., F.R.C.S.

Venereal Diseases

Williams, D. I., M.B , B.S.

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 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.

SCHOLARSHIPS. Scholps. to the value of £2000 are available for award annually. 25 Resident Hospl. 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.

THE YEAR 1948–49

NEW BUILDINGS. The accomm. in the School Library has been increased by the installation in the hitherto untenanted balcony of shelves for an additional 3000 books and extra study tables for students have been provided. A jr. asst. to the Librarian has been appointed. The new bldgs. to house the Med. Res. Council's Dental Res. Unit have been completed.

NEW POSTS. Univ. Readership in Bacteriol. 3 new Demonstratorships in Pathol. 3 new Lectureships in the Dental School.

OTHER DEVELOPMENTS. The constitution of the Med. School as a separate entity upon the introduction of the National Health Service Act in July 5, 1948, brought into being an important new cttee., the Academic Board, which has provided a valuable forum for discussion of the teaching, as distinct from the clinical aspects, of med. During the session this cttee. revised the School's curriculum for med. students in the light of the recent recommendations of the General Med. Council in their report on The Med. Curriculum, and of the British Med. Assoc. in their report entitled " The Training of a Doctor." The revised curriculum was put into effect on Jan. 1, 1950.

In July 1949 Sir Cecil Wakeley, Director of Surgical Studies, was elected Pres. of the Royal Coll. of Surgeons and with Sir William Gilliatt already Pres. of the Royal Coll. of Obstetricians & Gynæcologists the Med. School had the distinction of providing Presidents simultaneously for 2 of the 3 Royal Colls.

DEGREES. M.B , B S., 28 (1 with Hons.) ; B.M., B.Ch. (Oxon.), 1 ; M.B. B.Ch. (Camb.), 4 ; M.D., 6 ; D.M. (Oxon.), 1 ; M.S. (Lond.), 2 ; B.D.S., 7 (2 with Hons.).

LONDON HOSPITAL MEDICAL COLLEGE

Founded 1781

Turner Street, E.1.
Telephone: Bishopsgate 2456, 9936-7.

CHAIRMAN—Col. W M PRYOR, D S.O.
DEAN—A. E CLARK-KENNEDY, M.D., F.R.C.P.
TREASURER—Sir JOHN MANN, Bart.
SECRETARY—H. P. LAIRD, B.A.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics
Challis, J H T., F F A R C S

Anatomy
Boyd, J. D., M D., D Sc , B A.O Prof

Bacteriology
Bedson, S. P., M A , D.Sc Belf , F R C.P , F.R S. Prof

Biochemistry
Fawns, H. T , M.Sc , F R I.C.

Chemical Pathology
Marrack, J R , D S.O., M.C., M.D. Prof
Morris, C. J. O. R., Ph D , M.Sc., F R.I C.

Chemotherapy
Valentine, F. C. O. Reader.

Dental Surgery
Allen, A. G., F.D S R C S.
Allen, S. G , F.D S.R.C.S.
Chapman, H., 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.
Keizer, W. R., F.D.S.R.C.S.
Miles, A. E. W., F.D S.R.C.S. Prof.

Dermatology
O'Donovan, W. J., O.B.E., M.D.

Diseases of Children
Dobbs, R. H., M.D Camb., F.R C P
Tallerman, K. H , M C., M.D. Camb.

Forensic Medicine
Camps, F. E., M.D.

Histology
Bourne, G , D Sc West Aust , D Phil. Oxon

Medicine
Bomford, R. R., D.M. Oxon , F R.C.P
Brain, W R , D M. Oxon , 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.
Hunter, D., M.D., F.R.C P.
Perry, K. M. A., M.D , M.Chir. Camb.
Rowlands, Sir Alun, K.B E., M D., LL.D., F.R.C.P., D.Litt.
Rusby, N. L., D.M. Oxon.
Wilson, C., M.A., D.M. Oxon 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. Prof.

Morbid Histology

Woods, W. W.

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.A., M.D. Camb.

Pharmacology

Weatherall, M , M.A., B.Sc., B.M., B Ch.

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.

Radiology

Ellis, F., M.D. Sheff., M.Sc., F.F.R , D.M R
Jupe, M. H , F R.C S , F F.R., D M.R.E.

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.
Heanley, C. L., M.B , B.Chir. Camb., F.R C S.
Neligan, G. E., M.C , F.R.C.S
Moore, A. M. A , F.R.C.S.
Northfield, D W. C., M.S., F.R C.S.
Perry, A. C., M S , F.R.C.S.
Taylor, Hermon, M.D. Camb., M Ch., F.R C.S.
Thompson, V. C , M B., B.S., F.R.C S.

Venereal Diseases

King, A. J., M.B., B.S., F.R.C.S.

GENERAL INFORMATION

There are 60 Appointed and Recognized Teachers (v. *supra*). The Hospl. and Annexe at Brentwood provide 1011 beds.

LIBRARY AND MUSEUM. The Library includes Thomson Yates Research Library, containing chief foreign periodicals for Anat., Physiol. and Pathol. New additions to recently renovated Museum include a section on Forensic Medicine.

LABORATORIES. These include those of Bernhard Baron Institute of Pathol. for Advanced Research. Facilities for Research also in Anat., Bacteriol., Physiol. and Pharmacol. Depts. and in Clin. Labs.

FEES. Medical: Entrance, £10 : 10s.; Annual, £48. Dental: Entrance, £10 : 10s.; Annual, £54.

SCHOLARSHIPS. There are 39 scholps. and prizes. 207 appts. available for students.

RESIDENCE. There is a Hostel for 98 students.

PUBLICATION. (Students) *L.H. Gazette.*

THE YEAR 1948–49

NEW POSTS. Chair of Dental Pathol. Senior Lectureship in Pharmacology.

RETIREMENT. Dr. W. W. Woods, Asst. Dir. of the Bernhard Baron Inst. of Pathol.

RESIGNATION. Dr. W. H. Harper, Reader in Anatomy.

STUDENTS. Medical: 422 men; 24 women. Dental: 83 men; 1 woman

DEGREES. M.B, 30; M.B. Camb, 9; B M. Oxon., 1; B.D.S., 1.

MIDDLESEX HOSPITAL MEDICAL SCHOOL

Founded 1835

Mortimer St., London, W.1.
Telephone: Museum 8333.

CHAIRMAN—Col Hon. J. J. ASTOR, D.Lit.
DEAN—Sir HAROLD BOLDERO, M A, D.M., F.R.C P.
SECRETARY—EILEEN M WALTON.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics
Idris, A. E. W., D.A.
Johnson, B. R. M., D.A.

Anatomy
Walls, E. W., B.Sc., M.B., Ch.B., M.D. Glas. Prof

Bacteriology
Selbie, F. R, M A, M.D. Aberd., D Sc, Ph D Prof

Biochemistry
Dickens, F, M A. Camb., D.Sc., Ph.D, D.I.C., F.R.I.C., F.R.S. Prof.
Dodds, E. C, M.V.O., D.Sc., Ph.D., M.D., B.S., F.R.C.P., F.R.I.C., F.R.S. Prof.
Kellie, A. E., Ph.D.
Lawson, W., M.Sc Liv., F.R.I.C. Reader
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.
Holt, S. J., B.Sc., Ph.D.

Dental Surgery
Breese, H. W., F.D.S.
Packham, A. L., 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.

Medicine
Beaumont, G. E., M.A, D.M. Oxon, F.R.C.P., D.P.H.
Bedford, D. E., M.D., B.S., F.R.C.P.
Boldero, Sir Harold, M A., D.M. Oxon., 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.
Kremer, M., M.D., B.Sc., F.R.C.P.
McAlpine, D., M D, Ch.B. Glas., F.R.C P.
Marriott, H. L., C.B.E., M.D., F.R.C.P.
Ward, G. E. S., M.D., B.S., F.R.C.P.
Willcox, A., M.A., M.D., B.Chir. Camb., F.R.C.P.

Mental Diseases
Harris, N. G., M.D., B.S., F.R.C.P., D.P.M.
Hobson, J. A., B Sc., M D., D.P.M.

Obstetrics and Gynæcology
Jackson, I. M., B.A., M.B., B.Chir. Camb., F.R.C.S.
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.

Ophthalmology

Goldsmith, A. J. B., M.B., B.S., F.R.C.S.

Whiting, M. H., O B.E., M.A., M.B., B Chir Camb., F.R.C.S.

Orthopædics

Newman, P. H , D.S.O., M.C., F.R.C.S.

Wiles, P., M B., M S., F.R.C.S.

Oto-Rhino-Laryngology

Monkhouse, J P., M.B., B.S., F.R.C S

Wilson, C. P., C.V.O., 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. Reader.

Physics

Roberts, J. E., D.Sc., F.I.P. Prof.

Physiology

..... Reader.

Wright, S., M.D., F.R.C.P. Prof.

Radiology

Hodgson, Sir H. G , K C.V O., M.B., B.S. Durh , F.R.C P , D.M.R E. Camb.

Windeyer, B W., M B., B.S. Syd., F.R.C.S., F F.R., D.M.R.E. Prof.

Surgery

Ascroft, P. B., M.B., M S., F.R C S. Prof.

Handley, R. S , O B E., M.A , M.B., B.Chir. Camb., F.R.C.S.

Hudson, R. V., F.R.C.S.

Murray, C. J. B , M.S., F.R.C S

Patey, D. H., M.B , M.S , F R.C.S

Riches, E. W , M C., M.B., M.S., F.R.C.S.

Tropical Medicine

Chesterman, C. C , O.B.E., M.D., D.T.M. & H.

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. ; the Barnato-Joel Research Labs. (Physics) ; the S. A. Courtauld Institute of Biochem. ; the Ferens Institute of Otology ; and the Meyerstein Institute of Radiotherapy. Professorial medical and surgical units have been installed since the war.

LIBRARY. The Library is open to all students of the School and contains the latest medical text-books and the leading medical journals.

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 4 Entrance Scholps. to the value of £100 each ; one in Arts, one in Science and two 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.

THE YEAR 1948–49

RETIREMENT. Prof. J. Kirk from the Courtauld Chair of Anat.

DEATH. W. Turner Warwick, Sr. Surgeon to the Hosp.

STUDENTS. Total: 535; full-time, including 32 women: 450; pt.-time: 85.

DEGREES. M.B., B.S., 31; M.B., B.Chir., 28; B.M., B.Ch., 5; M.D., 5; Ph.D., 1; B.Sc., 2; D.Sc., 1; D.M. (Oxon.), 1.

ROYAL DENTAL HOSPITAL OF LONDON, SCHOOL OF DENTAL SURGERY

Founded 1858

32 Leicester Square, W.C.2.
Telephone : Whitehall 6427-8.

CHAIRMAN OF THE COUNCIL—A L PACKHAM, F D.S
DEAN—H. L. HARDWICK, F.D.S.
SECRETARY—K. R. McK. BIGGS, B.A.

APPOINTED AND RECOGNIZED TEACHERS

Anaesthetics
Karn, R. G., M.C.

Dental Anatomy and Dental Surgery
Hovell, J. H., F.D.S.

Dental Metallurgy
.....

Dental Surgery
Ainsworth, N. J , M C., F D.S.
Fickling, B. W., F.R.C.S., F.D.S.
Graham, M. P., F.D.S.
Greenish, V. A. F., F.D.S.
Hardwick, H. L., F.D S.
Henry, C B., F.D.S.
MacGregor, A. B , M A., M.D., B Chir. Camb., F.D.S
Packham, A. L., F.D.S.
Walker, D. G., M A. Dub., M.B , B Ch , B.A.O Dub ,M Dent.Sc. Dub., F.D.S R.C S

Dental Surgery and Pathology
Chair vacant.

Pathology
Lucas, R. B., M.D , Ch.B., D P H. Edin. Reader.

Radiology
Blackman, S., D M.R.E. Camb

GENERAL INFORMATION

A School of the Univ. since 1911. Governed by a Council which includes representatives of the Univ., the Royal Dental Hospl. and the School teaching staff. For admission to the School students must have satisfactory qualifications in general education and pass or gain exemption from the 1st M.B. or the Pre-Medical examn.

FEES. For four years' instruction at the School for the B.D.S. Degree or L.D.S. Diploma, £213 : 10s. (payable in annual instalments), exclusive of Club subscriptions and fees for intercollegiate courses.

THE YEAR 1948–49

NEW BUILDINGS. Further consideration given to the question of rebuilding the Hospl. and School on a new site in close association with St. George's Hosp. Med. School. Replanning scheme approved to make more extensive use of present bldg., to include new Dept. of Pathol. and Res., new

lab. for Advanced Operative Dental Technique, enlarged Dept. of Clin. Photography and Visual Educn., additional bench space in Mechanical Lab., additional class room, new refectory and new students' common rooms.

NEW DEPARTMENTS AND POSTS. Establishment of Dept of Pathol. in association with the Dept. of Pathol. at St. George's Hosp. Med. School and under hon. Directorship of Prof T. Crawford. Appt. of additional Instr. in Operative Dental Surgery. Appt. approved of new teaching post in Children's Conservation.

OTHER DEVELOPMENTS. Project approved and work started for complete reconstitution of School Library to form a memorial to the late Prof. H. Stobie, for 28 yrs. Dean of the School (1920–48).

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITY. Leave given to J. P. Louth (Prosthetics Dept.) to undertake postgrad. course at Northwestern University, Chicago.

RETIREMENT. Miss H. M. Duncan retired from post of School Sec. after 33 yrs.' service to the School and Hospl.

STUDENTS. Full-time : 192 (including 30 women) ; pt.-time : 14 (including 1 woman).

DEGREES, ETC. B.D.S., 3 ; L.D.S., 18.

ROYAL FREE HOSPITAL SCHOOL OF MEDICINE

Founded 1874

8 Hunter Street, Brunswick Square, London, W.C.1.
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—MALCOLM J. HENDERSON.
HON. TREASURER—DONALD F. ANDERSON, M.A. Oxon
WARDEN AND SECRETARY—JOAN I. BEALE, B.A.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Lloyd-Williams, Katharine G., M D., F.F A R.C.S
Rowbotham, E. S., M D. Durh.

Anatomy

Bowden, Ruth E. M , M.B., B.S
Dickson, Lilian M., M.B., Ch.B. Glas.
Lucas Keene, Mrs. Mary F., D.Sc., M.B., B.S. Prof.

Biology

Lucas, Catherine L. T., M.Sc.

Chemistry, Inorganic

Sanderson, Phyllis M., B Sc., Ph D., D I.C.

Chemistry, Organic

Lawson, A., Ph.D. Glas.

Dermatology

Brain, R. T., M.D., B.S., F.R.C.P.

Gynæcology

Dearnley, Gertrude, M.D., B.S., F.R.C.O.G.

Laryngology and Otology

Scott-Brown, W. G., C.V.O., M.A., B.Chir. Camb., F.R.C.S., F.R.C.S.Ed.

Medicine

Baker, Doris M., M.D., B.S.
Davies, D. T., C.V.O., B.Sc., M.D., B.Ch. Wales, F.R C P
Fletcher, E. T. D., M.A., M.D Camb.
Gardner, Frances V , M D., F.R.C.P.
Hancock, P. E. T., M.B., B Chir. Camb., F R.C.P
Hoskin, T. J., M.A., M.D., B.Chir. Camb.
Ledingham, Una C., M.D., B.S., F R C.P.
Lee Lander, F. P., M.D., B.S.
Macpherson, Alice M. C., M.D., B.S., F.R.C.P

Mental Diseases

Nicol, W. D., M.B., B.S., F.R.C.P., D P.M.

Obstetrics and Gynæcology

Hill, Gladys, M.A., M.D., F.R C.S., F.R.C.O.G.
Moore, Jocelyn A. M , M.B , B.S , 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.

Oto-Rhino-Laryngology

Collier, Dorothy J., B.M., B.Ch. Oxon.

McLaggan, J. D., M.A., M.D., B.Ch. Aberd., F.R.C.S, F.R.C.S Ed.

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, Chemical

Williams, Mrs Emma C, M A. Camb., M.B, B.S.

Pathology, Morbid Anatomy

Louis, Florence, M D.

Pharmacology

Scarborough, Eleanor M., M Sc, M.B., B S Reader.

Physics

Leyshon, Winifred A, B.Sc., Ph.D.

Physiology

Bond, Muriel, M.Sc.
Killick, Esther M., M.B., Ch.B., M.Sc. Leeds Prof.

Radiology

Staveley, Dulcie C., M.B., B.S.

Surgery

Barry, Geraldine M, M B, M.S., F.R.C.S.
Gray, C. H., M B., Ch B. Manc., F.R C S.
Landau, Muriel E, M D., B S., F.R.C.S.
Maingot, R. H, F R.C S.
Mocatta, Sybil G., M D., F R.C S.
Qvist, G., M B., B S., F R.C S.
Shattock, C. E., M.D., M.S., F.R C S.

Venereal Diseases

Shaw, Mrs. Mary M., M.B., B.S.

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 were allowed for the admission of men students and for the changing of the name of the School to Royal Free Hospl. School of Medicine.

Students are admitted to the School in Oct. only each year, and application should be made on the prescribed form at least a year before admission is desired. Students are not admitted under the age of 17, and must have passed or gained exemption from the London Matriculation Examn. A small number of students may be admitted for clinical studies only.

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 now comprises the Royal Free, the Elizabeth Garrett Anderson, the Hampstead General, the Hampstead Children's and the North Western Fever Hospls., giving approx. 1000 beds for clin. teaching.

FEES. The annual fee is £50. An entrance fee of £5 is payable by all students accepting a place for pre-clin. studies, and of £25 by all students entering the School for the clin. course only. A registration fee of £5 is payable by all students when they begin the second medical course.

SCHOLARSHIPS. Scholps., bursaries and prizes to a total value of £2000 are offered annually. An open Postgraduate Medical Scholp. is offered to those working in India.

LIBRARY. The books in the School and Hospl. libraries number about 6000, and small reference libraries are maintained in the Depts.

THE YEAR 1948–49

BENEFACTIONS. Bequest of £1000 from the Executors and Trustees of the late Miss Florence Hughes to found a Scholp. for a woman student of the School, tenable for 3 yrs. Gift of £200 from Mrs. R. Keogh, under the will of her late sister, to help women students unable to pay all their fees.

NEW BUILDINGS. Work on the new wing is proceeding rapidly and it is hoped that it will be ready for occupation early in the session 1950–51. It will provide increased accomm. for teaching and res. labs., lecture theatres, common rooms for students and technical staff, and an additional Animal House.

RESIGNATIONS AND RETIREMENTS. Nancie Moller, Warden and Sec.; J. Mills, Lectr. in Chem.; Margaret E. J. Carr, Lectr. in Physics.

STUDENTS. Total: 473; full-time: 469 (6 men); pt.-time: 4 (2 men).

DEGREES. M.D., 5; M.B., B.S., 39.

ST. BARTHOLOMEW'S HOSPITAL MEDICAL COLLEGE

Founded 1662

West Smithfield, E.C.1.
Telephone: Monarch 7777.

VICE-PRESIDENT—J. BASIL HUME, M.S., F.R.C.S.

DEAN—CHARLES F. HARRIS, M.D., F.R.C.P.

CLINICAL SUB-DEAN—J W ALDREN TURNER, D.M. Oxon., B.Ch., F.R.C.P.

PRE-CLINICAL SUB-DEAN—J. G. JAMIESON, O.B.E , M.B., B.S.

SECRETARY—C. E. MORRIS.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Evans, F. T., M.B., B.S , D.A.
Hewer, C. L., M.B., B.S., D.A.

Anatomy

Cave, A. J. E., M.D., D Sc. Manc., F.L.S., F.R.A.I. Prof.

Bacteriology

Garrod, L. P., M.D., B.Chir. Camb., F R C P. Prof.

Biochemistry

Reeves, H G., D.Sc., Ph.D., F.R.I.C.
Wormall, A., D.Sc. Leeds, F.R.I.C. Prof.

Chemical Pathology

Harrison, G. A., M.D. Camb., F.R.I.C. Reader.

Chemistry

Town, B. G., Ph.D., F.R.I.C.

Children's Diseases

Franklin, A. W., M.B. Camb., F.R.C.P.
Harris, C. F., M.D., 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., F.R.C.P., D.Sc. Prof.
Cullinan, E. R., M.D., F.R.C.P.
Gibb, W. E., D.M. Oxon.
Hayward, G. W., M.D., B.S., F.R.C.P. Reader.
Oswald, N. C., M.D. Camb., F.R.C.P.
Scott, R. B., 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.

Shaw, W., M.D , B Chir. Camb , F.R.C.S., F.R.C.O.G.

Ophthalmology

Stallard, H B., M.B.E., M D., B.Chir. Camb., F.R.C.S.

Orthopædics

Burrows, H. J., M.D., B.Chir Camb., F R.C.S., F.R A.C.S.
Higgs, S L., M.B., B.Chir. Camb., F.R.C S.

Oto-Rhino-Laryngology

Capps, F. C W., F.R.C.S
Hogg, J C., B.Chir. Camb., F.R.C S.
Jory, N. A., F R C S.

Pathology

Blacklock, J. W. S , M B , Ch B , M D. Glas , F.R F.P.S. Glas. Prof.

Pharmacology

Buttle, G. A H , M A Camb Prof

Physics

Banks, T. E., Ph D. Birm . F I.P.
Rotblat, J., D Sc. Warsaw Prof.

Physiology

Franklin, K. J., D.M., B.Ch. Oxon., F.R.C.P. Prof

Psychiatry

Strauss, E. B., M.A., D.M Oxon., F.R.C P.

Radiology

Harper, R A. K., M.B., F.R.F.P.S. Glas , D.R.
Williams, I. G., M B , F R.C.S., F.F.R , D M R E.

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, A H , C.B.E , M.S., F.R.C.S.
Nash, D. F. E , 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.S. Oxon., F.R.C.S

Zoology and Comp. Anat.

Marshall, A. J., D.Phil. Oxon Reader.

GENERAL INFORMATION

St. Bartholomew's Hospl. was founded by the monk Rahere in 1123, 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.

FEES. The entrance fee to the Coll. is £15 : 15s. with an annual tuition fee of £52 : 10s.

SCHOLARSHIPS. There is a total annual 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.

THE YEAR 1948–49

BUILDINGS. Plans for rebuilding the pre-clinical school are well advanced, and it is hoped that within the forthcoming year the first of the new Coll. bldgs. will be commenced. The new bldg. will contain, among other amenities, accomm. for 100 residential students

RETIREMENT. Prof. F. L. Hopwood (Physics).

STUDENTS. Full-time: 827 (including 83 women).

DEGREES. M B., B S., 49; M.B, B.Chir. Camb., 24; B.M., B.Ch. Oxon., 4.

ST. GEORGE'S HOSPITAL MEDICAL SCHOOL

Founded 1752

Hyde Park Corner, S.W.1.
Telephone: Sloane 1716.

CHAIRMAN OF THE MEDICAL SCHOOL COUNCIL—Sir MALCOLM TRUSTRAM EVE, Bart., G.B.E., M.C., K.C.

DEAN—M. F. NICHOLLS, C.B.E., M.A., M.Chir. Camb., F.R.C.S.

SECRETARY—S. A. WILLIAMSON.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Edwards, G., D.A.
Johnson, E. F., M.B., B.S., D.A.

Bacteriology

Elek, S. D., Ph.D., M.D., D.C.P., D.P.H. Reader

Chemical Pathology

Martin, N. H., B.Sc. Durh., M.A., B.M., B.Ch. Oxon., F.R.I.C. Reader

Dermatology

Gordon, H. W., M.C., B.A., M.B., B.Chir. Camb., F.R.C.P.

Forensic Medicine

Teare, R. D., M.B., B.Chir. Camb.

Medicine

Dow, J. F., B.A., M.B., B.Chir. Camb., F.R.C.P.
Feiling, A., B.A., M.D. Camb., F.R.C.P.
Gainsborough, H., M.A., M.D. Camb., F.R.C.P.
Hunter, M. I. A., M.D. Camb., F.R.C.P.
Levick, C. B., M.B., Ch.B. Syd., F.R.C.P.
Robson, K., M.A., M.D. Camb., F.R.C.P.
Williams, D. J., D.Sc., M.D. Manc., F.R.C.P.

Mental Diseases (Psychiatry)

Curran, D., M.B., B.Chir. Camb., F.R.C.P., D.P.M.
Mallinson, Sir Paul, M.A., B.M., B.Ch. Oxon.
Miller, E., M.A. Camb., F.R.C.P., D.P.M.

Obstetrics and Gynæcology

Charles, A. H., M.A., M.B., B.Chir. Camb., F.R.C.S.
Gwillim, C. M., M.D. (Obs. and Gynæ.), M.D. (Medicine), F.R.C.P., F.R.C.S., F.R.C.O.G., D.P.H.
Kirwan-Taylor, H. G., M.A., M.B., B.Chir. Camb., F.R.C.S.

Ophthalmology

Bridgeman, The Hon. G. J. O., M.B., B.Chir. Camb., F.R.C.S.
Duke-Elder, Sir Stewart, K.C.V.O., D.Sc., M.D. St. And., F.R.C.S., Ph.D.

Orthopædics

Young, R. H., M.B., B.Chir. Camb., F.R.C.S.

Oto-Rhino-Laryngology

Jory, P. J., D.S.O., M.B., Ch.B. N.Z., F.R.C.S.
Peacock, J. R., M.B., B.Chir. Camb., F.R.C.S.

Pædiatrics
Pinckney, C. P., M.A., M.B., B.Chir. Camb., F.R.C.P.

Pathology
Chalmers, J. N. M., M.D. Glas., D.P.H.
Crawford, T., B.Sc., M.D. Glas., F.R.F.P.S. Prof.

Physical Medicine
Shields, D. C., B.M., B.Ch. Oxon.

Surgery
Anderson, H F., M.B., B Chir Camb., F.R.C.S.
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.

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. The Museum contains a large number of pathological specimens.

FEES. The annual composition fee of £57 : 15s. 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.

THE YEAR 1948–49

NEW BUILDINGS. Progress was made in re-equipping the labs. for both teaching and research.

STUDENTS. Total : 134.

DEGREES. M.B., B.S., 11 ; M.B., B.Chir. Camb., 5 ; B.M., B.Ch. Oxon., 2; M.D., 3 ; Ph.D., 1 ; M.Chir. Camb., 1.

ST. MARY'S HOSPITAL MEDICAL SCHOOL

Founded 1854

Paddington, W.2.
Telephone : Paddington 3612.

PRESIDENT—LORD FORRESTER OF CORSTORPHINE, M.A., F.I.I.A.

DEAN—D. H. BRINTON, D M. Oxon., F.R C.P.

DEPUTY DEAN—Prof. W. D. NEWCOMB, M.A., M D , B Chir Camb., F.R.C.P.

SECRETARY—J. E. STEVENSON, LL.B.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Morris, L. H., B.A.

Anatomy

Goldby, F., M.A., M.D. Camb. Prof.

Pritchard, J. J., B.M., B.Ch. Oxon , B.Sc. Adel. Reader.

Bacteriology

Cruickshank, R., M.B , Ch.B., M.D. Aberd., D.P.H., F.R.C.P. Prof.

Himmelweit, H., M.D. Berlin, Ph.D.

Hughes, W. H., M.D., M.B., B.S. Reader.

Biochemistry

Williams, R. T., D.Sc. Birm., Ph.D. Wales Prof.

Biology

Cameron, E., Ph D., D.Sc.

Fisk, A., M.Sc. Lond.

Foster, C. L., M.Sc., Ph.D. Reader.

Chemistry

King, G., D.Sc., F.R.I.C.

Dental Surgery

Fish, E. W., C.B.E., M.D., Ch.B., L.D.S. Manc., D.D.S., D.Sc., F.D.S.R.C.S.

Dermatology

Heggs, G. B. M., O B.E , M D., B.S., F.R.C.P.

Medicine

Brooks, W. D W , M.A , D.M., B Ch. Oxon., F.R.C.P.

Hunt, T. C., B.A., D.M. Oxon., F.R.C.P.

Pickering, G. W., M.A., M.B. Camb , F.R C.P. Prof.

Mental Diseases

James, G. W. B., C.B.E., M.C., M.D., B.S., D.P.M.

Neurology

Brinton, D. H., D.M., B.Ch. Oxon., F.R.C.P.

Obstetrics and Gynæcology

Bourne, A. W., M.A., M.B., B.Chir. Camb., F.R.C.S., F.R.C.O.G

MacLeod, D. H., M.B., M.S., F.R.C.P., F.R.C.S., F.R.C.O.G.

Williams, L. H. W., M.D., M.S., F.R.C.S., F.R.C.O.G.

Ophthalmology

Cross, A. G., M.A., M.D., B.Ch., F.R.C.S.

Williamson-Noble, F. A., B.A., M.B., B.Chir. Camb., F.R.C.S.

Orthopædics

Ellis, V. H., M.A., B.Chir. Camb., F.R.C.S.

Oto-Rhino-Laryngology

Simpson, J. F., F.R.C.S.

Pædiatrics

Lightwood, R. C., M.D., F.R.C.P., D.P.H.

Pathology and Morbid Anatomy

Newcomb, W. D, M.A., M.D., B Chir Camb, F.R C P. Prof.
Pryce, D. M, M.D. Reader.

Pathology, Chemical and Forensic Medicine

Lynch, G. R, O B E., M D., B.S, D P.H., P.R I C.

Pharmacology

Stewart, H. C., M.D., B.Chir. Camb., Ph D Reader.

Physiology

Huggett, A. St. G. J. McC., D.Sc., Ph.D., M.B., B.S. Prof.
Malcolm, J. L., M.B., Ch.B., B.Med.Sc. N.Z. Reader.

Radiology

Hulbert, M. H. E., M.B., B.S., D M.R.E.
Williams, E. R, M D, D.M R. & E. Camb, F.R.C.P., F.F.R.

Surgery

Handfield-Jones, R. M., M.C., M.B, M.S., F.R C S, F.R.E.S.
Pannett, C. A., B.Sc., M.D., B.S., F.R C.S. Prof.
Porritt, A. E, C.B.E, M.A., B.M., M Ch Oxon., F.R.C.S.
Wright, A. D, M.B., M.S., F.R.C.S., D.T.M. and H.

Venereal Diseases

McElligott, G. L. M, M A. Oxon.

GENERAL INFORMATION

Founded 1854. A School of the Univ. in the Fac. of Medicine and incorporated under the National Health Service Act, 1946.

LIBRARY. The Library contains more than 5000 text-books and bound journals. New books are added each year and medical and scientific journals are received regularly. A lending scheme is in operation.

COURSE OF STUDY. Entry is restricted to students reading for Univ. Degrees 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 for 3 years. All these scholps. are eligible for supplementation by the Ministry of Education, and application is made in January. Research Fellowships and many other prizes and scholps. are available.

PUBLICATION. *St. Mary's Hospital Gazette.*

THE YEAR 1948–49

NEW BUILDINGS. A bldg. to provide accomm. for women students, a Students' Union Cttee. Room and Office, and a Photographic Dept. An extension to the Restaurant.

STUDENTS. Full-time : 452.

DEGREES, ETC. B.Sc., 4 ; M.B., B.S., 30 ; M.D , 15 ; M.S., 1 ; M.Sc., 1 ; Ph.D., 2 ; D.M.R., 2.

ST. THOMAS'S HOSPITAL MEDICAL SCHOOL

Founded in 13th century

Albert Embankment, S.E.1.
Telephone: Waterloo 5656; ext. 23.

DEAN—Professor W. G. BARNARD, F.R.C.P.

SUB-DEAN—J. FOREST SMITH, F.R.C.P.

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., D.A., F F.A R C.S.
Wylie, W. D., M.A., M B., B.Chir. Camb.

Anatomy

Davies, D. V., M.A. Camb., M.B., B.S. Prof.

Bacteriology

Barber, Mary, M.D., B.S. Reader.
Hare, R., M.D., B.S. Prof.

Biochemistry

Lowndes, J., F.R.I.C. Lectr.
Young, Leslie, D Sc., Ph.D, F.R.I.C. Prof.

Biology

Rushton, W., D.I.C., Hon. D.Sc. Illinois Lectr.
Hamilton, A. G., B Sc, B.Agr. Belf., Ph D. Lectr.

Cardiology

Jones, Evan, M.D., B.S., F.R.C.P.

Children's Diseases

Forest Smith, J., F.R.C.P.

Dental Surgery

Hovell, J. H., L.D.S.

Dermatology

Dowling, G. B., M.D., F.R.C.P.
Wallace, H. J., M.A., M.D. Camb.

Medicine

Anderson, H. J, M.B., B.Chir. Camb.
Gardiner-Hill, H., M.B.E., M.A., M.D. Camb., F.R.C.P.
Goadby, H. K., M.A., M.D. Camb., F.R C.P.
Hilton, R, M A., M.D. Camb., F.R.C P.
Jones, Evan, M.D., B.S., F.R.C.P.
Richardson, J. S., M.V.O., M.A., M.D. 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.

Neurology

Elkington, J. St. C., M.A., M.D. Camb., F.R.C.P.

Obstetrics and Gynæcology

Bowes, R. K., M.D., M.S., F.R.C.S.
Rickford, R. B. K., M.D., F.R.C.S.
Wrigley, A. J., M.D., F.R.C.S., F.R.C.O.G.

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

Perkins, G., M.C., M.A., M.Ch. Oxon., F.R.C.S. Prof.

Oto-Rhino-Laryngology

Bateman, G. H., M.A., B.M., B.Ch. Oxon., F.R.C.S.
Mill, W. A., M.S., F.R.C.S.
Neilson, D. F. A., B.A. Camb., F.R.C.S.

Pathology

Barnard, W. G., F R.C.P. Prof
John, R. W. Lectr.

Pathology, Chemical

Griffiths, W. J., B.Sc., Ph D
Prunty, F. T. G., M A, M D. Camb. Reader.

Pharmacology and Therapeutics

Stacey, R. S., M.A., M.D. Camb. Reader

Physics

Brinkworth, J. H., D.Sc. Lectr.

Physiology

Barcroft, H., M.A., M.D. Camb. Prof.
Downman, C. B. B., B Sc. Lectr.
Vass, C. C. N., M.Sc., Ph D, M.B., Ch.B. Leeds Reader.

Public Health

Maitland, C. T., B.Sc., M D, F.R.C.P., D.P.H., D.T.M. and H. Lectr.

Radiodiagnosis

McLaren, J. W., M.A., D.M.R.E. Camb.

Radiotherapy

Fleming, J. A. C., M B, Ch.B., F.R.C.S.Ed, D.R, F.F.R.

Surgery

Barrett, N. R, M A, M Ch. Camb., F.R.C.S.
Boggon, R. H., M.B., M.S., F R.C S.
Mimpriss, T W, M B, B S, F.R.C.S.
Nevin, R W, M.A, M B, B Chir. Camb, F R C S
Perkins, G, M C, M A., M Chir. Oxon., F.R C.S. Prof.
Rob, C G., M 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
Romanis, W. H. C, M A., M.B, M.Chir. Camb., F.R.C.S., F.R S Ed.

Thoracic Disease

Barrett, N. R., M A., M Chir. Camb., F R C S
Anderson, H. J, M B, B.Chir. Camb.

Venereal Diseases

Anwyl-Davies, T., M D., F.R.C P.

GENERAL INFORMATION

The School was founded in the 13th century and is now an incorporated School of the Univ. of London. The Pre-medical and Pre-clinical Depts. are well equipped, and there are full Professorial Units in Medicine and Surgery. The Hospl. has over 500 beds available for teaching; the Library contains a wide selection of periodicals and of relevant text-books. There is an extensive pathol. museum.

COURSES. Full instruction is now provided for the whole course for the degree of M.B., B.S. London. Students for this degree may join the pre-medical or pre-clinical periods in Oct., but those from the Univs. of Oxford or Cambridge, who wish to do their clinical 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 year, starting in March and Sept. Women students are accepted up to 15 per cent of the annual entry.

FEES. Tuition, £52 : 10s. p.a.; club subscription, £5 p.a.

SCHOLARSHIPS. Scholps. are offered for entry into the pre-clinical and clinical periods and there are many scholps. and prizes awarded during the year. Research facilities and scholps. are available for postgraduates, and 2 scholps. may be awarded annually to enable selected students to take a B.Sc. degree in Physiol. before proceeding to the clinical period.

THE YEAR 1948–49

NEW BUILDINGS. Metabolic Res. Unit, Photographic Dept. and additional Physics Lab. opened. New Athletic Ground at Cobham now in full use. Work commenced on new accomm. for Med. and Surgical Units.

RESIGNATION. Dr. T. D. Day (Reader in Pathol.), on appt. as Sr. Res. Fellow in Experimental Pathol. and Cancer Res., Univ. of Leeds.

STUDENTS. 433 (including 25 women) full-time.

DEGREES. M B., B.S. Lond., 30; M.B., B.Chir. Camb, 21; M.D. Lond., 17; M.D. Camb., 2; M.S. Lond., 1; Ph.D. Lond., 3; B.Sc. (Hons. Physiol.) Lond, 1.

UNIVERSITY COLLEGE HOSPITAL MEDICAL SCHOOL

Founded 1828

University Street, London, W.C.1.
Telephone: Euston 5861.

CHAIRMAN OF THE SCHOOL COUNCIL—Sir ARCHIBALD GRAY, C.B.E., M.D., F.R.C.S., F.R.C.P.

DEAN—J. C. HAWKSLEY, C.B.E., M.D., Ph.D., F.R.C.P.

VICE-DEAN—S. J. COWELL, M.A., M.B., 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., D.A.

Bacteriology

Smith, Wilson, M.D., F.R.S. Prof.

Chemical Pathology

Rimington, C., Ph.D., B.Sc. Prof.

Clinical Pathology

Maizels, M., M.D., F.R.C.P. Reader.

Dermatology

Freudenthal, W., M.D. Breslau Reader.

Goldsmith, W. N., M.A., M.D., F.R.C.P.

Forensic Medicine

Purchase, W. Bentley, M.C., M.A., M.B. Camb., D.P.H.

Hygiene and Public Health

Delafield, M. E., M.C., B.A., M.B., B.Chir., D.P.H. Camb. Prof.

Medicine

Cowell, S. J., M.B., F.R.C.P. (Dietetics) Prof.

Harris, K. E., M.A., M.D., F.R.C.P.

Hawksley, J. C., C.B.E., M.D., Ph.D., F.R.C.P.

Morland, A., M.D., F.R.C.P.

Pochin, E. E., M.A., M.D., F.R.C.P.

Pritchard, E. A. B., M.D., F.R.C.P.

Rosenheim, M. L., M.A., M.D., F.R.C.P. Prof

Stokes, J. F., M.D., F.R.C.P.

Walshe, F. M. R., O.B.E., M.D., D.Sc., F.R.C.P., F.R.S.

Mental Diseases

Dillon, F., M.D.

Moodie, W., M.D., F.R.C.P.

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.

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.

Ophthalmology

Neame, H., F.R.C.S.
Shapland, C. D., F.R.C.S.

Oto-Rhino-Laryngology

Formby, M. L., F.R.C.S.
Wadge, Joan, B.S., F.R.C.S.
Watkyn-Thomas, F. W., F.R.C.S.

Pædiatrics

Schlesinger, B., O.B.E., M.A., M.D , F.R.C.P.

Physical Medicine

Burt, H. A., M.B., B.Chir. Camb.

Practical Pharmacology

Wilson, Andrew, Ph.D., M.D. Glas. Reader.

Radiology

Hilton, Mrs. G., B.Sc., M.B., B.S., D.M.R.E.

Shanks, S. Cochrane, M.D., F.R.C.P., F.F.R.

Surgery

Davies, D. R., M.S., F.R.C.S.
Dudley-Buxton, J. L. (Dental Surgery).
Flemming, C. W., O.B.E., M.Ch., 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.
Pilcher, R. S., M.S., F.R.C.S. Prof.
Taylor, J., C.B E., M.S., F.R.C.S.

Venereal Diseases

Thomas, E. G., O.B.E., V.R.D., M.D.

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.

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 continue to be 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.

FEES. For the complete Clinical Course, £165. Oxford and Cambridge students who have completed their course in Pathol., £150.

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.

THE YEAR 1948–49

NEW DEVELOPMENTS. As a consequence of the National Health Service Act, St. Pancras Hospl. and the Hospl. for Tropical Diseases have been incorporated in the Univ. Coll. Hospl. Group, thereby increasing the number of beds available for clinical teaching to not less than 1100.

The School itself ceased to be incorporated with the Hospl. on July 5, 1948, and is now a separate teaching Institution of the Univ. governed by its own School Council.

STUDENTS. Total: 334 full-time (including 54 women).

DEGREES OBTAINED. M.B., B.S. Lond., 36; M.D. Lond., 17; M B, B.Chir. Camb., 22; B.M., Ch.B. Oxon., 4; Ph.D. Lond., 3.

UNIVERSITY COLLEGE HOSPITAL DENTAL SCHOOL

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Hudson, M. W. P., M B., B.S., D.A.

Anatomy

Young, J. Z., M.A., F R.S. Prof.

Bacteriology

Smith, Wilson, M.D., F R.S. Prof.

Dental Surgery

Dudley-Buxton, J. L., F.D.S.R.C.S.
Green, C. de V., F.D.S.R.C.S., D.D.S. Tor.
Ince-Jones, A. K., F.D.S.R.C.S.
Schofield, James, F.D.S.R.C.S.
Shefford, A D. E., O.B.E., F.D.S.R.C.S.
Wright, J., A.F C., H.D.D Ed, F.D.S R.C.S.

Medicine

Stokes, J. F., M.D., F.R.C.P.

Pathology

Cameron, G. R., M.B., B.S. Melb., D.Sc., F.R.C.P., F.R.S. Prof.

Pharmacology

Wilson, Andrew, Ph.D, M.D Glas. Reader.

Surgery

Matthews, D. N., O.B.E., M.Ch., F.R.C.S.

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. £63 p.a., inclusive, to cover the four-years curriculum.

THE YEAR 1948–49

NEW BUILDINGS. Work has continued on the new Dept. to accomm. students studying Dental Mechanics and Prosthetics. By this expansion it is hoped to increase the annual student entry. The new bldg. will be available for occupation by the end of 1950.

STUDENTS. Total: 46 men; 22 women.

DEGREES. B.D.S. Lond., 6.

WESTMINSTER MEDICAL SCHOOL

Founded 1834

Horseferry Rd., S.W.1.
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., M.B , Ch B

SECRETARY—W. R MOULE, M.A. Camb.

APPOINTED AND RECOGNIZED TEACHERS

Chemical Pathology

Maclagan, N. F., M.D., D.Sc , F.R.I.C. Prof.

Clinical Pathology

Pulvertaft, R. J. V., O.B E., M D. Camb , F.R.C.P. Prof.

Dental Surgery

Steadman, B. St. J , B.D.S.
Taylor, R. S., O.B.E., T.D.

Dermatology

Franklin, J. L., M.A., M.D. Camb , B.Ch.

Hygiene

Shinnie, A. J., M.D. Aberd., Ch.B., D.P.H.

Medicine

Gavey, C. J., M.D., M.B., B.S.
Hart, F. D., M.D. Edin., M.B., Ch.B.
Lloyd, W. E., M.D., F.R.C.P.
Meadows, S. P., B.Sc., M.D.
Stott, Sir A. W., K.B.E., M.A., F.R.C.P.

Obstetrics and Gynæcology

Bell, A. C. H., M.B., B.S., F.R.C.S., F.R.C.O.G.
Goodwin, A., O.B.E., M D., B.S., F.R.C.S Eng. and Edin.
Searle, W. N., M B., Ch.B., F.R.C.S.

Orthopædics

Brockman, E. P., B A , M.Chir. Camb , F.R C S.
Harding, H. E., F.R.C.S.

Oto-Rhino-Laryngology

Ashcroft, D. W., M.B., Ch.B., F.R.C.S.

Psychiatry

Garmany, G., M B , Ch.B , D.P M.

Radiology

Kerley, P. J., M.D., B.Chir., D.M.R.E. Camb.

Surgery

Cade, Sir S., K.B.E., C.B., F.R.C.S.
d'Abreu, F. A', M.B., Ch.M. Birm., F.R.C.S
Lee, E. S., M.S., F.R.C.S.
Macnab, G. H., M.B., Ch.B., F.R.C.S.
Mullally, G. T., M.C., M.S., F.R.C.S.
Thomas, C. P., F.R.C.S.

GENERAL INFORMATION

Westminster Hospl. 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 Hospl. 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.

LIBRARY, MUSEUM, ETC. The library contains 4500 books and subscribes yearly to 84 journals and periodicals. There are 350 bound vols. of periodicals. The museum is specially designed to give a complete survey of modern med. sci. and contains over 3000 pathological specimens, of which 500 have been added in the last 4 yrs. The remainder have been remounted and the diagnosis and nomenclature adapted to modern concepts of disease.

SCHOLARSHIPS. The David de Souza Scholp. to the value of £40 p.a. is awarded on the results of an examn. in App. Physiol. held in March; the award is for 1 yr., for the Special B.Sc. course in Physiol. after pre-clinical studies. 4 Scholps., each of the value of £40 p.a. for three yrs., are awarded on the result of an examn. held in May of each yr. in First Yr. subjects. 4 Scholps. of similar value are also awarded annually as the result of examns. in Anat. and Physiol. held in April and Sept.

FEES. Entrance, £10 : 10s. (For those taking clinical studies only, £8 : 8s.) Annual, £55, including membership of the Sports Union Club with its various branches.

RESIDENCE. There is a Hostel for students within five minutes' walk of the School.

THE YEAR 1948–49

OTHER DEVELOPMENTS. Under the National Health Service Act, the Westminster Children's Hospl., the Gordon Hospl. and the All Saints' Urological Centre became " designated " hospls. in the Westminster Hospl. Group. The students are already carrying out part of their studies at these hospitals.

STUDENTS. Total : 155 (including 12 women).

DEGREES. M.B., B.S., 16.

POSTGRADUATE MEDICAL SCHOOLS

BRITISH POSTGRADUATE MEDICAL FEDERATION

Founded 1945

Central Office—3 Gordon Square, W.C.1.
Telephone : Museum 6616.

CHAIRMAN OF GOVERNING BODY—Rt. Hon. Sir JOHN ANDERSON, P.C., G.C.B., G.C.S.I., G.C.I.E., F.R.S., M.P.

DIRECTOR—Professor Sir FRANCIS R. FRASER, M.A. Camb., M.D., LL D. Edin., F.R.C.P.

ASSISTANT DIRECTOR—C. H. HAMILTON-TURNER, M.A., D.M., B.Ch. Oxon.

SECRETARY OF CENTRAL OFFICE—Miss A. Y. CHAMPTALOUP, M.B.E., B.A. N.Z.

APPOINTED AND RECOGNIZED TEACHERS

Note. In the following list the names of the Institutes are indicated by letters thus :

Institute of Child Health (CH.).
Institute of Laryngology and Otology (LO.).
Institute of Obstetrics and Gynæcology (OG.).
Institute of Ophthalmology (Ophth.).
Postgraduate Medical School of London (PM.).
Institute of Psychiatry (Psy.).

Children's Diseases

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.Ch. Camb., F.R.C.P. (CH.).
Lightwood, R., M.D., F.R.C.P. (CH.).
Moncrieff, A. A., M.D., F.R.C.P. Prof. (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.).

Medicine

Bishop, P. M. F., D.M., B.Ch. Oxon. (OG.).
Elliott, F. A., M.B., Ch.B. Cape T., F.R.C.P. (Ophth.).
Fraser, T. R., M.D. N.Z., D.P.M. Reader (PM.).
Gavey, C J., M D., F.R.C.P. (Ophth.).
Meadows, S. P., B.Sc., M.D., Ch.B. Liv., F.R.C.P. (Ophth.).
McMichael, J., M.D. Edin., F.R.C.P. Prof. (PM.).
Scadding, J. G., M.D., F.R.C.P. (PM.).

Mental Diseases

East, Sir William N., M.D., F.R.C.P. (Psy.).
Gillespie, W. H., M.D. Edin. (Psy.).
Lewis, A. J., M.D., B.S. Adel., F.R.C.P. Prof. (Psy.).

Scott, W. C. M , B Sc , M D. Tor. (Psy.).
Slater, E. T. O., M.A., M.D. Camb., F.R C P , D P.M. (Psy).

Obstetrics and Gynæcology

Arthure, H. G. E., M D , B S., F.R.C S (OG.)
Bell, A. C H., M D., B.S., F.R.C.S , F.R C O.G. (OG)
Blaikley, J B , M.B , B S., F.R C S , F R.C.O G (OG).
Clayton, S. G , M D., M.S., F.R.C.S. (OG.).
Cook, Frank, B.Sc , M.B., B.S , F.R.C.S., F.R.C O.G. (OG).
Flew, J. D S., M D (OG.).
Gibberd, G. F., M.B., M.S., F.R.C.S., F.R C O G (OG).
Goodwin, A , O.B E , M D , B.S , F.R.C S. (OG)
Green - Armytage, V , M D , F R.C.O G. (OG.)
Kenny, Maeve, M D , F R.C O G. Reader (OG.)
Roques, F W., M.A., M.D., M.Chir. Camb., F.R.C.S., F.R C O.G (OG.).
Winterton, W. R., M A., M B., B.Chir. Camb., F.R.C.S. (OG.).

Ophthalmology

Doggart, J. H., M.A., M.D. Camb., F.R.C.S. (Ophth.).
Duke-Elder, Sir Stewart, K C.V.O., M.A., M.D , D.Sc St. And., Ph.D., F.R C S. (Ophth).
Goldsmith, A. J. B., M.B., B.S., F.R.C.S. (Ophth.).
Law, F. W., M.A., M.D. Camb., F.R.C.S. (Ophth.).
Lister, A., M.B., B.Ch. Camb., F.R.C.S. (Ophth.).
Lyle, T. K., M.Chir., M D. (Ophth).
Penman, G. G., M.D., F.R.C.S. (Ophth.).
Ridley, N. H. L., M.D., F.R.C.S. (Ophth.).
Shapland, C. D., M.B., B.S., F.R.C.S. (Ophth.).
Stallard, H. B , M.D. (Ophth.).

Oto-Rhino-Laryngology

Ormerod, F. C., M.D., Ch.B. Manc., F.R.C.S. Prof. (LO.).
Hogg, J. C., M.B., B.Chir., F R.C S (LO.)
Watkyn-Thomas, F. W., M.B., B Chir Camb , F R C S. (LO)

Pathology and Bacteriology

Dacie, J. V , M.B., B S. Reader in Hæmatol (PM)
Dible, J. H , M B , Ch.B Glas , F.R C P. Prof of Pathol. (PM.).
Domach, I , M.D. (PM)
Harrison, C. V., M.D , B Sc Wales Reader in Morbid Anat (PM).
King, E J , M A McM , Ph.D. Tor Prof. of Chem. Pathol. (PM.).
Klyne, W , M A. Oxon , Ph.D. Edin. (PM.).
McIlwaine, H , D.Sc., Ph.D. Durh. Reader in Biochem. (Psy.).
Meyer, A., M.D. Bonn Prof. of Neuropathol (Psy.).
Stamp, Lord, M.A , M.B., B.Chir. Camb Prof of Bacteriol (PM.).

Physics

Clark, L. H. S , Ph.D. (PM.).

Radiology

White, J. D., M.B., Ch.B. Edin., D.M.R.E. (PM.).
Williams, E. R., M.D , F R C.P., F.F.R., D.M.R.E. (OG.).

Surgery

Aird, Ian, M.B., Ch.M. Edin., F.R.C.S. Ed. Prof. (PM.).
Donald, Charles, O.B.E., M.D., Ch.M. Aberd., F.R.C.S. (CH.).
Heanley, C. L., M.A., M.B., F.R.C.S. (LO.).
Macnab, G. H., M.B., Ch.B. Edin., F.R.C.S. (CH.).

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) Instruction for general practitioners.

The Federation comprises at present: *Federated Institutes*—Postgraduate Medical School of London, Institute of Psychiatry, Institute of Laryngology and Otology, Institute of Child Health, Institute of Ophthalmology, Institute of Obstetrics and Gynæcology. *Associated Institutes*—Institute of Diseases of the Chest, Institute of Cardiology, Institute of Dermatology, Institute of Orthopædics, Institute of Urology, Institute of Dental Surgery, Institute of Neurology.

The Postgraduate Medical School, the Institute of Psychiatry, the Institute of Laryngology and Otology, the Institute of Child Health, Institute of Ophthalmology and Institute of Obstetrics and Gynæcology have been approved by the Senate for recognition as Federated Institutes. The other institutes are in various stages of development and expansion with a view to recognition in due course.

The provision for postgraduate education at the Institutes and the hospls. associated with them include full-time and pt.-time courses of advanced instruction, clinical clerkships, junior and senior resident hospl. appts. and opportunities for research. They provide instruction for the relevant branches of the M.D., M.S. and Ph.D. degrees and the postgraduate diplomas in Clinical Pathol., Medical Radiol. and Psychol. Medicine of the Univ.

The Federation administered, on behalf of the Univ., the Government Scheme for the Postgraduate Education of Medical Officers on release from the Forces and organizes short refresher courses for general practitioners at general hospls., which are not engaged in undergraduate teaching. 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.

The Federation awards a limited number of Travelling Fellowships annually to medically qualified men and women who are holding an appt. or engaged in postgraduate study at one of the 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: North-East—D. F. Ellison Nash, F.R.C.S. North-West—D. C. Bowie, O.B.E., M.B., Ch.B., F.R.C.S. South-East—H. G. McGregor, M.D. South-West—P. H. Mitchiner, C.B., C.B.E., M.D., M.S., F.R.C.S., D.Ch. (Hon.), K.H.S.

INSTITUTES OF THE FEDERATION

(*a*) POSTGRADUATE MEDICAL SCHOOL OF LONDON, Ducane Road, Shepherd's Bush, W.12. (Telephone: Shepherd's Bush 1260.) *Dean*—C. E. 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., consisting, when fully opened, of 710 beds. There are three ten-week terms in the year when fully organized teaching is arranged daily from 9 A.M. to 4 P.M.; hospl. practice available during vacation. Fees £20 for one term, £35 for two. Facilities for research work provided under direction of Professors for suitable students. Course for Dipl. in Clin. Pathol. commences annually in Oct. and the Dept. of Radiol. of the hospl. provides courses for Diplomas in Medical Radiol. of the Univ. and Conjoint Board. There is a pathol. museum and a modern and well-equipped reference library for use of the students.

THE YEAR 1948–49

NEW POST. Readership in Hæmatology.

VISIT OF TEACHER FROM OTHER UNIVERSITY. Prof. F. H. Smirk, Otago, N.Z., Visiting Prof. in Dept. of Med., Jan.-April, 1949.

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITIES. Prof. McMichael to U.S.A and Canada; delivered first John Musser Lecture at Tulane, New Orleans, and the Thayer Lecture at Johns Hopkins; also Visiting Prof. at Fuad I Univ., Cairo, April 1949.

STUDENTS. Total (full-time and pt.-time): 518.

(*b*) INSTITUTE OF PSYCHIATRY (Maudsley Hospital, Denmark Hill, S.E.5). (Telephone: Rodney 2634.) *Dean*—Professor Aubrey Lewis, M.D., F.R.C.P. *Sub-Dean*—D. L. Davies, D.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.

Postgrad. students are accepted for training for 2-3 yrs. Systematic clin. training is afforded by appts. to the Jr. Staff of the hospl. Regular series of lectures and demonstrations are given throughout the Univ. terms, commencing in Jan., April and Oct.: the fees are £12 : 12s. for 1 term, £31 : 10s. for 3 terms. Courses of instruction are held for psychiatrists, psychologists, and psychiatric social workers. There are facilities for research work under supervision in the clin. depts. and the psychological neuro-anatomical, electro-physiological and biochemical depts. The library contains most of the current periodicals, in various langs., relevant to psychiatric studies.

THE YEAR 1948–49

NEW POST. Readership in Psychiatry.

RESIGNATION. Prof. S. Nevin (Path. of Mental Disease).

STUDENTS. Total (full-time and pt.-time): 86.

(*c*) INSTITUTE OF LARYNGOLOGY AND OTOLOGY (Royal National Throat, Nose and Ear Hospital, Gray's Inn Road, W.C.1, and Golden Square, W.1). (Telephone: Terminus 4311.) *Dean*—C. Gill-Carey, F.R.C.S.

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 5 months and held twice annually, commencing Jan. and July. Composite fee, including enrolment as clinical assistant, attendance on hospital practice and at one of the comprehensive courses, varies from £42 for 3 months to £51 for year. An advanced revision course lasting 10-12 weeks is held twice yearly, commencing Feb. and Aug. Fee, £31 : 10s. 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.

THE YEAR 1948–49

NEW POST. Chair of Laryngology and Otology.

STUDENTS. Total (full-time and pt.-time): 65.

(*d*) INSTITUTE OF CHILD HEALTH (Hospital for Sick Children, Great Ormond Street, W.C.1). (Telephone: Holborn 2196.) *Dean*—G. H. Newns, M.D.

The Institute was founded in 1945 and is associated with the Hospital for Sick Children, Great Ormond St. The object of the Institute is to promote and co-ordinate the study of problems relating to children in sickness and in health, from pre-natal to school-leaving age. Tuition is provided daily from 10 A.M. to 4 P.M. in three terms of 12 weeks each. Courses of lectures on special subjects are given each term. Teaching is mainly by means of attendance on hospl. practice, which is continuous. Fees, 3 months £15 : 15s., 6 months £26 : 5s. Shorter periods by arrangement. A students' common room and reading room are provided.

THE YEAR 1948–49

DEVELOPMENT. The Institute was inspected by the Senate of the Univ. and approved as a Federated Institute of the Federation from Oct. 1948.

STUDENTS. Total (full-time and pt.-time): 325.

(*e*) INSTITUTE OF OPHTHALMOLOGY (Judd Street, 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. In addition to teaching by means of hospl. practice, a routine lecture and tutorial course, lasting 4 to 5 months, 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 course, £52 : 10s. Clin. teaching and lectures are given at a higher level for advanced students. 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.

THE YEAR 1948–49

DEVELOPMENT. The Inst. was inspected by the Senate of the Univ. and approved as a Federated Institute of the Federation from Oct. 1948.

STUDENTS. Total (full-time and pt.-time) : 192.

(*f*) INSTITUTE OF OBSTETRICS AND GYNÆCOLOGY (the Dept. of Obstetrics and Gynæcol. of the Postgraduate Medical School of London, W.12, Queen Charlotte's Maternity Hospital, W.6, and the Chelsea Hospital for Women, S.W.3). (Telephone : Shepherd's Bush 1260 and Flaxman 9509.) *Acting Dean*—J Duncan Murdoch, M.B , F R.C.S.

The Institute was formed in 1948 and 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 has 241 beds for Obstetrics and 172 for Gynæcol. Training is mainly by means of attendance on the hospl. practice, which is continuous throughout the yr. Courses of instruction, which include lectures and demonstrations, are held in 3 terms annually, commencing in Oct , Jan. and April : they are of 10 weeks' duration. The fees are £20 for 1 term ; £35 for 2 terms. There is provision for general practitioners with a special interest in obstetrics and gynæcol. to attend for short periods. There are resident house appts., registrarships, etc. open to students. Research and museum facilities.

THE YEAR 1948–49

DEVELOPMENT. The Institute was inspected by the Senate of the Univ and approved as a Federated Institute of the Federation from Oct. 1949.

STUDENTS. Total (full-time and pt.-time) : 297.

(*g*) INSTITUTE OF DISEASES OF THE CHEST (Brompton Hospital, S.W.3). (Telephone : Flaxman 8040.) *Dean*—J. G Scadding, M.D., F.R.C.P.

The Institute is situated in the grounds of the Brompton Hospital and is associated with the Hospitals for Diseases of the Chest (Brompton Hospital and the London Chest Hospital). Teaching is primarily by means of attendance on the hospl. practice. Courses of lectures and demonstrations are held during 3 terms annually ; the terms are of 12 weeks' duration and commence in Oct., Jan. and April ; these are pt.-time and the fees are £12 : 12s. a term. A whole-time programme is available for a limited number of students specializing in diseases of the chest. The fee for this is £15 : 15s. a term. There are research labs., a library and museum.

THE YEAR 1948–49

NEW BUILDINGS. In Oct. 1949 the new bldgs. of the Inst., which are in the grounds of the Brompton Hospital, were formally opened by Sir John Anderson, Chairman of the Governing Body of the British Postgraduate Medical Federation.

STUDENTS. Total (full-time and pt.-time) : 189.

(*h*) INSTITUTE OF CARDIOLOGY (National Heart Hospital, Westmoreland Street, W.1). (Telephone: Welbeck 1896.) *Dean*—Paul Wood, O.B.E., M.D., F.R.C.P.

Provides training by means of registrar appointments for physicians who intend to specialize in cardiol. and full-time instructn. for a period of 3 months for a limited number of selected post-grads. already trained in general med. but who do not wish to specialize in cardiol. Training includes clin. cardiol., electrocardiography and radiol. of the heart. Fee, £26 : 5s. A limited number of postgrads. are accepted for pt.-time instructn., of a similar type with a fee in proportion to that charged above. A special 2 weeks' course is held each term with a fee of £12 : 12s.

THE YEAR 1948–49

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITIES. Dr. P. Wood as Visiting Lecturer to the Univs. of Cape Town and Witwatersrand, April-May, 1949.

STUDENTS. Total (full-time and pt.-time): 215.

(*i*) INSTITUTE OF DERMATOLOGY (St John's Hospital for Diseases of the Skin, Lisle Street, W.C 2). (Telephone: Gerrard 7072.) *Dean*—J. E. M. Wigley, M.B., B.S., F.R.C.P.

Clin. teaching takes place in the out-patient dept. twice daily, fee varying from £1 : 1s. for 1 week to £15 : 15s. for a year. Facilities for study and tuition in the pathol. lab., but owing to restricted accomm. no ward instructn. is possible yet. Short course of lectures is given in summer and a longer and more systematic course in the winter. Fees for these courses, £4 : 4s. and £10 : 10s. respectively. Clin. Assistantships are available for more advanced students.

THE YEAR 1948–49

STUDENTS. Total (full-time and pt.-time): 117.

(*j*) INSTITUTE OF ORTHOPÆDICS (Royal National Orthopædic Hospital, Great Portland Street, W.1). (Telephone: Euston 6003) *Dean*—H. Jackson Burrows, M.A., M.D., F.R.C.P.

The practice of the central hospl. and the country branch at Stanmore is open to postgraduate students. In addition to hospl. practice, a comprehensive basic course of 6 months' duration, consisting of lectures and demonstrations on the principle and practice of orthopædics, is held each year, commencing in Oct. Fee, £42, including attendance on the hospl. practice. Twice a year in April and Sept., a short revision course in Adv. Clin. Orthopædics of a week's duration is held. Fee, £6 : 6s. Students should have previous surgical training and experience.

THE YEAR 1948–49

STUDENTS. Total (full-time and pt.-time): 92.

(*k*) INSTITUTE OF UROLOGY (St. Peter's and St. Paul's Hospitals, Henrietta Street, W.C.2). (Telephone: Temple Bar 9347.) *Director of Studies*—A Clifford Morson, O.B.E., F.R.C.S.

Three courses of 14 weeks' duration held annually, commencing in Jan., April and Sept., include systematic lectures covering the whole subject of urology, out-patient sessions, ward visits, operation sessions and tutorial demonstrations. Fee per course, £15 : 15s. In addition, an intensive revision

course of 2 weeks' duration suitable for students taking higher examns. is held in Sept. and March. Fee, £10 : 10s. A limited number of clin. assts. are apptd. in Jan. and July each year. In V.D., two 6 months' courses, commencing Oct. and April, are held each year. These include clin. work, lab. instructn., lectures and demonstrations. Fee, £29 : 8s.

THE YEAR 1948–49

STUDENTS. Total (full-time and pt.-time) : 53.

(*l*) INSTITUTE OF DENTAL SURGERY (Eastman Dental Clinic, Gray's Inn Road, W.C.2). (Telephone : Terminus 8426.) *Dean*—A. C. Deverell, F.D.S.R.C.S.

In addition to training by means of full-time appts. in the Institute, full-time courses in the following are being arranged: Dentistry for children (6 mos.), operative dentistry (6 mos.), periodontia (6 mos.), prosthetics (3 mos.), orthodontics (1 yr.).

THE YEAR 1948–49

STUDENTS. Total (full-time and pt.-time) : 33.

(*m*) INSTITUTE OF NEUROLOGY (National Hospital, Queen Square, W.C.1). (Telephone : Terminus 7721.) *Dean*—Macdonald Critchley, M.D., F.R.C.P.

The Inst. is associated with the National Hospital, Queen Square, where teaching has been going on since 1859. Clin. teaching goes on continuously throughout the yr. and is by means of attendance on the hospl. practice. Clin. demonstrations are held twice a week. 2 courses in neurology are held annually, commencing in Oct. and Jan. and of 10 weeks' duration. These courses include instruction on the anat. and physiol. of the nervous system, methods of examn., neuropathol. and psychol. med. as well as clin. neurol. The fee for the course is £21. A course in neuro-surgery is held once a year, commencing in May and lasting for 6 weeks: the fee is £15 : 15s. Res. facilities are available for advanced students.

LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE

(INCORPORATING THE ROSS INSTITUTE)

Founded 1924

Keppel Street (Gower Street), W.C.1.
Telephone: Museum 3041.

CHAIRMAN OF THE COURT OF GOVERNORS—Rt. Hon. LORD MILVERTON, G.C.M.G.

CHAIRMAN OF THE BOARD OF MANAGEMENT—Sir GEORGE ELLISTON, M.C., M.A., D.L., J.P.

DEAN—A. TOPPING, T.D., M.A., M.D., D.P.H. Aberd., F.R.C.P.

ASSISTANT DEAN—G. M. FRIZELLE, T.D., M.D.

FINANCE OFFICER—L. G. PONSFORD.

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.

Bacteriology and Immunology

Spooner, E. T. C., M.A., M.D. Camb. Prof.
Cruickshank, J. C., M.B., Ch.B. Edin., D.T.M., Dip. Bact. Prof.
Fulton, Forrest, 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.

Chemistry as Applied to Hygiene

Delafield, M. E., M.C., B.A., M.B., B.Chir., D.P.H. Camb. Prof.

Clinical Tropical Medicine

Murgatroyd, F., M.D. Liv., F.R.C.P., D.T.M. Wellcome Prof.

Entomology

Buxton, P A., C M G., D.T.M. and H., F R S Prof.
Bertram, D. S., Ph.D., D.Sc. Glas. Reader.
Busvine, J. R., Ph.D., D.Sc.

Human Nutrition

Platt, B. S, C M.G., M.Sc., M B., Ch B., Ph.D. Leeds Prof.

Medical Statistics

Hill, A. Bradford, D Sc., Ph D. Prof.
Reid, D D., M.D. Aberd., Ph.D. Reader.
Irwin, J. O., M.A., Sc.D. Camb, D.Sc.
Martin, W. J., D.Sc., Ph.D.

Parasitology and Helminthology

Shortt, H. E., C.I.E., M.D., D.Sc. Aberd., F.R.S., D.T.M. and H. Prof.
Buckley, J. J. C., D.Sc. N.U.I. Prof.
Garnham, P. C. C., M.D., D.P.H. Reader.

Public Health

Mackintosh, J. M., M.A., M.D. Glas., D.P.H., F.R.C.P. Prof.

McCracken, I. E., M.D. Edin., B.Hy., D.P.H. Lectr.

Bedford, T., Ph.D., D.Sc. Lectr.

Roberts, J A. Fraser, M.A , D.Sc., M.D.Edin., F.R C.P. *Ross Institute of Tropical Hygiene*

Macdonald, G., M.D. Liv., D.P.H , D.T.M. Prof

Tredre, R. F., M D , B Hy , D P.H Durh , D.T.M.

GENERAL INFORMATION

This School was constituted by Royal Charter on April 1, 1924. In accordance with the terms of the Charter the School was recognized on Nov. 18, 1931, in the Faculty of Science and in the Faculty of Medicine in so far as the branches of Public Health, Hygiene, State Medicine, and Tropical Medicine are concerned. The school was built and equipped with a sum of $2,000,000 provided by the Rockefeller Foundation, who made the gift on the understanding that the British Government would make adequate grants for staffing and maintaining the School. It includes the following depts.: (1) Public Health; (2) Biochem. and Chem. as app. to Hyg.; (3) Bacteriol. and Immunol.; (4) Parasitol.; (5) Entomol.; (6) Med. Statistics; (7) Clin. Trop. Med.; (8) Ross Inst. of Trop. Hyg.; (9) App. Physiol.; (10) Human Nutrition. The School provides for the training of public health officers, and for research in various branches of preventive medicine. Appointed and Recognized Teachers —26 (v. *supra*).

The courses of study in all branches of the work of the School are given in the premises in Keppel St. (Gower St.), which has excellent labs. and research rooms, a fine lecture theatre and classrooms, library and museum.

Diploma in Tropical Medicine and Hygiene. On Aug. 1, 1924, the School took over from the Seamen's Hospital Society the old School of Tropical Medicine. Students must ordinarily be qualified med. practitioners. The funds available for encouraging research include the Tropical Diseases Research Fund, the Wandsworth Bequest, the Stanley Memorial and the Avebury Memorial Funds. Research expeditions are equipped and maintained by the School. There are two courses of 5 months each every year, designed for the D.T M. and H. of the Conjoint Board. Fees, £40 for each course.

Certificate and Diploma in Public Health. The courses of study, commencing late September, extend over periods of 3 and 9 mos.' whole-time study, and are so arranged that students will be able to comply with all requirements of the Gen. Med. Council. Included in the syllabus are a number of special lectures by recognized experts in various public health problems, and a number of visits to carefully selected places of outstanding public health interest. The courses of study are designed to enable candidates to proceed to the Academic Certif. and Dipl. in Pub. Health instituted by the Univ. Fee for courses, £21 and £56 : 14s.

Diploma in Bacteriology. The special course of study for the Dipl. in Bacteriol. covers a period of one academic year beginning in Oct. Fee for course, £56 : 14s.

In addition to the students taking the Diploma Courses, many are admitted to special courses of study and research in the various branches of the work of the School.

THE YEAR 1948–49

NEW BUILDINGS. During the war the Malet Street Wing of the School was hit by a bomb, in consequence of which approx. one-sixth of the School's teaching and lab. accomm. was destroyed. During 1948 work was begun on

the reconstruction of the damaged wing and the shell was completed in 1949. Early in 1950 a licence was granted for the completion of the work on the interior.

NEW POSTS. Full-time administrative Dean. In the Dept. of Public Health Dr. T. McL. Galloway was appointed Joint Lectr. in Preventive and Social Med. at the Royal Free Hospl. School of Med. and at the London School of Hygiene and Tropical Med.

VISITING LECTURERS. The Heath Clark lectures for 1949 were delivered by Professor Sir James Learmonth, on the subject "The Contribution of Surgery to Preventive Medicine." Professor N. H. Swellengrebel, Director of the Department of Tropical Hygiene, Royal Institute for the Indies, Amsterdam, gave two lectures on the following subjects—"How the Malaria Service in Indonesia Came into Being" and "Plague in Java."

DEGREES, ETC. M.D. (Hygiene), 2; M.D. (Trop. Med.), 1; D.P.H., 41; D.T.M. & H., 73; Dip Bact., 9.

LISTER INSTITUTE OF PREVENTIVE MEDICINE *

Founded 1891

Chelsea Bridge Road, London, S.W.1.
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 AND SECRETARY—SIR ALAN N DRURY, C.B.E., M.A , M.D , F.R.S.

APPOINTED AND RECOGNIZED TEACHERS

Drury, Sir Alan N., C.B.E., M.A., M.D. Camb., F.R.S (Pathol.).
Kekwick, R. A., D.Sc. (Biochem.-Biophysics).
McClean, D., M.B., B.S.(Bacteriol.).
Morgan, W. T. J , D.Sc , Ph.D., F.R I.C , F R.S. (Reader in Biochem)

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 1948–49

STUDENTS. Total : 19.

DEGREES. Ph.D., 6 ; M.D., 1.

* Not in receipt of U.G.C. grants

ROYAL CANCER HOSPITAL *

Founded 1851

Fulham Road, S.W.3.
Telephone : Flaxman 0081-4.

CHAIRMAN OF BOARD OF GOVERNORS—Sir EDWARD CRIPPS.

VICE-CHAIRMAN OF BOARD OF GOVERNORS—.....

HOUSE GOVERNOR AND SECRETARY—VICTOR H. PINKHAM.

APPOINTED AND RECOGNIZED TEACHERS

Biochemistry

Boyland, E., D.Sc. Vict., Ph.D. Prof.

Chemistry

Kon, G. A. R., M.A. Camb., D.Sc. Prof.

Experimental Pathology

Haddow, A., M.D., D.Sc., Ph.D. Edin. Prof.

Horning, E. S., M.A. Oxon., D.Sc. Melb.

Physics

Lamerton, L. F., M.Sc., Ph.D., F Inst.P. Prof.

Mayneord, W. V., D.Sc Birm., F.Inst.P.

Radiology

Smithers, D. W., M.D. Camb., D.M.R. Prof.

GENERAL INFORMATION

A School of the Univ. in the Fac. of Medicine for the purpose of Research in (i) Adv. Pathol., and (ii) Radiol. in relation to malignant disease. Admitted 1927.

The Hospl. has at present accomm. for 127 in-patients; also an Out-patients' Dept. There are, in addition, 29 private beds.

COURSES. Postgraduate lectures and courses of instrn. are held for students studying for the Acad. Postgraduate Dipls. in Med. Radiol. Facilities are afforded to those wishing to pursue research in the clin. and pathol. aspects of cancer. Facilities are also available for research into the physical and biol. foundations of Med. Radiol.

LIBRARY, ETC. The Chester Beatty Research Institute includes a library and labs. for chem., biochem. and histol. investigations into cancer and allied diseases.

THE YEAR 1948–49

STUDENTS. Total : 22.

DIPLOMAS. Diploma in Medical Radiology (D.M.R.), 5.

* Not in receipt of U.G.C. grants.

INSTITUTIONS WITH RECOGNIZED TEACHERS *

[(*a*) Principal. (*b*) Subjects in which recognized (*c*) Number of Internal degree students.]

1. UNIVERSITY OF LONDON GOLDSMITHS' COLLEGE, New Cross, S.E.14. Incorporated in the Univ. *Warden, and Principal of the Training Dept.*—A. J. Price, M.A. Oxon. *Vice-Principals of Training Dept.*—Miss D. M. E Dymes, M.A., and E. A. Wheeler, O B.E., M Sc.

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. and Instrs.—40. Hostels provide accommodation for nearly all the women and some of the men students. Recognized Teachers—8 (v. *infra*)—Classics, Educn., Eng., Geog., Hist., Music.

School of Art (Day and Evening). Headmaster and 25 Assts. *Fees*. Day, £5 to £15; Evening, 13s. for any one sessional class or £1 for an inclusive course on three evenings.

The Evening Department of Adult Education. Provides opportunities of non-vocational study for men and women. *Fees*: 10s. for any one sessional class or £1 for an inclusive course on any number of evenings.

2. BATTERSEA POLYTECHNIC, Battersea Park Rd., S.W.11. (*a*) R. W. West, D.Sc., F.R.I.C., F.I.R.I. (*b*) Chem., Engin. (Civ., Elec., Mech. and Chem.), Maths., Metallurgy, Music, Physics (*c*) 832.

3. CHELSEA POLYTECHNIC, Manresa Rd., Chelsea, S.W 3. (*a*) F. J. Harlow, M.B.E., Ph.D., B.Sc., F.Inst.P. (*b*) Bot., Chem., Geol, Maths., Pharm., Physics., Zool. (*c*) 773.

4. COLLEGE OF ESTATE MANAGEMENT, St. Alban's Grove, W.8. (*a*) S. J. Worsley, D.S.O., M.C., M.A (*b*) Subjects for the Degree in Estate Management. (*c*) 116.

5. EAST MALLING RESEARCH STATION, East Malling, Kent. (*a*) *Director*—F. R. Tubbs, Ph.D., M.Sc., A.R.C.S., D.I.C. (*b*) Fruit Production (incl. Horticulture (Pomology), Statistics, Plant Physiol., Chem. (in rel. to Fruit-growing), Plant Pathol., Entomol.). For postgraduate research students only. (*c*) 13.

6. FURZEDOWN TRAINING COLLEGE, Welham Rd., S.W.17. (*a*) Miss C. Fletcher, B.A. (*b*) Education. (*c*) 21.

7. JEWS' COLLEGE, Woburn House, Tavistock Sq., W.C.1. (*a*) *Director of Studies*—Rabbi Dr. I. Epstein. (*b*) Hebrew, Semitics. (*c*) 19.

8. JOHN INNES HORTICULTURAL INSTITUTION, Bayfordbury, nr. Hertford, Herts. *Director*—C. D. Darlington, D.Sc., F.R.S. (*b*) Genetics and Cytology. (*c*) 5 (research only).

9. MARIA GREY TRAINING COLLEGE, 11 The Avenue, Brondesbury, N.W.6. (*a*) Miss Mildred Cant, B.A. (*b*) Educn. (*c*) 10.

* Only the totals of those students pursuing internal degree courses of the University of London are given. The Institutions also provide other courses.

10. NATIONAL INSTITUTE FOR MEDICAL RESEARCH, The Ridgeway, Mill Hill, N.W.7. Under the Medical Research Council. *Director*—Sir Charles Harington, Ph.D., M.A., F.R.S. (*b*) Bacteriol., Chem., Biochem., Chem. Pathol., Immunol. and Hygiene. For Research students only. (*c*) 6.

11. NORTHAMPTON POLYTECHNIC, St. John St., E.C.1. (*a*) J. E. Richardson, Ph.D., B.Eng. (*b*) Engin. (Civil, Mech., Elec.), Chem., Maths., Metallurgy, Mechanics of Fluids. (*c*) 1080.

12. NORTHERN POLYTECHNIC, Holloway Rd., N.7. (*a*) T. J. Drakeley, D.Sc., Ph.D., F.R.I.C. (*b*) Bot., Chem., Geol., Zool., Maths., Physics. (*c*) 702.

13. ROTHAMSTED EXPERIMENTAL STATION, Harpenden, Herts. *Director*—Sir William Gammie Ogg, M.A. (*b*) Science (in its application to Agric). For Research students only. (*c*) 36.

14. ROYAL ACADEMY OF MUSIC, Marylebone Rd., N.W.1. (*a*) R. S. Thatcher, O.B.E., M.C., M.A., D.Mus. (*b*) All branches of Music, theoretical and practical. (*c*) 22

15. ROYAL COLLEGE OF MUSIC, Prince Consort Rd., S. Kensington, S.W.7. *Director*—Sir George Dyson, M.A., D.Mus. Oxon., LL.D., F.R.C.M., F.R.C.O. (*b*) All Music subjects. (*c*) 14.

16. ROYAL INSTITUTION, 20-21 Albemarle St., W.1. *Director of the Davy-Faraday Research Lab.*—Prof. E. N. da C. Andrade, D.Sc., F.Inst.P., F.R S. (*b*) Phys. For Research students only. (*c*) 6.

17. SIR JOHN CASS COLLEGE, Jewry St., Aldgate, E.C.3. (*a*) A. M. Ward, D.Sc., Ph.D , F.R.I.C. (*b*) Bot., Chem., Maths., Metallurgy, Physics. (*c*) 447.

18. TRINITY COLLEGE OF MUSIC, Mandeville Place, W.1. (*a*) W. Greenhouse Allt, Mus.D. (*b*) All subjects for the Musical and Arts (Music) degrees of London and other Univs (*c*) 41.

19. WEST HAM MUNICIPAL COLLEGE, Romford Rd., Stratford, E.15. (*a*) E. A. Rudge, M.Sc., Ph.D. (*b*) Chem., Engin. (Civil, Elec., Mech.), Maths., Physics. (*c*) 289.

20. WOOLWICH POLYTECHNIC, Thomas St., Woolwich, S.E.18. (*a*) E. Mallett, D.Sc., F.Inst.P. (*b*) Engin. (Elec. and Mech.), Maths., Phys., Chem. (*c*) 601.

NAMES OF RECOGNIZED TEACHERS

Bacteriology

Andrewes, C. H., M.D., F.R.S. (10).
Miles, A. A., M.A., M.B. Camb., F.R.C.P. (10).

Biochemistry

Harington, Sir Charles, Sc.D. Camb., Ph.D. Edin., F.R.S. (10).
Tattersfield, F., D.Sc. (13).

Botany

Barnes, B. F , D.Sc., Ph.D. (3).
Bawden, F. C., M.A. Camb. (13),
Berkeley, C J. A., B.Sc. (3).
Brett, Margaret, M.Sc., Ph.D. (12).
Duerden, H., B.Sc., Ph.D. (3)
Harris, R. V., D.Sc (5).
Mer, C. L., Ph.D. (17).
Muir, A., Ph.D. Edin. (13).
Tubbs, F. R., Ph.D. (5).
Watson, D. J., Ph.D. Camb (13).

Chemistry

Allen, F. L., Ph.D., F.R.I.C. (19).
Crowther, E. M., D.Sc. Leeds, D.I.C. (Soil C.) (13).

Dean, H. K., Ph.D. Liv. (3)
Dippy, J. F. J., D.Sc. Wales (3).
Drakeley, T. J., D.Sc., Ph.D., F.R.I.C. (12).
Garside, J. E , M.Sc. Tech. Manc., Ph.D. (11).
Gerrard, W., M.Sc , Ph.D. (12).
Hebdon, E. A. W., B.Sc. (3).
Houston, A. H. J., M.Sc., Ph.D. (2).
Jeffery, G. H., Ph.D. (20)
Kenyon, J., D.Sc., F.R.I.C. (2).
King, H., D.Sc. Wales, F.R.S. (10).
King, H. J. S., Ph.D., M.Sc. (12).
Lidstone, A. G., M.A. Camb., B.Sc. (17).
Lindsey, A. J., M.C., Ph.D., F.R.I.C. (17)
Roach, W. A., D.Sc., D.I.C. (5).
Rudge, E. A., M.Sc., Ph.D. (19).
Smith, C. G., Ph.D. (12).
Smith, F. W., M.Sc. (12).
Vogel, A. I., D.Sc., D.I.C. (20).
Ward, A. M., D.Sc. (17).
West, R. W., D.Sc., F.R.I.C. (2).

Classics

Handford, S. A., M.A. Oxon. (1).

Cytology

Darlington, C. D., D.Sc., Ph.D. (8).

Education, v. also Music

Bowman, Margaret E., M.A. Camb. (9).
Cant, Mildred, B.A. (9).
Dean, A. E., M.A., M.Litt. Durh. (1).
Dymes, D. M. E., M.A. (1).
Feyer, Dorothy M., B.Sc., M.A., Ph.D. (9).
Kaye, M., M.A., Ph.D. (1).
Silsby, Eleanor, M.Sc. (6).

Engineering, Chemical

Tailby, S. R., Ph.D. (2).

Engin., Civil and Mech.

Ashworth, M. H., B.Sc. Manc. (20).
Brooks, W. H., Ph.D., B.Sc. (Eng.) (11).
Davies, V. C., B.Sc. (Eng.) (2).
Dumbrill, W. E., B.Sc. (Fluids) (11).
Franklin, H. W., M.A. Camb. (11).
Hamilton, K. W., B.Sc. (Eng.) (2).
Oakden, J. C., M.A. Camb., M.Sc. Tech. Manc. (11).
Oliver, H. C., B.Sc. (Eng.) (19).
Peck, W. J., M.Sc. (Eng.) Sheff. (2).
Robertson, S. A., B.Sc. (Eng.), B.Com. (2).
Wilkins, R. J., M.Sc. (Eng.) (11).

Engineering, Electrical

d'Ombrain, G. L., Ph.D. (2).
Freeman, G. F., M.Sc. (Eng.) (19).
Mallett, E., D.Sc. (Eng.) (20).
Mann, H. C., B.Sc. (Eng.) (2).
Spencer, W. G., M.Sc. Tech. Manc. (20)
Tait, J. S., Ph.D. Glas., B.Sc. (Eng.) (11).

English

Evans, M., Ph.D. Camb. (1).

Entomology

Massee, A. M., D.Sc. (5).
Williams, C. B., M A , Sc.D. Camb. (13).
Potter, C., D.Sc. (13).

Estate Management

Adkin, B. C., M.A Camb., B Sc. (Agric. and Forestry) (4).
Beaufoy, L. A., Ph.D. (4).
Gumbrell, L. B. (Sanitation) (4).
Lawrance, D M., B Sc. (English Law relating to Land) (4).
Smith, J. F. G., F.R.I.B.A. (Construction of Buildings) (4).

Genetics

Crane, M. B. (8).
Lewis, D., B.Sc. Reading, Ph.D. (8).

Geography

Cons, G. J., M.A. (1).

Geology

Fleet, W. F., M.Sc., Ph.D. (3).
Jones, F., Ph.D., M.Sc. (12).

History

Ridout, E. S. F., M.A. Camb., B.A. Dub., L. ès L. Lille, Ph.D. (1).

Horticulture

Rogers, W. S., M.A. Camb., Ph.D. (5).

Mathematics

Church, A. E. R., M.A., D.Sc. (3).
Geary, A., M.A Camb., M.Sc. (11).
Hayden, H. A., B.Sc. Wales, D.Sc. (2).
Littlejohn, E. S , M.Sc. Manc. (19).
Lowry, H. V., M A. Camb. (20).
Ludlam, A. E , M Sc. Birm. (3).
Martin, E. S , B.Sc , Ph.D. (12).
Rosenberg, Reuben Louis, Ph.D. Berlin (3).

Metallurgy

Derry, L. W., B.Sc. Birm., M.Sc. Tech. Manc. (2).
Naish, W. A., B.Sc., Ph.D., F R I.C. (2).
Singlehurst-Ward, L., B.Sc. (Eng.) Birm. (17).

Music

Brockless, G. F., Mus.D. Durh., F.R.C.O. (2).
Coates, H. J., M.A. Camb., Ph.D. (18).
Dunwell, W., B.A. Leeds, Mus.B. Durh., F.R.C.O. (18).
Durrant, F. T., B.Mus. Durh., D.Mus. (14).
Howells, H. N., D.Mus. Oxon., F.R.C.O. (15).
Jacob, G., D.Mus. (15).
Latham, P. M. S., M.A., B.Mus. Oxon. (14).
Lovelock, W., D.Mus. (18).
Moule-Evans, D., D.Mus. Oxon. (15).
Oldroyd, G., D.Mus. (18).
Orrey, L. G., Mus.B. Durh., F.R.C.O. (1).
Regan, L. W. A., B.Mus. Oxon., F.R.C.O. (14).
Rowley, A., F.R.C.O. (18).
Sowerbutts, J. A., B Mus., F.R.C.O. (14).
Thiman, E. H., D.Mus. (14).
Webber, W. S. L., D.Mus., F.R.C.O. (15).

Pedagogy, v. Education

Pharmacy and Pharmacognosy

Morton, C., B.Sc. Lond. (10).

Physics

Andrade, E. N. da C , Ph.D. Heid., D.Sc., F.R.S. (16).
Bate, A. E., Ph.D., M.Sc. (12)
Freeman, L. J., B.Sc., Ph D , D.I.C. (10).
George, W. H., M.Sc., Ph.D. (10).
Humphry, R. H., M.Sc. Birm., F.Inst.P. (9).
Marsh, S., D.Sc. Wales, Ph.D. Gött. (2).
Schofield, R. K., Ph.D. Camb. (13).
Smith, D. H., Ph.D. (12).
Swaine, W., B.Sc. Manc. (11).
Symons, A. S. M , B Sc , Ph.D , D.I.C. (7).

Plant Physiology

Vyvyan, M. C., M A. Camb. (5).

Semitic Languages

Epstein, I., D.Lit., Ph.D. (7).
Zimmels, H. J., D.Phil. Vienna (7).

Soil Bacteriology

Thornton, H. G., B.A. Oxon , D.Sc. (13).

Statistics

Hoblyn, T. N. (5).
Yates, F., M.A. Camb. (13).

Zoology

Brown, Eleanor M., B.Sc. (3).
Butler, C. G., Ph.D. Camb. (13).
Etherington, D., M.Sc. (12).
Goodey, T., O.B.E., D.Sc. Birm., F.R.S. (13).
Hentschel, C. C., M.Sc. (3).
Potter, C., D.Sc. (13).

VICTORIA UNIVERSITY OF MANCHESTER

Founded 1880

VISITOR—H.M. THE KING IN COUNCIL.

CHANCELLOR—The Rt. Hon. LORD WOOLTON OF LIVERPOOL, P.C., C.H., D.L., M.A., B.Sc., LL.D.

VICE-CHANCELLOR—Prof Sir JOHN STOPFORD, Sc D. Dub., D Sc Leeds, M.D., F.R C.P , F.R.S.

DEPUTY VICE-CHANCELLOR—.....

PRO-VICE-CHANCELLORS—Prof. W. H SEMPLE, M.A. Belf , Ph D Camb , M.A. ; Prof. P. M. S. BLACKETT, M.A. Camb , D.Sc. Delhi and Reading, Dr. de Strasbourg, M.Sc., F.R.S.

CHAIRMAN OF COUNCIL—The Rt. Hon. LORD SIMON OF WYTHENSHAWE, OF DIDSBURY, M.A. Camb., LL.D.

TREASURER—Sir W. CLARE LEES, Bt., O.B E., J.P., LL D

JOINT REGISTRARS (until Feb. 29, 1952)—W. MANSFIELD COOPER, LL.M. ; V. KNOWLES, M.A.

REGISTRAR (from March 1, 1952)—V. KNOWLES, M.A.

BURSAR—G. W. KAYE, M.A.

LIBRARIAN—M. TYSON, M.A., Ph.D.

Telephone: Manchester, Ardwick 2681.

TEACHING STAFF

Accounting

Wilkinson, R. H. E., F.C.A. Lectr.

Murphy, G. W., B.A. (Com.), F.C.A. Lectr.

Jones, M. Wheatley, B.Com. Asst. Lectr.

Adult Education, v. *infra*, Education

American Studies

..... Prof.

Cunliffe, M. F., M.A., B.Litt. Oxon. Lectr.

Anatomy and Histology

Mitchell, G. A. G., O.B.E., M.B., Ch.M. Aberd., F.S.A. Scot. Prof. and Dir. of the Labs.

Cooper, Eugenia R. A., D.Sc., M D. (Histol.) Reader.

Lecturers

Patterson, E. L., B.Sc., M D. (Anat.).

Jefferson, Sir G., C.B.E., M.S. Lond., M.Ch. Dub., LL.D. Glas., M.Sc., F.R.C.P., F.R.C.S., F.A.C.S., F.R.F.P.S., F.R.S. (App. Anat.).

Platt, Sir Harry, M.S. Lond., M.D., F.R.C.S., F.A.C.S. (App. Anat.).

Gray, E. D. (v. also *Radiology*) (Radiol. Anat.).

Monks, F. T. (v. also *Dentistry*) (Dent. Anat. and Physiol. and Dent Histol).
Warwick, R , B Sc , M.B., Ch B Asst Lectr.
Howarth, F., M.D , D.P.M. Asst. Lectr
Doran, F S. A., M.D. Camb , F R C S. Clin Demr
Williams, A F., B.Sc , M B , Ch B , F R C S Clin Demr
Ollerenshaw, R G W , M A , B.M , B Ch Oxon Clin Demr.
Mulliner, G. N. L., M B , Ch.B. Demr.

Anthropology, v. Social Anthropology

Arabic, v Semitic Languages

Architecture
Cordingley, R A., M A., F.R I.B A. Prof and Dir of School

Lecturers
Nunn, J. P., B A., Dip.T.P , F R I B.A
Howarth, T., Ph D. Glas.
Arschavir, A., M.A , Dip.T.P.
Little, M. E., B.A.
Marsden, T. L , B.A , Dip.T.P.
Thornley, D G., B A.
Singleton, W. A , M A , B.Arch. Liv., Ph.D , Dip.T P.
Ledgar, F W., Dip.T P. (Town and Country Planning).
Easton, H. C., T.D., M A. Oxon., LL B (Town Planning Law).
Howcroft, G. B., M C., M.A., F.R.I.B A. (Professional Practice).
Johnson, Albert, 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).
Turner, R. B., Dip.Arch., Dip.T.P. (Arch. for Town Planning).

Asst. Lectrs.
Altham, C. J., Dip.Arch.
Buttle, D., Dip.Arch., Dip.T.P.
Fenter, D. G., B.A.
Malpass, J. C. L. (Life Drawing) Sp. Instr.

Art, History of
Sewter, A. C., B.Sc. (Econ.) Lond. Sr Lectr.

Banking
..... Drummond-Fraser Lectr.

Botany
Harland, S. C., D.Sc Lond , F R S George Harrison Prof. and Director of Bot. Labs. and Experimental Grounds
Wardlaw, C. W , Ph.D., D.Sc. Glas., M.Sc. (Cryptogamic B.) Barker Prof.
Howarth, W. O., D Sc Sr. Lectr.
Warne, L G. G , M Sc., Ph.D. Brist. (Hortic.) Sr. Lectr.
Greig-Smith, P., M A. Camb. Lectr.
Street, H. E., B.Sc., Ph.D. Lond. Lectr.
Dormer, K. J , B Sc , Ph.D. Lond. Lectr.
Allsopp, A., M.Sc., Ph.D. (Cryptogamic B.) Lectr.
Lind, Edna M., B.Sc., Ph.D. Liv. Sp. Lectr.
Bentley, Joyce A., M.Sc. Asst. Lectr.
Swaffer, A., B.A. Camb. Asst. Lectr.
McGonagle, Moira P., B.Sc., Ph.D. Glas. Asst. Lectr.
Carr, D. J., B.Sc. Asst. Lectr.
Legge, Betty J., B.Sc. Birm. (Mycology) Asst. Lectr.
Curry, J., M.D. (Dermatological Mycol.) Asst. Lectr.
Harris, G. P., B.Sc. Hort. Lond. (Econ. B.) Asst. Lectr.

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.

Evans, M. G., D.Sc., F.R.S. (Phys. Chem.) Prof.
Fairbrother, F., D.Sc. (Inorg. Chem.) Reader.
Campbell, C., D.Sc. Sr. Lectr. and Asst. Dir. of Chem. Labs.
Burkhardt, G. N., M.Sc., Ph.D., F.R.I.C. Sr. Lectr.
Evans, A. G., D.Sc. Sr. Lectr.
Koch, H. P., B.Sc., Ph.D. Lond. Sr. Lectr.

Lecturers

Henry, D. C., M.A. Camb.
Herbert, J. B. M., M.Sc.
Quibell, T. H. H., M A., Ph.D. Camb.
Warhurst, E., M.Sc , Ph.D.
Barker, G. R., B.Sc., Ph.D. Lond
Skinner, H A., B.A., B.Sc., D.Phil. Oxon.
Henbest, H. B., B.Sc., Ph.D. Lond., D.I.C.
Halsall, T. G., M.Sc., Ph.D.
Baxendale, J. H., M.Sc.
Whiting, M. C., B.Sc , Ph.D. Lond.
Longuet-Higgins, H C., M.A , D.Phil. Oxon. (Theoret. Chem.).
Simpson, J. C. E., D.Sc , Ph.D. Liv. (Org. Chem.) Hon. Sp. Lectr.

Asst. Lectrs.

Higginson, W. C. E , M.A., D.Phil Oxon.
Hush, N. S., M.Sc. Syd.
Farrar, Kathleen R., B.Sc., Ph.D. Lond. Demr.

Chinese

..... Reader.

Classics, v. also Theol.

Westlake, H. D., M.A. Camb. (Greek) Hulme Prof.
Semple, W. H., M.A. Belf. and Manc., Ph.D. Camb. (Latin) Hulme Prof.
Husband, Jeanie, B.A. Liv. (Greek) Sr. Lectr.
Zuntz, G., Dr.phil. Marburg (Hellenistic Greek) Sr. Lectr.
Davison, J. A., T.D., M.A. Oxon. Sr. Lectr
Skutch, Otto, Ph.D Göttingen (Latin) Sr. Lectr.

Lecturers

Marlow, A. N., M.A. Lond.
Guite, H. F., B.A. Lond. (Latin).
Knowles, V., M.A. Sp. Lectr

Asst. Lecturers

Booth, N. B., M A. Camb.
Herington, C. J., B.A. Oxon.
Lambert, J C., B A. Camb.
Leahy, D. M., M.A. Oxon.
Wilson, A. J. N , M.A., D.Phil. Oxon.

Crystallography

Buckley, H. E., D Sc. Sr. Lectr

Dentistry, v. *infra*

Economics and Commerce, v. also Acctg., Banking, Law, Social Studies, Social Anthropol. and Gov. and Admin.

Lewis, W. A., B.Com., Ph.D. Lond. (Pol. Econ.) Stanley Jevons Prof.
Redford, A., M.A., Ph.D. (Econ. Hist.) Prof.
Devons, E., M.A. (App. Econs.) Robert Ottley Prof.
..... (Econ. Theory) Prof.
Mars, J., M.A. Brist., Dr. rer. pol. Vienna, M.Com. Birm., B.Litt. Oxon. (Econs.) Reader.
Willan, T. S , M.A., B.Litt., D.Phil. Oxon. (Hist.) Reader.
Martin, K., M.A. Oxon., Ph.D. Frankfurt (Internat. Econs.) Sr. Lectr.
Chaloner, W. H., M.A., Ph.D. (Mod. Econ. Hist.) Sr. Lectr.
Henderson, W. O., M.A. Camb., Ph.D. Lond. (Internat. Econ. Hist.) Sr. Lectr.

Lomax, K. S., B.Sc., M.A. (Admin.) (Econ. Stat.) Lectr.
Turner, H. A. F., B.Sc. (Econ.) Lond. (Indust. Relns.) Lectr.
Hahn, Dorothy, B.Sc. (Econ.) Lond. (Econs.) Asst. Lectr.
Coppock, D. J., B A. Econ. Asst Lectr.
Morton, G., B.Sc. (Econ.) Lond (Econ. Stat.) Asst. Lectr.

Education, v. *infra*

Education of the Deaf, v. *infra*, Education (p. 325)

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 Elec. Engin. Labs.
Gerrard, H., M.Sc., F I.P. Sr. Lectr.
Higham, J., M.Sc.
Lectr. and Asst. Dir. of Labs.
Piggott, L. S., M.Sc. (Eng.) Lond. Lectr.
Litting, C. N. W., B.Sc. Lectr.
West, J. C., B.Sc. Lectr.
Havekin, T., Ph.D. Birm., B.Sc. Sp. Lectr.

Demonstrators

Rawlinson, E., B.Sc.
Harlan, F., B.Sc. Sheff.

Electro-Chemistry, v. Technol.

Engineering, v. also Technol.

Matheson, J. L., Ph.D. Birm., M.Sc.
Beyer Prof. and Dir. of Whitworth Labs.
Mason, C. M., T.D., M.Sc.
Clifton Sr. Lectr. and Asst. Dir. of Engin. Labs.

Lecturers

Mathieson, R., B.Sc. Lond., Ph.D. Glas.
Spooner, J. R., M.Sc. Tech.
Standing, B., M.Sc.
Buckingham, F., B.Sc. Lond. Sp. Lectr.

Assistant Lecturers

Alderman, J. K., B.Sc.
O'Sullivan, J. K., B.Sc.
Allen, J., M.Sc., Ph D
Edwards, F. J , B Sc
Livesley, R. K., B A. Camb. (Maths. and Eng.) Demr.

English Language and Lit.

Charlton, H. B., 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.) Smith Prof.
Wright, J. D., M.A. (E. Lit.) Sr. Lectr.
Jump, J. D., M A. Liv. (E. Lit.). Sr. Lectr.
Harmer, Florence E., M.A. Camb., B.A. Lond. Sr. Lectr.

Lecturers

Gordon, 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.).

Asst. Lecturers

Oliver, Annabella M., B.A. Oxon., M.A. Edin.
Osbourn, R. V., M.C., M.A.
Bailes, J. Ll., M.A. Leeds.
Hanson, C., M.A. Sheff.
Pollard, A., B.A. Leeds.

Fluid Motion

Mair, W. A., M.A. Camb. Director of Lab.
Attree, V. H., B.Sc. (Eng.) Lond. Lectr.

French Studies, v. also Romance Philol.

Vinaver, E , M.A., B Litt. Oxon., D. ès L Paris, M A (Fr. Lang. and Lit) Prof.
Crump, Phyllis E., M.A. Lond. and Manc. Sr. Lectr.
Marks, J., M.A. Sr. Lectr.
Whitehead, F., M.A., D.Phil Oxon. Sr. Lectr.

Lecturers

Niklaus, R., B.A., Ph.D. Lond., L. ès L. Lille.
Lehmann, A. G., M.A., D.Phil Oxon.
Sutcliffe, F. E., M.A.
Lyons, Marianne F., M A. Oxon , D. de l'U. Paris.
Diverres, A. H., M.A. Wales, L. ès L. Rennes, D. de l'U Paris.
Bourde, A. J., L. ès L., Dip. d'E.S. Aix-Marseille (Fr. Hist. and Institutions).
Sfeir, J. C., L. ès L., Dip d'E S. Paris, M.A. (Fr. Poetry) Sp. Lectr
Blum, J. P. I. A., L. ès L., Dip. d'E.S. Paris (Hist. of Fr. Thought) Sp. Lectr.
Chiari, J., L. ès L., Dip. d'E.S. Aix-Marseille Sp. Lectr.

Asst. Lecturers

Gautier, J. M. H., M.A., D. de l'U. Paris.
Saunders, F. W., M.A.
Young, Margaret L. M., M.A. St. And.
Evans, H. G. J., B.A., Ph.D. Lond.

Assistants

Pinoteau, Henriette J., L. ès L., Dip. d'E.S. Paris.
Gaudon, J. A. M., L. ès L. Paris.
Moreau, M. P. J., L. ès L. Poitiers.

Geography

..... Prof.
Freeman, T. W., M.A. Leeds and Dub. (Econ. Geog.) Reader.
Sylvester, Dorothy, M.A. Liv. Sr. Lectr.
Pye, N., B.A. Lectr
Brice, W. C., M.A. Oxon. Lectr

Asst. Lecturers

Rodgers, H. B., B.A.
Mellor, R E. H , B A

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
Morton, E , M Sc (App. Geol) Sp Lectr.

Asst. Lecturers

Griffiths, D. H., B.Sc.
Lawson, J. D , B.Sc
Whitaker, J. H. McD., B A. Camb , B.Sc. Lond., F G.S.
Nicholls, G. D., B.A., Ph.D Camb

German Lang. and Lit.

Peacock, R., M.A. Leeds, Ph.D. Marburg, M A. Henry Simon Prof.
King, K. C., B.A. Oxon., Ph.D. Lond. Lectr.
Flack, G., B.A. Leeds, Ph.D. Lectr.
Luke, F. D., M.A., D.Phil. Oxon. Lectr.
Rohl, Freda K., B.A. Lond. Sp. Lectr.

Asst. Lecturers

Jacobs, Margaret, B.A. Oxon.
Kerry, S. S., B.A.
Russell, Zoë L., M.A. Glas.
Schmetz, Charlotte M. Asst.

Government and Administration

Mackenzie, W. J. M., M.A. Oxon., LL.B. Edin. Prof.
Collier, Frances, M.A. (Soc. Admin.) Reader.
Spann, R. N., M.A. Oxon. (Govt.) Lectr.
Grundy, J., B.A., B.A. Admin. (Govt.) Lectr.

Rodgers, Barbara N., M.A. Oxon. (Soc. Admin.) Lectr
Rodgers, A. B. L., B.Sc. (Econ.) Lond. (Soc. Admin.) Lectr.
Birch, A. H., B.Sc. (Econ.) Lond. (Govt.) Asst. Lectr.
Campbell, P. W., B.A. Oxon. (Govt.) Asst. Lectr
Arnfield, Mary M., B.A. Admin. (Soc. Admin.) Asst. Lectr.

Hebrew, v. Theol. — Semitic Langs.

Histology, v. Anat., Physiol., Pathol.

History, v. also Econ., Theol.

Atkinson, D., B.A. Oxon., M.A. (Ancient H.) Prof.
Namier, L B, M A. Oxon, M A, F B A (Mod H) Prof
Cheney, C R, M.A Oxon., M A. (Mediæval H.) Prof.
Redford, A., M A, Ph.D. (Econ. H.) Prof.
Willan, T. S, M.A., B.Litt., D.Phil. Oxon. Reader.
Dugmore, Rev. C. W., M.A., B.D. Oxon (Eccles. H) Bishop Fraser Sr. Lectr.
Roskell, J S., D.Phil Oxon, M.A. Sr. Lectr.
Chaloner, W. H., M.A., Ph.D. (Mod. Econ H.) Sr Lectr.
Henderson, W. O., M.A Camb., Ph D. Lond. (Internat. Econ. Hist.) Sr. Lectr.
Tupling, G H., M.A., B Sc., Ph.D. Lond. (Local H.) Sp Lectr.

Lecturers

Robson, E., M A
Cox, Marjorie D., M.A. Camb., M.A.
Pennington, D. H., M.A. Oxon.
Tomkinson, A., M.A. Oxon.
Hodges, Frances M., B.A.
Rodewald, C. A., M.A. Oxon.
Bourde, A. J., L. ès L., Dip. d'E.S. Aix-Marseille (Fr. Hist. and Institutions).
Lloyd-Prichard, Muriel F., M.A. Wales, Ph D. Camb. (Soc. Hist.).

Asst. Lecturers

Hargreaves, J. D., M.A.
Stone, E., M.A. Oxon
Sykes, Marjorie H., M.A. Oxon., B.D., Ph.D.
Desborough, V. R. d'A., B.A., B.Litt. Oxon.
Ward, W. R., B.A. Oxon.

Horticulture, v. Botany

Industrial Psychology, v. Psychology

Italian

..... Prof.
Speight, Kathleen, M Litt. Camb., Dott. Lett. Florence, M.A. Sr. Lectr.
Faggioli-Pavolini, Paola, Dott Lett. Florence Asst. Lectr.
McCormick, C. A, B.A. Camb. Asst. Lectr.

Law

Eastwood, R. A., LL.D. (English Law) Prof.
Wortley, B. A, O.B.E., LL.M. Leeds, LL.D. (Jurisprud. and Internatl. L.) Prof.
Cooper, W. Mansfield, LL.M. (Industr and Commercial L.) Prof.

Lecturers

Blank, D., LL.B.
Bromley, P. M., M.A. Oxon.
Hesling, Edith, LL.B.
Hornby, J. A., M.A., LL.B. Camb.
Shepherd, F. C., LL.B.
Towns, F. W., LL.M.
Street, H., LL.M. (Lectr. and Tutor for Articled Clerks).
Driver, J. E., LL.M. (Roman L.) Hon. Lectr.
Sidebotham, H., LL.M. Asst. Lectr.

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. (App. M.) Beyer Prof.

Bartlett, M. S., M.A. Camb., D.Sc. Lond. (Mathl. Statistics) Prof.

Mahler, K., Ph.D. Frankfurt-am-Main, D.Sc , F.R.S. Reader.

Ward, G N., M.A. Camb. Sr. Lectr.

Lecturers

Camm, G. L., M.A., D.Phil. Oxon.

Illingworth, C. R., B.A. Camb.

Friedlander, F. G., B.A., Ph.D. Camb.

Ledermann, W., D.Sc. Edin., Ph D. St. And

Higman, G., M.A., D.Phil. Oxon.

Hopkins, H. G., M.Sc. Lond.

Reuter, G. E. H., M.A. Camb.

Neumann, B. H., Dr phil. Berlin, Ph.D. Camb.

Stone, A. H , M.A. Camb., Ph.D. Princet.

Wild, E., M.A. Camb.

Cassels, J. W. S., M.A. Edin., Ph.D. Camb.

Moyal, J. E. (Mathl. Statistics).

Asst. Lecturers

Jones, D. S., M.B.E., B.A. Oxon.

Hilton, P. J., M.A. Oxon.

Kahn, F. D., M.A., D.Phil. Oxon.

Wall, G. E., B.Sc. Adel

Livesley, R. K., B A. Camb. (Maths. and Engin.) Demr.

Walker, A. M., B.A. Camb. (Mathl. Statistics) Res. Asst.

Medicine, v. *infra*

Mesopotamian Studies, v. *infra*, Semitic Languages, Theology

Metallurgy and Metallography, v. also Technol.

Thompson, F. C., B.Sc. Lond., D.Met. Sheff., M.Sc. Prof. and Dir. of Labs.

Jones, E. O., B.Sc. Lond. (Non-Ferrous Metall.) Lectr.

Mobey, F., B.Sc. (Electro-Metall.) Lectr.

Entwistle, K. M., M.Sc., Ph.D. Lectr.

Cranston, J. P., B.Sc. Glas Asst. Lectr.

Military Organization and Tactics

..... Hon. Lectr.

Music

Procter-Gregg, H., B A., Mus.B. Camb Reader

Forbes, R J., C.B E., F.R C.M Sp Lectr.

Dawber, H. M., F.R.C.O. Sp. Lectr.

Aitchison, M., B.A , Mus.B Camb. Lectr.

Horsfall, B., Mus.B. Durh., Mus.D. Asst. Lectr.

Knowles, C. Asst. 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 Asst. Lectr.

Physical Education, v. *infra*, Education

Physics, v. also Elect. Engin. and Technol.

Blackett, P. M. S., M.A. Camb., D.Sc. Delhi and Reading, Dr. de Strasbourg, M.Sc., F.R.S., Nobel Laureate. Langworthy Prof. and Dir. of Phys. Labs.

Rosenfeld, L., Ph.D. Liège (Theoret. Phys.) Prof.
Lovell, A. C. B., O.B.E., B.Sc., Ph.D. Brist., F.I.P. Reader.
Henry, D. C., M.A. Camb. (Colloid Phys.) Reader.
Gilbert, C. W., M.A , Ph.D. Camb. Hon. Reader

Sr Lecturers

Nuttall, J. M., D.Sc., F.I.P. Asst. Dir. of Phys. Labs
Braddick, H. J. J., B.A., Ph.D Camb.
Wilson, J. G., M.A., Ph.D. Camb , F.I.P.
Rochester, G. D., M.Sc., Ph.D. Durh , F I.P

Lecturers

Butler, C. C., B.Sc., Ph.D. Reading.
Clegg, J. A., B.Sc., Ph.D.
Owen, B G , B Sc Wales.
Elliot, H., M Sc., Ph D
Newth, J. A , B.A. Camb., B.Sc. Lond.
Davies, J. G , B A. Camb.
Sutherland, G A., M A. Camb. Sp. Lectr.
Meredith, W. J., M.Sc., F.I.P. (Radiol. Phys.) Hon Lectr.

Assistant Lecturers

Astbury, J. P., M.A. Camb., M.Sc.
Hodson, A. L., M.Sc
Holmes, J. E R , B.Sc. Birm.
Hyams, B. D , B.Sc , Chicago.
Page, Nora, M.Sc., Ph.D.
Goldsack, S. J., B.Sc Durh.
Maddox, J. R., B.A. Oxon. (Theoret. Phys.).

Physiology

Schlapp, W., M.B., Ch.B., B.Sc., Ph.D. Edin., M.Sc. Brackenbury Prof. and Director of the Labs.
Raper, H. S., C.B.E., D.Sc., LL.D., M.B., Ch.B. Leeds, M.Sc., F.R.C.P., F.R.S. (Chem. Physiol.) Prof.
Kendal, L. P., Ph.D. Camb., M Sc. (Physiol. Chem.) Lectr.
Morgan Jones, A., M.Sc., M.B., Ch.B., F.R.C.P. (App. P.) Lectr.
Griffiths, D. Ll., M.B.E., B.Sc., M.B., Ch.B., F.R.C S. (App. P.) Hon. Asst. Lectr.
Stanbury, S. W., M.B., Ch.B (App. P) Asst. Lectr.
Milne, M. D., B.Sc., M.B., Ch.B. (App. P.) Asst. Lectr

Demonstrators

Holmes, R., M Sc.
West, Betty, B Sc. Lond.
Oleesky, S., B.Sc., M.B., Ch.B. (Human Phys).
Crick, Joan, M.Sc (Chem. Physiol.).
Bradley, K., M.Sc. (Exp. P.).
Walker, A. G., B.Sc., M.B., Ch.B. (Exp. P.).

Psychology

Pear, T. H., B Sc. Lond., M.A. Prof.
MacNeill, Florence E., M.A., B.Ed., Ph.D. Edin. Lectr.
Jahoda, G., M.Sc. (Econ.) Lond. (Soc. Psych.) Lectr.
Kitching, E. H., M.D. Leeds, D.P.M., F.R.C.P. Sp. Lectr.
Hansel, C. E. M., B.A. Camb. Asst. Lectr.

Romance Philology

Reid, T. B. W., M.A., LL.B. Dub., L. ès L. Montpellier, M.A. Prof.

Russian Studies

Dobrin, S., LL.M. St. Petersburg Sir William Mather Prof.
Davies, Duklida, B.A. Moscow Asst. Lectr.
Dumbreck, J. C., M.A. Glas. Asst. Lectr.
Jonas, Mini M. Asst.

Semitic Languages, v. also Theol.
Rowley, Rev. H. H., M.A. Brist., B.Litt. Oxon, D.D. Lond., Durh. and Wales, Theol. D. Uppsala, M A, F B A. (Hebrew Lang. and Lit.) Prof
Fish, T, Ph.D. Camb. (Mesopotamian Studies) Prof.
Robson, Rev. J., M.A, D.Litt. Glas, D.D St. And. (Arabic) Prof
Weis, P. R., L. en Phil et Hist Or. Louvain, M.A. (Post-Biblical Jewish Studies) Laski Lectr.
Wallenstein, M., M.A., Ph.D. (Med and Mod Hebrew) Lectr.
Gray, Rev. J., M.A., B.D., Ph.D Edin. Lectr.
Meguid, A. A. A., B.A. Lond., Ph.D. Cairo (Arabic) Sp. Lectr.

Social Anthropology
Gluckman, H. M, B.A. Rand, D.Phil. Oxon. Prof.
Turner, V. W., B.A. Lond. Asst

Social Studies
Polanyi, M., D.Sc. Princeton and Leeds, M.D., Ph.D. Budapest, M.Sc., F.R.S. Prof.

Spanish
Rees, J. W., M.A. Oxon., B.A. Wales Reader.
Meana, L., Ldo. en L., Dr. de la Univ. Madrid Lectr.
Tapp, Florence M. M., M.A. Edin. Lectr.
Raventós, Margaret H., M.A. Edin. Sp. Lectr.
Tate, R. B., B.A. Belf. Asst. Lectr.
Wilson, Winifred M. D., M.A. Camb. Asst. Lectr.
Álvarez, R. M., Ldo. en L. Valladolid Asst.

Technology, v. *infra*

Theology, v. *infra*

Town and Country Planning, v. Architecture

Zoology
Cannon, H. Graham, 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. (Exper Zool) Prof.
..... (Genetics) Reader.
Brown, F. J, M.Sc Birm. Sr. Lectr. and Asst. Dir. of Labs.
Butler, P. M, B A, Ph D. Camb., B.Sc. Lond. Lectr.
Popham, E. J, D Sc. Lond. Lectr.
Iles, E. J., B.Sc., Ph D Brist. Lectr

Asst. Lecturers
Blower, J G, M Sc
Gilbert, O. J. W., B Sc.
Swaffer, A., B.A Camb.
Sewell, Marguerite T, B Sc

Demonstrators
Peel, Edna D, B Sc.
MacGill, Elsie I., M.Sc.

Medicine

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

Anæsthesia
Brennan, H. J., M.D., D.A. Lectr. and Dir. of Sub-Dept.

Clin. Tutors
Begg, Elsie C., M.B., Ch.B.
Pinson, K B., M.B., Ch.B. Birm., D.A.
Sykes, C. E, M.B., Ch.B., D.A.
Dinsdale, T., M.B., Ch.B., D.A.
Hunter, A. R., M.D., F.R.F.P.S. Glas., D.A.
Marson, E. A., M.B., Ch.B., D.A.

Bacteriology
Maitland, H. B., M.D.Tor., M.Sc. Prof. and Dir. of Dept.

Evans, D. G., D.Sc. (Chem. Bacteriol) Reader
Fairbrother, R W., D.Sc., M.D., F.R.C.P. Sp. Lectr.
Cayton, H R , M.B., Ch B. Edin. Lectr.
Tobin, J. J. W O'H., M.A., B.M., B.Ch. Oxon , Dip Bact. Lectr

Asst Lecturers

Harper, J., M.B , Ch B. Glas., Dip Bact.
Perkins, F T , M Sc., Ph D. (Chem. Bacteriol).
Glason, Barbara M., B.Sc. Reading, Dip. Bact. Demr.

Child Health

Gaisford, W. F , M D. Lond , 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, 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.
Wolman, B , M B., Ch B , D C H. Asst. Lectr
Mackay, R. I., B.Sc , M.B , Ch.B , D C.H Clin. Tutor

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.

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.

Medical 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.
Bramwell, J. C., M.A. Camb , M.D., F.R.C.P. (Cardiology) Prof. and Dir. of Dept.
Wilkinson, J. F., M.Sc., M.D., Ph.D , F.R.C.P., F.R.I.C. (Hæmatology) Reader and Dir of Sub-Dept

Lecturers

Holmes, A. H., M.D., F.R.C.P.
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.
Black, D. A. K., B.Sc., M.D. St. And.
Don, C S.D , M.D Aberd., F.R.C P.
Howat, H. T., M.B., Ch.B. St. And., F.R.C.P.
Luxton, R. W., B.Sc., M.D. (Med. for Dental Students). Lectr. and Clin. Lectr.
Morgan Jones, A., M.Sc., M.B., Ch.B., F.R.C.P. (Cardiology) Clin. Lectr. and Dep. Director of Cardiol. Dept.
Israëls, M. C. G., M.Sc., M.D., F.R.C.P. (Hæmatology) Lectr. and Asst. Director of Hæmatol. Sub-Dept.
Cowan, J., M.B., Ch.B. (Physio-Therap.).

Kellgren, J. H , M.B., B.S. Lond., F.R.C.S.
Clin. Director of Rheumatism Research Centre and Reader in Rheumatic Disease.
Ellis, R , M.D., F.R.C.P.
Hon. Clin. Lectr.
Wade, H. J., B.Sc., M.D
Hon. Clin. Lectr.
Stratton, F., B.Sc., M.D., D.P H. (Human Serology) Sp. Lectr.
Makinson, D. H., M A., M.B , B.Chir. Camb. (Occupational Cardiol.) Asst. Lectr.
Roscoe, Margaret H., B.Sc., Ph.D. Lond., M.B , Ch.B.
Res Asst
Stanbury, S. W , 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.

Neurology, Experimental

Stopford, Sir John, Sc D. Dub., D.Sc. Leeds, M.D., F.R.C.P., F.R.S. Prof.

Obstetrics and Gynæcology

Morris, W. I. C., M.B., Ch.B., F.R.C.S.Ed., F.R.C.O.G.
Prof. and Dir. of Dept.
..... Reader.

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.
Langley, F. A., M.Sc., M.B., Ch.B. (Gynæcol. Pathol.).
Hain, Annie M., M.A., Ph.D , D.Sc. Edin. (Gynæcol. Endocrinology).

Asst. Lecturers

Rickards, C. E. B., M.B., Ch.B.
Racker, D. C., M B , Ch B , F.R.C.S Ed., F R.C.O.G
Woodcock, A S , M B , Ch.B. Leeds (Gynæcol. Pathol.).

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.
Wyatt, S., D Sc., M.Ed
Logan, R F. L., M.D Belf.
Makinson, D. H., M.A., M.B., B.Chir. Camb (Occup. Cardiol.) Asst. Lectr.
Goodman, Nancy M., B Sc. Lond. Res. Asst.
Sykes, Florence C., M.B.E., D.S.S. Leeds (Indust. Nursing) Tutor.

Ophthalmology

Duthie, O. M., M.D., F.R.C.S. Reader.
Stanworth, A., B.Sc., M.B., Ch.B. Sheff., D.O.M.S. Lectr.
Naylor, E. J., M.Sc. Tech. (Ophthalmic Optics) Res. Asst.

Otolaryngology, v. *infra*, Surgery

Pathology and Path. Anat., v. also Obstetrics and Gynæcology and Surgery

Baker, S. L., Ph.D., D.P.H. Lond., M.Sc. (Pathol. Director of Rheumatism Research Centre) (Osteo-Pathol.) Prof.

Campbell, A. C. P., M.B., Ch B. Edin., F.R.C.P.Ed. (Pathol. and P. Anat.) Proctor Prof.
Whitehead, R., D.Sc., M.D. Reader.

Lecturers

Wainwright, J., B.Sc , M.B., Ch.B. Sheff.
Varley, H., M.Sc. (Chem. Path.).
Pollak, E., M.D. Vienna (Neuro-Pathol)
Langley, F. A., M.Sc , M.B., Ch.B. (Gynæcol. Pathol.).
Davson, J , M.B., B S. Lond. Hon Sp Lectr.

Asst. Lecturers

Jackson, S. H., B.Sc., M.B., Ch.B.
Woodcock, A. S., M.B., Ch B Leeds (Gynæcol. Pathol.).

Demonstrators

Harvey, P. W., M.B., Ch.B.
Yates, P. O , M B., Ch.B
Daber, K. S., M.B., Ch.B.
Smith, J P , M.B., Ch.B.
Husdan, H., B Sc. Lond (Chem. Pathol)

Pharmacology, Mat. Med., Therapeutics and Pharmacy

Macdonald, A. D., M.A., M.D. Edin., M.Sc. (Pharmacol.) 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.
Roberts, Ivy, M.Sc. (Pharmacy) Lectr.
Melville, C., B.Pharm. Lond., Ph.D. (Pharmacy) Lectr.
Bedford, T. H. B., M.Sc., M.B., Ch.B. Leeds, D.Sc. (Pharmacol.) Lectr.
Jackson, H., M.Sc., M.B., Ch.B., Ph.D. (Exper. and Radiation Therapeutics) Hon. Lectr.
Rigby, G. J., B.Sc. Lond., M.Sc., Dip. Bact. (Pharmacy) Asst. Lectr.
Rawlins, E. A., M.Sc. (Pharm.) Asst. Lectr.

Demonstrators in Pharmacy

Carless, J. E., B.Pharm. Lond., M.Sc.
Shaw, G., B.Pharm. Lond.
Hall, J. P.
Woodhead, H. B., B.Sc.
Bellis, D. M., B.Sc.

Preventive Medicine, v. *infra*, Social and Prev. Med.

Psychiatry

Anderson, E. W., M.D. Edin., D.P.M., F.R.C.P. Prof. and Dir. of Dept.

Lecturers

Kitching, E. H., M.D. Leeds., D.P.M., F.R.C.P.
Talbot, G., B.Sc., M.B., Ch.B. (Mental Diseases).
Crowe, P M , M.B., Ch.B., D.P.M. (Mental Diseases).
Burbury, Winifred M., M.A. Camb., M.B., B.S., D P.M. Lond. (Child Psychiatry).
Cormack, G. A., B.Sc., M.B., Ch.B. Glas. (Criminal Psychiatry).
Rose, D. J. (Mental Diseases) Sp. Lectr.
Hood, M. C., M.A. Camb., D.P M. Asst. Lectr.
Young, R. M., M.B., Ch.B., Dip. Psych. Edin. (Mental Diseases) Asst. Lectr.

Tutors

Irvine, May, B.A. Liv. (Psychiatric Social Workers Course).
Ledermann, Ruth S. (Psychiatric Social Workers Course).

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.
Hon. Clin. Lectr.

Tod, Margaret C., M.B., Ch.B. Edin., F.R.C.S.Ed., F.F.R.
Hon. Clin. Lectr.

Boden, G. W., B.Sc., D.M.R. Lond. Asst. Lectr.

Dobbie, J. L., B.A., D.M.R.E. Camb., M.B., Ch.B. Edin., F.F.R. Asst. Lectr.

Tutors

Easson, E. C., M.B., Ch.B. Glas.

Gibson, J. M. W., B.Sc., M.B., Ch.B. Glas.

Millen, J. Ll. E., M.D. Belf.

Social and Preventive Medicine

.....
Prof. and Director of Dept.

Lecturers

..... (Pub. Health Admin.).

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 *Archit.*) (San. Engin.).

Liddle, D. C., M.B., Ch.B. Glas. (Infect. Dis.) Clin. Lectr.

Surgery

Boyd, A. M., M.B., B.S. Lond., M.Sc., F.R.C.S.
Prof. and Dir. of Dept.

Jefferson, Sir G., C.B.E., M.S. Lond., M.Ch. Dub., LL.D. Glas., M.Sc., F.R.C.P., F.R.C.S., F.A.C.S., F.R.F.P.S., F.R.S. (Neurolog. S.)
Prof. and Dir. of Neurol. Labs.

Platt, Sir Harry, M.S. Lond., M.D., F.R.C.S., F.A.C.S. (Orthopæd. S.)
Prof. and Dir. of Dept.

Lambert, V. F., M.D., Ch.M., F.R.C.S. (Otolaryngol.)
Prof. and Dir. of Dept.

Lecturers

Southam, A. H., M.A., M.D., M.Ch. Oxon., F.R.C.S.

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.

Jepson, R. P., M.B., Ch.B., F.R.C.S.

McEvedy, P. G., M.B., B.S. Lond., F.R.C.S. Hon. Clin. Lectr.

Newell, R. L., M.D., F.R.C.S. (Surg. Pathol.).

Griffiths, D. Ll., B.Sc., M.B., Ch.B., F.R.C.S. (Surg. Pathol.).

Scotson, F. H., M.B., B.S. Lond., M.B., Ch.B., F.R.C.S. (Surg. for Dental Students)
Lectr. and Clin. Lectr.

Ratcliffe, A. H., M.A., B.Sc., D.Phil. Oxon. (Experimental Methods) Sp. Lectr.

Tutton, K. G., M.B., Ch.B., F.R.C.S. (Neuro-Surg.).

Pollak, E. (also *Pathol.*) (Neuro-Pathol.).

Brentnall, E. S., F.R.C.S.Ed., M.B., Ch.B. (Orthopæd. S.)
Hon. Clin. Lectr.

Sayle-Creer, W., M.B., M.Ch. Orth. Liv., F.R.C.S. (Orthopæd. S.) Hon. Clin. Lectr.

Griffiths, D. Ll., M.B.E., B.Sc., M.B., Ch.B., F.R.C.S. (Orthopæd. Surg.).

Charnley, J., B.Sc., M.B., Ch.B., F.R.C.S. (Orthopæd. S.) Clin. Lectr.

Lawson, H. P., F.R.C.S.Ed., D L O. (Otolaryngol.).

Young, N. A. J., F.R.C.S.Ed., M.B., Ch.B. (Dis. of Ear, Nose and Throat).

Wilson, D S P, M A, M.B, M Ch., B.A.O. Dub., F.R.C S. Eng, F R.C S.I. (Urological S.)

Wright, J. K, B Sc, M B., Ch B. (Orthopæd. S.) Asst. Lectr.

Surgical Pathology, v. *supra*, Surgery

Venereal Diseases

Lees, R., M.D., F.R.C.P.Ed. Lectr.

Clin. Instructors

Reid, W. J. S, M A., B.Sc., M.D Aberd

Whitehead, G., M.B., Ch.B.

Byrd, Eliz. C., M.Sc., M.B., Ch.B.

Mumford, P. B., M D., F R.C.P.

Dentistry

Wilkinson, F. C., M.D., B.D.S. Liv., D.D.Sc. Melb., M.Sc., F.D.S.R.C.S. (D. Surg.) Prof. and Director of Dental Hosp.

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 Director, Prosthetics.

Holt, J. K., D.D.S. N.-W. Chicago, M.Sc., L.D.S., F.D.S.R.C.S. (Op. Dent.) Reader.

Houghton, E., M.Sc., L.D.S., F.D.S.R.C.S. (D. Surg.) Sr. Clin. Lectr.

Cooke, C., L.D.S., F.D.S.R.C.S., (D. Surg.) Sr. Clin. Lectr.

Atkinson, H. F., M.Sc., L.D.S. (Prosthetic Lab. Technique) Sr. Lectr.

Ashcroft, G., L.D.S., F.D.S.R.C.S. (Oral Surg.) Sr. Clin. Lectr.

Lecturers

Houghton, E., M.Sc., L.D.S., F.D S.R.C.S. (Op. D. Surg.).

Thompson, Prof. F. C., B.Sc. Lond., D.Met. Sheff., M.Sc. (D. Metall.).

Macdonald, Prof. A. D., M.A., M.D. Edin., M.Sc. (D. Mat. Med.).

Dinsdale, T., M.B., Ch.B., D.A. (Anæsthesia).

Luxton, R. W., B.Sc, M.D. (Med.) Lectr. and Clin. Lectr.

Scotson, F. H., M.B., B.S. Lond., M.B., Ch.B., F.R.C.S. (Surg.) Lectr. and Clin. Lectr.

Monks, F. T., F.D.S.R.C.S., L.D.S. (D. Anat. and Physiol. and D. Histol.)

Saunsbury, P., L.D.S. (Clin. Prosthetics).

Milne Gall, A. J. (Clin. Prosthetics).

Janes, B. V., F.D.S.R.C.S., L.D.S. (Oral. Surg.).

Rowbotham, T. C., B.D.S., L.D.S. (Op. Technique).

Harrington, J., B.D.S., L.D.S. (Parodontia).

Prophet, A. S., B.D.S., L.D.S., Dip. Bact. (D. Bact.).

Hartley, D. T., L.D.S. (Orthodontia).

Wild, N., M.Sc., L.D.S. (Orthodontia).

Miller, J., B.D.S., L.D.S. (Children's Dent. and Preventive Dent.).

Benson, J. K. H., B.D.S., L.D.S., F.D.S.R.C.S. (D. Surg.).

Tickle, R. J. S., B.D.S. Syd., D.D.S., M.Sc. (Dent.) Tor (Op. Technique).

McIntyre, H., M.B., Ch.B., B.D.S., L.D.S. (Clin. Prosthetics).

Clin. Lecturers

Bennison, H., L.D.S. (D. Surg.).

Lewis, P. R., B.D.S., L.D.S. (D. Surg.).
Parsonage, F. H., L.D.S. (D. Surg.).
Tickle, R. J. S., B.D.S. Syd., D.D.S., M.Sc. (Dent.) Tor. (D. Surg.).
Derbyshire, K., L.D.S. (D. Radiol.)
Moule, A. W., B.D.S., L.D.S., F.D.S.R.C.S. (Oral Surg.) Sp. Lectr.

Asst. Lecturers

Graham, Estelle P. M., L.D.S. (Prosthetic Lab. Technique).
Graty, T. C., B.D.S., L.D.S. (Clin. Prosthetics).
Johnson, W., B.Sc (Dent. Materials).
Tyldesley, W. R., B.Sc. (Dent. Materials).
Millar, C. H. I., L.D.S. (Children's D. and Prev. D.).
Brock, Margaret C., B.D.S., L.D.S. (Orthodontia).
Seeley, E. H., L.D.S. (Oral Surg.).
Officer, Margaret, L.D.S. (Children's D. and Prev. D.).
Cartledge, D. H., B.D.S., L.D.S. (Oral Surg.).
Mills, J. R. E., L.D.S. (Orthodontia).
Tyas, Mrs. Katharine J., B.D.S., L.D.S. (D. Surg.).

Theology

Biblical Criticism and Exegesis

Manson, Rev. T. W., M.A. Camb., D.Litt., D.D. Glas., D.D. Durh., D.Theol. Strasbourg, M.A., F.B.A. Rylands Prof.

Lecturers

Farr, Rev. G., M.A., B.D. (Old Test.).
Robinson, Rev. W. G., M.A. Oxon., B.A. Liv., B.D. (New Test.).
Meecham, Rev. H. G., B.A. Lond., M.A., D.D., Ph.D. (New Test.).
..... (New Test.).

Christian Ethics

Preston, Rev. R. H., B.Sc. (Econ.) Lond., M.A. Oxon. Lectr.

Comparative Religion and Philosophy of Religion

Smith, Rev. F. H., D D. Lond. Prof.

Ecclesiastical History

Dugmore, Rev C. W., M A., B.D. Oxon
Bishop Fraser Sr. Lectr.

Hellenistic Greek

Zuntz, G., Dr.phil. Marburg Sr. Lectr.

History of Doctrine

Lecturers

Hassall, Rev. H., M.C., B A.
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.

Mesopotamian Studies

Fish, T., Ph.D. Camb. Prof.

Semitic Languages

Rowley, Rev. H. H., M.A. Brist., B.Litt. Oxon., D.D. Lond., Durh. and Wales, Theol. D. Uppsala, M.A., F.B.A. Prof.
Weis, P. R., L. en Phil. et Hist. Or. Louvain, M.A. (Post-Biblical Jewish Studies) Laski Lectr.
Wallenstein, M., M.A., Ph.D. (Med. and Mod. Hebrew) Lectr.
Gray, Rev. J., M.A., B.D., Ph.D. Edin. Asst. Lectr.

Technology

Myers, Sir J. E., O.B.E., D.Sc.
Principal of the College of Technology and Dean of the Faculty.

Building Construction

McKay, W. B., M.Sc. Tech.
Hd. of Dept. and Dir. of Labs.

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.
Merchant, W., M.A. Oxon., S.M. Mass. Inst. Tech. (Structl. Eng.).
Thomas, N. (Structl. Eng).
Morris, W , B Sc. (Eng) Lond.
McMinn, S. J., M.Eng. Liv.
Harwood, T. A. (Quant. Surveying).
McBeath, J. G., F R I B.A.
Sp. Lectr.
Robinson, J. L. (Structl. Eng.)
Asst. Lectr.

Chemistry, Applied

..... Prof. and Dir. of Labs.
Walker, T. K , D.Sc., Ph.D., F R.I.C. Sr. Lectr.
Howell, O. R , B.Sc. Wales, Ph D. Camb., Wales, and Zür., D.Sc., F.R.I.C. Sr. Lectr.
Neale, S. M., M.Sc. Liv., D.Sc. (Phys. Chem.) Sr. Lectr.

Lecturers

Handford, C., M.Met. Sheff., F.I.M. (Metall. and Assaying).
Baddeley, G., M.Sc., Ph.D. Sheff. (Org C.).
Storrow, J. A., M.Sc. Tech., Ph.D. (Chem. Eng.).
Burawoy, A., D.Phil. Leipzig (Col. Matters).
Ward, A. F. H., B.Sc. Lond., M.A., Ph.D. Camb., F.R.I.C. (Phys. Chem.).
Willson, B. D., M.Sc. Tech. (Chem. Eng.).
Cardwell, D., M.Sc., B.Com., F.R.I.C. Sp. Lectr.

Asst. Lecturers

Craven, May B., M.Sc. Tech.
Hancock, A., M.Sc. Tech., F.R.I.C.
Hochenhull, D. J. D., M.A. Camb., Ph.D.
Holt, G., M.Sc. Tech., Ph.D.
Maitland, R. J., B.Sc. (Metall.).
Quinton, J. H., M.Sc. Tech. (Chem. Eng.).
Bartindale, G. W. R., M.A., B.Sc. Oxon. (Phys. C.).

Demonstrators

Arnold, B. H., B.Sc. Tech.
Brooks, L. H., M.Sc. Tech.
Chamberlain, J. T., M.Sc. Tech.
Graddon, D. P., M.Sc. Tech.
Hall, A. N., M.Sc. Tech.
Heald, P. J., M.Sc. Tech.
Turner, C., M.Sc. Tech.
Williams, D., B.Sc. Tech
Chadwick, J., M.Sc. Tech.
Gordon, M., B.Sc. Tech.
Meadowcroft, R., B.Sc. Tech.
Spinner, E., B.Sc. Tech.
Todhunter, K. H., B.Sc. Tech
Williamson, G. R., B.Sc. Tech.
Bullock, G., B.Sc. Durh. (Metall.).

Chemistry, Textile

Scholefield, F., B.Sc. Lond. and Leeds, M.Sc , F.R.I.C , F.T.I.
Hd. of Dept. and Dir. of Labs.

Lecturers

Preston, J. M., B.Sc. Liv., F.R.I.C.
Turner, H. A., M.Sc. Sheff.
Egerton, G. S., M.Sc., Ph.D. Lond.

Asst. Lecturers

Mhatre, S. H., B.Sc., M.Sc. Tech., Ph.D. Bombay, Ph.D.
Howarth, A.
Johnson, A., M.Sc. Tech. Demr.

Engineering, Electrical

Hollingworth, J., M.A. Camb., D.Sc. Lond., M.Sc. Tech.
Prof. and Dir. of Labs.
Bradshaw, E., Ph.D. Glas., M.Sc. Tech. (High Voltage Eng.) Lectr.

Glynne, A., M.A. Camb. (Elect. Measurements) Lectr.
Barratt, N. M., M.Sc. Tech. Lectr.
Tremlett, L., M.Sc. Tech. Lectr.
Hancock, N. N., B.Sc (Eng.), B.Sc. Lond. Lectr.

Asst. Lecturers
Willis, J., B.Sc. (Eng.) Lond
Pickering, E. N., M.Sc. Tech.
Normington, A. C., B.Sc. (Eng.) Lond.
Knapp, C F., B.Sc. Lond.

Engineering, Mechanical
Baker, H. Wright, D.Sc. Prof. and Dir. of Labs.
Lamble, J. H., M.Eng., Ph.D. Liv. Sr. Lectr.

Lecturers
Bevan, T., M.Sc. Tech.
Cantle, G. S., B.Sc. Durh., M.Sc. Tech., Ph.D.
Johnson, E., B.Sc. Edin.
Koenigsberger, F., Dipl. Ing. Berlin.
Gill, S. S., M.Sc. Tech.
Bisacre, G. H., M.A. Camb.
Bock, J. H., B.Sc. Brno, D.Sc. Hanover Sp. Lectr.

Asst. Lecturers
Hall, G. W., B.Sc. (Eng.) Lond.
Furber, B. N., M.Sc Tech.
Hatton, A. P., M Sc. Tech.
Parker, J., B.Sc. Tech.
Schiffer, G. R., B.Sc. (Eng.) Lond.
Royle, J. K., B.Sc. Tech.
Kettlewell, J., B.Sc.
Sanville, F. E., B.Sc. Tech.

Engineering, Municipal
Cornish, R. J., M.Sc., F.R.San.I. Hd. of Dept. and Dir. of Labs.
Johnson, A., M.Sc. Durh., F.R.San.I., F.I.S.E. Lectr.
Morgan, E. L., B.Sc. Wales Lectr.
Williman, A., B.Sc. (Eng.) Lond. Lectr.

Industrial Administration
Roberts, A., M Com., Ph D. Hd. of Dept.

Lecturers
Jenkins, G., M.Com.
Wrigley, J., B.A. (Com.).
Verity, T. E. A., M.Sc. Tech.
Fraser, J. A., M.A., B.Ed. Edin.
Dowdell, A., B.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
Tibbs, S. R., Ph D Brist., M Sc.
Shenton, L. R., Ph.D. Edin , B.Sc.

Asst Lecturers
Hawkes, J. H , M.Sc.
Fagg, S. V., B.Sc Lond., D.I C.
Butler, R., M.Sc.
Rose, A., B A. Camb., M Sc. Demr.

Physics
Lipson, H. S., D.Sc. Liv., M.A. Camb., F.I.P. Hd. of Dept. and Dir. of Labs.
Walmsley, H. P., D.Sc., F.I.P. Sr Lectr
Edmunds, I. G., M.Sc., Ph.D. Wales Lectr.
Hargreaves, A., B.Sc., M Sc. Tech., Ph.D. Lectr.
Steeple, H., B.Sc. Reading Lectr.
Fowweather, F., B.Sc. Asst. Lectr.
Taylor, C. A., B.Sc. Lond. Asst. Lectr.

Textile Industries
Morton, W. E., M.Sc. Tech., F.T.I. Prof. and Dir. of Labs.
.....
(Weaving and Textile Engin.) 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).

Asst Lecturers
Latham, A. M , M Sc. Tech.
Brunnschweiler, D., B Sc. Tech.
Hearle, J. W. S., B A. Camb.

Education

v. also School of Education, *infra*

Adult Education

Waller, R. D , M.A. Prof

Lecturers
Styler, W. E., M.A. Birm.
Sherwood, H. C., M.A. Birm.
Garside, D., B A.
Ruddock, R , B.Sc (Econ.) Lond.
Legge, C. D , B.A. Lond. (Hist. and Practice of Adult Educn.)
Hampson, N., M A. Oxon. Asst. Lectr.

Education

Oliver, R. A. C., M.A., B.Ed., Ph.D. Edin., M.A. Sarah Fielden Prof. and Dir. of Dept.
Wiseman, S., B.Sc., M.Ed. Durh. Sr. Lectr.

Lecturers
Borthwick, Phyllis M., M.Sc. Brist., B.Sc. Lond.
Gregory, Alys L., M.A., Ph.D.
Herbert, 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, Jeannette B., B.A. Oxon.
Vail, Olive I., B.A. Lond.
Crossland, R. W., B.Sc.
Gorner, F., M.Sc. Sheff.
Stafford, E., B.Sc. Lond., B.A. Admin.
McGlynn, Ida.
Clarke, Mary G., M.A. Camb. and Dub., LL.D. Aberd. Sp. Lectr.
Haworth, Joyce, M.A. Leeds Sp. Lectr.
Procter-Gregg, H., B A., Mus.B. Camb. (Music).
Claypole, Barbara M. (Speech Trg.) Asst. Lectr.
Fraser, Diana (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.
Pickles, Aileen M., B A.
Williamson, Marion B., M.A. Glas.
Kendall, D. C., B.A. Camb. Leverhulme Lectr.
Lovett, Nora H. Asst. Lectr.
Bailey, R. W. C., B.Sc. Lond. (Audiol.) Asst. Lectr.
Lambert, V F., M.D., Ch.M., F.R.C.S. Hon. Consult. Otologist.

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.

School of Education

Oliver, R. A. C., M.A., B.Ed., Ph.D. Edin., M.A. Director.
Jenkinson, A. J., M.A. Camb. Deputy Director.

Lecturers

Warburton, F. W., B.A. Reading, M.A., Ph.D. Lond. (Educ. Psych.).

Legge, C. D., B.A. Lond. (Hist. and Practice of Adult Educn.)

Langan, I. Winifred, Dip. Psych. Lond., Ph.D. Reading (Child Psych.).

Columba, Rev. Bro.

Holmes, J. M., Dip. Fine Art Lond.

Hoole, Mary W., B.A. Lond.

Cahill, Kathleen M., M.A. N.U.I.

Hogan, Margaret, 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.

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.A.

Senior Staff Tutor and Adviser to Tutorial Classes — W. E. Styler, M.A. Birm.

Staff Tutors—H. C. Sherwood, M.A. Birm ; Barbara M. Moor, Mus.B. ; D. C. Jones, M.A. Wales , I. W. Hughes, LL.B. Wales ; N. Hampson, M.A. Oxon. ; J C. L. Malpass ; R. M. Grant, B.A. Camb. ; Joan Bedale, M.A. Camb.

Tutor-Librarian—F. W. Chandler, M.A. Lond.

ASSOCIATED COLLEGES

The College of Technology became connected with the Univ. of Manchester in 1905 in the Fac. of Techn., the greater part of the work of which is conducted in the College, whose Principal is Dean. The work of the College includes advanced study and research in the subjects specified above and hydraulic experimental work, motor-car engineering, and india-rubber technology. From Oct. 1934 recognized for B.Sc. (Eng.) degree for external students, London Univ.

Recognized for External Lectures in Theology: Baptist College, Hartley Victoria Methodist College, Moravian College, Fairfield, and Unitarian College at Manchester; Lancashire Independent College, Whalley Range.

Recognized for instruction in Maths., Physics, Chem., and Biol. up to Interm. standard for B.Sc. and B.Sc. Tech.: the Harris Institute, Preston.

For third year of B.Sc. Tech. course in Metal Mining (at present discontinued): the Camborne School of Metalliferous Mining.

GENERAL INFORMATION

The Victoria University of Manchester was reconstituted by Royal Charter in 1903 and Owens Coll. incorporated with it by Act of Parl. in 1904. For early history, see *Yearbook* for 1929.

Most of the buildings erected from time to time during the past 50 years are situated in the city. The Departments of Bacteriology, Preventive Medicine and Pathology are ½ mile distant, adjoining principal hospitals. The athletic ground (30 acres) is at Fallowfield, about 1½ miles distant, while a further 51 acres were acquired for athletic purposes at Wythenshawe, about 3 miles distant.

LIBRARIES. The main library (over 356,000 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 91,500 vols.) are housed in the Med. School, and available for students. The Library for Deaf Education (over 8200 vols.) is available to all interested in the educn. of the deaf. There is also in the city of Manchester the John Rylands (450,000 vols.), which includes the Althorp Library and the Crawford collection of MSS. It contains one of the most important collections of early printed books in existence, and a collection of charters and records (including deposits) amounting to upwards of 50,000 items. The ancient Chetham Library (100,000 vols.) has valuable mediæval MSS. and printed books of 17th and 18th centuries and specializes in local history. The Municipal Reference Library (682,860 vols.) is a valuable collection of books and periodicals, which includes a Technical and Science Library of 76,000 vols., 27,000 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. The College of Technology Library (over 32,000 vols) includes the abridgements of specifications of patents from 1855 to date, and is devoted to applied science and technology.

LABORATORIES, ETC. Ample equipment for advanced study and research in all departments. Experimental Grounds for Hortic. in Manchester and outstation in Cheshire. The *Manchester Museum* (Keeper—R. U. Sayce, M.A.), 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 Elem. school children. Available for clinical instruction are 4 general Hospitals, 1 Dental and 9 other special hospls., including the Christie Hospl. and Holt Radium Institute.

FACULTIES, DEANS AND TUTORS. Arts [including School of Architecture], Prof. T. B. W. Reid (Romance Philol.), Tutor, J. Marks (French); Science, Prof. C. W. Wardlaw (Cryptogamic Bot.), Tutor, Dr. G. N. Burkhardt (Chem.); Law, Prof. R. A. Eastwood, Tutor, H. Street (Art. Clerks); Medicine [including Dentistry and Pharmacy], Prof. H. S. Raper (Chem. Physiol.), Tutor, Dr. D. A. K. Black (Medicine); Music, Prof. W. Schlapp; Economic and Social Studies, Prof. E. Devons (App. Econ.), Tutor, Miss F. Collier (Social Admin.); Theology, Prof. T. W. Manson (Bibl. Crit. and Exeg.); Technology (provided by the Municipal College of Technology), Principal Sir J. E. Myers (Technol.); Education [training for work in Secondary, Junior, Infant and Nursery Schools, and in Schools for the Deaf], Prof. A. W. G. Ewing (Education of the Deaf).

WOMEN STUDENTS. Adviser—Phyllis E. Crump, M.A.

ADMISSION. *See* Appendix I.

DEGREE COURSES. 3 yrs. (graduates of other approved Univs., 2 yrs.)—B.A., B.A. (Theol.), 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.; Combined Subjects—where Geog. is one

of the two subjects); 5 yrs.—B.A. (Hons. in Archit. and Town and Country Planning), 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.A. degree may be awarded with Honours in Combined Subjects (v. p. 7).

The B.Sc. degree may be awarded with Honours in General Science (v. p. 8).

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 of 1 yr.'s standing—M.A., M.Sc. (2 yrs. if graduates of other Faculties), M.D.S., M.A. (Econ.), M.A. (Com.), M.A. (Admin.), M.Sc. Tech.; 2 yrs.—LL.M., 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.A. (Com.), M.A. (Admin.), M.Sc. Tech., M.Ed. 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. 16).

DIPLOMAS. Bacteriology, Chem. Engineering, Geography, Statistics, Teachers'—1 yr. postgraduate; Educational Psychol., 1 yr., approved teachers; Social Study, 2 yrs.—approved graduates and holders of Certif. in Pub. Admin., 1 yr.; D.P.M. and D.P.H., 1 yr. for registered practitioners; L.D.S., 4 yrs.; Architecture, 5 yrs.; Town and Country Planning, (*a*) 5 yrs.' full-time course, (*b*) 1 yr. after Certif. status.

CERTIFICATES. Mining, 3 yrs.; 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.); Certif. for Teachers of the Deaf, 1 yr. (grads. and certificated teachers); Town and Country Planning, 2 yrs.

Certif. in Mining and the B.Sc. Tech. in Mining (at present discontinued) are accepted by Govt. in lieu of 2 out of 5 yrs.' practical experience for Mine Manager's Certif.

SCHOLARSHIPS, ETC., FOR GRADUATES. A considerable number are offered every year by the Univ., most of them reserved for its own graduates, but some—in Anatomy, £150; Econ. and Soc. Studies, £100, £120 and £250-£300; Engin., £200; Bot. or Zool., £200; Diseases of Children, £100; History, £50; Social Sciences, £1000; Local Govt., £50; Internat. Relations, £100; Maths., £60-£70; Physics, Chemistry and allied subjects, £500-£850; Engineering, Inorg. Chem. and allied subjects, £600; Physics, £200; Physiol., £90; Cancer Research, £300; Medicine (cause treatment and cure of Leukæmia), £400; Prev. Med., £300; Child Health (problems of nutrition), £900; Sanitary Sci., £150; Psychological Med., £150; Pharmacy or Pharmacol., £60 and £250; Wool Research, £300; Education, £300—are open to foreign students; others —in Cotton Industry, £100; History, £50; Agric. Zool., £120—are open to British subjects who have graduated at other Univs. Research Studentships

in Science subjects (£300) are offered for the competition of candidates who have obtained a Bachelor's or Master's degree in a British Univ. other than Manchester. Honorary Research Fellowships and Research Studentships, entitling the holders to the use of facilities for research either free or at greatly reduced fees, are also awarded.

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., £32 (Hons. in Archit. or Town and Country Planning, first 3 yrs. £32, 4th and 5th yrs. £24); B.Sc., £32-£52; LL.B., £14 (does not include Union membership); M.B., Ch.B., £46; B.D.S., first 4 yrs. £67, 5th yr. £37; L.D.S., £67; Mus.B., approx. £70, according to options selected; B.A. (Econ.), £32; B.A. (Com.) and B.A. (Admin.), day course, £32, evening course, £29: 10s. (not including Union membership); B.D., approx. £17, *plus* registration fee of £3: 3s., which includes library and Athletic Union membership; B.Sc. Tech., £40-£60; Teacher's Diploma, £42. 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.

HOSTELS. For men: Hulme Hall (Vice-Warden: P. S. Coveney, M.A.), 100 gs.; Dalton Hall (Principal: G. A. Sutherland, M.A.), £126 (for 30 weeks); St. Anselm Hall (Warden: Rev. R. H. Preston, B.Sc. (Econ.), M.A.), £120 (for 30 weeks); Lancashire Independent College (Principal: Rev. W. G. Robinson, M.A., B.D.), £111 (full Univ. terms); Unitarian College (Principal: Rev. R. V. Holt, M.A., B.Litt.), £100 (full Univ. terms). For women: Ashburne Hall (Warden: Miss E. M. Lind, B.Sc., Ph.D.), £120; Langdale Hall (Warden: Miss M. V. Walmsley, B.Sc.), £105; Ellis Llwyd Jones Hall, especially for intending teachers of the deaf (Warden: Mrs. I. M. Horsburgh, B.A.), £120; St. Gabriel's Hall (Warden: Sr. Maria Benigna, C.P., B.A.), for Rom. Catholic women students, £95; Lister House (Warden: A. H. Holmes, M.D., F.R.C.P.), a Hall for Medical Students, both men and women, residence compulsory during a period of 3 months in their Fifth Year, at a charge of £33 for the period.

Donner House provides accommodation for 23 members of staff and senior research students, at a charge varying from £2: 12: 6 to £3: 7: 6 per week, *plus* terminal surcharge.

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, Lancaster) 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 at evening hours for the outside public. The Extra-mural Dept. provides facilities for Extra-mural study under the auspices of the Jt. Cttee. for Adult Educn. 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. Tutorial classes, Extension courses, public lectures, residential courses, and other facilities for adult students are arranged.

APPOINTMENTS BOARD. Secretaries, Olive B. Schill, M.A. Camb., and K. A. Bayley, M.B.E., B.A. Oxon., The University, Manchester, 13.

PUBLICATIONS. (1) Periodical: (*a*) *Calendar* (Sept.), 5s. and 3s.; *Examination Papers*, 9d.-1s. 3d. a set, by Faculties; *The Journal of the University* (Annual); *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: *Journal of Manc. Egyptian and Oriental Soc.*; 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) *The Victoria University of Manchester*; a short historical and descriptive account, The Univ. Press, 1930.

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.

THE YEAR 1948–49

BENEFACTIONS. A further £2000 from the late R. G. Lawson, making a total of £5000 for establishment of entrance scholp. in Law; £1699 from parents of children evacuated to Canada during the war for the establishment of the "Toronto" fund to assist Canadian grads. studying at the Univ.; £740 from the late Sir Robert McDougall for furthering chem. res.; £500 from the late Prof. D. Knoop to assist in financing selected publications of the Univ. Press; £232 from the Manchester Branch of the Classical Assocn. for prize in memory of the late Prof. R. S. Conway; £200 from colleagues of the late Dr. W. Susman for a prize in Pathol.; £147 from the Manchester Women Graduates Jubilee Fund towards the cost of a joint common-room. £50 p.a. from the late Miss Margaret James for the establishment of a scholp. for women to whom entry to the Univ. at the normal age was impossible for financial reasons. A grant from D.S.I.R. not exceeding £3125 to Prof. P. M. S. Blackett for the continuance of Cosmic Ray investigations and the investigation of magnetic fields; £2000 for 3 yrs. from the Agric. Res. Council to aid res. on plant growth hormones; a grant from Glaxo Laboratories, Ltd., of £2000 p.a. for 2 yrs. for res. in the Steroid field; £1000 p.a. for 3 yrs. from the Alexander Pigott Wernher Memorial Trustees for the appt. of a lectr. with experience as a teacher of deaf children; offer of from £700-£800 p.a. from Trustees of the Community Educn. Trust for an enquiry into the needs and opportunities of informal Adult Educn., especially in the Manchester area; renewal of grant from Leverhulme Trustees for further 3 yrs. for provision of Lectureship in Educn. of the Deaf.

NEW BUILDINGS. New bldg. for Physics Dept. for Cosmic Ray investigations. New annexe to Arts Library. New high vacuum lab. for Electr. Engin. Dept. Additional accomm. for Bot. Dept. and additional labs. for Bacteriol. Dept. Extension to Zool. Dept. and reconstruction in Chem. Dept. New premises adapted for Dept. of Metall. Adaptation of premises at Barton aerodrome for Fluid Motion Lab.

NEW DEPARTMENTS AND POSTS. Establishment of Chairs of Soc. Anthropol., Adult Educn., Industrial and Commercial Law, Arabic, and Econ. Theory.

CHANGES IN REGULATIONS. Reorganization of subjects of Final examn. for M.B., Ch.B. to include Pædiatrics and amendment of regns. regarding award of Honours. Discontinuance of courses for Certif. in Hortic. and Certif. for Sister Tutors. Institution of Diplomas in Educational Psychol. and in Statistics. Amendment of Ordinances and Regns. of a minor character for B.A., B.Sc., B.D.S., B.A. Econ., B.A. Com., B.A. Admin., B.Sc. Tech.

EXTRA-MURAL WORK. 56 Tutorial classes, 84 Sessional classes, 9 shorter courses were arranged in conjunction with the W.E.A.; 82 Extension Courses and 46 single public lectures were given, and 46 lectures in schools. A growing collection of visual aids equipment and gramphone records is maintained for the use of classes. 184 students attended the Summer School at Bangor in July and Aug. 3114 lectures were arranged by the Regional Cttee. for Educn. in the Forces for Units in the area.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. Bünning (Tübingen) under the scheme to assist overseas scholars to renew intellectual contacts. Mond lectures delivered by Sir Ben Lockspeiser and Sir Walter Moberly and Bretey Memorial Lecture by M. Emmanuel Mounier.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. G. Jefferson (Neurol. Surg.) to Trinity Coll., Dublin; Prof. H. S. Raper (Chem. Physiol.) to Edinburgh; Prof. C. W. Wardlaw (Cryptogamic Bot.) to Connecticut Coll., New London; Prof. H. H. Rowley (Semitic Lang. and Lit.) to Cardiff; Prof. H. B. Charlton (Engl. Lit.) to Amsterdam and Liège; Prof. B. A. Wortley (Jurisprudence and Internat. Law) to Brussels; Prof. R. Peacock to Cornell Univ. as Visiting Prof. of German Lit.; Prof. A. W. G. Ewing (Educn. of the Deaf) to North-Western Univ., Ill.

RETIREMENTS. Prof. A. H. Gibson (Engin.); H. Heap (Lectr. in San. and Bacteriol. Chem. in Dept. of Bacteriol.); Thomas Coogan (Clin. Tutor in Anæsthesia); Dr. E. Falkner Hill (Clin. Tutor in Anæsthesia); Rev. Dr. Henry Townsend (Lectr. in Hist. of Doctrine); Atkinson Lee (Lectr. in Psych. of Religion); Dr. Irene R. Ewing (Asst. Dir. of Dept. of Educn. of the Deaf); Dr. Catherine Chisholm (Lectr. in Vaccination); John Williams (Lectr. in Archit.); F. W. Bailey (Lectr. in Paper-making); J. C. Brierley (Lectr. in Mech. Engin. in Fac. of Technol.); H. M. McKechnie (Sec. to the Univ. Press).

RESIGNATIONS. A. A. Harper (Physiol.), on appt. to Chair of Physiol. in Univ. of Durham; Dr. J. B. Skemp (Greek and Latin), on appt. as Reader in Greek at Univ. of Durham.

DEATHS. Emeritus Prof. J. Murphy (Prof. of Compar. Religion, 1930–41); Prof. C. H. Lander (formerly Sr. Lectr. in Engin.); Prof. D. Knoop (formerly a member of staff in the Fac. of Econ. and Soc. Studies); Dr. A. E. Barclay (formerly Lectr. in Radiol.); E. St. G. Gilmore (formerly a member of staff in the Dept. of Bacteriol.); G. Heaton (Lectr. in Children's Dentistry); W. Hunter (Sr. Lectr. in Fac. of Technol.); Dr. R. W. Marsden (formerly Hon. Clin. Lectr. in Tuberculosis); Right Rev. Dr. R. G. Parsons (formerly Lectr. in New Testament Studies); Dr. W. J. Perry (formerly Reader in Compar. Religion); W. Schenk (formerly member of staff of Fac. of Arts); J. W. Gibbons (Hon. Consulting Dental Surgeon to the Dental Hospl.); J. C. Smith (formerly a member of the staff of the Dental Hospl.); Dr. D. H. McNabb (formerly Clin. Lectr. in Ophthalmol.); J. Frith (formerly member of staff of Dept. of Engin.); Dr. J. A. Bowie (formerly member of staff in Fac. of Technol.).

HONORARY DEGREES. *LL.D.*—Sir William Goodenough, Bt.; Very Rev. F. G. Hodder Williams; the Hon. Sir Benjamin Ormerod; Right Hon. O. F. G. Stanley. *D.Sc.*—Dr. A. E. Barclay; Dr. Katharine H. Coward; Sir David Rivett. *D.D.*—Prof. O. Cullmann. *M.A.*—A. Higson; the Rev. E. B. Perkins; L. H. Quinn; H. H. Rew; R. F. Torrington. *M.Sc.*—J. S. Kerr.

STUDENTS (including Fac. of Technol.). Total: 5926; full-time: 5155; pt.-time: 771; the total includes 1287 women and 769 postgraduates.

DEGREES. B.D., 4; B.A., 362; B.A. (Theol.), 18; M.A., 30; LL.B., 39; LL.M., 1; B.Sc., 322; M.Sc., 43; D.Sc., 3; M.B., Ch.B., 81; M.D., 9; Ch.M., 1; B.D.S., 9; Mus.B., 2; Mus.D., 1; B.A. Econ., 29; M.A. Econ., 1; B.A. Com., 52; M.A. Com., 1; B.A. Admin., 54; M.A. Admin., 2; B.Sc. Tech., 205; M.Sc. Tech., 41; M.Ed., 1; Ph.D., 34.

UNIVERSITY OF NOTTINGHAM

Founded 1948

CHANCELLOR—The Right Hon. LORD TRENT, D.L., LL.D.

PRO-CHANCELLORS—His Grace THE DUKE OF PORTLAND, K.G.; Alderman Major T. P. BARBER, D.S.O., T.D., D.L., B.A.

VICE-CHANCELLOR—B. L. HALLWARD, M.A. Camb.

DEPUTY VICE-CHANCELLOR—ROBERT PEERS, O.B.E., M.C., M.A. Liv., J.P.

TREASURER—The Right Hon. LORD BELPER, D.L.

REGISTRAR—H. PICKBOURNE, B.A. Lond.

LIBRARIAN—G. ELLIS FLACK, M.A. Camb.

Telephone: Beeston 54265.

TEACHING STAFF

Agriculture, etc., v. *infra*

Botany, v also Agr.

Chesters, C. G C., B Sc Glas., M.Sc , Ph.D. Birm. Prof.
Holden, H. S., D.Sc. Manc., F.L.S. (Palæobot.) Hon. Reader.
Bexon, Dorothy, M Sc. Lond , F L S. Lectr.
Turner, Myfanwy, M.Sc. Wales, F L S Lectr.
..... Lectr.
Weatherley, P. E., M.A., D.Phil. Oxon Lectr.
Richardson, Mabel M., B.Sc., Ph.D. Durh. Lectr.
Jackson, R. M., B.Sc. Lond. Asst. Lectr.
Noel, A. R. A., B.Sc. Lond. Asst. Lectr.
Hawkes, Joyce W., B.Sc. Lond. Demr.
..... Demr.
Phillips, Marion E., B.Sc. Wales Demr.
Phillips, D. H., B.Sc. Lond., M.Sc. Demr.
Ward, Gillian M., B.Sc. Lond., M.Sc. Demr.

Chemistry

King, F. E., M.A., D.Phil., D.Sc. Oxon., Ph.D. Lond. Sir Jesse Boot Prof.
Laxton, F. C., T.D , B.Sc. Lond. Lectr.
Shaw, B. D., M.M., T.D., B.Sc., Ph.D. Lond. Lectr.
Roberts, J. C., B.Pharm., B.Sc., Ph.D. Lond. Lectr.
Jordan, D. O., M.Sc., Ph.D. Lond. Lectr.
Addison, C. C., D.Sc., Ph.D. Durh., F.R.I.C., F.I.P. Lectr.
Partridge, M. W., B.Pharm., B.Sc., Ph.D. Lond. Lectr.
King, T. J., B.Sc., M.A., D.Phil. Oxon. Lectr.
Cooper, F. C., B.Pharm., B.Sc. Lond., Ph.D. Lectr.
Anderson, A. S., B.Sc. Lond. Asst. Lectr.
Clark-Lewis, J. W., B.Pharm., B.Sc. Lond. Asst. Lectr.
Hutchinson, S. K., B.Sc. Lond. Asst. Lectr.

Mathieson, A. R., B.Sc. Durh. Asst. Lectr.
Smith, P., B.Sc., Ph.D. Lond. Asst. Lectr.
Wallwork, S. C., B.A. Oxon. Asst. Lectr.
Beckitt, J. C., B.Sc. Lond. Demr.
Bovey, Doreen M., B.Sc. Lond. Demr.
Burton, W. R., B.A. Oxon. Demr.
Hales, W. L., B.Sc. Lond. Demr.
Latham, K. G., B.Sc. Lond. Demr.
Lawley, P. D., B.A. Oxon. Demr.
Selby, K., B.Sc. Lond. Demr.
Thompson, R., M.Sc. Demr.

Classics

Thompson, E. A., M.A., B.Litt. Dublin Prof.
Whittaker, Molly, M.A., M.Litt. Camb., B.D. Lond. Lectr.
Chalmers, W. R., M.A. Edin. Lectr.
Mattingly, H. B., B.A. Camb. Lectr.
Watson, G. R., M.A. Durh. Asst. Lectr.

Dairying, v. *infra*

Economics

Tew, J. H. B., B.Sc. (Econ.) Lond., Ph.D. Camb. Prof.
Chambers, J. D., B.A., Ph.D. Lond. Lectr.
Gabor, A., B.Sc. (Econ.) Lond. Lectr.
Woodruff, W., M.A. Oxon. Lectr.
Kerridge, E. W. J., B.A. Lond. Asst. Lectr.
John, Patricia G., B.A. Wales Tutorial Asst.

Education

Haycocks, N., M.A. Manc. Prof.
Sumner, W. L., B.Sc. Lond. Lectr.
Stewart, A. H., B.A. Lond. Lectr.
Lloyd, A., M.A. Birm., Ph.D. Camb. Lectr.
Flower, N. C., M.Sc Durh. Lectr.
Gopsill, G. H., M A. Birm. Lectr.
McNicol, H., M.A. Dub. Lectr.
Mumford, Ivy L., M.A. Lond. Lectr.
Grove, R. B., M.A. Leeds Lectr.

Engineering, Civil

Pope, J. A., B.Sc. (Eng.) Lond., Ph.D., D.Sc. Belf. Prof.
Coates, R. C., B.Sc. (Eng.) Lond. Lectr.
Peattie, K. R., B.Sc. Glas. Lectr.
Lloyd, H. K. M., B.Sc. Wales, Ph.D. Sheff. (Metall.) Lectr.
Markland, E., B.Sc. Manc. Asst Lectr.

Engineering, Electrical

Cotton, H., M B.E., D.Sc. Manc., F.R.Met.S Prof.
Swann, S. A., B.Sc. (Eng.) Lond. Lectr.
Alexander, W., M.Sc. Lond. (Industr. Electronics) Lectr.
Gimson, C. E., B.Sc. (Eng.) Lond., M.Sc. (Eng.) Lectr.

Engineering, Mechanical

Pope, J. A., B.Sc. (Eng.) Lond., Ph.D., D.Sc. Belf. Prof.
Dickson, J. M., T.D., B.Sc. Lond. (App. Thermodynamics) Lectr.
Rolinson, J. G. Lectr.
Davies, D. M., B.Sc. (Eng.) Lond. Lectr.
Taylor, D. B. C., M.Sc., Ph.D. Belf. Lectr.
Mann, J., M.Sc. Leeds Lectr.

English

Pinto, V. de S., M.A., D.Phil. Oxon., F.R.S.L. Prof.
Selby, Alice, M.A. Camb. Lectr.
Hibbard, G. R., M.A. Lond. Lectr.
Housman, J. E., B.A. Lond. Lectr.
Welland, D. S. R., B.A. Lond. Lectr.
Allum, Jeanne, B.A. Lond. Asst. Lectr.

Goodman, R., B.A. Lond. Tutorial Asst.

English Studies for Overseas Students

Hawthorne, T. S. B., M.A., B.Litt. Dub. Lectr. and Tutor.

French

Holdsworth, F., M.A. Sheff., D. de l'U. Paris Prof.
Townley, Jozy, B.A. Lond. Lectr.
Thorpe, L., B.A., Ph.D. Lond., L. ès L. Lille (Romance Linguistics) Lectr.
Christie, J., M.A. Glas., L. ès L. Lyons Asst. Lectr.
Daniel, Vera J., B.A., Ph.D. Lond. Asst. Lectr.
Jolivet, P. A., L. ès L., D.E.S. Sorbonne Asst.

Geography

Edwards, K. C., M.A., Ph.D. Lond. Prof.
Fuller, Joan G., M.A., Ph.D. Lond. Lectr.
Moisley, H. A., M.Sc. Leeds Lectr.
Moisley, Winifred M., B.Sc. Lond. Asst. Lectr.
Rawstron, E. M., B.A. Lond. Asst. Lectr.
Barnes, F. A., B.Sc. Lond. Asst. Lectr.
Clayton, K. M., B.Sc. Sheff. Demr.

Geology, v. also Agric.

Evans, W. D., M.Sc. Wales, Ph.D. Lond., F.L.S., F.G.S. Prof.
Richardson, W. A., O.B.E., B.A., D.Sc., B.Sc. (Eng.) Lond., F.G.S. (Petrology) Hon. Reader.
Black, Rhona M., B.Sc., Ph.D. Glas., F.G.S. Lectr.
Black, W. W., B.Sc., Ph.D. Leeds, F.G.S. Lectr.
Elliott, R. B., B.Sc. Durh., F.G.S. Lectr.
Gill, W. D., D.Sc. Leeds, F.G.S. Lectr.
Henson, F. A., B.Sc., Ph.D. Reading, F.G.S. Lectr.
Skiba, W. J., B.Sc. Edin., M.Phil. Lwow Asst. Lectr.

German

Walshe, M. O'C., M.A. Lond. Reader and Hd. of Dept.
Schweizer, W. R., Ph.D. Berne Lectr.
Smith, N. H., M.A. Oxon. Lectr.
Winder, Marianne, B.A. Lond. Tutorial Asst.

History

Owen, L. V. D., M.A. Oxon. Prof.
Oswald, F., D.Sc. Lond., F.S.A. (H of Roman Brit.) Hon. Reader.
Wood, A. C., M.A., B.Litt., D.Phil. Oxon. (Mod. Hist.) Reader.
Brameld, Nina M., M.A. Lond. Lectr.
Fryer, W. R., B.A., B.Litt. Oxon. Lectr.
Holt, J. C., B.A. Oxon. Asst. Lectr.

Horticulture, v. *infra*

Italian

Stagg, G. L., M.B.E., M.A. Camb. and Harvard Lectr.

Law

Crane, F. R., LL.B. Lond. Prof.
Gray, H. R., LL.B. Lond. Lectr.
Thomas, J. A. C., B.A., LL.B. Camb. Lectr.
Boot, W. A., M.C. Pt.-time Lectr.
Rothera, A. C. G. Pt.-time Lectr.
Morell, A. L., F.C.A. Pt.-time Lectr.
Harris, Anne, LL.B. Birm., B.C.L. Oxon. Pt.-time Lectr.

Mathematics

Pitt, H. R., B.A., Ph.D. Camb. Prof.
Green, H. Gwynedd, M.A. Camb (Geom.) Reader.
Underwood, F., M Sc. Lond. Lectr.
Prior, L. E., M.Sc. Lond. Lectr.
Dallas, A. E. M. Marta, M.A., B Sc. Edin. Lectr.
Power, G., M.A. Oxon. Lectr.
Chandler, K. N., B.Sc. Lond. Asst. Lectr.
Jackson, Margaret, M.Sc. Lond. Asst. Lectr.
Jones, E. E., B Sc., Ph D. Wales Asst. Lectr.
Niblett, J. D., M.A. Oxon. Asst. Lectr.

Mining and Fuels

Hinsley, F. B., D.Sc. Birm. Prof.
Bowen, A. R., Ph.D., D.Sc. Birm., F.R.I.C. (Petroleum Technology) Hon. Reader.
Watson, J. M. R., B.Sc. Glas. Lectr.
Cummings, A. D., M.Sc. Lond., F.I.F. Lectr.
Roberts, A., M Sc. Durh. Lectr.
Morris, I. H., B.Sc. Wales, M.Sc. (Min.) Lectr.

Music

Laming, F. M., B.Mus. Lond. Lectr.
Smallman, F. B. R., M.A., B.Mus Oxon. Asst. Lectr.

Pharmacy

Trease, G. E., B.Pharm. Lond., F.R.I.C., F.L.S. Dir. of Pharmaceut. Studies and Hd. of Dept.
Barber, H. H., B.Sc., Ph.D. Lond., F.R.I.C. Lectr.
Turner, H. A., B.Sc. Lond. Lectr.
Lewis, J. J., B.Sc. (Pharm)., M.Sc. Manc. Lectr.
Watson, Gertrude M., B.Pharm. Lond. Lectr.
Evans, W. C., B.Pharm., B.Sc. Lond. Asst. Lectr.
Hugo, W. B., B.Pharm. Lond. Asst. Lectr.
Fletcher, J G., B Sc. Manc. Asst. Lectr.
Rees, P. O., B.Pharm. Wales Asst Lectr.
Chilton, J., B.Pharm. Lond., M.Pharm. Demr.
Hardman, R., B Pharm., B.Sc. Lond. Demr.

Philosophy

Sprott, W. J. H , M.A. Camb Prof.
Joynson, R. B., M.A., B.Litt. Oxon. (Psychol.) Lectr.
Grant, C. K., M.A., D.Phil. Oxon. (Logic) Lectr.

Physics

Bates, L. F., B Sc Bristol, Ph.D. Camb., D.Sc. Lond., F.R.S., F.Inst.P. Lancashire-Spencer Prof.
Davy, N., M.M., D Sc. Lond Reader
Street, R., M.Sc , Ph.D. Lond. Lectr.
Bolton, H. C., B.Sc., Ph D. Lond. Lectr.
Woolley, J. C., B.A. Camb. Lectr.
Browning, H. Mary, M.Sc , Ph D. Lond., F.I.P. Pt.-time Lectr.
Parker, R , B.Sc. Brist. Asst. Lectr.
Davis, J. H., B.Sc. Lond. Asst. Lectr.
Lee, E. W., B.Sc. Lond. Asst. Lectr.
Standley, K. J., M.A. Oxon. Asst. Lectr.
Adam, G. D., B.Sc. St. And. Demr.
Lewis, B., B.Sc. Lond. Demr.
Mallard, J. R., B.Sc. Lond. Demr.

Poultry Husbandry, v. *infra*

Slavonic Languages

Lavrin, J., M.A., F.R.S.A. Prof.
Partridge, Monica A., B.A. Lond. Asst. Lectr.

Social Administration

Radford, Arthur, B.Sc. (Econ.) Lond. Prof.
Wells, F. A., B.Sc. (Econ.), Ph.D. Lond. (App. Econs.) Reader.
Forster, Sheelagh de C., M A. Oxon. Lectr.
Robertson, Mary F., M.A. Edin. Lectr.
Eyden, Joan L. M., B.A., B.Sc. (Econ.) Lond. Lectr
Gowan, I. L., B A. Wales and Oxon. (Pub. Admin.) Lectr.
Spelman, Eileen M., B.A. Lond. Pt.-time Lectr.
Duke, P., M.B , Ch.B., D.P.H. Pt.-time Lectr.
Morell, A. L., F.C.A. (Accounting) Pt.-time Lectr.
Pearce, I. F., B.A. Brist. Asst. Lectr.
Varley, D. E., B.A. Camb. Asst. Lectr.
Hogg, Daisy T. Tutor to Health Visitors.

Spanish

Stagg, G. L., M.B.E., M.A. Camb and Harvard Lectr.

Spoken Language

Wilkins, Joyce L. Lectr.
Hitchman, P. J., B.A. Lond. Lectr. and Speech Specialist.

Theology

Marsh, Rev. John, M.A. Edin., D.Phil. Oxon. Prof.

Veterinary Science, v. *infra*

Zoology, v. also Agric.

Barrington, E. J. W., M.A., D.Sc. Oxon., F.L.S. Prof.
Young, May R., B.Sc. Edin. Lectr.
Aitken, A., B.Sc. Glas. Lectr.
Dawes, T. M. Eileen, B.Sc. Lond. Asst. Lectr.
Parker, A. H., M.Sc. Birm. Asst. Lectr.
Matty, A. J., B.Sc. Lond. Demr.
Morris, R., B.Sc. Lond. Demr.

Institute of Education

Lewis, M. M., M.A., Ph.D. Lond. Director.
Land, Claudia E. L., M.A. Birm., F.L.A. Librarian.
Daniels, J. C., B.Sc., M.Ed. Durh. Tutor.

Adult Education

Peers, R., O.B E., M.C., M.A. Liv., J.P. Prof.
Wiltshire, H. C., M.A. Lond. Deputy Director of Extra-mural Studies.
Gray, P. H., M.A. Lond. Lectr.

Staff Tutors

Eagle, E. C., B.Sc. (Econ) Lond. (Economics).
Lees, J. P., M.A. Camb. (Political Theory).
Simpson, S. J , B.Sc. (Econ.) Lond. (Economic History).
Masterton, G., M.A. Washington (Sociol. and Psychol.).

Organizing Tutors

Barley, M W., B.A Reading, F.S.A. (Nottinghamshire).
Stadler, K. R., B.A. Bristol and Lond. (Derby).
Thornton, A. H., M.A. Durh. (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).
Featherstone, H. L., M.A. Durh. (Mining Centres).

Assistant Tutors

Scott, D. J. R., B.A. Camb.
Dixon, J. F., M.A. Oxon.

Agriculture and Horticulture

Agriculture

Robinson, H. G., M.Sc. Durh. Prof. and Director of School.
Grant, H. T., B.Sc Glas. Lectr
Ivins, J. D., B.Sc. Reading Lectr.
Morgan, J. T., M.Sc. Wales Asst. Lectr.
Stearn, E. F. R., B.A. Camb. Demr.
McDermott, Mrs. Norah, M.Sc. (Agric.) Potato Research.

Agric. and Dairy Bacteriology

Brindley, Marjorie Lectr.
Chislett, Margaret E., B.Sc. Reading Demr.

Agric. Botany (v. also Botany, *supra*)

Dent, K. W., B.Sc., Ph.D. Birm. Lectr.
Edwards, Miriam M., B.Sc., Ph.D. Manc. Lectr.
Stirrup, H. H., M.Sc. Birm. Hon. Lectr.
Taylor, Freda H., B.Sc. Leeds Demr.
Butterworth, D., B.Sc. Lond. Demr.

Agric. Chemistry

Hallsworth, E. G., B.Sc., Ph.D. Leeds Prof.
Burns, A. C., M.Sc. Manc., F.R.I.C. Lectr.
Ling, E. R., M.Sc. Lond., F.R.I.C. Lectr.
Crawford, D. V., B.A. B.Sc., Oxon. Asst. Lectr.
Kelly, A. M., B.Sc., B.Agr. Belf. Demr.

Agric. Economics

Heath, W. H., B.Sc. Lond. Reader and Hd. of Dept.
Jones, R. B., M.Sc. Wales Sr. Agric. Economist.
Wood, R. O., M.Sc. Lond. Agric. Economist.

Asst. Agric. Economists

Dexter, K., B.Sc. Lond.
Evans, D. H., B.Sc. Wales.
Hunt, A. F., B.Sc. (Econ.) Lond.
Jones, N. G., B.Sc. (Econ.) Lond.
Mejer, E., M.Sc. Vilno.
Richardson, Prudence P., B.Sc. (Econ.) Lond.

Agric. Engineering

Chatterton, J., D.F.C., B.Sc. Lond. Asst. Lectr.

Agric. Geology (v. Geology, *supra*)

Agric. Zoology (v. also Zoology, *supra*)

Kevan, D. K. McE., B.Sc. Edin. Lectr.
Taylor, C. E., B.Sc. Wales Demr.

Beekeeping

Holden, E., M.Sc. Manc. Lectr.

Building Construction, etc.

Maguire, O. D. Lectr.

Dairying

Stafford, J. G. W. Lectr. and Hd. of Section.
Scott, R. Lectr
Potts, Ruth, B.Sc. Reading Asst. Lectr.

Horticulture

..... Reader and Hd. of Dept
Hudson, J. P., G.M., B.Sc. Lond. Lectr. and Actg. Hd. of Dept.
Martyr, R. F., B.Sc. Lond. Lectr.
Marston, Margaret E., B.Sc. Lond. Lectr.
Smith, Nancy M., B.Sc. Lond. Asst. Lectr.
Dullforce, Winifred M. Asst. Lectr.

Poultry Husbandry

Shaw, R. B. Lectr. and Hd. of Section
Nightall, E. W. Lectr.
Gaughan, Moira L. Demr.
Newbury, Mary S. Demr.

Veterinary Hygiene

Buxton, J. C., B.Sc. Hon. Lectr.

ADMINISTRATIVE OFFICERS

UNIVERSITY OFFICE. Accountant: A. Hendry; Asst. Accountant: A. Bellamy; Asst. Registrar: A. G. Bartlett, M.A. Camb.; Surveyor: J. W. Popplewell; Asst. Surveyor (School of Agric.): O. D. Maguire; Admin. Assts.: A. Plumb, M.A. Camb.; G. J. Eltringham, B.A. Sheff.; A. Wainwright, B.Com. Liv. (School of Agric.).

LIBRARY. Sub-Librarian: C. S. Bayes, B.A. Lond.

CAREERS AND APPOINTMENTS BOARD. Sec.: P. E. Starr, B.A. Birm.

LODGINGS OFFICER. S. C. Howard.

GENERAL INFORMATION

Univ. Coll., Nottingham, established in 1881 and incorporated in 1903, was in 1948 merged in the Univ. of Nottingham, constituted by Royal Charter in that year.

LIBRARY. The Library contains about 110,249 vols. and 37,049 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 Palæobotany. 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.

INSTITUTE OF EDUCATION. 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.

MUSEUMS. Archæological, houses the Margidunum Collection of Roman pottery made by Dr. Felix Oswald. 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.).

FACULTIES. Arts, Educn., Pure Science, Agric. and Hort., and Applied Science. Board for courses in English Studies for overseas students; Board of Studies for Law and Social Science; Board of Local and Regional Studies.

ADMISSION. *See* Appendix I.

DEGREE COURSES. Pass degree of B.A., B.A. (Theol.), B.A. (Admin.), B.Mus., B.Sc., B.Sc. (Agric.), B.Sc. (Hort.), B.Sc. (Eng.)—3 yrs.; pass degree of B.Pharm., B.Sc. (Min.)—4 yrs. Hons. degrees, B.A., B.Sc., B.Sc. (Eng.), B.Sc. (Min.)—4 yrs.; Hons. degree LL.B.—3 yrs. In most degrees candidates may be exempted the Inter. Examn. and the Inter. course of study if they have reached a satisfactory standard in a recognized Higher School Certif. Examn. or in a recognized equivalent examn. The minimum residence in the Univ. for graduation is 3 yrs. (under certain conditions grads. of other Univs., 2 yrs.).

Students reading for the degree in Engin. may specialize in Civil, Mech. or Elect. Engin. in the last yr. of the pass degree course, or in the last two yrs. of an Hons. course.

Honours students in Modern Languages spend the third term of the third yr. at an approved foreign Univ.

The Law Dept. prepares students for the Bar and Solicitors' Examns. as well as for the LL.B.

HIGHER DEGREES. D.Litt., D.Sc., D.D., LL.D.—conferred on graduates of the Univ. of at least 7 yrs.' standing on report of published contributions to learning. Ph.D.—v. pp. 16-17. M.A., LL.M., M.Pharm., M.Sc., M.Sc. (Agric.), M.Sc. (Hort.), M.Sc. (Eng.), M.Sc. (Min.)—conferred on graduates of the Univ. in the appropriate Fac. after advanced work extending over at least 1 yr.; also conferred on non-graduates under certain conditions, after advanced work extending over at least 4 yrs.

M.A. and M.Sc. in Maths.—awarded on an examn. taken after an advanced course of at least 1 yr.'s duration; the M.Sc. degree in Mycology may also be taken in this way.

M.Ed. — may be conferred after at least 1 yr. 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.

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.); Social and Theological Studies, 3 yrs. (awarded in conjunction with Paton Congregational Coll.); Youth Leadership, 1 yr.; Educn., 1 yr. postgraduate; Mining, 1 yr. (for graduates in Engin., Chem. and Physics of British and other approved Univs.); 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 and also courses for the training of Health Visitors.

ADVISER TO ORIENTAL STUDENTS. H. Gwynedd Green, M.A. Camb.

FEES. Matriculation, £1 : 1s.; Registration, £1 : 1s.; *Tuition*: B.A. (Grouped Subjects), B.A. (Admin.), B.Mus. (3 yrs.), £94 : 10s.; B.A. (Hons.) (4 yrs.), £126; LL.B. (3 yrs.), £75 : 12s.; B.Sc. (Grouped Subjects) (3 yrs.), £113 : 8s.; B.Sc. (Hons., except in Maths. and Geog.), 4th year, £37 : 16s.; B.Sc. (Hons. in Geog.), 4th yr., £31 : 10s.; B.Sc. (Hons. in Maths.) (4 yrs.), £132 : 6s.; B.Pharm. (4 yrs.), £151 : 4s.; B.Sc. (Agric.), B.Sc. (Hort.), B.Sc. (Eng.) (3 yrs.), £132 : 6s.; B.Sc. (Eng. Hons.), 4th yr., £47 : 5s.; B.Sc. (Min.) (4 yrs.), £179 : 11s.; Ph.D. (non-laboratory subjects), £15 : 15s. per yr.; Ph.D. (laboratory subjects), £22 : 1s. per yr. *Examination*: B.A. (Grouped Subjects), B.Sc. (Grouped Subjects), £8 : 8s.; B.A. (Hons., except Geog.), B.A. (Admin.), LL.B., B.Mus., B.Sc. (Maths. Hons.), B.Pharm., B.Sc. (Agric. and Hort.), B.Sc. (Eng.), £9 : 9s.; B.Sc. (Hons. except Maths.), B.Sc. (Hons. in Eng.), £11 : 11s.; B.Sc. (Min.), £12 : 12s.; Ph.D., £10 : 10s. *Graduation*: B.A., B.A. (Admin.), LL.B., B.Mus., B.Sc., B.Pharm., B.Sc. (Agric.), B.Sc. (Hort.), B.Sc. (Eng.), B.Sc. (Min.), £5; Ph.D., £7.

POSTGRADUATE SCHOLARSHIPS, ETC. Postgraduate Studentships of £250 p.a. with the remission of fees in all Facs.; Hugh Stewart Scholp. in Arts,

£200 p.a.; Heymann Research Scholp., preferably in Arts, £50 p.a.; Arts Research Scholp., £50 p.a.; Henry Smith Cropper Postgraduate Scholp. in Arts, £60 p.a.; Mabel Pannell Postgrad. Scholp. in Agric. or Hort., £50 p.a.; Gertrude Cropper Scholp. in all Facs., £40 p.a.; Dean Moore Scholp. in all Facs., restricted to male students formerly at school in the City of Nottingham, £80 p.a.; Captain Black Science Research Scholp., £40 p.a.; Carr Scholp. in Geol., Bot. or Entomol., £250 p.a.; Kesteven W.V.S. Travelling Scholp. in Agric. or Hort., £150 p.a. All Research Awards of a value below that of a Postgraduate Studentship may be supplemented to a total value of £250 p.a.

FELLOWSHIPS. Univ. Research Fellowships open to graduates of any approved Univ. in any Fac., £450 p.a.; Revis Fellowship in any Fac., restricted to candidates from the East Midland area, £450 p.a.

RESIDENCE. For men, Hugh Stewart Hall (Warden: P. P. Butters), adjoining Univ. Park; for women, Florence Boot Hall (Warden: Eileen M. Spelman, B.A. Lond.), in Univ. Park; Lenton Firs (Wardens: Prof. and Mrs. A. Radford), and Lenton Eaves (Warden: Jeanne Allum, B.A.), also in grounds adjoining Univ. Park. Students not accommodated in a Hall of Residence must live in Univ. Registered Lodgings—42s. to 50s. per week.

UNIVERSITY EXTENSION. Adult Educn. is organized as a dept. of the Fac. of Arts. The Head of the Dept., a full-time Professor, is assisted by a Deputy Director of Extra-mural Studies, 5 staff tutors (including 8 organizing tutors, 1 tutor in charge of training), and many pt.-time tutors and lecturers. Lenton Hurst, in grounds adjoining Univ. Park, has been established as a residential College for Adult students (Resident Tutor: D. J. R. Scott, B.A. Camb.). The Dept. is also responsible for Pilgrim Coll., a non-residential Adult Coll. in Boston, Lincs. (Warden: A. Champion, M.A. Camb.).

PUBLICATIONS. *Calendar*; *Faculty and Departmental Prospectuses*; *Scholarships, Fellowships and Prizes*; *Courses in English Studies for Overseas Students*; Students' Magazine, *The Gong*; *Students' Handbook*.

THE YEAR 1948–49

An Act to dissolve the University College of Nottingham and to transfer all the rights, property and liabilities of the College to the University of Nottingham received the Royal Assent on May 31, 1949.

The first Congregation of the Univ. was held on Tues., May, 3, 1949, when the Rt. Hon. Lord Trent was installed as the first Chancellor.

BENEFACTIONS. The Univ. Endowment Appeal Fund was opened in May 1949. Contributions amount to over £300,000 and include £50,000 * from Boots Pure Drug. Co. Ltd.; £20,000 from Raleigh Industries Ltd.; £19,090 * from British Celanese, Ltd.; £15,000 * from John Player and Sons; £14,000 * from Stanton Ironworks Co. Ltd.; £12,727 * from Rolls-Royce, Ltd.; £10,400 from Mr. J. D. Player; £10,250 from Brush Electrical Engineering Co. Ltd.; £10,003 * from G. Spencer, Ltd.; £10,003 * from W. Hollins and Co., Ltd.; £10,003 * from J. B. Lewis and Sons Ltd.; £10,000 * from Imperial Chemical Industries, Ltd.; £5250 from the British Electricity Authority and E. Midlands Electricity Board; £5000 from Sir Harold Bowden; and £5000 from J. N. Derbyshire. Gift of Mace by the Nottingham City Council to mark the granting of the Univ. Charter; Ceremonial Robes for the Chancellor by Mr. G. Spencer and for the two Pro-Chancellors and the Vice-Chancellor by

* Under Deed of Covenant for seven years.

the Directors of Rediffusion (East Midlands) Ltd.; silver plate by the Women's Associations in the City and County of Nottingham. Establishment of the Dean Moore Postgrad. Scholp. of £80 p.a. under the will of the late Mrs. Florence Moore (*née* Dean); the Gertrude Cropper Postgrad. Scholp. of £40 p.a. under the will of the late Mrs. Gertrude N. H. Cropper; foundation of the Mabel Pannell Postgrad. Scholp. of £50 p.a. in the Fac. of Agric. and Hortic. by Mrs. H. M. H. Pannell; provision for the continuance for a further 7 yrs. of the Henry Smith Cropper Postgrad. Scholp. of £60 p.a. by Mrs. Pannell. Award of a Research Fellowship in Chem. of £300 p.a. by Boots Pure Drug Co. Ltd. Establishment of the Evans Pharmaceutical Prize by Evans Medical Supplies Ltd. Gift of valuable tea and coffee service by Dr. E. M. Becket, formerly Lectr. in Educn. Collection of MSS. and books by Lord Middleton; loan of MSS. by Duke of Portland; collection of Nottinghamshire Deeds from the estate of the late W. A. James, formerly Hon. Librarian of Southwell Minster; books from Univs. of Liverpool and St. Andrews, from the Librarian of Congress, Washington D.C., from the Rockefeller Foundation, from the Trustees of the British Museum and from Bernard Granger.

NEW BUILDINGS. Extensions to Refectory Kitchens completed. Considerable progress with the building of new Hall of Residence for 130 students on the Lenton Fields estate. Rebuilding and adaptation of Fydell House, Boston, as a non-residential Adult Education College.

NEW POSTS. Establishment of Chairs of Christian Theol. and Agric. Chem.

EXTRA-MURAL WORK. Number of classes and courses was 245, including 62 Tutorial classes, 86 Sessional classes, 4 Extension Lecture courses, 61 Shorter courses, 26 Short courses, 2 Terminal courses and 4 Short Terminal courses.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. R. F. Nichols (Pennsylvania)—"The Genesis of the Marshall Plan"; Prof. F. E. Adcock (Cambridge)—"The Birth of Scientific History"; Prof. A. H. McDonald (Sydney)—"Theory and Practice of History in Greece and Rome"; Prof. O. L. Richmond (Edinburgh)—"Augustus on the Palatine Hill"; Prof. H. Straumann (Zürich)—"Byron and Switzerland"; Prof. T. Bodkin (Birmingham)—"Bonington the Artist"; T. R. Henn (Cambridge)—"The Last Poems and Plays (1934–1939) of W. B. Yeats"; Prof. d'Ardenne (Liège)—"Middle English Literature"; Prof. J. Fourquet (Strasbourg)—"Wolfram d'Eschenbach et le conte del Graal"; Prof. H. Bach (Aarhus)—"Crusader's Poems in Medieval French and German Literature"; Prof. C. R. Cheney (Manchester)—"King John and the Interdict"; Sir Frederick Rees (Univ. Coll., Cardiff)—"The Dominion of Ceylon"; Sir Raymond Priestley (Birmingham)—"Antarctic Exploration with Shackleton and Scott"; Prof. C. B. Fawcett (Univ. Coll., London)—"The Geographical Bases of the Great Powers"; Rev. Prof. C. E. Raven (Cambridge)—"Religion and Science"; Prof. S. Tolansky (Royal Holloway Coll.)—"New Techniques in Optics"; Prof. C. F. Powell (Bristol)—"Recent Advances in our knowledge of Charged Mesons"; Prof. M. J. Dryvestyn (Delft)—"The Change of Electrical Resistance of Metals with Deformation"; Prof. M. G. Evans (Leeds)—"The Mechanism of Free Radical Reactions involved in Polymerisation"; Dr. J. W. Linnett (Oxford)—"Force Constants and Molecular Structure"; R. P. Bell (Oxford)—"The Kinetics of Halogenation of some Organic Compounds"; Prof. C. A. Coulson (King's Coll., London)—"The Shape of the Chemical Bond"; Prof. A. Robertson (Liverpool)—"Some Metabolic Products of

Moulds"; Prof. P. B. Medawar (Birmingham)—"Individuality in Organisms"; Dr. W. S. Bullough (Sheffield)—"Bird Migration"; Prof. E. L. Crossley (Reading)—"Recent Developments in Dairying"; Dr. R. Aschaffenburg (Reading)—"Tests employed in the examination of Heat Treated Milk"; Prof. J. T. Whetton (Leeds)—"Geophysical Surveying Applied to Mine and Quarry Problems"; Prof. I. G. Van Esbroeck (Ghent)—visit only; Miss M. Godfrey (Sydney) and Mrs. R. Crawford-Mitchell (Pittsburgh)—visit only.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. F. Holdsworth—"Le Théâtre classique moderne" (Sheffield); Prof. L. F. Bates—"New Experiments on the Hysteresis Cycle" (Oxford); Prof. F. E. King—"Three- and Four-Membered Heterocyclic Rings" (King's Coll., Newcastle); "Recent Developments in the Chemistry of Glutamic Acid and its Compounds" (St. Andrews); Dr. D. O. Jordan—"Structure of Nucleic Acids" (Columbia, N.Y.); "Macromolecular Structure of Nucleic Acids and their Relationship to Polyelectrolytes (Princeton and Harvard); "Reactions in Monolayers" (Princeton).

RETIREMENT. Prof. C. H. Bulleid (Civil and Mech. Engin.).

RESIGNATIONS. Rev. G. D. Kilpatrick (Christian Theol.), on appt. a Dean Ireland Prof. of Exegesis of Holy Scripture, Univ. of Oxford; Rev. G. D. Yarnold (Physics), on appt. as Chaplain and Lectr. in Divinity, Lincoln Diocesan Training Coll.; L. D. Cowley (Tutor, Adult Educn.), on appt. to Army Educational Corps; Dr. K. J. Dormer (Bot.), on appt. as Lectr. at Univ. of Manchester; R. G. Robertson (Civil Engin.), on appt. to Chair of Engin., Univ. of Cape Town; Dr. H. E. Street (Bot.), on appt. as Lectr. at Univ. of Manchester; Dr. A. H. John (Asst. Registrar), on appt. as Lectr. in Econ. Hist. at the London School of Economics.

DEATHS. Emeritus Prof. F. S. Kipping (Prof. of Chem., 1897–1921, Sir Jesse Boot Prof. of Chem., 1921–36); Emeritus Prof. P. E. Shaw (Lancashire-Spencer Prof. of Physics, 1926–31); Prof. R. M. Hewitt (Prof. of English Lit., 1925–38).

HONORARY DEGREES. *LL.D.*—The Rt. Hon. Lord Trent, Chancellor of the Univ. of Nottingham; The Rt. Hon. Lord MacMillan, Lord of Appeal. *D.Litt.*—G. M. Trevelyan, Master of Trinity Coll., Cambridge; Sir Walter Moberly, Chairman, Univ. Grants Committee. *D.Sc.*—E. W. Hives, Director and General Manager of Rolls-Royce Ltd.

STUDENTS. Total: 2200; full-time: 2048; pt.-time: 152; the total includes 573 women and 98 postgraduates.

DEGREES. B.D., 1; B.A., 79; M.A., 1; B.Sc. (Econ.), 26; B.Com., 6; LL.B., 1; B.Sc., 106; B.Pharm., 14; M.Sc., 5; Ph.D., 3; B.Sc. (Agric.), 16; B.Sc. (Hort.), 6; B.Sc. (Eng.), 67; B.Sc. Eng. (Min.), 5.

UNIVERSITY OF OXFORD

Founded in the XII[th] Century

CHANCELLOR—Right Hon. THE EARL OF HALIFAX, K.G., G C S.I., G.C I.E., O.M., D.C.L., Hon. Fellow of All Souls.

HIGH STEWARD—Right Hon. VISCOUNT SIMON, G.C.S.I., G C.I.E., LL.D. Camb., Edin., Leeds, Manc., St. And., Sheff., McGill, Tor., Columbia, M.A., D.C.L., Fellow of All Souls, Hon. Fellow of Wadham.

VICE-CHANCELLOR—Very Rev. J. LOWE, D.D Tor , M.A., Dean of Ch. Ch.

PROCTORS—A. B. BROWN, M.A. Worc. ; J. B. BUTTERWORTH, M.A. New Coll.

ASSESSOR OF THE CHANCELLOR'S COURT—C H M. WALDOCK, M.A., B.C.L. All S.

PUBLIC ORATOR—T. F. HIGHAM, M.A. Trin.

BODLEY'S LIBRARIAN—J. N. L. MYRES, M.A. Ch. Ch.

KEEPER OF THE ARCHIVES—W. A. PANTIN, M.A. Oriel.

REGISTRAR—D. VEALE, C.B.E., LL.D. Melb., M.A. C.C.C.

SECRETARY OF FACULTIES—K. C. TURPIN, M.A , B Litt. Or.

ASSISTANT REGISTRAR—C. H. PATERSON, M.A. C.C.C.

SECOND ASSISTANT REGISTRAR—P. C. MELVILLE, M.A. Keble.

NOTE.—The Colleges and Heads of Colleges are given on pp. 357 ff

Telephone : Registry—Oxford 47445.

TEACHING STAFF

Agriculture, v. *infra*

Anatomy, v. also Zoology, Med.

Clark, W. E. Le G., D.Sc. Lond., M.A. Hertf., F.R.C.S., F.R.S. Dr. Lee's Prof.

Weddell, A. G. M., M.A. Or. Reader.

Carleton, Mrs. Alice B., M.A. Som. Lectr. and Demr.

Blackwood, Beatrice M., M.A., B.Sc. Som. (Ethnol.) Lectr. and Demr.

Bradford, J. S. P., M.A. Ch. Ch. (Ethnol.) Lectr. and Demr.

Barer, R., M.B., B.S. Lond., M.A. Hertf. Lectr. and Demr.

Sinclair, D. C., M.A. Or. Lectr. and Demr.

Harrison, R. G., B.M., M.A. Magd. Lectr. and Demr.

Anglo-Saxon

Wrenn, C. L., M.A. Pemb. Rawlinson and Bosworth Prof.

Anthropology, Physical

Weiner, J. S., M.A. Hertf. Reader.

Anthropology, Social

Evans-Pritchard, E. E., M A. All S. Prof.

Micklem, N., M.A., New Coll. Wilde Lectr. in Nat. and Comp. Relig.

Penniman, T. K., M.A. Trin. Curator of Pitt Rivers Museum.

Peristiany, J. G., M.A., D.Phil. Or. Sr. Lectr.

Archæology, v. also Oriental Langs.

Beazley, Sir J. D., M.A. Linc. (Classical A. and Art) Lincoln Prof.

Dunbabin, T. J., M.A. All S. (Classical A.) Reader.

Hawkes, C. F. C., M.A. Keble (European A.) Prof.

Gray, Dorothea H. F., M.A. St. Hu (Homeric A.) Lectr.

Hamilton, R. W., M.A. Magd. (Nr. Eastern A.) Sr. Lectr.

Art

Gombrich, E., M.A (Fine Art) Slade Prof.

Horton, P. F., M.A. New Coll. (Drawing) Ruskin Master.

Assyriology, v. Oriental Languages

Astronomy

Plaskett, H. H., M.A. New Coll., F.R.S. Savilian Prof.

Adam, Madge G., M.A., D.Phil. St. Hu. Lectr and Demr.

Biochemistry, v. also Medicine

Peters, R. A., M.C., M.A. Trin. Whitley Prof.

Carter, C. W., M.A., B.M. Qu. Reader.

Lectrs. and Demrs.

Fisher, R. B., M.A., B.Sc., D.Phil St. Joh

Ogston, A. G., M.A., D.Phil Ball.

Nimmo Smith, R. H., M.A. Univ.

Whittaker, V. P., M.A., D.Phil. B.N.C.

Parsons, D. S., B.M., M.A. Mert.

Stocken, L. A., M.A., D.Phil. St. Cath.

Botany, v. also Agriculture

Osborn, T. G. B., D.Sc. Manc., M.A. Magd. Sherardian Prof.

Readers, Lectrs. and Demrs.

Wilkins, W. H., M.A., D.Phil. Pet. H.

James, W. O., M.A., D.Phil. Or.

Lectrs. and Demrs.

Hoyle, A. C., M.A., B.Sc. Pemb.

Burnett, J. H., M.A. Magd.

Clowes, F. A. L., M.A., D.Phil. Magd. Fielding Curator.

Harley, J. L., M.A., D.Phil. Qu.

Warburg, E. F., Ph.D. Camb., M.A. Ch. Ch. Druce Curator.

Celtic

Foster, I. Ll., M.A. Wales and Jes. Jesus Prof.

Chemistry

Robinson, Sir R., D.Sc. Durh., Liv., Lond., Manc. and Wales, M.A. Magd., P.R.S. Waynflete Prof.

Hinshelwood, Sir C. N., Sc.D. Dub., D.Sc., M.A. Exe., F.R.S. (Phys. C.). Dr. Lee's Prof.

Lectr.

Hume-Rothery, W., M.A., D.Sc. Magd. (Metall.).

Lectrs. and Demrs.

Hope, E., M.A. Magd.

Hammick, D. L., M.A. Or. (Aldrichian Praelector).

Plant, S. G. P., M.A., B.Sc., D.Phil. Magd.

Smith, J. C., M.Sc. N.Z., Ph.D. Manc., D.Sc., M.A. New Coll.

Lambert, J. D., M.A. Trin.

Brewer, F. M., M.A., B.Sc. Linc.

Thompson, H. W., M.A., B.Sc. St. Joh.

Bowen, E. J., D.Sc., M.A. Univ., F.R.S.

Bell, R. P., M.A. Ball.

Parkes, G. D., M.A., B.Sc., D.Phil. Keb.

Waters, W. A., M.A. Ball.

Barltrop, J. A., M.A., B.Sc., D.Phil. B.N.C.

Irving, H. M. N. H., M.A., D.Phil. St. Edm. H.
Staveley, L. A. K., M.A. New Coll.
Linnett, J. W., M.A., D Phil. Qu.
Woodward, L. A., M.A. Jes.
Sutton, L. E., M.A., D.Phil. Magd., F.R.S.
Hodgkin, Dorothy M., M.A., B.Sc Som., F.R.S. (Chem. Crystall.)
Tomlinson, Muriel L., M.A., D Phil. St. Hild.

Assistant to Dr. Lee's Prof.

Danby, C. J , M A., B.Sc., D.Phil. St. Joh.

Classics, v. also Archæol. and Greek and Latin Lit.

Dodds, E. R., M.A. Ch. Ch. (Greek) Reg. Prof.
Fraenkel, E. D. M., Dr. phil. Göttingen, M.A. Camb. and C.C.C. (Latin) Corpus Prof.
Pfeiffer, R. C. F. O., M.A. C.C.C. (Cl Scholarship) Reader.
Watt, W. S., M.A. Ball (Lat. Lit.) Lectr.
Wells, A. F., M.A. Univ. (Lat. Lit.) Lectr.
Barrett, W. S., M A. Keb. (Gk. Lit.) Lectr.

Colonial Administration

Robinson, K. E., M.A. Hertf. Reader.
Carnell, F. G., M.A., B.Litt. Exe. Lectr.

Colonial Economic Affairs

Frankel, S. H., M.A. Nuffield Prof.

Criminology

Grünhut, M., M.A. All S. Lectr.

Crystallography, v. Mineralogy

Diplomatic

Major, Kathleen, M.A., B.Litt. St. Hild. Reader.

Divinity, v. Theology

Economics, v. also Pol. Econ.

Jewkes, J., M.A. Mert. (Ec. Organization) Prof.
MacDougall, G. D. A., M.A. Wadh. Nuffield Reader.
Harrod, H. R. F., M.A. Ch. Ch. Lectr.
Hugh-Jones, E. M., M.A. Keble Lectr
Dowdell, E. G., M.A., D Phil. St. Joh. Lectr.
Wilson, T., M.A. Univ. Lectr.
Hall, Mrs. Laura M., M.A. Som. Lectr.
Ward-Perkins, C. N., M.A. Pemb Lectr.

Education

Jacks, M. L., M.A. Wadh. Director.
Dobinson, C. H., M.A. Wadh. Reader.
Talbot, Elfrida M., M.A. St. Hu. Lectr. and Tutor to Women Students, and Principal of the Women's Hostel

Lectrs. and Tutors

Tomlinson, Leila, M A. Som
Johnston, W. D., M.A. Dub., M A. Wadh.
Spencer, M. M., M.A. Camb., M.A. Ball.
Loukes, H., M.A. Jes.
Goodrich, Rachel M., M.A. St. Hild.
Williams, D. H., M.A. Camb.
Wilkinson, Violet, B.D. Lond.

Egyptology, v. Oriental Langs.

Embryology, v. Zool.

Engineering Science, v. also Surveying

Thom, A., M.A. B.N.C. Prof.
Dick, J., Ph.D. Sheff., M.A. New Donald Pollock Reader.
Wise, B., M.A. Trin. Lectr. and Demr.

English, v. also Anglo-Saxon, Poetry

Wilson, F. P., M.A., B.Litt. Mert. (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.

Everett, Dorothy, M.A. L.M.H. (E. Lang) Reader.

Davis, H. J., M.A. St. Joh. (Textual Criticism) Reader.

Lecturers

Smithers, G. V., M.A. Hertf. (Eng. Lang.).

Leishman, J. B., M.A., B.Litt. St Joh. (Eng. Lit.) Sr Lectr.

Whitelock, Dorothy, M.A. St. Hild. (Old Eng.)

Campbell, A., M.A., B.Litt. Ball. (Med. Eng.).

Coghill, N. H. K A., M.A. Exe. (Eng. Lit.).

Lascelles, Mary M., M.A., B.Litt. Som. (Eng. Lit.).

Gardner, Helen L., M.A. St. Hild. (Eng. Lit.).

Dyson, H. V. D., M.A., B.Litt. Mert. (Eng. Lit.).

Griffiths, Mary E., M.A. St. Anne's (Eng. Lit.).

Lea, Kathleen M., M.A. L.M.H. (Eng. Lit.).

House, A. H., M.A. Wadh. (Eng. Lit.). Sr. Lectr.

Fletcher, R. F. W., M.A. St. Edm. H.

Bateson, F. N. W., M.A., B.Litt. Trin.

Lawlor, J. J., M.A. B.N.C.

Bennett, J. A. W., M.A., D.Phil. Magd.

Forestry, v. also Surveying, Rural Econ.

Champion, H. G , M.A , D.Sc. St. Joh. Prof.

Lectrs and Demrs.

Chalk, L., M.A., D.Phil. Univ.

Day, W. R , M A., B.Sc. Exe.

Chrystal, R. N., D.Sc. Edin , M.A. (Entomol.).

Lloyd, A. H., M.C , M.A. Exe.

Jones, E. W., M.A. Magd.

Brenan, J. P. M., M A. B.N.C.

Dimbleby, G. W., M.A., B Sc. Magd.

Handley, W. R. C., M.A. St. Joh.

Leyton, L , M A. Camb., M A. Qu.

Macgregor, J. J., M A , B.Litt. Ball.

Anderson, M. L., M.A. Linc.

French Language and Lit.

Seznec, J. J., M.A. All S. (Fr. Lit.) Foch Prof.

Starkie, Enid M., M A., D Litt. Som. (Fr. Lit) Reader.

Lecturers

Moore, W. G., M.A. St Joh.

Robson, C. A., M A., B.Litt. Ch. Ch. (Philol. and Old F. Lit.).

Francis, Elizabeth A., M.A. St. Hu.

Sutherland, Mrs. D. Rhoda, M.A. L.M.H.

Chesney, Kathleen, M.A., D.Phil. St. Hild.

Crow, A. D., M.A., B.Litt. Or.

Macdonald, I., M.A. Qu.

Taylor, F. A., M.A. Ch. Ch.

Sayce, R. A., M.A., D.Phil. Worc.

Barnes, Mrs. Annie M., M.A., D.Phil. St. Anne's.

Gerard Davis, Mrs. Mary I., M.A. St. Hild.

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.

Gill, A., M.A. Magd.

Geography, v. also Surv.
Mason, Col. K., M.C., M.A. Hertf. Prof.
Gilbert, E. W., M.A., B Litt Hertf. (Human G.) Reader.
Gullick, C. F. W. R., M.A., B.Litt. Qu. (Econ. G.) Sr. Lectr.
Steel, R. W., M.A. Jes. Lectr.
Martin, A. F., M.A. St. Joh. Lectr.
Beckinsale, R. P., M.A., D.Phil. St. Cath. Lectr.
Marshall, Mary, M.A. L.M.H. Lectr.

Geology
Wager, L. R., M.A., Sc.D. Camb., M.A. Univ. Prof.
Sandford, K. S., M.A., D.Phil., D.Sc. Univ. (Pleistocene G.). Reader.

Lectrs. and Demrs.
Harrison, J. V., M.A. Ch. Ch.
McKerrow, W. S., M.A. Univ.
Whitworth, T., M.A. Or.

Graduate Asst.
Edmonds, J. M., M.A., B.Sc. St. Edm. H.

Geometry
Titchmarsh, E. C., M.A. New Coll. Savilian Prof.

German
Boyd, J., 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., M.A. Magd. Lectr.
Sayce, Mrs. Olive L., M.A. St. Hu. Lectr.
Williams, W. D., M.A. St. Joh. Lectr.
Barlow, D., M.A. Qu. Lectr.

Greek, Byzantine and Modern Lang. and Lit.
Trypanis, C. A., M.A. Exe. Bywater & Sotheby Prof.
Fletcher, R. A., M.A. Trin. (Mod. G.) Lectr.

Greek and Latin Lit.

Lecturers
Platnauer, M., M.A., B Litt. B N.C.
Levens, R. G. C., M.A Mert.
Hardie, C. G., M.A. Magd.
Griffith, J. G., M.A. Jes

Hebrew, v. Oriental Langs.

History, American
Jensen, M., M.A. Qu. (Columbia Univ.) H. V. Harmsworth Prof.

History, Ancient, v. also Archæol.
Syme, R., M.A. B.N.C., F.B.A. Camden Prof
Wade-Gery, H. T., M.C., M A. New Coll. Wykeham Prof.

Lecturers
Andrewes, A., M A. New Coll.
Balsdon, J. P. V. D., M.A. Exe
Sherwin-White, A. N., M.A. St. Joh.
Henderson, Mrs. Mary I., M.A. Som.
Chilver, G. E. F., M.A., D.Phil. Qu.
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.).

History of the British Empire
Harlow, V. T., M.A., D.Litt. Ball Beit Prof
Madden, A. F., M.A., B.Litt. Ch. Ch. Beit Lectr.

History, Eccl., v. Theology

History, Econ., v. Pol. Econ.

History, Indian
Davies, C. C., Ph.D. Camb., M.A. Ball. Reader.

History, Mediæval

Lecturers

McKisack, May, M A , B.Litt. Som (Tudor Historiog.).
Pantin, W. A , M.A. Or. (Med. Archæol).

History, Modern, v. also Dipl.

Galbraith, V. H., M.A. Or. Reg Prof.
Jacob, E. F., M.A., D.Phil All S., F B.A., F.S A Chichele Prof
Woodward, E. Ll., M A Worc. Prof.
Beloff, M., B.Litt., M A. C.C.C. (Comp. Study of Institutions) Reader.

Lecturers

Goodwin, A., M.A. Jes. (Revol. and Napoleonic Period).
Wernham, R. B., M.A. Trin.
Gibbs, N H , M A , D Phil Mert.
Cox, A. D M., M A Univ.
Taylor, A. J. P., M.A. Magd.
Davies, Rev. R. T., M.A. St Cath. (Spanish Hist)
Hurnard, Naomi D , M A , D Phil. L.M.H.
Armstrong, C. A. J., M.A Hertf.
Southern, R W., M.A. Ball.
Smalley, Beryl, M.A St. Hild
Hill, J. E. C., M.A. Ball.
Reeves, Marjorie E., M.A. St. Anne's.
Ramsay, G. D , M.A., D Phil. St. Edm. H.
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., Trin.
Ogg, D., M.A. New Coll. (17th Cent.).
Rodger, A. B., M.A. Ball.
Bullock, A. L. C., M.A. New Coll.
Jolliffe, J. E. A., M.A. Keble.
McFarlane, K. B., M.A. Magd. (Late Med.).

History of War

Falls, C. B., M.A. 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.

Italian

d'Entrèves, A. P., M.A., D.Phil. Magd Serena Prof.
Grayson, C., M.A. St. Edm. H. Lectr.

Law, v. *infra*

Local Government

Keith-Lucas, B., M.A. Qu. Sr. Lectr.

Logic

Price, H H , M.A , B Sc. New Coll. Wykeham Prof.

Mathematics

Milne, E. A., D.Sc., 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., D.Sc., M.A. Hertf.
Thompson, E. C., M.A. Jes.
Kendall, D. G., M.A. Magd.
Busbridge, Ida W., M.A., D.Phil. St. Hu.
Mauldon, J. G., M.A. Jes. Jr. Lectr.
Scoins, H. I., B.A. B.N.C. Jr. Lectr.
Bell, G. M., B.A. Mert. Jr. Lectr.

Mathematics, Pure

Whitehead, J. H. C., M.A. Magd. Waynflete Prof.

Medicine, v. *infra*

Meteorology, v. also Philos. Expl
Brewer, A. W. Lectr.

Mineralogy and Crystallography
Spiller, R. C., M A. Cath. (Min) Reader
Powell, H. M , M A , B Sc. St Joh. (Chem. Crystallog) Reader
Goodman, N. R., M.A , D.Phil. Exe. (Min.) Lectr.

Music
Westrup, J A , B.Mus , M.A., Hon. D.Mus. Wadh. Heather Prof.
Wellesz, E J , M A , Hon D Mus. Cinc. (Byzantine M.) Reader.
Armstrong, T. H. W., M.A , D Mus Ch. Ch Choragus and Lectr.
Andrews, H K , M A , D.Mus New Coll. Lectr.
Rubbra, C. E , M.A Worc. Lectr.

Numismatics
Robinson, E S G , M.A. Ch Ch 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
Roberts, C. H , M.A. St Joh. (Documentary P.) Reader.
Hunt, R. W., M.A., D.Phil. Ball. (P. and transmission of Class. Lat. Texts) Lectr.

Philology, Comparative
Braunholtz, G. E. K., M.A. Worc. Prof.

Philosophy
Minio-Paluello, L., M.A., D.Phil. Or. (Med. P.) Sr. Lectr.

Lecturers
Mabbott, J. D., M.A. St. Joh.
Hardie, W. F R., M.A. C C.C.
Berlin, I , M A All S.
Kneale, W C , M A Exe
Austin, J. L , M A Magd
Robinson, R G F , M A , B Litt. Or
Macnabb, D. G C , M A Pemb
Paul, G. A , M A Camb , M.A. Univ.
Woozley, A D , M A Qu
Cox, H. H., M A Linc
Walsh, W H , M A Mert
Grice, H. P., M.A. St. Joh.
Cross, R. C., M.A. Jes
Weldon, T. D , M.A. Magd
Urmson, J O , M.A Ch Ch
Hart, H. L A , M A New Coll

Philosophy, Experimental
Cherwell, Lord, M.A. Wadh and Ch Ch , F.R.S. Dr. Lee's Prof.
Waismann, F., M A. New Coll. (P. of Maths) Reader
Toulmin, S. E., M A. Camb., M.A. New Coll. (P. of Science). Lectr.

Lectrs and Demrs. (Physics)
Dobson, G. M. B., M.A., D Sc. Mert , F.R.S. (Meteorol.) (title of Prof)
Keeley, T. C., M.A. Wadh.
Cooke, A. H , M.A , D.Phil New Coll
Collie, C H , M A Ch. Ch.
Griffiths, J H. E., M A , D.Phil. Magd.
Kuhn, H. G., M.A. Univ.
Kurti, N., M.A. B.N.C.
Bleaney, B., M.A., D.Phil. St. Joh., F.R.S.
Rollin, B. V., M.A , D.Phil. Wadh
Roaf, D , M.A., D.Phil 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
Paton, H. J., LL.D. St. And, M.A., D Litt. C.C.C.
White's Prof

Philosophy, Natural
Chapman, S, M.A. Qu, F.R.S.
Sedleian Prof.

Physics
Pryce, M H L, M A New Coll
Wykeham Prof.
Hurst, C., M.A., D.Phil. Jes.
Lectr.
de Wet, J. S, M A. Ball. (Math P)
Lectr
Rushbrooke, G S, M.A. Ball. (Theoret. P) Sr. Lectr.

Lectrs and Demrs
Mendelssohn, K. A G., M A.
Wadh.
Davies, W T., M A. Keb.
Price, F V., M.A, B.Sc. New Coll.

Physiology, v also Medicine
Liddell, E. G. T., D M. Magd.
Waynflete Prof.

Lectrs. and Demrs
Creed, R. S, D M. New Coll
Leach, E. H, M A, B Sc. B N C.
Glees, F. P., M A., D.Phil St Cath
Gordon, G., B M., M.A., B.Sc. B.N.C.
Phillips, C. G., B M., M.A., B.Sc. Trin.

Sr. Research Officer
Baxter, I. G.

Poetry
Bowra, C. M., LL D. Dub., M.A., D Litt., F B A, Warden of Wadh. Prof.

Political Econ
Henderson, Sir H. D., M.A All S.
Drummond Prof.
Habakkuk, H. J., M.A. Camb., M.A. All S. Chichele Prof.
Lennard, R V, M.A. Wadh (Ec. Hist.) Reader.
Schenk, H. G. A V., M A., D Phil. Exe. (Eur. Econ and Social Hist.) Lectr.

Political Theory and Institns.
Wheare, K C, M A. All S.
Gladstone Prof. of Govt and Pub. Admin.
Cole, G D H, M.A All S.
Chichele Prof. of Social and Political Theory.
Plamenatz, J. P., M A. All S. (Soc. and Polit Theory) Lectr.

Politics
Lecturers
Harrison, W, M A. Qu
Nicholas, H. G, M A. Exe.
Wilson, C. H, M A C C.C.
Briggs, A, M A Worc.
Hicks, Mrs Ursula K, M A. Som (Pub Finance)
Seton-Watson, G H. N., M.A. Univ.

Portuguese Studies
Vidigal, B J. da S. Lectr.

Psychology (Institute of Experimental)
Humphrey, G., M A. Magd.
Prof and Director
Zangwill, O L, M A. New Coll
(Gen. P.). Sr. Lectr
Curle, C. T W, M A, B Sc Exe
Lectr
Babington-Smith, B., M A Camb., M.A. New Coll. Lectr.
Foss, B. M., M.A. Exe. Jr. Lectr.

Religion, v. Theology

Romance Lang.
Ewert, A., M.A. Trin. Prof.

Rural Economy, v. *infra*, Agriculture

Russian

Konovalov, S., M.A., B.Litt. New Coll. Prof.

Obolensky, Prince D, M.A. Ch. Ch. (R and Balkan Mediæval Hist.). Reader.

Gorodetzky, Nadejda, M A, B. Litt, D.Phil St. Hu. Lectr.

Vickery, W. N., B.A. Or. Lectr.

Hayward, H.M., B.A. Magd. Lectr.

Scientific Experiment, Design and Analysis of

Finney, D. J., M A Or. Lectr

Sociology

Mogey, J M, D.Sc Belf, M A. Univ. Lectr

Spanish

Entwistle, W J, M A Exe King Alfonso XIII Prof.

Kolkhorst, G A., M.A Exe. Reader

Jiménez, Don A., Hon. M.A. Lectr.

Russell, P E. L R, M A Qu. (Span Studies) Lectr

Jones, C. A, M.A. Magd. Lectr.

Spectroscopy

Jackson, D A, M.A, D Sc Ball Lectr. (title of Prof.)

Statistics

Champernowne, D. G., M.A New Coll. Prof.

Burchardt, F. A., M.A. Magd. Dir. of Inst and Reader in Econ. of 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., M.A. B.N.C. Reader.

Robbins, A. R., M.A. Hertf. Lectr.

Taxonomy, Animal

Cain, A. J., M.A., D.Phil. Magd (Demr. and Lectr.).

Theology, v. *infra*

Thermodynamics

Simon, F, M A Ch Ch. Prof. (by decree).

Zoology and Comp Anat, and Zoological Field Studies, v. also Agric.

Hardy, A C., M.A., D.Sc Mert. Linacre Prof

Varley, G. C., Ph.D. Camb, M A. Jes (Entomol) Hope Prof

Readers

Elton, C. S., M.A C C C (Animal Ecology)

Ford, E B, M A, D Sc. Wadh (Genetics).

Woods, D. D, M A. Univ (Microbiol).

Tucker, B W, M A Qu (Ornith) Reader, Lectr. and Demr.

Baker, J. R., M A, D Phil., D Sc. New Coll. (Cytology) Reader, Lectr and Demr.

Tinbergen, N., M A. Mert (Animal Behaviour) Lectr.

Lectrs. and Demrs

Needham, A E., M A, B.Sc St. Joh

Holmes, W., M.A., D.Phil. St. Joh.

Pusey, H. K, M.A. St. Edm H (Embryol) Jenkinson Lectr.

Chrystal, R N, D Sc. Edin., M A. (Forest Entomol)

Grad. Asst.

Hobby, B. M., M.A., D Phil. Qu (Entomol.).

Sr. Research Officers

Lack, D., M.A. Camb., M.A. Magd. (Ornith.).

Hartley, P H T., M.A. Qu. (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.

Lectrs. and Demrs

Amery, G D, M A B N.C
Clarke, G R., M A, B Sc Or. (Rural Economy)
Ellis, J C B, M.A Jes. (Physics & Chem).
Hoyle, A C, M A, B Sc. Pemb (Bot)
Russell, R Scott, 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.) Lectr

Librarian

Shepherd, R T., M.A. Jes

Agrarian Affairs (Institute)

Maxton, J P, M A, B Litt Ball. Director.

Agr Economics (Agr Econ Research Inst)

Ashby, A W., M A. Linc. Director

Lectrs. and Demrs.

Hunt, K E., M A. Exe.
Hirsch, G. P. H., M.A. Linc.
Britton, D. K., M.A. St. Edm. H.

Research Officers

Dixey, R N, M A St Joh
Beecham, H A, M A Som
Manning, P. A, M.A Manc, Ph D. Lond.
Rhee, H A, M A St Cath
Hewlett, R. D., B.Com. Lond.
Dudman, R. A., B.A. St. Cath.

Librarian

Smyth, E S, B A. Bristol.

Law

Civil

Jolowicz, H. F., M.A., LL.D. Camb., M.A., D.C.L. All S. Reg. Prof.

Comparative

Lawson, F H., M A, D C L. B.N.C. Prof

Criminal, and Evidence

Landon, P. A, 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.
Cowen, Z., M A., B.C L. Or.
Cross, A. R N., M.A, B.C L. Magd.

International (Private)

Morris, J H C, M A, D C L. Magd All Souls Lectr.

International (Public)

Waldock, C H M, M A, B C.L. All S Chichele Prof

International Relations

Headlam-Morley, Agnes, M A., B Litt St Hu. Montague Burton Prof.

Jurisprudence

Goodhart, A. L., K.B E., D.C.L. Univ. Prof.

Roman

Nicholas, J. K. B. M., M.A. B.N.C. All Souls Reader.

Roman-Dutch

Lee, R. W., D.C.L. All S. 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. Edin. Nuffield Prof.

Lampe, Rev. G. W. H., M.A. St. Joh. (Early Church Hist. and Patristic Studies) Lectr.
Kemp, Rev. E. W., M.A., B.D. Exe. (Canon Law) Lectr.
Kelly, Rev. J. N. D., M.A. St. Edm. H. (Patristic Studies) Lectr.

Divinity

Hodgson, Rev. Canon L., S.T.D., D.C.L., D D. Ch. Ch. Reg. Prof.
Cross, Rev. Canon F. L., M.A., D Phil. 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. Reg. Prof.

Exegesis

Kilpatrick, Rev. G. D., D.D. New Coll. Dean Ireland's Prof.

Interpretation of Holy Script

..... Oriel Prof.

Moral and Pastoral Theology

Demant, Rev. Canon V. A., D.Litt., M.A. Ch. Ch. Reg. Prof.

Nat. and Comparative Religion

Micklem, N., M.A. New Coll. Wilde Lectr.

Philos. of Christian Religion

..... Nolloth Prof.
Farrer, Rev. A. M., D.D. Trin. Lectr.
Mascall, Rev. E. L., M.A., B.D. Camb., D.D. Ch. Ch. Lectr.

Septuagint

Brockington, L. H., M.A. St. Cath. Grinfield Lectr.

George Eastman Visiting Prof.
Suspended.

Bampton Lecturer
(alternate years)

1952, Milburn, Rev. R. L. P., M.A. Worc.

Romanes Lecturer

1950, Cockcroft, Sir John D., C.B.E., M.A., Ph.D. Camb., M.Sc. Manc., Hon. LL.D. Tor., Hon. D.Sc., F.R.S.

Ford's Lecturer in English Hist.

1949–50, Clark, G. N., M.A., D.Litt., Provost of Or.
Subject—*King James I and Dutch "Imperialism" in Asia.*
1950–51, Richmond, I. A., M.A. C.C.C.

Herbert Spencer Lecturer

1950, Darlington, C. D., F.R.S. Dir. of John Innes Hortic Inst.
Subject — *The Coming of Genetics.*

Halley Lecturer

1950, Bullard, E. C., M.A., Ph.D., Sc.D. Camb., F.R.S.
Subject—*The Origin of the Earth's Magnetic Field.*

Sidney Ball Lecturer in Econ.

1950, Dolléans, Prof. E.
Subject—*Three points of Contact between France and Great Britain (1862–1912–1943): Significant Movements in the History of the Working-class Movement.*

Sir Basil Zaharoff Lecturer

1950, Green, F C., M.A., Ph.D. Camb.
Subject—*Rousseau and the Idea of Progress.*

Taylorian Lecturer

1950, Sarrailh, Prof. J.
Subject — *Conséquences littéraires de l'émigration espagnole au début du XIX^e siècle*
[Not delivered.]

Rhodes Memorial Lecturer

.....

Frazer Lecturer (Social Anthropology — Oxford, Cambridge, Glasgow, Liverpool in rotation).

1949–50—at Liverpool.

Ratanbai Katrak Lecturer

(Study of Religion of Zoroaster)

Henning, W. B., Ph.D. Göttingen.

University Extension

Lecturers employed under the direction of the Extra-mural Studies Delegacy (about 30), *see* p. 386.

THE COLLEGES

ALL SOULS COLLEGE. Founded 1438. Tel. No.: Oxford 2606.
Warden—B. H. Sumner, M.A., F.B.A.

Fellows

Simon, Rt. Hon. Viscount, G.C.S.I., G.C.V.O., M.A., D.C.L., LL.D., K.C.

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., M.A., D.Litt., Litt.D., *Librarian.*

Archibald, J. G., M.A.

Somervell, Rt. Hon. Sir Donald B., O.B.E., LL.D., M.A.

Faber, G. C., M.A., *Estates Bursar.*

Curtis, L. G., M.A., *Sr. Dean.*

Lee, R. W., D.C.L., LL.D., F.B.A., *Rhodes Prof. of Roman-Dutch Law.*

Jacob, E. F., M.A., D.Phil., F.B.A., F.S.A., *Chichele Prof. of Mod. Hist.*

Greene, Rt. Hon. Lord, O.B.E., M.C., C.G., M.A., D.C.L., LL.D.

Swinton, Sir Ernest D., K.B.E., C.B., D.S.O., M.A.

Foster, J. G., M.A., *Sub-Warden.*

Amery, Rt. Hon. L. C. M. S., C.H., M.A., D.C.L.

Rowse, A. L., M.A., *Domestic Bursar.*

Hudson, G. F., M.A.

Sparrow, J. H. A., O.B.E., M.A.

Wilberforce, R. O., M.A.

Salter, Sir J. Arthur, G.B.E., K.C.B., M.A., D.C.L., LL.D.

Henderson, Sir H. D., M.A., *Drummond Prof. of Polit. Econ.*

Plamenatz, J. P., M.A., *U. Lectr.* (*Soc. and Polit. Phil.*).

Campbell, A. H., M.A., B.C.L.

Macartney, C. A., M.A.

Routh, D. A., M.A.

Hampshire, S. N., M.A.

Dunbabin, T. J., D.S.O., M.A., *Reader* (*Classical Archæol.*).

Brook, Rev. V. J. K., M.A., *Chaplain.*

Butler, R. D'O., M.A.

Radhakrishnan, Sir S., M.A., D.Litt., LL.D., D.L., F.B.A.

Cole, G. D. H., M.A., *Chichele Prof. of Soc. and Polit. Theory.*

Wheare, K. C., M.A., *Gladstone Prof. of Government and Public Admin.*

Joseph, Sir K. S., Bt., M.A.

Holloway, C. J., M.A.

Carr, A. R. M., M.A.

Evans-Pritchard, E. E., M.A., *Prof. of Soc. Anthropol.*

Falls, C. B., C.G., M.A., *Chichele Prof. of the Hist. of War.*

Fisher, H. A. P., M.A.

Butler, L. H., M.A.

Waldock, C. H. M., C.M.G., O.B.E., M.A., B.C.L., *Chichele Prof. of Pub. Internat. Law.*

Jolowicz, H. F., M.A., LL.B. Camb., M.A., D.C.L., *Regius Prof. of Civil Law.*

Young, G. M., M.A.

Little, I. M. D., M.A.

Cooper, J. P., M.A.

Monteith, C. M., M.A., B.C.L.

Hanbury, H. G., M.A., D.C.L., *Vinerian Prof. of Eng. Law.*

Quinton, A. M., B.A.

Habakkuk, H. J., M.A. Camb., M.A., *Chichele Prof. of Econ. Hist.*

Seznec, J. J., M.A., *Foch Prof. of French Lit.*

Readers and Lectrs.

Fifoot, C. H. S., M.A., *Reader (English Law).*

Nicholas, J. K. B. M., M.A., *Reader (Roman Law).*

Morris, J. H. C., M.A., D.C.L., *Lectr. (Private International Law).*

Grünhut, M., M.A., *Lectr. (Criminology).*

BALLIOL COLLEGE. Founded 1263–1268. Tel. No.: Oxford 47244.

Master—Sir David L. Keir, M.A., Hon. LL.D. Glas.

Fellows

Rodger, A. B., M.A., *Jowett Fellow, Mod. Hist. Tutor, Dean, Dean of Degrees, U. Lectr. (Mod. Hist.).*

Tylor, T. H., M.A., B.C.L., *Jowett Fellow, Tutor (Jurispr.), Estates Bursar, U. Lectr. (Law).*

Bell, R. P., M.A., F.R.S., *War Memorial Fellow, Jowett Fellow, and Sr. Tutor (Nat. Sci.), U. Lectr. and Demr. (Chem.).*

Cairns, Sir H. W. B., K.B.E., M.B., B.S. Adel., M.A., D.M., F.R.C.S., *Nuffield Prof. of Surg.*

Burn, J. H., M.A., *Prof. of Pharmacol.*

Southern, R. W., M.A., *A. L. Smith Memorial Fellow and Tutor in Mod. Hist., U. Lectr. (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., *Tutor and War Memorial Lectr. in Mod. Hist.*

Watt, W. S., M.A., *Craig-Sellar Fellow, Tutor in Classics and Jowett Lectr. in the Classical Langs. and Lit.*

Meiggs, R., M.A., *Duncan Campbell Macgregor Fellow, Tutor in Anc. Hist., War Memorial Lectr., 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., *Tutor in Natural Science, U. Lectr. and Demr. (Org. Chem.).*

MacCarthy, Rev. F. L., M.A., *Chaplain.*

Corbett, J. P., M.A., *Tutor in Philos. and Jowett Lectr. in Philos.*

Hunt, R. W., M.A., D.Phil., *Sr. Research Fellow, U. Lectr. (Palæog. of Transmission of Class. Lat. Texts).*

Hodgkin, T. L., M.A., *Professorial Fellow.*

Balogh, T., M.A., *Tutor in Econ.*

Maxwell, J. C., M.A., *Andrew Bradley Fellow.*

de Wet, J. S., M.A., *Tutor in Maths., U. Lectr. (Math. Physics).*

Williams, E. T., M.A., *Fawkes Memorial Fellow, Tutor in Pol. and Mod. Hist., and Sr. Tutor.*

Keen, H. H., M.A., *Professorial Fellow.*

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.*

Stretton, H., B.A., *Tutor in Mod Hist.*

Harlow, V. T., M.A., D.Litt., *Beit Prof. of the History of the British Empire.*

Streeten, P. P., B.A., *Tutor in Economics.*

Finer, S. E., M.A., *Jr. Research Fellow.*

BRASENOSE COLLEGE. Founded 1509. Tel. No.: Oxford 2281.

Principal—H. M. Last, LL.D. Edin., Litt.D. Dub., M.A.

Fellows

Holroyd, M., M.A., F.S.A., *Tutor and Sr. Dean.*

Platnauer, M., M.A., B.Litt., *Vice-Principal, Tutor, U. Lectr. (Gk and Latin Lit.).*

Spalding, K. J., M.A., *Supernum. Fellow, Tutor.*
McKie, J. I., M.A., *Sr. Tutor.*
Grant, A. D., M.A., F.L.A.S., *Bursar.*
Cohn, E. S., M.A., *Tutor.*
Collieu, E. G., M.A., B.Litt., *Tutor, Sr. Dean.*
Meek, C. K., M.A., D.Sc., *Supernum. Fellow, Tutor.*
Thom, A., M.A., *Prof. of Engin. Science.*
Shackleton, R., M.A., *Tutor, Librarian.*
Gordon, G., D.M., M.A., B.Sc., *Tutor, Jr. Dean, U. Lectr. and Demr. (Physiol.).*
Nicholas, J. K. B. M., M.A., *Tutor, All Souls Reader in Roman Law.*
Maudsley, R. H., M.A., B.C.L., LL.B., *Tutor.*
Styler, L. M., M.A., *Chaplain.*
Kurti, N., M.A., Ph.D., *Sr. Research Fellow, U. Demr. (Phys.).*
Barltrop, J. A., B.Sc., M.A., D.Phil., *Tutor, U. Demr. and Lectr. (Chem.).*
Lawson, F. H., M.A., 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.*
Warnock, G. J., B.A. (*Phil.*).

Lecturers

Amery, G. D., M.C., M.A. (*Agric.*), *U. Lectr. (Hist. and Econs. of Agric.)*
Thompson, J. H. C., M.A., D.Phil. (*Maths.*).
Gullick, C. F. W. R., M.A., B.Litt. (*Geog.*), *U. Lectr. (Econ. Geog.).*
Wilson, S. S., M.A. (*Engin.*).
Lawlor, J. J., M.A. (*English*).
Williams, P. M., M.A. (*Pol.*).
Bliss, A. J., M.A., B.Litt. (*Eng. Philol.*).

CHRIST CHURCH. Founded 1546. Tel. No.: Oxford 2202.

Dean—Very Rev. J. Lowe, D.D. Tor., M.A., Vice-Chancellor.

Canons

Jenkins, Rev. C., D.D., F.S.A., *Sub-Dean, Regius Prof. of Eccles. Hist.*
Danby, Rev. H., D.D., F.R.C.O., *Treasurer of the Chapter, Regius Prof. of Hebrew.*
Allen, Rt. Rev. G. B., D.D., *Archdeacon of Oxford.*
Hodgson, Rev. L., M.A., D.D., D.C.L., *Regius Prof. of Divinity.*
Cross, Rev. F. L., B.Sc. Lond., M.A., D.Phil., *Lady Margaret Prof. of Divinity.*
Demant, Rev. V. A., D.Litt., *Regius Prof. of Moral and Pastoral Theol.*

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.*
Heaton, T. B., O.B.E., D.M., *Tutor, Dr. Lee's Reader in Anat.*
Cherwell, Rt. Hon. F. A., Lord, Ph.D. Berl., M.A., LL.D. Aberd., F.R.S., *Dr. Lee's Prof. of Exp. Philos.*
Taylor, F. A., M.A., *Tutor, U. Lectr. (French).*
Harrod, H. R. F., M.A., *Tutor, U. Lectr. (Econ.).*
Myres, J. N. L., M.A., *Bodley's Librarian.*
Grant-Bailey, S. N., M.A. Ox. and Camb., LL.M. Camb., *Tutor.*
Collie, C. H., B.Sc., M.A., *Tutor, Dr. Lee's Reader in Phys., U. Demr. and Lectr. (Physics).*
Page, D. L., M.A.
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 Professor of Greek.*
Gray, E. W., M.B.E., M.A., *Sr. Censor and Tutor.*
Armstrong, T. H. W., M.A., D.Mus., *Choragus, U. Lectr. (Music).*
Simon, F. E., C.B.E., Ph.D. Berl., M.A., F.R.S., *Prof. of Thermodynamics (by Decree).*
Sutherland, C. H. V., M.A., D.Litt., *U. Lectr. (Numismatics).*

Stahl, E. L., M.A., *Reader (German Lit.)*.
Bosanquet, C. I. C., M.A., *Treasurer*.
Mascall, Rev. E. L., B.Sc. Lond., D.D., *Tutor, U. Lectr. (Philos. of Relig.)*.
Trevor-Roper, H. R., M.A., *Tutor and Jr. Censor*.
Urmson, J. O., M.C., M.A., *Tutor and Sec., U. Lectr. (Philos.)*.
Watson, J. S., M.A., *Tutor*.
Hill, Lt.-Col. D. V., M.A. (*Steward*).
Blake, R. N. W., M.A., *Tutor*.
Jacobsthal, P., D.Phil. Bonn, M.A., F.S.A.
Stuart, C. H., M.A.
Gardner, A. D., D.M., *Regius Prof. of Medicine*.
Bueno de Mesquita, D. M., Ph.D. Camb., M.A., *Tutor*.
Stewart, J. I. M., M.A., *Tutor*.

Lecturers

Gillams, J. L., M.A.
Pears, D. F., M.A.
Wilson, R., M.A.
Flew, A. G. N., M.A.
Ladd, C. A., M.A.
Sargent, J. R., B.A.

CORPUS CHRISTI COLLEGE. Founded 1517. Tel. No. : Oxford 2622.

President—W. F. R. Hardie, M.A.

Fellows

Phelps, W., M.A., *Tutor*.
Pidduck, F. B., M.A., D.Sc., *Tutor*.
Geary, F. C., M.A., *Sr. Tutor*.
Veale, D., C.B.E., LL D. Melb., M.A., *U. Registrar*.
Fraenkel, E. D. M., D.Phil. Göttingen, M.A., F.B.A., *Corpus Prof. of Latin*.
Elton, C. S., M.A., *Sr. Research Fellow, Reader (Animal Ecol.), U. Demr. (Zool. and Compar Anat.)*.
Paton, H. J., LL.D. Glas., M.A., D.Litt., F.B.A., *White's Prof. of Moral Philos.*
Lepper, F. A., M.A., *Dean, U. Lectr. (Anc. Hist.)*.
Wilson, C. H., M.A., *U. Lectr. (Politics)*.
Evans, Rev. C. F., M.A. Camb., *Chaplain, Lectr. (Div.)*.
Brock, M. G., M.A., *Jr. Research Fellow*.

Librarian

Wallace-Hadrill, J. M., M.A.

Bursar.

James, Major N. D. G., M.C., M A.

Other Lecturers

Hammick, D. Ll., M.A. Or. (*Nat. Sc.*), *Aldrichian Prælector and U. Demr. (Chem.)*.
Tylor, T. H., M.A., B.C.L. Ball. (*Jurisprud.*), *U. Lectr. (Law)*.
Ward-Perkins, C. N., M.A. (*Econ.*), *U. Lectr. (Econ.)*.
Bateson, F. N. W., M.A., B.Litt., (*Engl. Lit.*).
Stone, L., M.A. (*Hist.*).

EXETER COLLEGE. Founded 1314. Tel. No. : Oxford 4681.

Rector—E. A. Barber, M.A., F.B.A.

Fellows

Coghill, N. H. K. A., M.A., *Dean, Lectr. (Engl.), U. Lectr. (Engl. Lit.)*.
Balsdon, J. P. V. D., M.A., *Acting Bursar, Tutor, Lectr., and U. Lectr. (Anc. Hist.)*.
Entwistle, W. J., LL.D. Aberd., Litt.D. Penn., M.A., *King Alfonso XIII Prof. of Spanish Studies*.
Kneale, W. C., M.A., *Sr. Tutor, Lectr., and U. Lectr. (Philos.)*.
Hinshelwood, Sir C. N., Sc.D. Dub., M.A., D.Sc., F.R.S., *Dr. Lee's Prof. of Chem.*
Nicholas, H. G., M.A., *Librarian, Lectr. (Politics and Mod. Hist.), U. Lectr. (Politics)*.

Barr, W. G., M.A., *Sub-Rector, Tutor, Lectr.* (*Mod. Hist.*).
Kemp, Rev. E. W., M.A., B.D., *Chaplain, Lectr.* (*Theol. and Med. Hist.*), *U. Lectr.* (*Canon Law*).
Trypanis, C. A., M.A., *Bywater and Sotheby Prof. of Byz. and Mod. Gk. Lang. and Lit.*
Sanders, F. K., M.A., D.Phil., *Staines Medical Res. Fellow.*
Barrow, R. F., M.A., D.Phil., *Tutor, Lectr.* (*Chem.*).
Barter, G. H., M.A., *Bursar.*
Hall, G. D. G., M.A., *Lectr.* (*Law*).
Parson, D. H., M.A., *Jr. Research Fellow.*

Emeritus Fellow
Atkinson, C. T., M.A.

Other Tutors and Lecturers
Struth, M. Le V., M.A. (*French*).
Brockington, L. H., M.A. Cath. (*Hebrew*).
Ward-Perkins, C. N., M.A. Pemb. (*Econ.*).
Engel de Janosi, A. H., M.A., D.Sc. Ch. Ch. (*Physics*).
Barlow, D., M.A. Qu. (*German*).
Parsons, D. S., B.M., M.A. (*Physiol.*).

Catechist
Rt. Rev. The Lord Bishop of Lincoln.

Assistant Chaplain
Parker, Rev. T. M., M.A.

HERTFORD COLLEGE. Founded 1874. Tel. No.: Oxford 2234.
Principal—N. R. Murphy, M.A.

Fellows

Hignett, C., M.A., *Sr. Tutor, 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. and U. Lectr.* (*Maths.*).
Markham, F. M. H., M.A., *Dean of Degrees, Lectr.* (*Mod. Hist.*).
Mason, Col. K., M.C., M.A., *Prof. of Geog.*
Armstrong, C. A. J., M.A., *Lectr.* (*Mod. Hist.*), *Dean.*
Clark, W. E. Le Gros, D.Sc. Lond., M.A., F.R.C.S., F.R.S., *Dr. Lee's Prof. of Anat.*

Chaplain
Hinde, Rev. R. S. E., M.A., B.Litt., *Sr. Tutor.*

Other Lecturers
Wilkins, W. H., M.A., D.Phil. (*Nat. Sci.*), *U. Reader* and *Demr.* (*Bot.*).
Gilbert, E. W., M.A., B.Litt. (*Geog.*), *Reader* (*Human Geog.*).
Brewer, F. M., M.B.E., B.Sc., M.A. (*Nat. Sci.*), *U. Demr. and Lectr.* (*Chem.*).
Smithers, G. V., M.A. (*English*), *U. Lectr.* (*Engl. Lang.*).
Bateson, F. N. W., M.A., B.Litt. (*Engl.*).
Struth, M. Le V., M.A. (*Mod. Langs.*).

JESUS COLLEGE. Founded 1571. Tel. No.: Oxford 3118.
Principal—J. T. Christie, M.A.

Fellows

Goodwin, A., M.A., *Vice-Principal, Tutor, U. Lectr.* (*Mod. French Hist.*).
Hurst, C., M.A., D.Phil., *Tutor, U. Lectr.* (*Math. Phys.*).
Cross, R. C., M.A., *Sr. Tutor.*
Griffith, J. G., M.A., *Jr. Dean, Tutor for Admissions and in Classics.*
Baker, J. N. L., M.A., B.Litt., *Bursar, Tutor.*
Woodward, L. A., D.Phil. Leipzig, M.A., *Dean and Tutor, U. Demr. and Lectr.* (*Chem.*).
Thompson, E. C., M.A., *Dep. Bursar, Tutor, U. Lectr.* (*Maths.*).
Foster, I. L., M.A., *Prof. of Celtic.*
Whiteley, Rev. D. E. H., M.A., *Chaplain, Librarian, Tutor.*
Young, G. T., M.A., B.Sc. Birm., Ph.D. Brist., M.A., *Tutor.*
Howarth, W. D., M.A., *Tutor.*

Varley, G. C., Ph.D. Camb., M.A., *Hope Prof. of Zool.* (*Ent.*).
Hale, J. R., *Tutor.*
Fulton, J. S., M.A.

Lecturers
Dobson, E. J., M.A. (*English*).
Barlow, D., M.A. (*German*).
Richenberg, L. J., M.A. (*Econ.*).

LINCOLN COLLEGE. Founded 1427. Tel. No.: Oxford 2580.
Rector—K. A. H. Murray, B.Sc. Edin., Ph.D. Cornell, M.A., B.Litt.

Fellows
Sidgwick, N. V., C.B.E., D.Sc. Leeds and Tübingen, LL.D. Liv., M.A., F.R.S., *Supernumerary Fellow.*
Marchant, E. C., M.A.
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., M.D. Lyons, M.A., B.Sc., F.R.S., *Prof. of Pathol.*
Turner, Rev. H. E. W., B.D., M.A., *Chaplain, Sr. Tutor, Tutor* (*Theol.*), *Librarian.*
Wellesz, E. J., M.A., D.Mus., *Associate Librarian, Reader* (*Byz. Music*).
Allen, H. C., M.C., M.A., *Librarian and Tutor* (*Mod. Hist.*).
Ashby, A. W., C.B.E., M.A. (*Director Agric. Econ. Res. Inst.*).
Richards, R. E., M.A., D.Phil., *Tutor* (*Nat. Sci.*), *U. Demr.* (*Chem.*).
Henderson, P. D., B.A., *Dean, Jr. Bursar, 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.*

Other Lecturers
Platnauer, M., B.Litt., M.A., *Classics.*
Balsdon, J. P. V. D., M.A., *Anc. Hist.*
Leach, E. H., M.A., B.Sc., *Physiol.*
Sayce, R. A., M.A., *Mod. Langs.*
Plamenatz, J. P., M.A., *Pol.*
Martin, A. F., M.A., *Geog.*
Thompson, E. C., M.A., *Maths.*
Anderson, M. L., M.A., *Forestry.*
Russell, R. S., M.A., *Agric.*
Wilks, J., B.A., *Physics.*
Price, F. V., B.Sc., M.A., *Physics.*

MAGDALEN COLLEGE. Founded 1458. Tel. No.: Oxford 3151.
President—T. S. R. Boase, M.A.

Fellows
Hope, E., D.Sc. Manc., M.A., *U. Lectr. and Demr.* (*Chem.*).
Driver, G. R., M.C., D.D. Aberd., 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, U. Lectr.* (*Philos.*).
Onions, C. T., C.B.E., Litt.D. Leeds, LL.D. Birm., M.A., D.Litt., F.B.A., *Librarian.*
Lewis, C. S., M.A., D.D. St. And., *Tutor* (*Engl. Lang. and Lit.*).
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. and Glas., D.Sc. Durh., Liv., Lond., Manc., Wales, Sheff. and Belf., 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., *Vice-President, Tutor, U. Lectr.* (*Anc. Hist.*).

Austin, J. L., M.A., *Tutor, U. Lectr. (Philos.).*

Griffiths, J. H. E., O.B.E., M.A., D.Phil., *Lectr., U. Lectr. and Demr. (Physics), Sr. Dean of Arts.*

Hardie, C. G., M.A., *Tutor (Classics), Sec. to Tutorial Bd., U. Lectr. (Gk. and Lat. Lit.).*

Morris, J. H. C., M.A., B.C.L., *Tutor (Law), All Souls Lectr. (Private International Law), Clerk to the College.*

Osborn, T. G. B., D.Sc. Manc., M.A., *Sherardian Prof. of Bot.*

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., *Tutor (Physiol.).*

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. Manc. and Oxon., *Tutor (Mod. Langs.), Sec. to Admissions Cttee.*

d'Entrèves, A. P., M.A., D.Phil., *Serena Professor of Italian Studies.*

Whitteridge, D., B.Sc., D.M., M.A.

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., Jr. Dean of Arts, U. Lectr. (Maths.).*

Bennett, J. A. W., M.A., D.Phil., *Tutor (Engl. Lang. and Lit.), Sec. to Admissions Cttee.*

Humphrey, G., M.A., *Prof. of Psychol.*

Burchardt, F. A., M.A.

Hourani, A. H., M.A.

Lloyd, B. B., M.A.

Wood, O. P., M.A.

Hargreaves, J. A., M.A.

Adams, Rev. A. W., M.A., *Dean of Divinity.*

Cross, A. R. N., B.C.L., M.A., *Tutor in Law, U. Lectr. (Law).*

Stoye, J. W., M.A., *Tutor in Mod. Hist.*

Leyser, K. J., M.A., *Tutor in Mod. Hist.*

Tite, K., M.A., *Tutor (Politics).*

Burnett, J. H., M.A., *U. Demr. and Lectr. (Botany).*

Watson, P. D., M.A., D.Phil., *Jr. Lectr. (Maths.).*

MERTON COLLEGE. Founded 1264. Tel. No.: Oxford 2269.

Warden—G. R. G. Mure, M.C., M.A.

Fellows

Garrod, H. W., C.B.E., D.Litt. Durh., M.A., F.B.A., *Librarian and Sec. to Harmsworth Trust.*

Gill, E. W. B., O.B.E., M.A., B.Sc., *Dom. Bursar.*

Lambert, B., O.B.E., M.A., D.Sc., *Sr. Research Fellow.*

Levens, R. G. C., M.A., *Sr. Tutor, U. Lectr. (Gk. and Lat. Lit.).*

Williams, Rev. C. S. C., M.A., *Chaplain, Lectr. (Div.), U. Lectr. (New Testament).*

Gibbs, N. H., M.A., D.Phil., *Tutor and Principal of the Postmasters, U. Lectr. (Mod. Hist.).*

Walsh, W. H., M.A., *Tutor and Sub-Warden, U. Lectr. (Philos.),*

Dobson, G. M. B., M.A., D.Sc., F.R.S., *Reader in Meteorol., U. Lectr. and Demr. (Phys. and Climatol.).*

Cooke, A. M., D.M., F.R.C.P.

Tolkien, J. R. R., M.A., *Merton Prof. of Engl. Lang. and Lit.*

Dyson, H. V. D., B.Litt., M.A., *Tutor, U. Lectr. (Eng. Lit.).*

Hardy, A. C., M.A., D.Sc., *Linacre Prof. of Zool. and Comp. Anat.*
Wilson, F. P., B.Litt., M.A., *Merton Prof. of Engl. Lit.*
Wallace-Hadrill, J. M., M.A., *Tutor.*
Phillips, C. S. G., M.A., *Tutor.*
Jewkes, J., M.A., *Prof. of Econ. Organization.*
Jones, H. J. F., M.A., *Tutor.*
Highfield, J. R. L., M.A., *Jr. Res. Fellow.*

Lecturers

Smithers, G. V., M.A. (*Engl. Lang.*).
Beck, L. J., M.A., D.Phil. (*Philos.*).
Little, I. M. D., M.A. (*Econ.*).

NEW COLLEGE. Founded 1379. Tel. No.: Oxford 2225.

Warden—A. H. Smith, C.B.E., M.A.

Fellows

Henderson, H. L., O.B.E., M.A.
Legg, L. G. W., M.A.
Ogg, D., M.A., *Tutor, Librarian.*
Radcliffe, G. R. Y., D.C.L., *Sr. Bursar.*
Lightfoot, Rev. R. H., D.D. Aberd., D.D.
Creed, R. S., D.M., *Tutor, Precentor, U. Lectr. and Demr.* (*Physiol.*).
Cox, Sir C. W. M., C.M.G., M.A.
Yorke, E. C., M.A. Oxon. and Camb., *Tutor, Dom. Bursar.*
Titchmarsh, E. C., M.A., F.R.S., *Savilian Prof. of Geom.*
Plaskett, H. H., M.A., F.R.S., *Savilian Prof. of Astron.*
Price, H. H., M.A., B.Sc., F.B.A., *Wykeham Prof. of Logic.*
Berlin, I., C.B.E., M.A., *Tutor, U. Lectr.* (*Philos.*).
Cecil, Lord David, C.H., M.A., *Goldsmiths' Prof. of Engl. Lit.*
Wade-Gery, H. T., M.C., M.A., F.B.A., *Wykeham Prof.* (*Ancient Hist.*).
Staveley, L. A. K., M.A., *Tutor, U. Demr. and Lectr.* (*Chem.*).
Hart, H. L. A., M.A., *Tutor, U. Lectr.* (*Philos.*).
Bullock, A. L. C., M.A., *Tutor, Dean, U. Lectr.* (*Med. Hist.*).
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., *U. Lectr.* (*Music*).
Bell, H. E., M.A. Oxon. and Camb., *Tutor.*
Cooke, A. H., M.A., D.Phil., *Sr. Research Fellow, U. Demr. and Lectr.* (*Physics*).
Butterworth, J. B., M.A., *Tutor and Precentor, Jr. Proctor.*
Pryce, M. H. L., M.A. Oxon. and Camb., *Wykeham Prof. of Physics.*
Andrewes, A., M.A., *Tutor, U. Lectr.* (*Anc. Hist.*).
Joll, J. B., M.A., *Tutor and Tutor for Admissions.*
Woodforde, Rev. C., M.A., D.Litt. Camb., and Oxon. *Tutor and Dean of Divinity, Chaplain.*
Wiles, P. J. de la F., M.A., *Tutor and Sec. to Tuition Ctee.*
Buxton, E. J. M., M.A.

Other Lecturers

Falk, W., M.A.
Collie, C. H., B.Sc., M.A., *U. Demr. and Lectr.* (*Physics*).
Amery, G. D., M.A.
Martin, A. F., M.A.
Pusey, H. K., M.A., *U. Demr.* (*Zool. and Comp. Anat.*), *Jenkinson Memorial Lectr.* (*Embryol.*).
Wheeler Bennett, J. W.
Dick, J., B.Sc. Glas., D.Phil. Sheff., M.A., *Donald Pollock Reader* (*Eng.*).
Harley, J. L., M.A., D.Phil., *U. Demr.* (*Bot.*).
Smithers, G. V., M.A., *U. Lectr.* (*Engl. Lang.*).
Thomas, J. M., M.A.

ORIEL COLLEGE. Founded 1326. Tel. No.: Oxford 3135.

Provost—G. N. Clark, LL.D. Aberd., M.A., D.Litt., F.B.A.

Fellows

Hammick, D. Ll., M.A., *Tutor, Univ. Lectr. and Demr.* (*Chemistry*).

Simpson, Rev. D. C., D.D., *Oriel Professor of Interpretation of Holy Scripture.*

Hargreaves, E. L., M.A., *Sr. Tutor.*

Burton, R. W. B., M.A., *Tutor.*

Gough, J. W., M.A., *Tutor, Treasurer, U. Lectr.* (*Mod. Hist.*).

Pantin, W. A., M.A., *Lectr., U. Lectr.* (*Med. Archæol. and Hist.*), *Keeper of Archives.*

Margoliouth, H. M., M.A., *Sr. Research Fellow.*

Crow, A. D., M.A., B.Litt., *Lectr., U. Lectr.* (*French*).

Moir, J. C., M.D. Edin., M.A., D.M., *Nuffield Prof. of Obstet. and Gynæcol.*

Parker, K. T., M.A., *Professorial Fellow.*

Seton-Watson, C. I. W., M.C., M.A., *Lectr., Sub-Dean.*

Robinson, R. G. F., M.A., B.Litt., *Lectr., U. Lectr.* (*Philos.*).

Cowen, Z., B.C.L., M.A., *Lectr., U. Lectr.* (*Law*).

Lambrick, H. T., M.A., *Spalding Res. Fellow.*

Weddell, A. G. M., M.A., *Lectr., U. Demr.* (*Hum. Anat.*).

Galbraith, V. H., C.G., 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., *Dean, Chaplain and Lectr.*

Emeritus Fellow

Lyon, P. C., M.A.

Other Lecturers

Tucker, B. W., M.A. (*Zool.*), *U. Demr.* (*Zool. and Comp. Anat.*), *Reader* (*Ornithol.*).

James, W. O., M.A., D.Phil. (*Bot.*), *U. 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.*).

Pächt, O., M.A. (*Hist. of Art*).

Bliss, A. J., M.A., B.Litt. (*Engl.*).

Whitworth, T., M.A. (*Geol.*), *U. Demr. and Lectr.* (*Geol.*).

PEMBROKE COLLEGE. Founded 1624. Tel. No.: Oxford 2271.

Master—Rev. F. Homes Dudden, D.D., D.Litt. Durh., K.H.C.

Fellows

Drake, H. L., M.A.

McCallum, R. B., M.A., *Vicegerent, Tutor and Lectr.* (*Mod. Hist.*).

Macnabb, D. G. C., M.A., *Lectr., U. Lectr.* (*Philos.*).

Macintosh, R. R., M.A., D.M., *Nuffield Prof. of Anæsthetics.*

Wrenn, C. L., M.A., *Rawlinson and Bosworth Prof. of Anglo-Saxon.*

Deighton, Rev. H. S., M.A., B.Litt., *Dean, Chaplain, Lectr.* (*Classics and Mod. Hist.*).

Ward-Perkins, C. N., M.A., *Lectr.* (*Econ.*), *U. Lectr.* (*Econ.*).

Heuston, R. F. V., M.A., *Lectr.* (*Jurisprud.*).

Bredin, G. R. F., M.A., *Bursar.*

Other Lecturers

O'Brien, J. R. P., M.A., B.Sc. (*Nat. Sc.*), *U. Demr.* and *Lectr.* (*Clin. Biochem.*).

Rice-Oxley, L., M.A. Keb. (*English*).

THE QUEEN'S COLLEGE. Founded 1340. Tel. No.: Oxford 2278.

Provost—J. Walter Jones, LL.M. Camb., M.A.

Fellows

Allen, T. W., M.A., F.B.A.
Elton of Headington, Godfrey, Lord, M.A., *Supernumerary Fellow.*
Lobel, E., M.A., *Sr. Research Fellow, Reader (Papyrol.).*
*Carter, C. W., M.A., B.M., *Tutor (Physiol.), U. Lectr. and Demr. (Biochem.).*
Parmoor of Frieth, A. H. S., Lord, M.A., *Supernumerary Fellow.*
*Chilver, G. E. F., M.A., D.Phil. *(Ancient History), Sr. Tutor, Univ. Lectr.*
*Haslam-Jones, U. S., M.A., D.Phil., *Tutor, U. Lectr. (Maths.), Sec. of Governing Body.*
*Woozley, A. D., M.A., *Tutor, U. Lectr. (Philos.), Librarian.*
*Prestwich, J. O., M.A., *Tutor (Mod. Hist.), U. Lectr. (Mod. Hist.).*
Boyd, J., M.A., B.Litt., *Taylor Prof. of German Lang. and Lit.*
*Harrison, W., M.A., *U. Lectr. (Politics), Sec. of Tutorial Committee.*
Bridges, A., M.A., *Bursar.*
*Linnett, J. W., M.A., D.Phil., *U. Demr. and Lectr. (Chem.).*
*Russell, P. E. L. R., M.A., *Tutor (Spanish), Laming Resident Fellow, U. Lectr. (Sp. Studies).*
*Nineham, Rev. D. E., M.A. *(Theol.), Chaplain, Camerarius.*
Chapman, S., M.A., F.R.S., *Sedleian Prof. of Nat. Philos.*
*MacDonald, I., M.A. *(French), U. Lectr. (Fr.).*
Harley, J. L., M.A., D.Phil., *Browne Research Fellow, U. Demr. and Lectr. (Bot.).*
*Kennedy, C. M., M.A. *(Econ.), Dean and Magister Puerorum.*
Rose, B. W. G., M.A., *Organist, Supernum. Fellow.*
Kilpatrick, Rev. G. D., M.A., D.D., *Dean Ireland's Prof. of Exegesis of H. Scrip.*
*Honoré, A. M., B.C.L. *(Law).*
*Bolton, J. D. P., M.A. *(Classics).*
*Pelling, H. M., M.A. Camb. and Oxon. *(Mod. Hist.).*
Sydnor, C. S., M.A., *H. V. Harmsworth Prof. of American Hist.*

Lecturers

Keeley, T. C., M.A. Wadh., *U. Lectr. and Demr. (Physics).*
Tucker, B. W., M.A., *Reader (Ornithol.), U. Lectr. and Demr. (Zool. and Comp. Anat.).*
Cox, H. H., M.A. Linc. *(Philos.).*
Calder, W. M., M.A. *(German).*
Robson, W. W., M.A. *(Engl. Lit.).*
Vickery, W. N., B.A. *(Russian).*

ST. JOHN'S COLLEGE. Founded 1555. Tel. No.: Oxford 3195.

President—A. L. Poole, M.A.

Fellows

Douglas, C. G., C.M.G., M.C., B.Sc., D.M., F.R.S., *Tutor, Lectr. (Nat. Sc.).*
Costin, W. C., M.C., M.A., *Sr. Tutor, Lectr. (Mod. Hist.).*
Mabbott, J. D., B.Litt., M.A., *Tutor, Lectr., U. Lectr. (Philos.), Domestic Bursar.*
Slade, E., M.A., *Tutor, Sr. Dean of Arts, Lectr. (Law).*
Thompson, H. W., Ph.D. Berl., M.A., B.Sc., *Vice-President, Tutor, Lectr. (Nat. Sci.), U. Lectr. and Demr. (Chem.).*
Moore, W. G., D.Litt. Strasb., M.A., *Tutor, Lectr. (Mod. Langs.), U. Lectr. (French).*
Roberts, C. H., M.A., F.B.A., *Tutor, Lectr. (Classics), Librarian, Reader (Doc. Papyrol.).*
Sherwin-White, A. N., M.A., *Tutor, Lectr., U. Lectr. (Anc. Hist.).*

* Prælector.

Gibb, H. A. R., M.A. Edin., Lond., Oxon., F.B.A., *Laudian Prof. of Arabic.*
Grice, H. P., M.A., *Tutor, Lectr.* (*Philos.*), *U. Lectr.* (*Philos.*).
Champion, H. G., C.I.E., M.A., D.Sc., *Prof. of Forestry.*
Lampe, Rev. G. W. H., M.C., M.A., *Reader and Lectr.* (*Theol.*), *U. Lectr.* (*Early Ch. Hist. and Patristic Studies*).
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., *U. Lectr.* (*Geog.*).
Blackman, G. E., M.A., *Sibthorpian Prof. of Rural Econ.*
Bleaney, B., M.A., D.Phil., F.R.S., *Lectr., U. Demr. and Lectr.* (*Physics*).
Holmes, W., M.A., D.Phil., *Jr. Dean of Arts, U. Lectr. and Demr.* (*Zool. and Comp. Anat.*).
Colvin, H. M., M.A., *Sr. Research Fellow.*
Russell, D. A. F. M., M.A., *Lectr.* (*Classics*).
Garrard, N. A., M.A., *Estates Bursar.*

Emeritus Fellow

Hart-Synnot, R. V. O., D.S.O., O.B.E., B.Sc. Lond., M.A.

Feredav Fellow

Jeffries, T. O., B.A.

Other Lecturers

Dowdell, E. G., M.A., D.Phil. (*Econ.*)
Russell, P. E. L. R., M.A. Qu., (*Spanish*), *U. Lectr.* (*Sp. Studies*).
Calder, W. M., M.A. (*German*).
Leishman, J. B., M.A., B.Litt., *Sr. U. Lectr.* (*Engl. Lit.*).

TRINITY COLLEGE. Founded 1554–1555. Tel. No.: Oxford 3116.

President—J. R. H. Weaver, D.Litt. Dub., M.A.

Fellows

Higham, T. F., M.A., *Tutor, Lectr.* (*Classics*), *Public Orator.*
Landon, P. A., M.C., M.A., *Tutor, Lectr.* (*Jurispr.*), *Bursar, Reader* (*Criminal L. and L. of Evidence*).
Peters, R. A., M.C., M.A., F.R.S., *Whitley Prof. of Biochem.*
Hall, R. L., M.A.
Ewert, A., M.A., *Prof. of Romance Langs.*
Wernham, R. B., M.A., *Vice-President, Sr. Tutor, Lectr.* (*Mod. Hist.*).
Farrer, Rev. A. M., M.A., D.D., *Chaplain, Lectr., U. Lectr.* (*Philos. of Religion*).
Lambert, J. D., M.A., *Lectr.* (*Nat. Sci.*), *U. Lectr. and Demr.* (*Chem.*).
Maclagan, M., M.A., *Lectr.* (*Mod. Hist.*), *Dean.*
Phillips, C. G., B.Sc., B.M., M.A., *Lectr.* (*Physiol.*).
Nowell-Smith, P. H., M.A., *Lectr.* (*Philos.*), *Asst. Bursar.*
Crosland, C. A. R., M.A., *Lectr.* (*Econ.*), *Jr. Dean.*
Norrington, A. L. P., M.A., *Addl. Professorial Fellow.*
Holladay, A. J., M.A.

Other Lecturers

Williams, P. M., M.A. (*Politics*).
Lawlor, J. J., M.A. (*English*).
de Wet, J. S., M.A. Ball. (*Maths.*).
Atkinson, F. J., M.A. (*Econ.*).
Thornton, A. P. (*Hist.*).
Rickard, P., M.A. (*Mod. Langs.*).

UNIVERSITY COLLEGE. Founded 1249. Tel. No.: Oxford 2228.

Master—Rev. J. H. S. Wild, M.A.

Fellows

Bowen, E. J., M.A., D.Sc., *Praelector in Chem., Registrar.*
Goodhart, A. L., K.B.E., D.C.L., *Pro of Jurisprudence.*

Wells, A. F., M.A., *Prælector in Classics, Librarian, Dean of Degrees, Univ. Lectr.* (*Latin Literature*).

Allen, C. K., D.C.L., *Professorial Fellow.*

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., *Prælector in Philos., Secretary, U. Lectr.* (*Philos.*).

Seton-Watson, G. H. N., M.A., *Prælector in Pol., U. Lectr.* (*Pol.*).

Marsh, N. S., B.C.L., M.A., *Stowell Fellow, Prælector in Jurisprudence, Estates Bursar, U. Lectr.* (*Law*).

Wilson, T., M.A., *Mynors Fellow, Prælector in Econ.*

Dubs, H. H., M.A., *Prof. of Chinese.*

Cunningham, D. J. C., M.A., M.B. Edin., *Radcliffe Med. Fellow.*

Bayley, P. C., M.A., *Jr. Research Fellow, Jr. Dean.*

Strawson, P. F., M.A., *Prælector in Philos.*

Cawkwell, G. L., B.A., *Prælector in Anc. Hist.*

Barns, J. W. B., M.A., D.Phil., *Lady Wallis Budge Fellow in Egyptol.*

Emeritus Fellows

Ainley-Walker, E. W., D.M., D.Sc.
Leys, Rev. K. K. M., M.A.
Carritt, E. F., M.A.
Stevenson, G. H., M.A.

Radcliffe Travelling Fellows

Marsh, J. M. K., B.M.
Stapleton, T., B.M., M.A.

Other Lecturers and Asst. Lectrs.

Chalk, L., M.A., D.Phil., *U. Demr.* (*Forestry*).
Wilkins, W. H., M.A., D.Phil., *Lectr., U. Reader and Demr.* (*Botany*).
Ford, E. B., M.A., D.Sc. (*Zool.*), *Reader* (*Genetics*).
Sandford, K. S., T.D., M.A., D.Phil., D.Sc., *Reader* (*Geol.*).
Kuhn, H. G., M.A. (*Physics*).
Beckinsale, R. P., M.A. Lond. (*Geog.*).
Rushbrooke, G. S., M.A. (*Maths.*).
Stone, L., M.A. (*Hist.*).
Brumfitt, J. H., M.A. (*French*).
Clarke, G. R., M.A., B.Sc. (*Agric.*).

WADHAM COLLEGE. Founded 1610. Tel. No.: Oxford 4169.

Warden—C. M. Bowra, LL.D. Dub., M.A., D.Litt., F.B.A.

Fellows

Cherwell, Rt. Hon. Lord, Ph.D. Berl., LL.D. Aberd., M.A., F.R.S., *Prof. of Exp. Philos.*
Keeley, T. C., M.A., *Sub-Warden, Sr. Tutor, Tutor, U. Lectr. and Demr.* (*Physics*).
Milne, E. A., M.B.E., M.Sc. Manc., D.Sc. Amsterdam, M.A., D.Sc., F.R.S., *Rouse Ball Prof. of Maths., Librarian.*
Deakin, F. W. D., D.S.O., M.A., *Sr. Research Fellow.*
Thompson, J. H. C., M.A., D.Phil., *Tutor, U. Lectr.* (*Maths.*), *Estates Bursar and Keeper of the Gardens.*
MacDougall, G. D. A., C.B.E., M.A., *Nuffield Reader* (*Econ.*).
Westrup, J. A., B.Mus., M.A., D.Mus., *Heather Prof. of Music.*
Bamborough, J. B., M.A., *Dean, Lectr.* (*English*).
Crombie, I. M., M.A., *Lectr.* (*Philos.*).
Thompson, A. F., M.A., *Lectr.* (*Mod. Hist. and Politics*), *Dom. Bursar.*
Carter, P. B., B.C.L., M.A., *Lectr.* (*Law*).

Emeritus Fellow

Lennard, R. V., M.A., *Reader* (*Econ. Hist.*).

Chaplain

Jones, Rev. D. R., M.A.

Other Lecturers

Thomas, J. M., M.A. (*Mod. Langs.*).

Dover, K. J., M.A. (*Classics*).
Russell, D. A. F. M., M.A. (*Classics*).
Butler, L. H., M.A. (*Hist.*).
Fisher, R. B., B.Sc., M.A., D.Phil. (*Med.*).
Philo, G. C. G., M.A. (*Hist.*).
Maddick, H. W., B.A. (*Pol. and Econ.*).
Gardiner, P. L., B.A. (*Philos.*).
Holladay, A. J., M.A. (*Anc. Hist.*).

WORCESTER COLLEGE. Founded 1714. Tel. No.: Oxford 2515.

Provost—J. C. Masterman, O.B.E., M.A.

Fellows

Wilkinson, C. H., O.B.E., M.C., C.G., M.A., *Dean, Lectr.* (*Engl. Lit.*), *Librarian.*
Somerset, H. V. F., M.A., *Tutor, Lectr.* (*Mod. Hist.*).
Bryan-Brown, A. N., M.A., *Dean of Degrees, Sr. Tutor, Lectr.* (*Classics*).
Braunholtz, G. E. K., M.A., *Prof. of Compar. Philol.*
Milburn, Rev. R. L. P., M.A. Camb. and Oxon., *Dean of Degrees, Estates Bursar, Chaplain, Tutor, Lectr.* (*Theol.*), *U. Lectr.* (*Ch. Hist*).
Brown, A. B., B.C.L., M.A., *Domestic Bursar, Lectr., U. Lectr.* (*Law*), *Sr. Proctor.*
Briggs, A., B.Sc. Lond., M.A. Camb. and Oxon., *Lectr.* (*Politics and Econ.*).
Mitchell, D., M.A., *Lectr.* (*Philos.*).
Woodward, E. Ll., D.Litt. Princet., M.A., F.B.A., *Prof. of Mod. Hist.*
Trueta, J. A., M.A, D.Sc, *Nuffield Prof. of Orthopædic Surg.*
Pitt, H. G., M.A., *Lectr. in Mod. Hist.*

Emeritus Fellow

Pickard-Cambridge, W. A., M.A.

Other Lecturers

Holmes, W., M.A., D.Phil. St. Joh. (*Biol.*).
Sayce, R. A., M.A., D.Phil. (*Mod. Langs.*).
Walker, J. M., M.A., B.Sc., D.M. Magd. (*Physiol.*), *U. Demr. and Lectr.* (*Pharmacol.*).

ST. EDMUND HALL. Founded *c.* 1238. Tel. No.: Oxford 3574.

Principal and Bursar—A. B. Emden, M.A.

Fellows

Kelly, Rev. J. N. D., M.A., *Vice-Principal, Tutor* (*Theol. and Philos.*), *U. Lectr.* (*Patristic Studies*).
Fletcher, Rev. R. F. W., M.A., *Sr. Tutor, Tutor* (*Engl. Lit.*).
Irving, H. M. N. H., M.A., D.Phil., *Tutor* (*Nat. Sci.*), *U. Demr. and Lectr.* (*Chem.*).
Ramsay, G. D., M.A., D.Phil., *Tutor, U. Lectr.* (*Mod. Hist.*).
McManners, Rev. J., M.A., *Chaplain* (*Mod. Hist. and Pol.*).
Fargher, R., B.Litt., M.A., D.Phil., *Tutor* (*French*).

Lecturers

Tylor, T. H., M.A., B.C.L. Ball. (*Jurispr.*), *U. Lectr.* (*Law*).
Pusey, H. K., M.A. (*Zool.*), *U. Lectr. and Demr.* (*Zool. and Comp. Anat.*).
Kolkhorst, G. A., M.A. (*Spanish*), *Reader* (*Spanish*).
Gullick, C. F. W. R., M.A., B.Litt. (*Geog.*), *U. Lectr.* (*Econ. Geog.*).
Barnes, H. G., Ph.D. Tübingen, M.A., *U. Lectr.* (*German*).
Dobson, E. J., M.A. (*Engl. Lang.*).
Grayson, C., M.A., *U. Lectr.* (*Italian*).
Phillips, E. G., M.A., D.Phil.
Giles, B. D., M.A.

New Foundations

KEBLE COLLEGE. Founded 1870. Tel. No.: Oxford 3157.

Warden—Rev. H. J. Carpenter, M.A.

Fellows

Jolliffe, J. E. A., M.C., M.A., *Sub-Warden.*

Rice-Oxley, L., M.A.

Parkes, G. D., B.Sc., M.A., D.Phil., *Tutorial Secretary, U. Demr. and Lectr.* (*Chem.*).

Hugh-Jones, E. M., M.A., *U. Lectr.* (*Econ.*).

Davidge, C. V., B.C.L., M.A., *Bursar, U. Lectr.* (*Law*).

Hawkes, C. F. C., M.A., *Prof. of European Archæol.*

Mitchell, B. G., M.A., *Dean.*

Stead, Rev. G. C., M.A., *Chaplain.*

Lecturers

Barrett, W. S., M.A., *Librarian, U Lectr.* (*Gk. Lit.*).

Bromley, J. S., M.A.

ST. PETER'S HALL. (For members of the Church of England.) Tel. No.: Oxford 3063.

Master—Rev. R. W. Howard, M.A. Oxon. and Camb.

Fellows

Houghton, Rev. R. E. C., M.A., *Tutor* (*Engl. Lit.*).

Smith, E. H. F., M.A., *Tutor* (*Hist.*).

Sutton, C. W. H., M.A., *Tutor* (*Philos.*).

Wilkins, W. H., M.A., D.Phil., *Tutor* (*Nat. Sci.*), *Reader and Demr.* (*Bot.*).

Tinne, C. E., M.A., *Bursar.*

Naylor, Rev. C. B., M.A., *Dean, Chaplain.*

Lecturers

Fifoot, C. H. S., M.A. (*Jurispr.*), *All Souls Reader in English Law.*

Turner, Rev. H. E. W., B.D. Linc., M.A., *U. Lectr.* (*Theol.*).

Perman, R. C. D., M.A. Mert., *U. Lectr.* (*French*).

Williams, W. D., M.A. St. J., *U. Lectr.* (*German*).

ST. ANTONY'S COLLEGE. Founded 1950 by Mr. Antonin Besse. Housed at 62 Woodstock Road, Oxford.

Warden—F. W. D. Deakin, M.A.

ST. CATHERINE'S SOCIETY (*Non-Collegiate Students*). Tel. No.: Oxford 3527.

Censor—Rev. V. J. K. Brook, M.A.

Tutors and Lecturers

Brook, Rev. V. J. K., M.A. (*Theol.*), *Censor.*

Davies, Rev. R. T., M.A. (*Mod. Hist.*).

Fisher, R. B., M.A., B.Sc. Joh. (*Physiol.*).

Garabedian, D., M.A. (*French*).

Brewer, F. M., M.A., B.Sc. Linc. (*Chem.*).

Horwood, F. C., M.A. (*English*), *Dean of Degrees.*

Dowdell, E. G., M.A., D.Phil. St. Joh. (*Econ.*).

Tylor, T. H., M.A., B.C.L. Ball. (*Law*).

Permanent Private Halls

CAMPION HALL. (For members of the Society of Jesus.)
Tel. No.: Oxford 4342.

Master—Rev. T. Corbishley, M.A.

Jones, Rev. T., *Bursar.*

Lecturers and Tutors

Walker, Rev. L. J., M.A., *Dean.*
O'Hea, Rev. L., M.A.
Fitzgibbon, Rev. B., M.A., *Chaplain.*
King, Rev. J. E. L., M.A., D.Phil. Prague, *Tutor, Lectr.* (*Psychol.*).
Turner, Rev. V. G., M.A., *Sr. Tutor, Lectr.* (*Philos.*).
Wingfield-Digby, Rev. J. R., M.A., *Tutor, Lectr.* (*Mod. Hist.*).

ST. BENET'S HALL. (For members of the English Benedictine Abbey of Ampleforth, Yorkshire.)
Tel. No.: Oxford 4422.

Master—Rev. F. G. Sitwell, M.A.

Recognized Societies of Women Students

LADY MARGARET HALL, founded in 1878 and opened in 1879; constituted under a Deed of Trust in 1893, incorporated by Royal Charter, 1926. Tel. No.: Oxford 2214.

Principal—Lucy Stuart Sutherland, C.B.E., M.A.

Tutors

*Lea, Kathleen M., M.A., *Vice-Principal* (*English*), *U. Lectr.* (*Eng. Lit.*).
*Anson, Christine, M.A., *Hall Sec.*
*Everett, Dorothy, M.A. Lond. and Oxon. (*Engl. Lang. and Lit.*), *Reader in Engl. Lang.*
*Sutherland, Mrs. D. Rhoda, M.A. (*French Philol.*), *U. Lectr.* (*French*).
*Blochmann, Elisabeth F. E., Ph.D. Göttingen, M.A. (*German*).,
*Ewart, Annette M., M.A., *Bursar.*
*Kneale, Mrs. Martha, M.A. (*Philos.*).
*Hurnard, Naomi D., M.A., D.Phil. (*Hist.*), *Sir Ernest Cassel Fellow, U. Lectr.* (*Mod. Hist.*).
*Westropp, Celia K. (Mrs. Price), M.A., D.M.
*Whiteman, Elizabeth A. O., M.A. (*Mod. Hist.*).
*Hicken, Winifred F., M.A. (*Classics*).

Research Fellows

Jeffery, Lilian H., M.A.
Clementi, Dione R., M.A.

Librarian

Nugent, Mary V., M.A.

Lecturers

Marshall, Mary, M.A. (*Geog.*).
Ing, Mrs. Catherine M., M.A. (*Engl. Lit.*).
Hurley, Joan, M.A. (*French*).
Cobbe, Anne P., M.A. (*Maths.*).

* Official Fellow.

SOMERVILLE COLLEGE, founded as Somerville Hall in 1879. Tel. No.: Oxford 4195.

Principal—Janet M. Vaughan, O.B.E., D.M., M.A.

*Evans, Evangeline, O.B.E., M.A., B.Litt., *Treasurer, Librarian, Lectr.*

Tutors

*Lascelles, Mary M., M.A., B.Litt., *Vice-Principal (Engl. Lit.).*

*Henderson, Mrs. M. Isobel, M.A., *U. Lectr. (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., *U. Lectr. (Mod. Hist.).*

*Tyler, Annette E., M.A. (*Mod. Langs.*).

*Sarginson, Kathleen, M.Sc. Lond., Ph.D. Edin., M.A. (*Maths.*).

*Garstang, Ruth, M.A., *Bursar.*

*Hall, Mrs. Laura M., M.A. (*Econ.*).

Research Fellows

Anscombe, Gertrude E. M. (Mrs. Geach), M.A.

Labowsky, Lotte, D.Phil. Heidelberg.

Principal's Secretary

Bryant, Hilda M., M.A.

Asst. Bursar

Gillies, Sheila M., B.A. Lond.

Sub-Librarian

Holm, Dola B N , B A. Lond.

Lecturers

Banister, Rachel J., B.Sc., Edin. M.A. (*Physiol.*).

Sayce, Mrs. Olive L., M.A. (*German*).

Foot, Mrs. Philippa R., M.A. (*Philos.*).

Turville-Petre, Mrs. Joan E , M.A., B.Litt. (*Engl. Lang.*).

Brown, Lucy M., M.A. (*Mod Hist. and Politics*).

Brown, Ursula M., M.A. (*Engl. Lang.*).

Snow, Christine M., M.A., B.Sc. (*Bot.*).

ST. HUGH'S COLLEGE, founded as St. Hugh's Hall in 1886, was incorporated under Royal Charter in 1926. Tel. No.: Oxford 4182.

Principal—Evelyn E. S. Procter, M.A.

Research Fellows

Ady, Cecilia M., M.A., D.Litt.

Seaton, Mary E., M.A.

Tutors

*Francis, Elizabeth A., M.A. Lond. and Oxon. (*French*), *Vice-Principal and U. Lectr.*

*Martin Clarke, Mrs. Daisy E., M.A. Camb. and Oxon. (*Engl. Lang.*).

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*), *Sec. to Council, U. Lectr. (Homeric Archæol.).*

*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.*), *and U. Lectr.*

*Kemp, Betty, B.A. Manc., M.A. (*Hist.*).

*Mahood, Molly, M.A. Lond., M.A. (*Engl. Lit.*).

Warnock, Mrs. Helen M., B.A. (*Philos.*).

Trench, Susan M. C., M.A. (*Mediæval Hist.*).

*Thorneycroft, Gertrude, B.A. Birm., M.A., *Treasurer.*

Mason, Sheelagh M. P., *Bursar.*

Hesketh-Williams, Philippa K., M.A., B.Litt., F.L.A., *Librarian.*

* Official Fellow.

ST. HILDA'S COLLEGE, founded in 1893 by Miss Dorothea Beale, sometime Principal of Cheltenham Ladies' Coll. Tel. No.: Oxford 2739.

Principal—Julia de L. Mann, M.A.

Tutors

*Chesney, Kathleen, M.A., D.Phil., *Vice-Principal, Tutor (Mod. Langs.) and U. Lectr. (French).*

*Whitelock, Dorothy, M.A. Camb. and Oxon., F.S.A., F.R.Hist.S. *(Engl. Lang.), U. Lectr. (Old Engl.).*

*Gardner, Helen L., M.A. *(Engl. Lit.), U. Lectr. (English).*

*Crowe, Sybil E., Ph.D. Camb., M.A., Camb. and Oxon. *(Politics).*

*Smalley, Beryl, M.A. *(Mod. Hist.), and U. Lectr.*

*Gerard Davis, Mrs. Mary I., M.A. *(Mod. Langs.).*

*Tomlinson, Muriel L., M.A. Camb. and Oxon., D.Phil., F.R.I.C. *(Nat. Sci.).*

*Prestwich, Mrs. Menna, M.A. *(Mod. Hist.).*

*McCormick, Eileen M., B.Sc. *(H. and S. Sc.)* Lond., *Bursar.*

Professorial Fellow

Major, Kathleen, M.A., B.Litt., F.S.A., F.R.Hist.S., *Reader (Diplomatic).*

Marshall, Lydia M., *Librarian.*

*Thornton, Joyce C., M.A., *College Secretary.*

Philp, Barbara B., M.A., *Asst. Coll. Sec.*

Fellowes, Helen L., *Asst. Bursar.*

Laurenson, Ethel A. G., *Asst. Bursar.*

ST. ANNE'S SOCIETY, founded in 1879. Tel No.: Oxford 2880. The Governing Body is the Univ. Delegacy of Home-Students.

Principal—Hon. Eleanor M. Plumer, M.A., 1 Jowett Walk, Oxford.

Tutors

Ady, P. Honorine, M.A. *(Econ.).*

Barnes, Mrs. Annie M., M.A., D.Phil. *(French), and U. Lectr.*

Bastock, Margaret, B.A. *(N.Sc.).*

Griffiths, Mary E., M.A. *(English), U. Lectr. (Engl. Lit.).*

Leys, Mary D. R., M.A. *(Mod. Hist.), Vice-Principal.*

Morrison, Christine L., M.A. *(English).*

Murdoch, Jean I., M.A. *(Lit. Hum.).*

Reeves, Marjorie E., M.A. *(Mod. Hist.).*

Schwarzschild, Luise A., B.A. *(Old French).*

Lecturers

Bednarowska, Mrs. Dorothy M., M.A. *(English).*

Johnson, Elfride M., M.A. *(Old English).*

Macdonald, Frances M. E., M.A. *(Nat. Sci.).*

The students keep statutable residence under conditions approved for them by the Delegates of Lodgings. They may reside in their own homes or in houses or Hostels approved for them. There are two Hostels maintained by Religious Orders: S. Frideswide's, Cherwell Edge (Roman Catholic), and Springfield S. Mary (Anglican). 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." Tel. No.: Oxford 48323.

Warden—A. Loveday, D.Litt. Mc.G., M.A.

Official Fellows

Perham, Margery F., M.A., *Dir., Inst. of Colonial Studies.*

Fogarty, M. P., M.A.

Chester, D. N., M.A.

Hicks, J. R., B.Litt., M.A., F.B.A.

* Official Fellow.

Andrews, P. W. S., B.Sc. Lond., M.A.
Barna, T., B.Sc.(*Econ.*), Ph.D. Lond.
Robinson, K. E., M.A., *Reader (Colonial Admin.)*.
Oakeshott, M. J., M.A. Camb., M.A.
Clegg, H. A., M.A.
Connell, K. H., B.Sc. (*Econ.*), Ph.D. Lond., M.A.

Professorial Fellows

Champernowne, D. G., M.A., *Prof. of Statistics*.
Frankel, S. H., 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. All S., *Gladstone Prof. of Government and Public Admin.*
Henderson, Sir H. D., M.A. All S., *Drummond Prof. of Polit. Econ.*
Goodhart, A. L., LL.D. Camb., M.A., D.C.L. Univ., K.C., O.A., *Prof. of Jurispr.*
Woodward, E. Ll., D.Litt. Princet., M.A. Worc., F.B.A., *Prof. of Mod. Hist.*

Research Fellows

Coupland, Sir R., K.C.M.G., C.I.E., D.Litt. Durh., M.A. All S.
Falk, W., M.A. New Coll.
Hart, Jenifer, M.A. Som. (*Gwilym Gibbon*).
Simkin, C. G. F., M.A. N.Z.

Faculty Fellows

Beloff, M., M.A., B.Litt. C.C.C., *Reader (Comp. Study of Institutions)*.
d'Entrèves, A. P., M.A., D.Phil. Magd., *Serena Prof. of Ital. Studies*.
MacDougall, G. D. A., C.B.E., M.A. Wadh.
Nicholas, H. G., M.A. Exeter, *U. Lectr. (Politics)*.

Visiting Fellows

Streat, Sir E. R., C.B.E.
Heyworth, Sir G.
Morrison, Rt. Hon. H., M.P.
Woods, Sir J. H. E., G.C.B., M.A. Ball.
Lindsay of Birker, Lord, C.B.E., LL.D. Glas. and St. And., M.A. Ball.

Chaplain

Lee, Rev. R. S., B.Litt., M.A., D.Phil. Univ.

GENERAL INFORMATION

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*.

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.

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.

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 Sir Henry Sharp, K.C.I.E., the Secretary to the Commission, will be found in the *Yearbook* for 1929, pp. 221 and 222.

FACULTIES. 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, Anthropology and Geography, Music, Agriculture and Forestry.

ADMISSION. *See* Appendix. I.

ADMISSION OF NON-MEMBERS OF THE UNIVERSITY (*a*) TO 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*) TO REGISTER OF RECOGNIZED STUDENTS. From Michaelmas Term 1949: 1. A Register of Recognized Students who are not members of the University was established. 2. 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. 3. 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. 4. Every Recognized Student shall pay to the Curators of the Univ. Chest (*a*) a fee of £5 : 5s. on admission or re-admission 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 institns. 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. 5. 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. 6. 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. § 26. 7. No Recognized Student shall have his name on the Register of Recognized Students for more than 3 Terms. 8. 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 (Address: P. C. Melville, Esq., University Registry, Oxford) will advise persons, including Dominion, Colonial, foreign and other oversea students (other than Rhodes Scholars), who cannot conveniently communicate directly with a Society and who desire information with a view to admission to the University.

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 Univ. 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 B.A., M.A., Litt.D., B.D., D.D., D.Sc. and Ph.D. of those Univs., LL.B., LL.D., M.B., M.D., M.Chir. of Cambridge. Graduates in Law of Cambridge shall, when incorporated, become B.C.L. or D.C.L., and Litt.D.'s of Dublin shall become 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. 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.

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 Society (who keep statutable residence in hostels or houses approved by the Delegates for Lodgings) is limited at present to 250, exclusive of "Advanced students," persons provisionally accepted as "Advanced Students" by Faculty Boards before coming into residence, and not more than 5 students for the Diploma in Theology, and of an additional number not exceeding 5 in any term as may for exceptional reasons be given permission to reside.

The number of undergraduates in residence at the other Societies of Women Students are also limited by Statute to 180 (exclusive of "Advanced Students" and persons provisionally accepted as "Advanced Students" 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: 1950–51— Oct. 8 to Dec. 2; Jan. 14 to March 10; April 22 to June 16.

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., namely:

(a) *Responsions.* This is the Entrance Examination to the University. It must be passed, or some examn. accepted as equivalent to it, before matricula-

* In special circumstances leave to reside in a house which has not been licensed may sometimes be obtained.

tion. 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 Moderations, (2) Hon. Math. Modns., (3) Hon. 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 Or. 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, Ger., Ital., Span., Russ., 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 exemption from Responsions, and, under further conditions, from the 1st Public examn., as well as a remission of 3 terms of the necessary residence (v. App. I). Analogous concessions are made in favour of Probationers for Forest Services in the British Empire who have obtained an approved degree at an approved Univ. and been admitted to the status of "Imperial Forest Service Student."

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 Secy. 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 DOCTOR OF PHILOSOPHY instituted in 1918 (v. p. 16).

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, Engl., Roman-Dutch, and Internat. 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 2 or 3 may be spent in London in preparation for the more strictly professional subjects of the 2nd B.M. examn. The M.Ch. degree is open to candidates who have passed all the examns. for the B.M. and B.Ch., and either are members of the Surgical staff of a recognized hospital or have acted in such a hospital as Dresser or House Surgeon for 6 months. A candidate for the D.M. must be a B.M., and have entered on the 30th term from matricn. and had his name on the books of some Coll. or Hall or Society for 20 terms.

Senior Students may be exempted from the preliminary examn. in Physics, Chemistry, Zoology, and Botany, in consideration of equivalent examns. passed at their previous Universities.

MUSIC. The degree of B.Mus. is open to candidates who have been admitted to the degree of B.A. and have also passed three examns. 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. From Jan. 1, 1954, the regns. for the B.Mus. degree will be considerably altered. Particulars may be obtained from the Univ. Registry, Oxford.

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, v. *infra*), 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 F., School of F. Open to graduates of Oxford or other Univs.

Agricultural Economics, 1 yr., The Sibthorpian Professor of Rural Economy, Dept. of Agriculture.

Classical Archæology, 1 yr., Sec. to Committee for C.A., 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 Fac. (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.

Certificates: Physical or Cultural Anthropology, 3 months, 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 new 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 recently been published by the War Office. One requirement is that candidates shall have served in the Univ. Training Corps (T.A.) for at least the last two yrs. of their residence. Details may be obtained from the Sec. to the Delegacy for Military Instruction, H.Q. Oxford University Training Corps (T.A.), Manor Road.

FLYING. The Oxford University Air Squadron is a Royal Air Force Volunteer Squadron which offers flying training to undergraduate members of the University. This training involves no expense and the flying and ground training is arranged to interfere as little as possible with members' University commitments. Members are required to join the R.A.F. Volunteer Reserve and to complete a total of five years' service. Arrangements are made for those members who go overseas on conclusion of their University Courses to be transferred to the Non-Training List. The Squadron is a recognized channel of entry for Permanent Commissions in the Royal Air Force, either flying, technical or medical. Direct entrants from the University can qualify up to 21 months antedate of seniority, depending upon the class of degree obtained. Candidates are subject to the normal R.A.F. medical examinations for aircrew on entry. Pamphlets and application forms may be obtained from Headquarters, Oxford University Air Squadron, Manor Road, Oxford.

The DEPARTMENT OF EDUCATION (address—15 Norham Gardens), established in 1919, is under the general direction of a Delegacy. For staff, *see under* Education. 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. Oxford graduates with 1st or 2nd Class Hons. in Mod. Langs. may, by special permission, spend one or two terms in the study of the Theory and Practice of Educn. at an approved European Univ. 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.

SCHOLARSHIPS AND FELLOWSHIPS. College Entrance scholarships are very numerous and valuable. The Univ. scholarships and fellowships are usually open only to members of specified standing. Of those open to graduates, 16 are for Engl., Greek, and Latin; 1 (*c.* £80) is for Ment. and Mor. Philos.; 2 (£80) for Maths.; 8 (£1340) for Med. and Nat. Science; 4 (£440) for Law; 3 (£300) for Theol.; 13 (£760) for Oriental Studies. The Univ. offers a number of *Research Scholarships and Studentships, e.g.* a Biological scholarship (annually, £200 for 1 yr.) tenable at the Zoological Institute, Naples; the George Webb Medley Scholarships (2 annually, £80 to £300 p.a. for 2 yrs., renewable for not more than 3 yrs.) for Economics and Polit. Sci.; the Scott Scholarship (1 annually, £200 for 1 yr.) "for the furtherance of physical science"; the Henry Francis Pelham Studentship (biennially £100 or less for 1 yr.), tenable at the British School of Archæology at Rome; a Research Studentship (occasionally for 1 yr.) for Greek Lit.; the Bryce Research Studentship (annually, £240 for 1 yr.) for History.

There are also *Travelling Scholarships and Studentships, e.g.* the Derby Scholarship, for classical scholarship (incl. palæography and philos.), offered annually (£200-£300 for 2 yrs., of which at least 8 months must be spent abroad); the Heath Harrison Travelling Scholarships (13 annually, £75 usually for 1 yr.) for study of a modern lang. abroad; the Zaharoff Travelling Scholarships (1 or more annually, £150 for 1 yr.) for promotion of French studies; the de Osma Studentship (annually, the net income from £2110-odd Funding 4 per cent. Stock) for not less than 6 weeks' study at the Instituto de Valencia de Don Juan, Madrid; the George Herbert Hunt Travelling Scholarship (every other yr., *c.* £70) for Medicine.

The Colls. have power to elect persons distinguished in Science or Literature to Senior Research Fellowships on condition of prosecuting some definite work; they have also power to elect from time to time Junior Research Fellows for limited periods, usually after examn.

There are certain funds, such as the Craven and Ireland, from which grants for the furtherance of particular studies may be made.

The Rhodes Scholarships were founded in 1902 under the will of the late Cecil John Rhodes. The value of each is £400 a yr., with, at present, a special supplement of £100. 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 Oxford Secretary to the Rhodes Trustees, 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."

The Dominions and Colonies. An annual Scholarship is assigned to each

Province* of the Dominion 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, the Cape Province, the S.A. College School in Cape Town, the Diocesan College School of Rondebosch, the Paul Roos Gymnasium (formerly the Boys' High School, Stellenbosch), and the St. Andrew's College School 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. A Scholarship is allotted to East Africa once in 3 yrs. 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 regions, and are awarded among candidates sent forward from each State, of which there are 6, in the region. The reason given by Mr. Rhodes for founding the American Scholarships is 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, 1948–49, 220 (124 from the Brit. Commonwealth and 96 from the U.S.A.); 1949–50, 191 (89 from the Brit. Commonwealth and 102 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. *Local Secretaries*: Oxford—Sec. to the Rhodes Trustees and Warden of Rhodes House, C. K. Allen, M.C., K.C., D.C.L., Rhodes House, Oxford; *U.S.A.*—Dr. Frank Aydelotte, Institute for Advanced Study, Princeton, N.J.; *Canada*—D. R. Michener, K.C., 5 Rosedale Road, Toronto 5; *Australia*—Sir John Behan, LL.D., Silvermist, Olinda, Victoria; *S. Africa*—A. H. Gie, Permanent Buildings, 8 Darling Street, Cape Town.

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.; Tech. Sec., F. B. Hunt, M.A. Worc.; Asst. Sec., J. D. P. Tanner, B.A. B.N.C., 41 St. Giles'. Telegrams—Appointments, Oxford. Telephone—3225.

1949, 641 permanent appointments, including: Government, 68; Education, 290; Commerce and Industry, 247; Journalistic, etc., 22; Miscellaneous, 14. Temporary, 85.

WOMEN'S APPOINTMENTS COMMITTEE. Sec., Miss D. M. Fone, M.A., 41 St. Giles', Oxford. Telephone—2104. Hours, 9-5, Sats. 9-12.

* Two each to Quebec and Ontario.

1949, 147 appointments, including: Government, etc., 29; Commerce and Industry, 17; Social Service, 17; Secretarial, 21; Literary and Research, 17; Educational, 35; Vacation posts, 11.

The BODLEIAN LIBRARY, founded by Sir Thomas Bodley in 1602, which is also the general library of the Univ., contains over 1,750,000 printed books and 50,000 MSS. Persons, other than members of the Univ., are admitted on presenting a recommendation from someone in a responsible position in Oxford or elsewhere, knowing the applicant personally. The *Readers' Manual* (obtainable from the Librarian) contains full information about the contents and catalogues of the Library; the *Visitors' Guide* (on sale at the Library) gives a short history and a list of the chief exhibits. The chief books relating to it are: Macray, W. D., *Annals* (Clar. Press, 1890, 25s.); 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.); *The Bodleian Library Record* (2s. per number, obtainable from the Libn.).

There are the following dependent libraries of the Bodleian:

The Radcliffe Science Library at the Univ. Museum, about 200,000 vols., consisting of books and periodicals on Mathematics, Natural Science and Medicine.

The Indian Institute Library, devoted to Oriental studies. There is also in the Indian Institute a museum illustrating Indian antiquities and Indian life.

Rhodes House Library (history of the British Empire and the U.S.A.).

The TAYLORIAN LIBRARY (Modern Languages and Literature), 120,000 vols., comprises the chief philological, literary, and historical works of the principal European languages and nearly all respective Reviews, Literary periodicals, and publications of Continental Societies of importance.

COLLEGE 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—Miss M. C. Draper); the English Library (Examination Schools) (Librarian—Miss E. G. W. Mackenzie, M.A. L.M.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.); and Social Studies Library at Barnett House.

MUSEUMS. *The University Museum and Museum area* includes collections and laboratories with the following depts.: 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., Zool. Field Studies (Bureau of An. Pop. and Edw. Gray Inst. of Field Ornith.), Entomol. (Lepidoptera collection illustrating mimicry, etc.).

The Ashmolean Museum (Keeper—K. T. Parker, M.A. Or.) contains, in addition to a Library of Art and Archæology, the Parian and other marbles, Egyptian and Oriental, Classical, Prehistoric, Anglo-Saxon, and local antiquities, 60,000 coins and medals (published catalogue of Mohammedan coins), and a special collection of Drawings and Engravings by Ruskin.

The Museum of the History of Science (Curator—.....) in the Old

Ashmolean building illustrates the history of scientific studies, especially in Oxford, by contemporary instruments, engravings and books.

The Pitt Rivers Museum (Dept. of Ethnol. (Technol.)) (Curator—T. K. Penniman, M.A. Trin.) has an anthropological collection illustrating the evolutionary history of material arts.

LABORATORIES: Electrical; Clarendon (Physics); Chemistry, Organic, Physical and Inorganic—Physiology; Biochemistry; Zoology and Comp. Anat.; Entomology, with extensive Collections and Library; Botany (Garden with Collections and Library); Geology (special equipment for study of fossils by serial sections); Mineralogy, Chem. Crystallography; Engineering; Forestry (expl. plantations and forest garden); Human Anatomy; Pathology and Bacteriology; one *Observatory*.

The DEPARTMENT OF FORESTRY (Imperial Forestry Institute)—Professor H. G. Champion, 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 Scholarships; it provides refresher courses for forest officers of the Empire 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 Department is financed jointly by the University, the Colonial Governments, the Forestry Commission, India and other smaller contributors.

The DEPARTMENT OF AGRICULTURE. 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*—Director, A. W. Ashby, M.A. Linc. The Institute runs a postgrad. 1-yr. course for the Dipl. in Agric. Economics. The Depts. are actively engaged in research in the fields of experimental agronomy and agricultural economics respectively.

The NUFFIELD INSTITUTE FOR MEDICAL RESEARCH, 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 OXFORD UNIVERSITY 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, M.A. Magd. Address: 91 Banbury Road, Oxford.

UNIVERSITY OF OXFORD INSTITUTE OF EXPERIMENTAL PSYCHOLOGY, 34 Banbury Rd., founded 1936. Director—Prof. G. Humphrey, M.A. Magd.; Si. Lectr. in Gen. Psychol.—O. L. Zangwill, M.A. New Coll.; Lectrs. in Experimental Psychol.—B. Babington-Smith, M.A.; C. T. W. Curle, M.A., B.Sc. Jr. Lectr. in Exper. Psychol.—B. M. Foss, M.A.

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.) or a deputy, the BUREAU OF ANIMAL POPULATION and the EDWARD GREY INSTITUTE OF FIELD ORNITHOLOGY (first established by Statute of the Univ. in 1938). At present housed at 91 Banbury Road, Oxford. The work of the Dept. of Zoological Field Studies includes 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. Edward Grey Institute of Field Ornithology—D. Lack, Sc.D. Camb., M.A. Magd.

INSTITUTE OF SOCIAL MEDICINE, established by resolution of the Nuffield Provincial Hospitals Trust on July 15, 1942 for 10 yrs. in first instance. Housed in 10 Parks Rd., Oxford. Its main purpose is to investigate the influence of social, genetic, environmental and domestic factors on the incidence of human disease and disability and to provide teaching in social medicine for medical students in the first clinical year. Acting Director—Alice Stewart, M.A., M.D., F.R.C.P.

INSTITUTE OF COLONIAL STUDIES. Established by Statute of the Univ. in 1945, when it was decided that the premises assigned to the Committee for Colonial Studies should be known as "The Institute of Colonial Studies." The Institute is now housed in South Parks Road, near Rhodes House. It has a library in the Colonial Services Hostel, 3 South Parks Road, and four rooms in 4 South Parks Road. A Committee of Management for the Institute consisting of the Beit Prof. of the History of the British Empire, the Prof. of Colonial Economic Affairs, the Registrar, and the Reader in Colonial Administration was set up in October 1948 by the Committee for Colonial Studies. Sec. to the Committee: Mrs. M. Holdsworth, 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. Certifs. in Public Administration and in Social Training are provided for graduates and for other qualified students. The cost is at the rate of £12 : 10s. a term. Further particulars from the Secretary to the Delegacy, 35 Beaumont St., Oxford.

Catholic Workers' College (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, £125 p.a., covering board, lodging, lectures and tuition. Particulars of available scholarships may be obtained on application to the Principal.

Ruskin College, Walton St. (1899). Principal—.....

A residential college for Adult Education, open on equal terms to men and women students. Foreign students must produce evidence of sufficient knowledge of English to enable them to follow the courses. Fee, £125 p.a., covering board, residence and tuition. A list of scholarships available will be supplied on application to the Secretary.

The OXFORD AND CAMBRIDGE SCHOOLS EXAMN. 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 Matricn. examns. of London and other Univs., and the Preliminary examns. of various professional bodies, etc. For L.E.A. and State Scholps., *see* p. 18. The Regulations of the Board are published by the Oxon. and Camb. Univ. Presses (post free 1s. 9d.). Secretaries: at Oxford—G. J. R. Potter, M.A., 74 High Street; at Cambridge —A. E. E. McKenzie, M.A., 10 Trumpington Street.

The OXFORD DELEGACY OF LOCAL EXAMINATIONS will hold examinations and award a General Certificate of Education in the summer, and in Dec., 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 Local Education Authorities are awarded on the results of the General Certif. of Educn. The Regulations may be obtained from the Secretary of Local Examinations, 12 Merton Street. The Examination is open to persons of both sexes. There is an age limit below which candidates may not enter. Candidates need not be in attendance at any educational institution at present.

In Dec. 1949 the School Certif. Examn. was held at 289 Centres (of which 2 were overseas). The total number of candidates was 4046.

In July 1949 the Higher School Certif. Examn. was held at 313 centres, and the School Certif. Examn. at 664 Centres (of which 9 were overseas). The total number of candidates was 23,650, viz. Higher School Certif., 2751; School Certif., 20,899.

EXTRA-MURAL STUDIES. This Delegacy is concerned to promote on behalf of the University the liberal education of adults who are not members of the University. Its work takes the form of classes and courses, some of which are residential, arranged in the main in the counties of Oxon., Berks. and Bucks., North Staffs., Kent and East Sussex and the City of Lincoln. It co-operates closely with L.E.A.s, with the W.E.A., and with other voluntary bodies in the aforesaid regions. The Delegacy may recommend the admission of adult students to the University without the necessity of passing Responsions. The Secretary to the Delegacy is Mr. T. L. Hodgkin, M.A. The work is carried on through:

(1) The Tutorial Classes Committee, responsible for the provision of Three-Year Tutorial and One-Year Preparatory Tutorial Classes. The classes meet once a week for 2 hours from Sept. to April. Students pledge themselves to continue for the duration of the course, and undertake reading and written work under the guidance of Univ. tutors. The Committee also conducts an annual Summer School and a Winter School. The Organizing Secretary is Mr. H. P. Smith.

(2) The University Extension Lectures Committee, responsible for the provision of courses of lectures held weekly or fortnightly, consisting usually of from 6 to 24 meetings, conducted by lecturers approved by the Committee. The Committee is also responsible for the provision of vacation courses, including courses for students from overseas.

The offices of the Delegacy and its Committees are at Rewley House, Wellington Square, Oxford.

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 £45 p.a.: it is increased for students who read science or require extra tuition. (2) Coll. dues vary; say, £9 : 9s. p.a. (3) Subscriptions to Clubs vary; say, £8 : 8s. to £10 : 10s. p.a. (4) The method of reckoning fees and charges varies. In some colls. there is an inclusive charge of £65 to £70 per term. This charge covers items (1) and (2), 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 of about £65 per term, the remaining items being charged separately. Either system leads to a total Coll. bill of between £70 and £80 per term. (5) 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.

The necessary expenses of a student of St. Catherine's Soc. have been estimated (in 1950) at about £200 p.a. for board, lodging, fees and subscriptions. Some students pay additional fees for laboratories and lectures. Any increase in the general cost of living is liable to be reflected in the cost of board.

PUBLICATIONS. *Calendar* (Jan.), 15s. 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 1940). Honours, 1901–1930, are given in the *Supplement to the Historical Register*, 7s. 6d. net, together with much other historical information. Honours to 1900 are in the *Historical Register*, which is now out of print. *Handbook to the University of Oxford*, 8s. 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 7d. (Regns. with dates of examns. and general information); *General Information* (admission, residence, entrance scholarships, examns. for B.A., etc.), 7d. post free; *Statuta* (Oct.), 10s. net; *Examn. Statutes* (Sept.), 3s. 6d. net (post, 4s.); *Pocket Diary* for academic year (Oct.), 6s. 3d. net (by post 3d. extra); *Resident Members*, with their addresses, 6s. net (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 Univer-

sity the following may be cited: Wood (A.), *Hist. of the Univ. of Oxford*, 3 vols., 1792–96; Wood (A.), *Athenæ Oxon. (with Fasti)*, ed. by P. Bliss, 4 vols., 1813–1820; Maxwell-Lyte (H. C.), *Hist. of the Univ. of Oxford to 1530*, 1886; Foster (J.), *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.; Headlam (C.), *The Story of Oxford*, 1907; Mallet (Sir C.), *Hist. of the Univ. of Oxford*, 2 vols., 1924; Barnard (F. P.) and Shepard (T.), *Arms and Blazons of the Colleges of Oxford* (O.U.P., 5s. net); Fletcher (C. R. L.), *Handy Guide to Oxford* (O.U.P., 2s. net); *The Government of Oxford*, 1931; Marriott (Sir John A. R.), *Oxford, its Place in National History*, 1933.

THE YEAR 1948–49

BENEFACTIONS. Gift from Mr. and Mrs. H. N. Spalding of £42,000 for the permanent establishment of the Professorship of Eastern Religions and Ethics originally established for an experimental period by Decree; £10,000 a yr. for 7 yrs. from the Pressed Steel Co., Ltd., for the establishment of Research Fellowships in Physical Sciences; £3500 from Viscount Nuffield for the purchase of a camera for cinéradiographic research in the Nuffield Institute for Medical Research; Infra-red spectrometer for the scientific depts. from American Cyanide Co.; gifts for the Ashmolean Museum from Mrs. Bowman, the Trustees of *Seven Pillars of Wisdom* (in memory of T. E. Lawrence), E. T. Leeds, T. Burton Brown, and Mrs. O. Gutekunst; and bequests from Sir Bernard Eckstein, Bt., and Dr. Campbell Dodgson; bequests for the Bodleian Library from Dr. Campbell Dodgson, J. P. R. Lyell and Miss Henrietta Haynes; from G. H. Gabb for the Museum of the History of Science; 4 grants from Rockefeller Foundation; 2 grants from the Nuffield Foundation; £1865 from British Empire Cancer Campaign for researches in Dyson Perrins Lab.; £700 from Institute of Petroleum for hydrocarbon res. in Physical Chem. Lab.; bequests (*a*) from Miss Mary Goodger of her residuary estate for founding scholps. for res. into the prevention and cause of disease, and (*b*) from Dr. R. H. Murray for Fellowships in History; further endowment of £500 from the High Steward for Ethel Simon Fund; gift of £463 for establishment of Donald Tovey Memorial Prize; gift of Empire timber from the Forestry Commission for fitting and furnishing of Imperial Forestry Institute; anonymous gift for replacement of Gilchrist Studentship; offer from Miss Catharine Stevens to bequeath properties on Boar's Hill to be applied for the promotion of the study of solar observations and atmospheric motions.

NEW BUILDINGS. Laying the foundation stone of Nuffield Coll.; opening of new Geol. Lab.; Animal house for Zool. Dept.; conversion of lab. at Jesus Coll. into undergraduate accom.

NEW POSTS. John Locke Visiting Lecturership; Lecturers in Philos. of Science, European Economic and Soc. Hist., Animal Behaviour, Geog., Chinese, Modern Greek, Industrial Relations, Economic Statistics; Sr. Lectrs. in Hist. of Classical Scholp., Near Eastern Archæol.; Research Lectr. in African Sociol.; Univ. Demrs. in Bot. and Human Anat.; Grad. Assts. in Dyson Perrins Lab. and in Biochem. (Radcliffe Infirmary).

OTHER DEVELOPMENTS. Title of "Clinical Lecturer" created for med. teachers not holding Univ. appointments; Research Adviserships in Indian and Far Eastern Art; establishment of Museum of Eastern Art in the Indian Institute.

LEGISLATION AND CHANGES IN REGULATIONS. *Professorships, Readerships and Lecturerships.* Age limit for Speaker's Lecturership removed; date for

filling of teaching posts altered to Oct. 1; Prof.-Canons allowed to take out pension policies; stipend of Ford's Lectr. increased; Univ. Lecturerships' Statute re-cast; procedure for elections to Professorships revised; academic salaries increased.

General. Powers and duties of Curators of the Univ. Chest redefined; constitution of St. Anne's Society altered; payments to examiners revised.

Examinations, Diplomas, Scholarships, and Prizes, etc. Various amendments of regns. for exemption from Responsions, Hon. Moderations in Greek and Latin Lit., Law Moderations and Final Hon. Schools; necessity of *viva voce* examn. removed in certain cases; three new Prelim. Examns. established; regns. for Gotch Memorial Prize, Christopher Welch Scholps., Boden Scholps., and Theodore Williams Scholps. in Physiol. amended; entrance requirements revised on account of the introduction of the General Certif. of Educn.; new Dipls. in Slavonic Studies, Statistics, and Agric. Econs. (replacing Dipl. in Agric.); establishment of Clinical Scholp. in Med.

SPECIAL ANNUAL LECTURES. The Romanes Lecture was delivered by The Rt. Hon. Lord Brabazon of Tara ("*Forty Years of Flight*"); the Herbert Spencer Lecture by Lord Boyd-Orr ("*The Third Major Transition Phase in the Evolution of Human Society*"); the Halley Lecture by R. d'E. Atkinson ("*The Energy of the Stars*"); the Sidney Ball Lecture by Edward A. Shils ("*Future Developments in Sociology in England*"); the Sir Basil Zaharoff Lecture by M. Pierre Renouvin ("*L'Idée des États-Unis d'Europe dans la pensée politique du XIX^e siècle*"); the Taylorian Annual Lecture by Dr. T. Mann ("*Goethe und die Demokratie*").

RETIREMENTS. Lord Lindsay of Birker from Mastership of Balliol; Sir Henry Clay from Wardenship of Nuffield Coll.; Dr. R. H. Lightfoot from Ireland Professorship of Exegesis of Holy Scripture; Dr. G. C. Cheshire from the Vinerian Professorship of English Law; Principal of Brasenose from Camden Professorship of Ancient History.

RESIGNATION. Canon R. C. Mortimer from Regius Professorship of Moral and Pastoral Theol., on appt. as Bishop of Exeter.

DEATHS. Dr. A. E. Barclay; Viscount Bearsted; Rt. Rev. T. H. Birley; Dr. J. D. Denniston; Lord du Parcq; Dr. W. Garstang; Dr. J. L. le B. Hammond; Dr. B. Harwood; Lord Rankeillour; Sir Muhammad Hydari; Sir Stanley Marchant; Lord Melchett; Dr. R. A. Hull; H. O. Newboult; Sir Frederick Ogilvie; Canon S. L. Ollard; Rt. Rev. R. G. Parsons; P. E. Roberts; A. Souter; W. T. S. Stallybrass; W. N. Stocker; C. H. Thompson; Lord Uthwatt; Dr. E. Walker; Sir Oliver Wardrop; J. Hofmeyr; Sir Warren Fisher; A. E. W. Mason; Earl of Donoughmore; Sir G. F. Hill; W. C. Mitchell; G. B. Grundy; Sir F. J. Wrottesley; Sir Laurence Brock.

HONORARY DEGREES. *D.C.L.*—Rt. Hon. Visc. Jowitt; Rt. Hon. Sir Stafford Cripps; Sir E. E. Bridges; Sir R. D. Furse; Mrs. Eleanor Roosevelt. *D.Litt.*—Earl of Ilchester; A. Hamilton Thompson; T. Mann. *D.Sc.*—Air Commodore Sir F. Whittle; Sir J. D. Cockcroft. *M.A.*—C. R. Fox; C. H. Harrison; J. W. Robertson Scott; W. H. Wheeler.

STUDENTS. Total: full time, 7172; research students: 702; preparing for first degree: 6159; others: 311; the total includes 1076 women; Matriculations: 2221.

DEGREES. B.D., 4; B.A., 1874; M.A., 1133; B.C.L., 25; B.Sc., 35; D.Sc., 4; B.M., 45; D.M., 11; M.Ch., 2; B.Mus., 4; D.Phil., 96; B.Litt., 45; D.Litt., 2; B.Phil., 7.

UNIVERSITY OF READING

Founded 1926

VISITOR—H.M. THE KING.

CHANCELLOR—The Rt. Hon. THE VISCOUNT TEMPLEWOOD, P.C., 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, Bart., B.A. Oxon.

TREASURER—GERALD E. H. PALMER.

REGISTRAR—E. SMITH, B.Litt. Oxon., M.A., B.Sc. Liv.

LIBRARIAN—A. MARY KIRKUS, B.A. Lond., M.A.

BURSAR—E. H. CARPENTER.

Telephone: Registrar—Reading 4422.

TEACHING STAFF

Agriculture, etc., v. *infra*

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.).
Redman, H. V. Asst. Lectr.

Sessional Lecturers

Davies, T. Barry (Drawing and Painting).
Stanfield, Marion W., F.R.S.A. (Sculpture).
Ettlinger, L. D., Ph.D. Marburg (Hist. of Art).
Talfourd Cumming, T., F.R.I.B.A. (Architectural Design).
1 Teacher (Woodwork Construction).

Biochemistry, v. Agr.

Botany, v. also Agr.

Harris, T. M., M.A., Sc.D. Camb., B.Sc. Lond., F.R.S. Prof.
Hora, F. B., B.A., D.Phil. Oxon. Lectr.
Maxted, Mrs. Barbara, B.Sc., Ph.D. Lond. Lectr.
Watson, E. V., B.Sc., Ph.D. Edin. Lectr.
Warren Wilson, J., B.A. Oxon. Asst. Lectr.

Chemistry, v. also Agr.

Guggenheim, E. A., M.A., Sc.D. Camb., F.R.S. Prof.
Cheesman, G. H., B.Sc., Ph.D. Lond., D.I.C., F.R.I.C. Lectr.
Maxted, D. R., B.Sc. Lond. Lectr.
Holt, P. F., B.Sc., Ph.D. Lond. Lectr.
Halberstadt, E. S., B.Sc., Ph.D. Lond. Lectr.
Prue, J. E., B.A., B.Sc., D.Phil. Oxon. Lectr.
1 Demr.

Classics

Cormack, J. M. R., B.A. Camb., M.A. Aberd. Prof.

..... Lectr.
Williams, R. D., M.A. Camb. Lectr.
Crook, J. A., B.A. Camb. Lectr.
Stephen, Mrs. Gwendolen M., M.A. Camb. Lectr.
Ure, Mrs. Annie D., B.A. Lond. (Gr. Archæol.) Hon. Research Fellow.

Dairying, v. *infra*

Education

Barnard, H. C., M.A., B.Litt. Oxon., M.A., D.Lit. Lond. Prof.
Armstrong, H., M.A. Lond., M.Sc. Leeds, M.Ed. Durh. Lectr.
Bentley, A., B.A. Lectr.
Campbell, Isabella E., M.A., B.Ed. Edin., Ph.D., F.B.Ps.S. Lectr.
Fleming, Mary A., B.A. Lectr.
Kermode, Helen S., M.A. Liv. Lectr.
Mallinson, V., M.A. Leeds Lectr.
Murray, Clara A., B.Sc. Lond. Lectr.

English

Gordon, D. J., M.A. Edin., Ph.D. Camb., F.R.Hist.S. Prof.
Young, Jean I., M.A., Ph.D. Camb. Lectr.
Kermode, J. F., M.A. Liv. Lectr.
Salu, Mary B., B.A. Durh., B.Litt. Oxon. Lectr.
Wain, J. B., B.A. Oxon. Lectr.
Meneghello, L., Dott. Lett. Padua (Italian Studies) Lectr.

French

Desseignet, J., Ag. de l'U. Prof.

Lecturers

Allix, Georgette, Ag. de l'U.
Bowen, R., D. de l'U. Strasb., B.A.
Dale, Emily H., B.A., Ph.D.
Paton, Dorothea A., M.A. Oxon.

Geography

Miller, A. A., D.Sc. Lond. Prof.
Frood, A. M., M.A. Liv. Lectr.
Lucas, G. R., B.A. Liv. Asst. Lectr.
Parry, M., B.Sc. Lond. Asst. Lectr.

Geology

Hawkins, H. L., D.Sc. Manc., F.R.S., F.G.S. Prof.
Walder, Phoebe S., B.Sc. Lond. and Reading, F.G.S. Lectr.
Hodson, F., B.Sc. Lond., F.G.S. Lectr.
Sibly, T. C. F., M.A. Camb., B.Sc. Asst. Lectr.

German

Edwards, O. H., M.A. Belf., Ph.D. Bonn Lectr.
Ievers, S. E., B.A. Dub. Lectr.
Reilly, Pamela M. A., M.A., Ph.D. N.U.I. Asst. Lectr.
1 Asst.

History, Modern

Aspinall, A., M.A., D.Litt. Manc., F.R.Hist.S. Prof.

Lecturers

Dodwell, Barbara, M.A. Lond., F.R.Hist.S.
Stenton, Doris M. (Lady Stenton), B.A. Lond., D.Litt., F.R.Hist.S.
Slade, C. F., B.A.
Hinton, R. W. K., B.A. Camb.

Mathematics

Neville, E. H., M.A. Camb., B.Sc. Lond. Prof.

Lecturers

Kreisel, G., B.A. Camb.
Rees, Mary R., M.Sc. Liv., Ph.D. Belf.
Ternouth, Elsie J., M.A. Glas.
White, P., M.A., Ph.D. Camb.

Music

Lofthouse, C. Thornton, D.Mus. Dub. Dir. and Lectr.-in-charge.
8 Teachers.

Philosophy

Hodges, H. A., M.A., D.Phil. Oxon. Prof.
Scrutton, Mary B., B.A. Oxon. Lectr.
Parkinson, G. H. R., B.A. Oxon. Asst. Lectr.
Bowring, Mrs. Nona M., B.A. Oxon. Asst.

Physics

Ditchburn, R. W., B.Sc Liv., M.A., Ph.D. Camb. Prof.
Gray, W. M , M.A., Ph.D. Tor. Lectr.
Henisch, H. K , B.Sc., Ph D. Lectr.
Rymer, T. B , M.A. Camb , Ph D. Lond., F.Inst.P. Lectr.
Sixsmith, H., B.A. Dub. Lectr.
Wills, M. S., M.A., B.Sc. Oxon. Lectr.
Heavens, O. S , B.Sc. Lond. Lectr.
Jutsum, P. J., B.Sc. Asst. Lectr.
Tomlin, D. H., B.Sc., Ph.D. Lond. Res. Physicist.

Political Economy

Budden, E. S., M.A., D.Phil. Oxon. Lectr.
Carr, J. L., B.Sc. (Econ.) Lond. Lectr.
Rawson, June T., B.A. Asst. Lectr.

Psychology

Oldfield, R. C., M.A. Camb. Prof.
Vernon, Magdalen D., M.A. Camb. Lectr.
Boenheim, C., M.D. Königsberg (Psychiatry) Lectr.
Iliffe, A. H., B.A. Asst. Lectr.

Zoology

O'Donoghue, C. H., D.Sc. Lond. Prof.
Eales, Nellie B., D.Sc. Lond. Lectr.
Crichton, M. I., B.Sc. Edin. Lectr.
Mann, K. H., B.Sc. Lond. Asst. Lectr.
Williams, G., B.Sc. Asst. Lectr.
Stoneman, W. E., M.A. Camb. Museum Asst.
White, Kathleen M., M.Sc., Ph.D. Hon. Research Fellow.

Agriculture and Horticulture

Bee, J. W., M.A. Camb. Sec. to Fac.

Agriculture

Sanders, H. G , M A., Ph.D. Camb. Prof.
Black, D. J. G., B.Sc. (Agric.) Edin. Lectr.
Fox, S., B.A. Camb. Lectr.
Pearce, J., Ph.D. Asst. Lectr.
Getty, J., B.Agr. Belf. Asst. Lectr.
Jewell, C. A., B.Sc. (Agric.) Asst. Lectr.
Dominy, J. N., F.R.I.C.S. (Surveying and Building Construction) Lectr.
Higgs, J. W. Y., M.A. Camb. (Farm Mechanization) Lectr.

Agr. Bacteriology, v. also Dairy B.

Richards, T., B.Sc , Ph.D. Lond. Lectr.
Shattock, P. M. Frances, B.Sc. Edin., Ph.D. Lectr.
Jones, Audrey, B.Sc. (Dairying) Asst. Lectr.

Agr. Botany

Brierley, W. B., D.Sc. Manc., F.L.S. Prof.
Erith, Adela G., B.Sc., Ph.D. Lond. Lectr.
Waldie, J. S. L., B.Sc. Edin. Lectr.
Snow, D., Ph.D. Glas., B.Sc. (Agric.) Lectr.
Sawyer, J. C., B.Sc. (Agric.) Lectr.
Owen, H., B.Sc. (Agric.) Lectr.
Haworth, Greta, M.Sc. Manc. Lectr.

Agr. Chemistry

Tyler, C., B.Sc., Ph.D. Leeds Prof.

Grimbleby, F. H., B.Sc. Leeds, Ph.D. Lectr.
Taylor, T. G., M.A. Camb. Lectr.
Tinsley, J., B.Sc. (Agric.), Ph.D., F.R.I.C. Lectr.
Wild, A., B.Sc. Leeds, Ph.D. Lectr.
Hassall, K. A., B.Sc. Lond., B.Sc. Lectr.
Geake, F. H., M.Sc. Brist. Hon. Res. Fellow.
1 Analyst.

Agr. Economics

Thomas, E., B.Litt. Oxon., B.Sc. Wales
Prof. and Provincial Agricultural Economist.
Bisset, G B., B Sc Aberd., M.Sc. Cornell
Sr Advisory Asst. to Provincial Agricultural Economist.
Tuck, R. H., M.A. Oxon. Lectr.
5 Research Assts.

Analytical Chemistry (N.I.R.D.)

Rowland, S. J., B.Sc. (Agric.), Ph.D., F.R.I.C.
Balch, D. A., B.Sc. (Agric.).

Biochemistry (N.I.R.D.)

Kay, H. D., C.B.E., Ph.D. Camb., D.Sc. Manc., F.R.S. Research Prof.

Cod Liver Oil Standardization (N.I.R.D.)

Kon, S. K., Ph D. Warsaw, D.Sc., F.R.I.C.
3 Assts.

Dairy (N.I.R.D.)

Dearden, Dorothy V.

Dairying

Crossley, E. L., B.Sc. Lond., F.L.S., F.R.I.C. Prof.
Sheppard, Anne Lectr.
Cheke, Valerie E. Lectr.
Whitmore, Joan, B.Sc. (Dairying) Asst. Lectr.

Dairy Bacteriology (N.I.R.D.)

Mattick, A. T. R., B.Sc., Ph.D. Lond. Lectr.
Berridge, N. J., B.Sc., Ph.D. Birm.
Rowlands, A., B.Sc. Wales, M.S. Cornell.
Hannay, C. L., B.Sc. Tor., Ph.D. Lond., D.I.C.
Hiscox, Edith R., M.Sc. Lond., B.Sc. Brist.
Hirsch, A., B.Sc. (Dairying), Ph.D.
Neave, F. K., B.S.A. Tor.
Taylor, Margaret E., B.A. Camb.
Sharpe, M. Elisabeth, B.Sc. Lond.
7 Assts.

Dairy Chemistry and Physics (N.I.R.D.)

Blair, G. W. Scott, M.A Oxon., D.Sc., Ph.D. Lond., F.R.I.C., F.Inst.P.
Aschaffenburg, R., Ph.D. Cologne.
Baron, Margaret, B.Sc. Lond.
Harper, R., M.Sc. Manc., Ph.D.
3 Assts.

Dairy Engineering (N.I.R.D.)

Hall, H. S., B.Sc. (Agric.).
Thiel, C. C., B.Sc. (Agric.) W. Aust., Ph.D.
6 Assts.

Dairy Husbandry (N.I.R.D.)

Foot, A. S., M.Sc.
Braude, R., Ph.D.
Castle, M. E., B.Sc. (Agric.) Leeds.
Dodd, F. H., B.Sc. (Agric.).
5 Assts.

Feeding and Metabolism (N.I.R.D.)

Bartlett, S., M.C., B.Sc. (Dairying), Ph.D.
Balch, C. C., B.Sc. (Agric.)., Ph.D.
Walker, D. M., B.Sc. (Agric.), Ph.D.
5 Assts.

Horticulture

Stoughton, R. H., D.Sc. Lond. Prof.
Fraser, H. Lectr.
Hole, Doris R., B.Sc. Lond. Lectr.
Barnwell, R., B.Sc. (Hortic.) Lectr.
Webb, F. H. Manager and Instructor at Horticultural Station.
Lloyd, J. R. Instructor.
1 Demr.
1 Research Chemist.
1 Research Asst.

Lactational Physiology (N.I.R.D.)

Folley, S. J., D.Sc., Ph.D. Manc.
Cowie, A. T., B.Sc. Edin., Ph.D.
French, T. H., B.Sc. Lond.
1 Hon. Research Fellow, 5 Assts.

Nutrition (N.I.R.D.)

Kon, S. K., Ph.D. Warsaw, D.Sc., F.R.I.C.
Henry, Kathleen M., B.Sc. Lond. and N.U.I., Ph.D. Aberd.
Thompson, S. Y., B.Sc. (Agric.), Ph.D.
Kon, Mrs. Phyllis M., Ph.D. Hon. Research Asst.
Porter, J. W. G., M.A., Ph.D. Camb.
Wilby, F., B.Sc. Lond.
1 Hon. Research Fellow.

University Extension

4 Tutors.

N.I.R.D. = National Institute for Research in Dairying, v. *infra*.

The NATIONAL INSTITUTE FOR RESEARCH IN DAIRYING, Shinfield, near Reading, 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.). 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 nine Depts. :—Dairy Chemistry, Dairy Bacteriology, Feeding and Metabolism, Dairy Husbandry, Nutrition, Lactational Physiology, Dairying, Dairy Engineering, and Cod Liver Oil Standardization.

GENERAL INFORMATION

The University was established by Royal Charter, March 17, 1926. For early history, *see Yearbook* for 1929.

In 1947 the University acquired the freehold of the entire Whiteknights Park Estate consisting of nearly 300 acres of parkland situated approx. one mile from Reading. It is proposed ultimately to transfer the entire Univ. to the new site.

LIBRARY, 88,583 vols., including Overstone collection (7500 vols.) of books on Polit. Econ. (pubd. before 1850), English and French thought during eighteenth century, and topography (especially Northamptonshire); 23,649 pamphlets. 320 periodicals are received. MUSEUMS: Zool. and Hist. and Archæol. LABORATORIES: Bacteriol., Bot., Chem., Geol., Mech., Physics, Psych., Zool. Fine Art Studios. School of Music. Agricultural Machinery Hall. Two farms (359 and 400 acres) and Horticultural Station.

FACULTIES: (1) Letters, (2) Science, (3) Agric. and Horticulture (associated with which is the National Inst. for Research in Dairying).

DEANS: (1) Prof. J. M. R. Cormack (Letters); (2) Prof. T. M. Harris (Science); (3) Prof. H. G. Sanders (Agriculture and Horticulture).

SCHOOLS: Art, Music.

ADMISSION. *See* Appendix I.

DEGREES. B.A., M.A., D.Litt.; B.Sc., M.Sc., D.Sc.; B.Sc. (Agric.), B.Sc. (Dairying), B.Sc. (Hortic.); Ph.D. The 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, and the degree of Bachelor may not be granted to a candidate whose record as a student of the University is not deemed satisfactory.

The Charter provides that degrees representing proficiency in technical subjects shall not be conferred without proper security for testing the scientific or general knowledge underlying technical attainments.

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 a Pass B.A. degree, or of the Intermediate or Final Examn. for the B.Sc. In the Final Examn. for the B.Sc., candidates are examined upon either a general course of study (normally 3 subjects) or a special course; honours can be obtained in either case. The Final Examn. (Special) is ordinarily taken after passing the Final Examn. (General). The course for the degree with honours extends over 4 years in Agriculture and in certain cases in Arts and in Science.

UNIVERSITY DIPLOMA COURSES are as follows: 3 yrs.—Fine Art, Landscape Architecture, and 1 yr. (postgrad.)—Agriculture, Agricultural Econ., Hortic., General Bacteriol., Education, Social Study.

A limited number of students are 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 October. 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. There are two Halls for men, Wantage (Warden: J. S. L. Waldie, B.Sc.), St. Patrick's (Warden: T. M. R. Creighton, M.A.), and four for women, St. Andrew's (Warden: Ursula F. Martindale, M.A.), Wessex (Warden: Evelyn M. Wiseman, M.A.), St. George's (Warden: Isobel A. Turner, M.B.E., B.Sc.), Mansfield (Warden: Helen S. Kermode, M.A.). 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. For Expenses, v. *infra.*

SCHOLARSHIPS OPEN TO GRADUATES. Offered annually by the Univ.—Research Scholps. of £250; "Ernest Ridley"—£50 plus tuition fees, for one year, renewable for a second year.

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. or Agric. or Dairying or Hortic., £35 p.a.; Diploma course—Dairying, £35 for 1st, £41 for 2nd year; Landscape Archit., £30; General Bacteriol. (postgraduate), £35 p.a.; Agriculture (postgraduate), £35; Agric. Econ. (postgraduate), £35;

Hortic. (postgraduate), £35; Fine Arts, £30 p.a.; Social Study (postgraduate), £30 p.a. 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 £175 p.a., namely: (i) Registration, matriculation, cap and gown, tuition, examination, and graduation, average £38 p.a. for a degree student. (ii) Maintenance, including board and lodging in Halls or lodgings and sanatorium fee, maximum for 30 weeks about £120 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, £7 p.a.

Courses of lectures open to the public are ordinarily charged for at 15s. per term (30s. per session) for each subject (one hour per week).

APPOINTMENTS. The Registrar.

STUDENT ORGANIZATIONS. Students' Union and Representative Council. An Old Students' Association meets annually at the Univ. at Whitsuntide.

UNIVERSITY EXTENSION, ETC. Agriculturists are helped by correspondence, visits, local lectures, examination of diseased plants, etc. Evening classes are held in Fine Art. Tutorial classes are held in connexion with the W.E.A.

PUBLICATIONS. *Calendar* (Sept.), 2s.; *University Gazette*; General Prospectus (illustrated); Departmental Prospectuses (Degree courses, Education, Agriculture, etc., Landscape Architecture, Fine Arts and Handicrafts, Music; Scholarships and Studentships).

THE YEAR 1948–49

DEVELOPMENTS. Purchase of Shinfield Grange Estate, comprising 478 acres of land, to provide additional site for horticultural instruction.

RETIREMENTS. Prof. R. Dewar (English); H. Davis, Teacher in the School of Art.

RESIGNATIONS. A. P. Shaw, from membership of the Univ. Council; Miss Jean Bosman (Social Studies); H. F. Fieldsend (Agric.); A. T. G. Ford (Zool.); I. G. Reid (Agric. Econ.); C. F. Rowe (Fine Art).

DEATH. Sir Frederick Ogilvie, a member of the Univ. Council.

STUDENTS. Total: 1125; full-time: 1019; pt.-time: 106; the total includes 474 women and 148 postgraduates.

DEGREES. B.A., 75; B.Sc., 47; B.Sc. (Agric.), 53; B.Sc. (Dairying), 19; B.Sc. (Hortic.), 20; M.A., 1; M.Sc., 2; Ph.D., 10.

*

THE UNIVERSITY OF SHEFFIELD

Founded 1905

VISITOR—H.M. THE KING.

CHANCELLOR—The Rt. Hon. THE EARL OF HALIFAX, K.G., P.C., O.M., G.C.S.I., G.C.I.E., D.C.L., LL.D.

PRO-CHANCELLORS—EDWARD BRAMLEY, M.A., LL.D., J.P.; Sir FRANCIS STEPHENSON, O.B.E., T.D., J.P.

VICE-CHANCELLOR—Sir IRVINE MASSON, D.Sc., LL.D., F.R S.

PRO-VICE-CHANCELLOR—Professor DENIS BROWNE, M.A.

TREASURER—GERARD YOUNG.

REGISTRAR—A. W. CHAPMAN, D Sc., F.R.I.C.

BURSAR—J. BYCROFT, M.A.

LIBRARIAN—S. A. PEYTON, Ph.D.

Telephone: Registrar—Sheffield 27451.

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. A. Jackson Prof.
O'Rahilly, R , M Sc., M.B., Ch.B., B.A.O. N.U.I. Lectr.
King, T. S., M.B., Ch.B. Liv. Lectr.
Twohig, M. J., M.B., Ch.B. N.U.I. Demr.
Belton, A. A., M.B., Ch.B. Demr.
Debovitch, H., M.B., Ch.B. Demr.
King, P. A., M.B., Ch.B. Demr.
Cooper, Gertrude M., B.Sc. Lond. Pt.-time Demr.
Jones, C. D. P., M.B.E., M.B., B.S. Lond., F.R.C.S. (Surg. A.) Lectr.
Wilkie, J., M.Sc., M.B., Ch.B. (Radiological A.) Hon. Lectr.
O'Gorman, F. J., F.R.C.S. Ed. Hon. Demr.

Architecture

Welsh, S., M.A., B.Arch. Liv., F.R.I.B.A. Prof.
Howrie, R. J., Dip.Arch. Sr. Lectr.
Drought, A. B., B.Arch. Liv., M.Arch. Mass. Sr. Lectr.
Thomson, R. B., B.A. Lectr.
Powis, G. J., M.A. Lectr.
Isherwood, K., Dip.Art. Manc. Lectr.
Daykin, A., Dip.Arch. Lectr.
Wragg, R. B., M.A. Lectr.
Harries, J. M., B.Arch. Wales, M.A. Asst. Lectr.
Mills, W. J. N., Dip.Arch. Wales Asst. Lectr.
Jenkins, J. M., Dip.Arch. Wales Asst. Lectr.
Leighton, H. B., M.A., F.R.I.B.A. (Building Sci. Subjects) Lectr.

Bacteriology, v. Medicine, *infra*

Biblical History and Literature

Bruce, F. F., M.A. Aberd. and Camb. (in charge of Dept.) Sr. Lectr.

Guilding, Aileen E., M.A. Oxon. Asst. Lectr.

Biochemistry, v. Medicine, *infra*

Biology, v. Botany and Zool.

Botany, v. also Zool.

Clapham, A. R., M.A., Ph.D. Camb. Prof.

Boswell, J. G., M.Sc. Lond. Sr. Lectr.

Segrove, F., B.Sc., Ph.D. (Biology) Lectr.

Webster, J., B.Sc. Lond. Lectr.

Thoday, J. M., B.Sc., Ph.D. Wales (Cytogenetics) Lectr.

Whitehead, F. H., B.A. Oxon. Asst. Lectr.

Hough, J. S., B.Sc. Manc. 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.

Turner, Emily G., M.Sc. Lectr.

Lamberton, A. H., B Sc., Ph.D. Glas. Lectr.

Peacock, D. H., M.A. Camb., D.Sc. Lond., F.R.I.C. Lectr.

Tyrrell, H. J. V., B.A., B.Sc. Oxon. Lectr.

Wyatt, P. A. H., B.Sc., Ph.D. Wales Asst. Lectr.

Woodward, P., B.Sc., Ph.D. Brist. Asst. Lectr.

Mills, O. S., B.Sc. Liv. Asst. Lectr.

Child Health, v. Medicine, *infra*

Classics

Tate, J., M.A., Litt.D. Dub. (Greek) Prof.

Craig, J. D., B.A. Oxon., M.A., D.Litt. St. And. (Latin) Firth Prof.

Laughton, E., M.A. Oxon. Sr. Lectr.

Corbett, P. B., M A. Lectr.

Hulton, A. O., M.A. Oxon. Asst. Lectr.

Batley, Lilian, M.A. Pt.-time Asst.

Dentistry, v. *infra*

Economics

Jones, G. P., M.A., Litt.D. Liv. Prof.

Gilbert, J. C., B.Com. Lond. Sr. Lectr.

Greystoke, J. R., B.Sc. (Econ.), B.Com. Lond. Lectr.

Thornhill, W., B.Sc. (Econ.) Lond. (Pub. Econ. and Admin.) Lectr.

Davies, J. H., M.A. Wales Asst. Lectr.

Langley, S. J., M.Com. Birm. Asst. Lectr.

Adams, J. W. L., M.A. Oxon. Pt.-time Lectr.

Education

Turnbull, G. H., M.A. Liv., Ph.D. Bonn Prof.

Bradford, E. J. G., M.Sc. Lond. Sr. Lectr.

Thompson, J. Ridley, M.C., T.D., D.Sc. Durh. Sr. Lectr.

Halloran, J. H., M.A. Leeds Lectr.

Armytage, W. H. G., M.A. Camb. Lectr.

Williams, Eirian N., B.Sc. Wales Lectr.

Brown, Nora M., M.A. Camb. Lectr.

Dunkley, Ruth E. L., B.A. Camb. Asst. Lectr.

Richardson, J. Elizabeth, M.A. Lond. Asst. Lectr.

Engineering, v. *infra*

English Lang. and Lit.

Knights, L. C., M.A., Ph.D. Camb. (Eng. Lit.) Prof.
Wilson, R. M., M.A. Leeds (Eng. Lang.) (in charge of Dept.) Sr. Lectr.
Hamer, D., M.C., M.A. Liv. (Eng. Lit.) Sr. Lectr.
Danby, J. F., B.A. Durh., M.A. Camb. (Eng. Lit.) Sr. Lectr.
Murray, W. A., M.A. Glas. (Eng. Lit.) Lectr.
Thomson, Patricia, M.A. Oxon. (Eng. Lit.) Lectr.
Klingopoulos, G. D., M.A. Camb. (Eng. Lit.) Lectr.
Berry, F., B.A. Lond. (Eng. Lit.) Lectr.
Scott, F S , B.A. Camb. (Eng. Lang.) Lectr.
Cameron, K., B A. Leeds (Eng. Lang.) Lectr.

French

Lawton, H. W., M.A. Wales, D. de l'U. Paris Prof.
Lyons, W. H., M.A., Ph.D. Dub. Lectr.
..... Lectr.
Shaw, Marjorie, B.A. Lond., D. de l'U. Paris Lectr.
Blaess, Madeleine, B.A. Leeds, L. ès L. Asst. Lectr.
Leakey, F. W., B.A. Lond. Asst. Lectr.
Francis, K. H., B.A., Ph.D. Lond. Asst. Lectr.
Juge, P., L. ès L. Lecteur.
Gaudin, F., L. ès L. Lecteur.
Gallon, Geneviève, L. ès L., Dip. d'E.S. Lectrice.
Diez, Anne-Marie, L. ès L. Lectrice.

Fuel Technology, v. Engin., *infra*

Geography

Linton, D. L., M.Sc. Lond. 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. Asst. Lectr.
Waters, R. S., B.A. Reading Asst. Lectr.
Eyre, S. R., B.Sc. Lond. Res. Demr.

Geology

Moore, L. R., Ph.D. Brist. Sorby Prof.
Wilcockson, W. H., M.A. Camb. Reader.
Sylvester-Bradley, P. C., B.Sc. Reading, F.G.S. Lectr.
Wilkinson, P., B.Sc. Lond., F.G.S. Lectr.

German

Pickering, F. P., B.A. Leeds, Ph.D. Breslau (in charge of Dept.) Sr. Lectr.
Mainland, W. F., M.A. Edin. Lectr.
Yuill, W. E., M.A. Aberd. Asst. Lectr.
Kolisko, Gertrud, Ph.D. Vienna Asst.

Glass Technology, v. Engin., *infra*

History

Hopper, R. J., B.A. Wales, Ph.D. Camb. (Anc. H.) (in charge of Dept.) Sr. Lectr.
Potter, G. R., M.A., Ph.D. Camb. (Mod. H.) Prof.
Lewis, N. B., M.A., Ph.D. Manc. (Mediæval H.) Sr. Lectr.
Tyler, J. E., M.A. Oxon., M.A. (Modern H.) Sr. Lectr.
Haley, K. H. D., M.A. Oxon. Lectr.
Carr, W., B.A. Birm. Asst. Lectr.

Law

Browne, D., M.A. Oxon. Prof.
Metcalfe, O. K., M.A., LL.M. (Pub. and Com. L.) Ind. Sr. Lectr.
Farran, C. D'O., B.C.L., M.A. Oxon. Asst. Lectr.

Mathematics

Walker, A. G., M.A. Oxon., Ph.D., D.Sc. Edin., F.R.A.S. Town Trust Prof.
Stewart, C. A., B.A. Camb., M.A., D.Sc. Glas. (Pure Maths.) Sr. Lectr.
Cox, R. R. S., M.A. Camb., F.R.A.S. (App. Maths.), Curator of Observatory Sr. Lectr.
Mirsky, L., M.Sc. Lond., Ph.D. Lectr.
Holt, M., M.Sc., Ph.D. Manc. (App. Maths.) Lectr.
Davies, D. R., M.Sc., Ph.D. Lond. (App. Maths.) Lectr.
Jowett, G. H., B.A. Lond. (Statistics) Lectr.
Burkill, H., B.A. Camb. Lectr.
Abson, H., M.A. Camb., M.Sc., B.Com. Tutor.
Patterson, E. M., B.Sc. Leeds Res. Demr.
Ashton, Winifred D., B.A., B.Sc. Leeds Res. Asst.

Medicine, v. *infra*

Metallurgy, v. *infra*

Mining, v. Engin., *infra*

Music

Deas, J. S., M.A., Mus.Bac. Edin. James Rossiter Hoyle Prof.
Bullivant, R. F. T., M.A., B.Mus. Oxon. Asst. Lectr.
Linstead, G. F., D.Mus. Durh. Asst. Lectr.

Philosophy

Cousin, D. R., B.A. Oxon. Prof.
Gilbert, A., B.Sc. Lond. (Psychology) 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.Inst.P. Prof.
Lawson, R. W., D.Sc. Durh., F.Inst P. Sr. Lectr.
Clarke, J. R., M.Sc., F.Inst.P. Sr. Lectr.
Conn, G. K. T., M.A. Aberd., B.A., Ph.D Camb Sr. Lectr.
Yates, E. Leighton, M.Sc., Ph.D. Wales and Camb., F.Inst.P. Lectr.
Donovan, B., B.Sc. Lond., D.I C. Lectr.
Bush, H. D., B.Sc., Ph.D. Leeds Lectr.
Beattie, J. R , B Sc St. And Lectr.
Fiddes, J., M.A., B.Sc. Edin. Asst. Lectr.
Randall, R. F. Y., B.Sc. Lond. Asst. Lectr.
Reynolds, T. N., B.Sc. Res. Demr.
Crangle, J., B.Sc. Res. Demr.
Miller, H., M.A., Ph D. Camb. (Radiological P.) Hon. Lectr.

Physiology

Smyth, D. H., M.D., M.Sc Belf., Ph.D. Lond. Prof.
Gibson, Q. H., M.D., Ph.D. Belf. Sr. Lectr.
Winter, L. B., M.A., M.D. Camb. Lectr.
Wiseman, G., M.B., B.S. Lond. Asst Lectr.
Clarke, E. W., B.Sc., M.B., Ch.B. Birm. Asst. Lectr.
Bacon, Enid E., B.Sc. Lond. Demr.

Public Health, v. Medicine, *infra*

Social Studies

Black, Ellinor I., B.Sc. (Econ.) Lond. Director.
Ovens, Kathleen, B.A. Lond. Tutor.

Spanish

Pierce, F. W., M.A. Belf. and Dub. (in charge of Dept.) Hughes Lectr. and Sr. Lectr.

May, T. E., M.A. Manc. Lectr.
Brooks, J. L., B.A. Dub. Lectr.
Moragas, F., Dr. en Odont. Madrid Temp. 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. Reading Sr. Lectr.
Segrove, F., B.Sc., Ph.D. Lectr.
Thoday, J. M., B.Sc., Ph.D. Wales (Cytogenics) Lectr.
Ebling, F. J. G., M.Sc., Ph.D. Brist. Lectr.
Jones, J. D., B.Sc. Lond. Asst. Lectr.
Bullough, W. S., Ph.D, D.Sc. Leeds
Hon Lectr. and Sorby Fel.
Whittington, B., B Sc. Res. Asst.

Engineering

v. also Maths., *supra*

Swift, H. W., M A. Camb., D.Sc. (Eng.) Lond.
Prof of Engineering.
Dudding, B. P, M.B.E., Ph.D., F.Inst.P. (Indus. Statistics) Hon. Lectr.
Hill, R., M.A., Ph.D. Camb. (Plasticity) Hon. Lectr.
Freeman, P., B.Eng. Lectr.

Res. Asst. to Prof.

Briggs, G. C., B.Eng.

Engineering, Civil

Boulton, N. S., M.Sc. Birm. (in charge of Dept.) Sr. Lectr.
Haythornthwaite, R. M., B.Sc. Durh., B.Sc. (Eng.) Lond. Lectr.
Cowan, H. J., M.Sc. Manc. Lectr.
Armstrong, S., B.Sc. Tech. Manc. Lectr.

Engineering, Electrical

Butler, O. I., M.Sc. Wales (in charge of Dept.) Sr. Lectr.
Harrison, D., M.Eng. Liv. Lectr.
Jones, C. V., M.Eng. Liv. Lectr.
Benson, F. A., M.Eng. Liv. Lectr.
Lloyd, H, M.Eng, Ph.D. (Wireless Telegraphy) Demr.

Engineering, Mechanical

Turner, F C., M.Eng. (in charge of Dept.) Sr. Lectr.

Lecturers

Davies, H. J., M.Sc. Lond.
Burnet, W., B Eng.
Jenkins, R. B M., M.A. Camb.
Parker, C. F., B.Sc. Lond.
Baildon, E., M.Sc. (Eng) Lond.
Dudley, B. R., B Sc. (Eng.) Lond.

Fuel Technology

Sarjant, R. J., O.B.E., D.Sc. Lond. Prof.
Kirkby, W. A., M.Sc., Ph D. Manc, F.R.I.C. Lectr.
Hulse, C., B.Sc. Birm. Lectr.
Beet, A. E., B.Met., Ph.D. Lectr.
Littlechild, J. E., B.Sc. Lond. Lectr.
Price, P. H., B.Sc.
Res. Asst. to Prof.

Glass Technology

Moore, H., D.Sc. Lond., F.Inst.P. Prof.
..... Sr. Lectr.
Parkin, M., M.Sc.
Lectr. and Sr. Research Asst.
Dimbleby, Violet, M.Sc.
Sr. Research Asst.
Hill, D. K., B.Sc. Manc. Lectr.
Taylor, H. E., M.A. Oxon. Lectr.
Tress, H. J., B.Sc., Ph.D. Lectr.
Nicholls, A. W., B.A., B.Sc. Oxon. Lectr.
Ainsworth, L., B.Sc.
Res. Asst. and Asst. Lectr.

Kilby, W. F., B.Sc. Res. Asst. and Asst. Lectr.

Mining

Statham, I. C. F., M.Eng., F.G.S. Prof.
Hurst, G., B.Eng. Lectr.
Shepherd, R., B.Sc.(Eng.) Lond., F.G.S. Lectr.
Bamber, T. F., B.Eng. Lectr.

Metallurgy

Quarrell, A. G., D.Sc., Ph.D. Lond., F.I.P. (Physical M.) Prof.
Maddocks, W. R., B.Sc. Wales, Ph.D. Glas. (Ferrous) Sr. Lectr.
Orme, F., M.Met. (also Dental M.) (Non-Ferrous) Sr. Lectr.
White, J., D.Sc., Ph.D. Glas. (Refractories) Sr. Lectr.
MacDougall, A. J., M.Met. Lectr.
Protheroe, H. T., B.Sc. Wales Lectr.
Havenhand, D., B.Sc. Lectr.
de Belin, G. A., M.Met. Lectr.
Woodhead, J. H., B.Met. Lectr.
Hume-Rothery, W., M.A., D.Sc. Oxon. Hon. Lectr.

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., D.P.H. Edin. Prof.
Elsden, S. R., B.A., Ph.D. Camb. (Microbiol.) Sr. Lectr.
Beverley, J. K. A., B.Sc., M.B., Ch.B. Lectr.
Fry, B. A., B.A. Camb. Asst. Lectr.
Paine, C. G., M.D., B.S. Lond. Hon. Lectr.
Cook, L. G., M.B., Ch.B., D.P.H. N.Z. Hon. Lectr.
Colquhoun, J., M.B., Ch.B. Hon. Lectr.
Beattie, May H., B.A. Br. Col., Ph.D. Edin. Hon. Demr.
Stewart, Sheila M., B.Sc. Lond. Hon. Demr.

Biochemistry

Krebs, H. A., M.A. Camb., M.D. Hamb., F.R.S. Prof.
Bacon, J. S. D., M.A., Ph.D. Camb. Lectr.
Johnson, Monica, M.Sc. N.Z. Lectr.
Burton, K., B.A. Camb. Asst. Lectr.
Davies, R. E., M.Sc. Manc. Hon. Lectr.
Jordan, A., M.B., B.S. Lond. (Clinical B.) Hon. Lectr.

Demonstrators

Kornberg, H. L., B.Sc.
Edelman, J., B.Sc. Lond.
Forshall, W. Hon. Demr.
Podmore, D. A. Hon. Demr.

Child Health

Illingworth, R. S., M.D. Leeds, F.R.C.P., D.P.H., D.C.H. Prof.
Doxiadis, S., M.D. Athens Sr. Lectr.
Lorber, J., B.A., M.B., B.Chir. Camb. Lectr.
Philpott, M. G., M.B., B.S. Lond., D.C.H. Tutor.
Gordon, R. R., M.C., M.D., D.C.H. Glas. Hon. Lectr.
10 Clin. Teachers.

Forensic Medicine

Forbes, G., B.Sc., M.B., Ch.B. 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. Prof.

Lecturers and Clin. Teachers

Imrie, C. Gray, M.D., D.Sc. W. Ont., F.R.C.P. (Clinical M.).

Wayne, E. J., M.D., M.Sc., Ph.D. Leeds, F.R.C.P. (Clinical M.).
Gumpert, T. E., M.B., Ch.B., F.R.C.P. (Clinical M.).
Brody, H. P. (Clinical M.).
Leishman, A. W. D., B.A., D.M. Oxon. (Clinical M.).
Skipper, E. W., M.D. Lond. (Clinical M.).
Turner, H. M., M.D. Manc., D.P.H. (Tuberculosis).
Kennedy, J. M., M.B., B.Ch., B.A.O. Belf., D.P.H. (Infectious Dis.).
Carson, J., M.B., Ch.B. St. And. (Neurol.).
Grout, J. L. A., M.C., F.R.C.S.Ed., D.M.R.E. Camb., F.F.R. (Radiol.).
Blomfield, G. W., M.A. Camb., F.R.C.S., D.M.R. (Radiotherapy).
Vickers, H. R., M.Sc., M.B., Ch.B. (Dermatol.).
Thorpe, F. T., D.P.M. (Mental Dis.).
Esher, F. J. S., M.B., Ch.B. Birm., D.P.M. (Mental Dis.) Hon. Asst.
Carson, J., M.B., Ch.B. St. And. (Psychol.).
Finch, E. F., M.D., M.S. Lond., F.R.C.S. (Hist. of Med.)
Kilpatrick, J. A., M.D. N.Z. Lectr.
Gatman, M. W. A., M.B., Ch.B., B.Sc. N.Z. (Medical Pathology).
Davies, C. E., M.A., B.M., B.Ch. Oxon. Lectr.
Appleby, J. Christine, B.Sc. Lond., Ph.D. Reading Bacteriologist.
6 other Clin. Teachers.

Obstetrics and Gynæcology

Russell, C. S., M.A. Oxon., M.B., Ch.B. Edin., F.R.C.S.Ed. Prof.

Lecturers and Clin. Teachers

Stacey, J. E., M.D., B.S. Lond., M.B., Ch.B., F.R.C.S.Ed., F.R.C.O.G.
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. Glas., F.R.C.S., F.R.F.P.S. Glas. Lectr.
Chisholm, J., M.B., Ch.B. Edin., F.R.C S.Ed., F.R.C.O.G. (Vaccination) Lectr.
1 other Clin. Teacher.

Pathology

Green, H. N., M.A. Camb , M.Sc., M.D. Joseph Hunter Prof. and Dir. of Cancer Research.
Harding, H. E., B.A., D.M. Oxon. (Medical Path.) Sr. Lectr. and Curator of Museum.
Gatman, M. W. A., M.B., Ch.B., B.Sc. N.Z. (Med. Path.) Lectr.
Whiteley, H. J., B.Sc., M.B., Ch.B. Asst. Lectr.
Ghadially, F. N., M.B., B.S. Bombay and Lond., M.D. Lond. Asst. Lectr.
Edwards, J. L., M.A., M.B., B.Chir. Camb. Hon. Lectr.
Hermitte, L. C. D., M.B., Ch.B. Edin., D.T.M. and H. Hon. Lectr.
Emery, J. L., M.D. Brist., D.C.H. Hon. Lectr.
Chesterman, J. T., F.R.C.S., F.A.C.S. Hon. Lectr. (Surg. P.) and Asst. Curator of Museum.
Hopewell, J. D., B.Sc., M.B., Ch.B. Demr.
Osborn, G. R., M.B., B.S. Melb. Hon. Demr.

Pharmacology and Therapeutics

Wayne, E. J., M.Sc., Ph.D., M.D. Leeds, F.R.C.P. Prof.
Wood, D. R., M A., B.Sc., B M., B.Ch. Oxon. (Pharmacol.) Lectr.
Wilson, G. M., B.Sc., M.B., Ch.B., F.R.C.P. Ed. (Therapeutics) Lectr.
MacGregor, A. G., B.Sc., M.B., Ch.B., F.R.F.P.S. Glas. (Therapeutics) Lectr.
2 Instrs.

Public Health

Stevenson, D. O., M.B., Ch.B. Aberd. (Venereal Dis.) Hon. Lectr.

Social and Industrial Medicine

Hobson, W., B.Sc., M.D., D.P.H. Leeds Prof.
Pemberton, J., M.D. Lond. Sr. Lectr.
Sharpe, J., M.B., Ch.B., F.R.F.P.S. Glas., D.P.H. Lectr.
Roe, J. W., B.Sc. Lond. (Industr. Hyg.) Lectr.
Wrighton, R. F., B.A. Camb. Statistician.
Woodhouse, D. L. Res. Asst.
Trevethick, R. A., M.B., Ch.B. Hon. Lectr.

Surgery

Brockman, R. St. L., M.A., M.Chir. Camb., F.R C.S. Prof.
Randall, D. H., F.R.C.S. Tutor.

Lecturers

Yates, H. Blacow, 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.).
Cobb, J. H., M.B , B.S. Lond., M.B., Ch.B., F.R.C.S. Eng. and Ed. (Ear, Nose and Throat).
Ferguson, W. J. W., M.B., Ch.B. Glas. (Ophthalmic S.).
Pleasance, R. E., M D., D A. (Anæsthetics).
13 other Clin Teachers.
5 Instrs.

Dentistry

v. also Metallurgy

Roberts, G. L., M.B., Ch.B , B.D S. Liv., F.D.S.R.C.S. (D. Surg.) Prof , Director of Dental Studies.
Hampson, E. L., B.D.S. Liv., H.D.D. (Operative Dent. Surg.) Lectr.
Hull, J. (Dent. Surg.) Asst. Lectr.
Rastall, R., L.D S. (Dent. Surg.) Hon Demr.
Rayner, G. H., L.D.S., F.D.S.R.C.S. (Maxillo-facial Surg.) Hon. Lectr.
Hodson, J. J., B.D S. (Dent. and Oral Path.) Lectr.
Heald, H. R., L.D.S. (Oral Anat. and Histol.) Lectr.
Bradford, E. W., M.D.S. (Oral Anat. and Histol., Prev. D) Lectr.
Gardiner, J. H., B.D.S. Manc. (Orthodontics) Tutor.
Eirew, H. L., L.D.S. Manc. Hon. Demr.
Turrell, A. J. W., L.D.S. Leeds (D. Mech. and Prosthetics) Sr. Lectr.
Smith, J. Pitchford, B.Ch.D., L.D.S. Leeds (D. Mech. and Prosthetics) Lectr.
Orme, F., M.Met. (D. Metallurgy) Lectr.
Pleasance, R. E., M.D., D.A. (Anæsthetics) Lectr.
4 other Clin. Dental Teachers.

Evening Studies

Davies, H. J., M.Sc. Lond. (Engin.) Director.
de Belin, G. A., M.Met. (Metall.) Director.

Extra-mural Studies

Bruce, M., B.A. Lond. Director.

Staff Tutors

Roper, J. I., B.Litt. Oxon. Sr. Tutor.
Crowther, D., M.A. Leeds, Ph.D. Glas.
Gawthorpe, W., B.A. Leeds.
Hawkins, G. R. S., B.Sc. (Econ.) Lond.
Eaglestone, A. A., B.Litt. Oxon.
Bestall, J. M., B.A. Oxon.
Mendelson, B.Sc.(Econ.) Lond.
Whittington, W. E., M.A.

Tutors

28 members of the Univ. Academic Staff and 42 others.

ADMINISTRATIVE STAFF

Asst. Registrar, J. McIntyre, M.A. Glas. Asst. Bursars, R. M. Urquhart, M.A. St. And., M. Nicholson. Superintendent of Buildings, J. D. Auld, T.D. Appointments Officer, E. A. Ovens, B.A. Lond.

DEPT. OF EDUCN., G. S. Horner, M.A. Oxon.

LIBRARY. Sub-Librarian, J. E. Tolson, B.A. Leeds, M.A. Liv.

AFFILIATED INSTITUTIONS

BARNSLEY MINING AND TECHNICAL COLLEGE, SCUNTHORPE TECHNICAL SCHOOL, LINCOLN TECHNICAL COLLEGE, AND CHESTERFIELD TECHNICAL COLLEGE. Students proceeding from "Affiliated Institutions" to the Univ. to take courses for an Honours degree, Associateship or Diploma in the Facs. of Engineering or Metallurgy may receive certain concessions.

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.

LIBRARY (Arts, Pure Science, Medicine and Law), 179,916 vols. and pamphlets. 658 current periodicals. LIBRARY (Applied Science), 14,062 vols. and pamphlets. 123 current periodicals. Also Special Glass Technology departmental collection.

LABORATORIES, ETC. Equipment for advanced study and research in all Departments. Special provision for Engineering, in all branches, including Mining and Fuel Technology, and also for Glass Technology and Metallurgy, the equipment for the latter including an experimental scale steel works. The laboratories for Botany, Geography, Zoology and Biochemistry have been rehoused in new and much larger premises started before the war but not finished until 1941.

OBSERVATORY with 6¼" equatorial telescope and 2¾" transit instrument.

HOSPITALS available for clinics include 2 general (962 beds), 5 special (1532 beds), and Mental Hospital (2000 beds).

FACULTIES. (1) Arts (including Archit.), (2) Law, (3) Pure Science, (4) Medicine (including the Dental Dept.), (5) Engineering (Depts. of Civ.,

Elec., Mech., Mining and Fuel E., Fuel Tech., Glass Tech.), and (6) Metallurgy (Ferrous, Non-Ferrous and Founding). *Deans*: (1) Prof. J. Tate (Greek), (2) Prof. D. Browne (Law), (3) Prof. A. R. Clapham (Botany), (4) Dr. J. G. McCrie, (5) Prof. H. Moore (Glass Technol.), (6).....
School of Social Studies—*Director*: Ellinor I. Black. There is a Univ. Training Dept. for Teachers for elementary and secondary schools. *Dept. of Glass Technology*: The Dept. housed in a new block of buildings 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 Metallurgy include, in addition to the ordinary subjects of a metallurgical training in Ferrous and Non-Ferrous Metallurgy, special instruction in Foundry Metallurgy and in the use of semi-large scale plant. Postgraduate courses are arranged for graduates in all Faculties.

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. (3 yrs.' evening courses may, under certain conditions, be taken by students of 20 yrs. of age in lieu of the 2nd and 3rd yrs.' day courses), 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 Universities (in the Faculty of Metallurgy a University of the British Empire) 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. 7-8).

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, Basel, Berne, Berlin, Besançon, Bordeaux, Caen, Freiburg, Giessen, Göttingen, Grenoble, Heidelberg, Innsbrück, Liège, Leipzig, Lyons, Montpellier, Münster, Paris, Poitiers, Rennes, 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.—in each case a candidate must present a thesis approved by the Faculty concerned and, except for LL.M., pass an oral examn. 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. 16.

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.' Evg.

study; L.D.S., 5 yrs.; Microbiol., 1 yr.; Glass Technology, 3 yrs. (for those with 2 yrs.' practical experience, 2 yrs.); Soc. Studies (postgrad.), 1 or 2 yrs.; Associateship in Engin. (Evg. Students), 4 yrs.; Associateship in Fuel (Evg. Students), 4 yrs.; Associateship in Iron and Steel or Non-Ferrous Met. (Evg. Students), 5 yrs.

Certificates, Architecture (3 yrs.'); Biblical History and Literature (2 yrs.' evening study); Soc. Studies (2 yrs.').

Evening Classes in Mechanical, Civil, and Electrical Engineering, in General Science, Metallurgy, Fuel and Glass Technology, are held during the 6 months Oct. to April, and Trades Technical Classes are held in association with the National Trades Technical Societies. 96 additional lecturers and teachers are employed on this work besides some members of the regular staff. For notes on the extent to which these classes are recognized as qualifying for degrees, etc., v. *supra*—Degrees, Diplomas.

Evening Classes are also provided in Econ., Secretarial Practice, Acctcy., Law, 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).

SCHOLARSHIPS, ETC., FOR GRADUATES. Alfred Tongue Scholp., £80 for 1 yr., for research in Engin., Met., or Chem.; several Robert Styring Research Scholps., £100 p.a., for research in ferrous and non-ferrous metals; Mechanics Institute Scholp., £50 p.a. for 1 yr., together with fees for courses taken by the holder, for research in one of the Depts. of the Univ.; 2 Frederick Clifford Scholps., each £60 p.a. for 2 yrs., for research in one of the Depts. of the Univ.; Ezra Hounsfield Linley Postgraduate Scholp., £75 to £100 p.a. for 1 yr., for research in Fac. of Engin. or Fac. of Met. or Physics or Chem.; Town Trustees Fellowships (4, 2 in Arts and 2 in Science and Technology), £75 p.a. for 1 yr., for research in one of the Depts. of the Univ.; Kemsley Travelling Fellowship, £400 p.a. for 1 yr.; Sir H. K. Stephenson Travelling Fellowship in Architecture; George Senior Fellowships, £125 p.a., 2 offered annually for research, one in Engin., and one in Met.; Goodwin Fellowship, £300 p.a. for 2 yrs., for postgraduate work in Engin. or Met.

OPEN FELLOWSHIPS. Ellison Fellowships, up to £320 with remission of fees, for research in Chem., Physics and (in certain conditions) Engin.; Coke Research Fellowship, £350; Glass Delegacy Fellowship, £600 for 2 or 3 yrs., open to graduates in Engin. or Sci. J. G. Graves Medical Research Fellowship.

Note. The number and value of Scholarships and Fellowships are liable to reduction in all cases.

RESIDENCE, ETC. There are two Halls of Residence for men, Crewe (Warden: J. W. L. Adams, M.A.) and Ranmoor House (Warden: W. R. Maddocks, Ph.D.), £99 p.a.; and one for women, University Hall (Warden: Miss E. M. Bone, B.A.), £99 p.a. Both Crewe and University Halls have annexes to accommodate additional students. A list is maintained of Lodgings supervised by a Special Committee, and there is a full-time Warden of

Lodgings (Miss E. T. M. Ball); board and lodging cost from 45s. upwards per week. Athletics ground, about 40 acres. The Union Rep. Council takes a leading part in the social life of the Univ. There is a Students' Union for men and women.

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 examination in his or her first yr. All students are entitled to consult the Medical Officer of the Student Health Service. (Medical Officer in Charge: P. W. W. Gifford, M.B., Ch.B. Birm.)

APPOINTMENTS BOARD. Appointments Officer: E. A. Ovens, B.A.

There is an OLD STUDENTS' ASSOCN. which publishes periodically lists giving addresses, occupations, honours, etc.

INSTITUTE OF EDUCATION. *Constituent Members.*—The Univ. Dept. of Educn.; the City of Sheffield Training Coll.; Thornbridge Hall Training Coll.; Wentworth Castle Training Coll.; Lady Mabel Coll. of Physical Educn. *Associated Member.*—The City of Sheffield Coll. of Arts and Crafts. *Director.*—N. R. Tempest, Ed.M. Harvard. *Sec.*—H. T. Edwards, B.Sc. Lond.

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. Director of Extra-mural Studies: M. Bruce, B.A.

PUBLICATIONS. *Calendar* (Oct.), 5s.; *Sheffield University Gazette*, pubd. once each term, 3d.; *The Arrows*, a Chronicle pubd. twice a year, annual subs., 2s.; *Annual Report* (Dec.); Fac. and Training Dept. Prospectuses; Scholarships pamphlet.

THE YEAR 1948–49

BENEFACTIONS. Contributions and promises amounting to £354,502 have been received towards the Univ. Devel. Fund which opened Jan. 23, 1949. Lists of these have been published. The contributions made during the period under review include £5000 from the Derbyshire C.C., £4480 from the Parkgate Iron & Steel Co., Ltd., £4000 from Messrs. Newton Chambers & Co., Ltd., all to be spread over a number of yrs.; and the promise of the Nottingham C.C. to subscribe £1000 a yr. for some yrs. to come. Provision of additional Fellowships by the Sheffield Town Trustees, and of a Travelling Fellowship for 1949 of £150 by the Herbert Hughes Memorial Trustees.

NEW BUILDINGS. Work has continued on the new Hall of Residence for Men, and the second bldg. of the devel. scheme—a new block for the Dept. of Chem.—has been begun. Reconditioning and alterations have been undertaken in a number of the Univ. bldgs. to adapt them to new and extended uses.

NEW POSTS. (i) Full-time Directorship, Institute of Education; (ii) Readers (3); (iii) Sr. Lectrs. (2); (iv) Lectrs. (4); (v) Asst. Lectrs. (10); (vi) Research Assts. (2).

CHANGES IN REGULATIONS. A full-time 1-yr. course of postgrad. standard has been established, leading to a Diploma in Microbiology.

EXTRA-MURAL WORK. During the session 1948–49, 95 Tutorial and Sessional Classes, 32 Univ. Extension courses, 2 one-day schools, three special courses and a number of single lectures were held.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. J. Fourquet (Strasbourg), "Wolfram von Eschenbach and the Story of the Grail"; Prof. J. Trier (Münster), "Rhythmus"; Dr. R. F. Brown (Leeds), "Castilla, corazón de España"; Prof. A. J. Battistessa (Buenos Aires), "Literatura Argentina"; Dr. N. B. Slater (Leeds), "Eddington's Fundamental Theory"; Prof. P. Erdös (Syracuse, U.S.A.), "The Prime Number Theorem"; G. J. Whitrow (London), "A Critical examination of the Law of Inertia"; Prof. E. T. Davies (Southampton), "The Geometry of the Calculus of Variations"; Prof. C. F. Powell (Bristol), "Recent advances on our Knowledge of Mesons"; Dr. D. Lack (Oxford), "Population Ecology in Birds," "The Finches of Galapos and adaptive Radiation"; Prof. A. Dalcq (Brussels), "Induction in Vertebrate Development," "Regulation in Prochordate Eggs," "Germinal Organisation and Evolution"; Prof. F. H. Smirk (Otago), "Hypertension"; Sir Leonard Parsons (Birmingham), "Hæmolytic Disease of the Newborn."

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. G. R. Potter (Mod. Hist.), "Great Britain and the Mediterranean" at Cologne, "An English View of the Renaissance" at Bonn, Cologne and Göttingen, "Recent Historical Research in Great Britain" at Bonn, Cologne, Hamburg and Kiel; Prof. A. G. Walker (Maths), "Relativity" at Univ. Coll., Southampton and Aberdeen; Dr. A. S. C. Lawrence (Chem.), "The Stability of Emulsions" at Bristol and Manchester; Prof. H. A. Krebs (Biochem.), lectures on various aspects of tissue metabolism and other biochemical subjects at Columbia, New York, Yale, Pennsylvania, Harvard, California, Stanford, Washington, St. Louis, Chicago, Wisconsin, and the Western Reserve, Cleveland; J. T. Chesterman (Surgical Pathol.), "Surgery of the Oesophagus and Surgery of Bronchiectasis and Cancer of the Lung" at Rome, Florence, Bologna and Naples.

RETIREMENTS. Prof. B. M. Laing (Philos.); H. Rayfield, sr. member of the Registrar's staff.

RESIGNATIONS. W. R. Ashcroft (Archit.), on appt. as Sr. Lectr. in Archit. at Dundee Inst. of Art and Technol.; Dr. T. D. H. Baber (Engin. Maths.), on appt. as Hd. of Maths. Dept., Cardiff Tech. Coll.; W. A. Batley (Fuel Tech.); A. E. Bender (Biochem.); C. R. K. Blundell (Geol.), on appt. as Lectr. in Geol., Univ. of Birmingham; Dr. T. E. T. Bond (Bot.), on appt. as Sr. Lectr., Horticultural Sci., Univ. of Bristol; Dr. J. H. Bowie (Bact.), on appt. as Bacteriologist at the Royal Infirmary, Edinburgh; K. Brooke (German), on appt. as Lectr. to The Queen's Univ., Belfast; A. Carlyle (Physiol.), on appt. as Sr. Lectr. in Physiol., Univ. of Bristol; Prof. G. T. Clapton (French), on appt. to Chair of French, Univ. of Leeds; Dr. Verona M. Conway (Bot.), on appt. to a scientific post in the Nature Conservancy; S. Davison (Glass Technol.); Dr. R. T. Gaunt (Physiol.); Dr. A. A. Glynn (Physiol.); Dr. J. F. Goodwin (Pharm. and Therap.), on appt. as Physician to Hammersmith Hospl. and Lectr. in Postgrad. Med. School, London; Valerie M. Hawkins (Metall.); Dr. B. E. Heard (Pathol.), on appt. as Jr. Lectr. in Morbid Anat. at St. Mary's Hosp. Med. School, London; C. Hinchliffe (Admin.), on appt. as Bursar, Royal Coll. of Art, London; Dr. Joan Laird (Medicine); W. S. Milner (Electr. Engin.), on appt. as Hd. of Dept. of Electr. Engin., Kingston-upon-Hull Munic. Tech. Coll.; W. Moser (Chem.), on appt. as Lectr. in Analyt. Chem., Univ. of Aberdeen; Dr. H. Motz (Engin. Physics); J. R. Oates (Archit.); Dr. S. M. Patel (Anat.); Dr. J. W. Perrott (Anat.), on appt. as Lectr. in Oral Anat., Univ. of Durham; Dr. J. A. Pope (Mech. Engin.), on appt. to Chair of Engin., Univ. of Nottingham; Dr. J. B. Pyper (Anat.); D. W. Riley (Chem.); Dr. Llywelyn Roberts (Public Health); Miss D. M.

Sage (Warden, Univ. Hall); R. A. G. Savigear (Sub-Warden, Ranmoor House); Prof. F. W. Shotton (Geol.), on appt. to Chair of Geol., Univ. of Birmingham; Dr. J. McLean Smith (Medicine), on appt. as a Fellow in Medicine, Dept. of Medicine, Biol. Div., Johns Hopkins Hosp., U.S.A.; Dr. T. Stapleton (Child Health), on election to Radcliffe Travelling Fellowship, Univ. of Oxford; R. B. Thomson (Archit.), on appt. as Sr. Asst. in Archit., Glasgow Coll. of Art; S. R. Tinker (Dental Mechs. and Prosths.); Dr. J. D. Weston (Maths.), on appt. as Lectr. in Maths., King's Coll., Newcastle upon Tyne; F. W. Wright (Archit.), on appt. as Archit. to Ministry of Health and Local Govt., N.I.

DEATH. Hon. Prof. D. Hay (Mining), Prof. 1922–25.

HONORARY DEGREES. *LL.D.*—Col. W. Mackenzie Smith. *M.A.*—Mrs. Emily Wragg; J. P. Lamb.

STUDENTS. Total: 4194; full-time: 1908; pt.-time: 2286; the total includes 635 women and 205 graduates.

DEGREES. B.A., 127; B.Mus., 1; M.A., 7; LL.B., 6; LL.M., 1; B.Sc., 91; M.Sc., 7; Ph.D. (Pure Science), 9; D.Sc., 1; M.B., Ch.B., 27; M.D., 2; B.D.S., 4; B.Eng., 43; B.Sc. Tech., 10; Ph.D. (Engin.), 2; B.Met., 23; Ph.D. (Metall.), 5.

*

UNIVERSITY OF WALES

Founded 1893

VISITOR AND PROTECTOR—H.M. THE KING.

CHANCELLOR—H.R.H. THE DUKE OF EDINBURGH, K.G., R.N., LL.D.

PRO-CHANCELLOR—The Right 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, 1952, Principal IFOR L. EVANS, M.A. Camb., Hon. D.Litt. Malta, Univ. College of Wales, Aberystwyth.

WARDEN OF THE GUILD OF GRADUATES—Sir FREDERICK REES, M.A. Oxon., M.Com., Hon. LL.D. Birm., B.A., Hon. LL.D.

DEAN OF DIVINITY—The Rev. Prof. J. D. VERNON LEWIS, M.A. Oxon., B.A., B.D.

REGISTRAR—ERIC EVANS, M.A. Oxon., B.A., University Registry, Cathays Park, Cardiff.

SECRETARY TO THE COUNCIL—ELWYN DAVIES, M.A., M.Sc., Ph.D. Manc.

Telephone: Registry—Cardiff 1776, 1777.

CONSTITUENT COLLEGES

UNIVERSITY COLLEGE OF WALES, ABERYSTWYTH.

UNIVERSITY COLLEGE OF NORTH WALES, BANGOR.

UNIVERSITY COLLEGE OF S. WALES AND MONMOUTHSHIRE, CARDIFF.

UNIVERSITY COLLEGE OF SWANSEA.

SCHOOL OF THE UNIVERSITY

THE WELSH NATIONAL SCHOOL OF MEDICINE.

ASSOCIATED THEOLOGICAL COLLEGES AND SCHOOLS OF THEOLOGY

UNITED THEOLOGICAL COLLEGE, ABERYSTWYTH AND BALA. At *Aberystwyth*: Principal—Rev. W. R. Williams, M.A., Prof. of *Christian Doctrine and Ethics*. Other Profs.: Rev. Basil Hall, M.A., *Church Hist.*; S. H. Hedley Perry, M.A., *Hebrew and O.T. Exegesis*; Rev. H. Pari Owen, B.A., *New T. Greek*; Rev. D. Morris Jones, M.C., M.A., B.D., *Theism and Philos. of Religion and Hist. of Religions*. At *Bala*: Principal—Rev. Griffith Rees, M.A.; Rev. R. N. Williams, M.A., *Past. Theol.*

BANGOR SCHOOL OF THEOLOGY, Rev. Principal J. Williams Hughes, M.A., B.D., Rev. H. J. Charles, M.A., Rev. J. E. Yates, M.A., B.D., *N.T. Greek*; Rev. Prof. C. R. North, M.A., D.D., D. R. Ap-Thomas, M.A., B.D., *Hebrew*; Rev.

Prof. W. T. Pennar Davies, B.A., B.Litt., Ph.D., Thomas Richards, M.A., D.Litt., Prof. Emer. R. T. Jenkins, M.A., D.Litt., *Ch. Hist.*; Rev. Principal G. Bowyer, B.A., B.D., *Christ. Doct.*; Prof. Hywel D. Lewis, M.A., B.Litt., G. E. Hughes, M.A., *Philos. of Religion*; Rev. D. W. Gundry, M.Th, *Hist. of Religions*; Rev. Prof. T. Ellis Jones, M.A., B.D., *The Holy Script.*

BRECON, The Memorial Coll. Principal—Rev. Joseph Jones, M.A., B.D., *New T. Greek and Exegesis.* Other Profs.: Rev. Isaac Thomas, B.A., B.D., *Ch. Hist.*; Rev. J. D. Vernon Lewis, M.A., B.D., *Hebrew and Old T. Exegesis*; Rev. D. J. Davies, B.A., *Christian Doctrine and Ethics, Theism and Philos. of Religion.*

CARDIFF SCHOOL OF THEOLOGY. Prof. L. J. D. Richardson, M.A., Rev. Prof. D. R. Griffiths, M.A., B.D., M.Th, *New T. Greek and Exegesis*; Prof. A. R. Johnson, Ph.D., Rev. E. R. Rowlands, M.A., *Old T. Hebrew and Semitics*; Rev. Principal Edward Roberts, M.A., B.D., *Philos. of Religion, Philosophical Theism and Christian Doctrine and Ethics*; Rev. Prof. Emlyn Davies, B.A., B.Litt., *Church History.*

CARMARTHEN, The Presbyterian Coll. Principal—Rev. J. D Jones, B.A., B.D. Lectrs.: Vacant, *Ch. Hist.*; Rev. Prof. J. O. Stephens, M.A., B D., *Christian Doctrine and Ethics, and Theism and the Phil. of Religion*; Rev. Prof. D. P. Roberts, M.A., B.D., *New T. Greek*; Rev. Prof. D L. Trevor 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 important changes. For outline of changes, *see Yearbook*, 1929. 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 as relieving a student from repeating in College work done in Secondary Schools, and with other matters lying in the borderland between School and Univ.

ADMISSION. *See* Appendix I.

DEGREES. B.A., M.A., D.Litt.; B.Sc., M.Sc., D.Sc.; B.Mus., M.Mus., D.Mus.; LL.B., LL.M., LL.D.; M.B., B.Ch., B.Pharm., M.D., M.Ch., M.Pharm.; B.D., D.D.; B.Arch., M.Arch.; Ph.D. (in Arts, Science, Law, Medicine).

For a first degree 3 yrs. of study are required. The degree in Med. is only open to a graduate in Arts or Science or Law of some British or approved colonial or foreign Univ.; the period of qualification is 6 yrs., of which the last 3 may be spent in an approved School of Med. in the U.K. or in one of the

Univs. of Paris, Berlin, Vienna, or the Johns Hopkins Univ. The degree of B.D. (3 yrs.' course) is postgraduate; 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 South Wales and Monmouthshire, Cardiff, respectively. 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. Study for an Honours degree in Arts, Science, Music, or Law ordinarily covers 4 yrs. 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. 16.

DIPLOMAS. Education, 1 yr. postgraduate; Public Health (C.P.H.), full-time for one term, subsequent to attainment of registrable qualification; 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 Hospital and attendance at approved courses of instruction); Agricultural Science or Forestry, 1 yr. for graduates and others with equivalent qualifications; Theology, 3 yrs.; Agriculture, 3 winter sessions of two terms each and approved practical work.

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 SCHOLARSHIPS, ETC. The Univ. has funds amounting to over £7000 p.a., including the income of a capital sum of £20,000 given by the late Dr. Samuel Williams of Llanelly, Carms., for the encouragement of research. In addition to 8 Fellowships (annual value £300 each), one of which is a Dr. Samuel Williams Fellowship, tenable for 2 yrs., it awards 20 studentships (4 named Dr. Samuel Williams Studentships), on the nomination of the Colls. to students who after graduation engage in work preparatory to research for 2 yrs. Grants to assist research into Welsh language, institutions, etc., are made, preferably to members of the Univ., from the T. Ellis Memorial Fund (capital £1574).

Details concerning other postgraduate awards are given in the Univ. Calendar.

The UNIVERSITY APPOINTMENTS BOARD is concerned with appointments of all kinds (Secretary—J. H. Lloyd, M.Sc.). Address: University Registry, Cathays Park, Cardiff.

1948–49, 510 appointments (men 343, women 167), including: Educational, 238; Industrial, etc., 215; vacation posts, 57.

PUBLICATIONS. *Calendar* (Oct.), 6s. post free. Courses in Div. and in Mus., and Matricn. and Degree Regns., free. Matricn. Examn. Papers, 9d. Degree Papers: Arts, 6s., Science, 5s., Medicine, 1s., Theology, 9d. Bulletin of Board of Celtic Studies, 7s. 6d. per part (5s. to subscribers). Publns. of the Council of Music. The best account of the early history of the Univ. is in *The University of Wales*, by W. Cadwaladr Davies and W. Lewis Jones (F. E. Robinson & Co.). 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.

THE YEAR 1948–49

INSTALLATION OF CHANCELLOR. **H.R.H. Prince Philip, Duke of Edinburgh, Earl of Merioneth, K.G., was installed as Chancellor of the Univ. on April 28, 1949.**

BENEFACTION. Miss E. M. Hovey, £700 to bring up the capital value of the Rosa Hovey Memorial Scholarship to £2000.

RECENT DEVELOPMENTS. Approval has been given for the provision of Hons. courses in Biblical Hist. and Lit., and in Music for the degree of B.A. at the Univ. Coll. of North Wales. Regulations for the degree of M.Ch. have been revised.

DEATH. Dr. Jenkin James, O.B.E. (First Sec. of the Univ. Council).

HONORARY DEGREES. April 1949 Congregation: *D.Mus.*—H.R.H Princess Elizabeth, Duchess of Edinburgh, K.G. *LL.D.*—H.R.H. The Duke of Edinburgh, Earl of Merioneth, K.G.; Rt. Hon. C. R. Attlee; Rt. Hon. Lord Aberconway; Miss Margaret Davies; Rev. Princ. J. Jones; Rev. E. Lewis; Lady Megan Lloyd-George; Most Rev. D. L. Prosser; Emlyn Williams; Prof. Emeritus Sir Ifor Williams. July 1949 Congregation: *M.A.*—I. G. Rees; Rev. G. M. Roberts. *LL.D.*—Visc. Kemsley of Dropmore; Sir Frederic Kenyon; G. H. Latham. *D.Sc.*—F. J. North. *D.Litt.*—T. R. Hughes.

STUDENTS. Total: 5300; full-time: 5147; pt.-time: 153; the total includes 1258 women and 501 postgraduates.

DEGREES. B.D., 9; B.A., 441; M.A., 24; LL.B., 12; B.Sc., 547; M.Sc., 26; D.Sc., 2; B.Pharm., 9; M.Pharm., 1; M.B., B.Ch., 39; B.Mus., 4; Ph.D., 21; B.Arch., 4.

UNIVERSITY COLLEGE OF WALES
ABERYSTWYTH

Founded 1872

PRESIDENT OF THE COURT OF GOVERNORS AND OF THE COUNCIL—THOMAS JONES, C.H., M.A., LL.D.

VICE-PRESIDENTS—The Rt. Hon. THE EARL OF LISBURNE; Lieut.-Col. Sir GEORGE FOSSETT ROBERTS, C.B., O.B.E., D.L., LL.D., J.P.

TREASURER—IVOR EVANS, M.A. Oxon.

PRINCIPAL—IFOR LESLIE EVANS, M.A. Camb., Hon. D.Litt. Malta.

VICE-PRINCIPAL—Prof. R. B. FORRESTER, M.A. Edin., M.Com. Manc.

REGISTRAR—T. MAELGWYN DAVIES, M.A.

LIBRARIAN—A. AP GWYNN, M.A.

Telephone: Aberystwyth 346, 347.

TEACHING STAFF

Agriculture, v. *infra*

Anthropology, v. Geography

Arts and Crafts, v. Education

Botany

Newton, Mrs. L., D.Sc. 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. Lectr.

Chemistry

Davies, C. W., D.Sc., F.R.I.C. Prof.
Hudleston, L. J., M.C., B.Sc. Lond., F.R.I.C. Sr. Lectr.
Evans, W. Chas., Ph.D. Manc., M.Sc. (Biochem.) Sp. Lectr.
Davies, M. M., Ph.D. Camb., M.Sc. Lectr.
Bowen, J. B., B.Sc. Lectr.
Monk, C., B.Sc., Ph.D. Lond. Lectr.
Jenkins, E. N., M.Sc. Lectr.

Classics, v. Greek and Latin

Economics and Pol. Science, v. also Politics

Forrester, R. B., M.A. Edin., M.Com. Manc. Prof.
Herbert, Sydney, M.A. Sp. Lectr. in Admin.
George, Percy, M.A. Camb., M.Sc. Sr. Lectr.
Morris, J. H., M.Sc. (Econ.) Lond. Lectr.
Guenault, P. H., M.A. Sheff. Lectr.
Lewis, John E., B.A. Asst. Lectr.
Hughes, C. F., M.A., D.P.A. Lond. Asst. Lectr.

Education (incl. Art and Crafts)

Jones, Idwal, M.A. Prof.
Jones, Gwenan, Ph.D. Minn., M.A. Sr. Lectr. and Mistress of Method.
Creed, Rachel M., M.A. Oxon. Lectr.

Saer, Hywela A., Ph.D. Lond., B.A. Lectr.
Lewis, W. J., M.Sc. Lond. Lectr.
Trott, A. L., M.Ed. Durh., M.A. Lectr.
Pinsent, A., M.A. Lond., B.Sc. Lectr. in Fac. of Educn.
Gapper, R. L., B.Sc. Lectr. (Art and Crafts), Curator of Museum.
Nisbet, Scott Asst.
Davies, Gwenhwyfar Pt.-time Asst.
2 Instrs. in Physical Training.

English Lang. and Lit.

Jones, G., M.A. Rendel Prof.
Earnshaw, J., M A. Manc. Lectr
Nosworthy, J. M., B.A. Reading Lectr.
Kinsley, J., M.A. Edin., B.A. Oxon. Lectr.
Price, C. J. L., M.A. Lectr.
Slay, D. L., B.A. Oxon. 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, M.A. Lectr.
Taylor, O. R., M.A. Lectr.

Geography and Anthropology

Bowen, E. G., M.A. Gregynog Prof.
Fogg, W., M.A. Manc. Lectr.
Watson, E., M.A. Belf. Lectr.
Howe, G. M., M.Sc. Lectr.
Thomas, J. G., M.A. Lectr.
Yates, R. A., B.Sc. Brist. Asst. Lectr.
Carter, H., B.A. Asst. Lectr.
Taylor, J. A., M.A. Liv. Asst. Lectr.

Geology

Wood, A., B.Sc Lond., Ph.D., D.Sc. Liv. Prof.
Challinor, J., M.A. Camb. Sr. Lectr.
Platt, J. I., M.Sc. Manc. Sr. Lectr

German

Evans, David, M A. Prof.
Webber, Kathleen, B.A. Leeds, D.Phil. Oxon. Lectr.
Finch, R. G., B.A. Asst. Lectr.

Greek and Latin

Davies, W. H., M.A. Prof. of Classics
Duff, A. M., M.A., B.Litt. Oxon. Sr. Lectr.
Hudson-Williams, A., M Litt. Camb., B.A. Lectr.
Wild, L. N., B.A. Oxon, M.A. Sheff. Lectr.
Rees, B. R., M.A. Oxon. Lectr.

History

Treharne, R. F, M A., Ph.D. Manc. Prof
Soltau, R. H., M.A. Oxon. Sp. Lectr.
Johnston, S. H. F., M.A., B.Litt. Oxon. Sr. Lectr.
Sanders, I. J., D.Phil. Oxon., M.A. Lectr.
Davies, A., M.A. Lectr.
Fryde, E. B., M.A., D.Phil. Oxon. Asst. Lectr.

History, Colonial, v. Politics, International

History, Welsh

Williams, D., A.M. Columbia, M.A. Sir John Williams Prof
Pierce, T. J., M.A. Liv. Research Prof. (Med.).

Law, English

Davies, D. J. Ll., M.A. Camb., LL.B. Prof.
Dias, R. W. M., M.A., LL.B. Camb. Lectr.
Crespi, C. J., B.A. Camb. Asst. Lectr.
Wilson, J. F., B.A. Oxon. Asst. Lectr.

Logic and Philosophy

Aaron, R. I., D.Phil. Oxon., M.A. Prof.
Davies, Dan, Ph.D. Glas., M A. Sr. Lectr.
Jones, J. R., D.Phil. Oxon., M.A. Lectr.
Spilsbury, R. J., M.A. Oxon. Lectr.
Rees, W. J., B.A. Asst. Lectr.

Mathematics, Applied

..... Indpt. Lectr.
Meyler, Dorothy S., M.Sc. Lectr.
Easthope, C. E., Ph.D. Camb., M Sc. Lectr.

Mathematics, Pure

Morton, V. C., M.A. Oxon. Prof.
Williams, D. R , Ph.D. Stras., M.A Sr. Lectr.
Meyler, Dorothy S , M.Sc. Lectr.

Music

Parrott, H. I., M.A , D Mus. Oxon. Gregynog Prof.
Clements, Charles, B.Mus , F.R C.O. Lectr.
Clapham, J., D.Mus. Lond. Lectr.

Executants and Teachers

Allen, W. R. (Singing).
Jeremy, Raymond, F.R.A.M. (Viola).

Philosophy, v. Logic

Physics

Davies, R. M., Ph.D. Camb., D.Sc., F.Inst.P. Prof.
Jones, I. C., M.Sc., F.Inst.P. Sr. Lectr.
Richards, D. A., M.Sc. Lond., D.I.C. Lectr.
Evans, G. R., M.Sc. Liv., Ph.D. Lectr.
Job, E. M., B.Sc. Lectr.
Jones, W. M., D.Phil. Oxon., B.Sc. Lectr.

1 Tech. Asst.

Politics, International

Reynolds, P. A., M.A. Oxon. Wilson Prof.
John, I. G., M.Sc. Lond., B.A. Lectr.

Welsh History, v. History, Welsh

Welsh Lang. and Lit.

Parry-Williams, T. H., D.Litt. Oxon., Ph.D. Freib., M.A., D.Litt. Prof.
Jones, D. J. Gwenallt, M A. Sr. Lectr.
Jones, T., M.A. Sr. Lectr.
Hughes, G. H., M.A. Lectr.

Zoology

Stephenson, T. A , D.Sc. Prof.
Watkin, E. E., D.Sc , Ph.D. Sr. Lectr.
Rees, Florence G., D Sc., Ph.D. Sr. Lectr.
Jones, J. R. E., D.Sc., Ph.D. Lectr.
Healey, E. G., B.Sc. Lond., Ph.D. Munich Lectr.

Agriculture and Rural Economy

Nichols, J. E., M.Sc. Durh., Ph.D. Edin., F.R.S.Ed. (Animal Husbandry) Milford Prof.
Phillips, Richard, M.Sc. Asst. Dir.
Evans, W. Chas , Ph D. Manc., M.Sc (Biochem.) Sp. Lectr.
Evans, E. T. Rees, B.Sc. Lond. Lectr. in Animal Physiol.
Newman, G., B.Sc. Reading Lectr.
Ellison, W., B.Sc., Ph.D. Durh. (Crop Husbandry) Prof.
Henderson, J. L., B.Sc. Edin. Asst. Lectr.

Agric. Botany

..... Prof.
Thomas, P. T., B.Sc., Ph.D. Sp. Lectr.
Griffiths, J. E., B.Sc. Lectr.

Agric. Chemistry

Davies, R.O., M.Sc., F.R.I.C. Ind. Lectr.

Ashton, W. M., B.Sc., Ph.D. Sr. Lectr.

Agric. Economics

Nash, E. F., M.A. Oxon. Prof. and Adviser.
Howell, J. Pryse, O.B.E., M.Sc. Asst. Adviser.
Phillips, J. R. E., M.A. Sr. Agric. Economist.
Roberts, B. H., M.Sc. Agric. Economist.

Asst. Agric. Economists

Jones, W. D., B.Sc.
Rees, A. M. M., M.Sc.
Hooper, Ada D., M.A.
Johnson, Eira, B.A Lond.
Williams, E. L., B.Sc.
Dummer, M., B.A.

Agric. Zoology, v Zool., *supra*

Dairying

Lewis, John Director of Dairy.
Billing, Eve, B.Sc. Reading (Dairy Bact.) Asst. Lectr.
McIntosh, Margaret I., B.Sc. Reading Instructress

Plant-Breeding Station

..... Director.

Research Officers i/c Investigations

Jones, E. T., M.Sc.
Evans, Gwilym, M.Sc.
Jones, Ll. I., B.Sc.
Beddows, A. R., M.Sc.
Williams, W., M.Sc.

Research Officers

Milton, W. E. J., M.Sc.
Phillips, Ll., B.Sc.
Griffiths, D. J., M Sc.
Roberts, H. M., B.Sc.
Davies, W. E., B.Sc.
Cooper, J. P., B.Sc. Reading.
Hughes, R., B.Sc.
Lewis, J , B Sc
Davies, I., B.Sc.
Jones, K , B.Sc.
Troughton, A., B.Sc. Durh.
Carr, A. J. H , B.Sc. Lond.
Lazenby, A., B.Sc.
Hughes, A. W., B.Sc.
Jones, Rhoda P., B A. Translator.

University Extension

Rees, A D , M A Director of Extra-mural Studies

Residential Tutors

Lewis, D. Hughes, B A
Thomas, Brynmor, B.A.
Jones, W. J., B.A.
90 Tutors.

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 Students' Hostels are on the sea front, facing Cardigan Bay.

LIBRARIES. College, 106,400 vols. and 13,250 pamplets. Access to the National Library of Wales, founded in 1907, Copyright Library since 1912, 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: Archæol., Bot., Chem., Ethnog., Geog., Geol., Zool., Gallery of Arts and Crafts. Agric. Expl. and Plant-Breeding Stations.

FACULTIES. Arts, Science, Rural Sci., Law, Music. *Departments*: Agriculture, Teaching, Art and Handicraft, Extra-mural, Phonetics. A special

feature is the ample provision for instruction and research in International Politics, Agriculture and Animal Health.

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.; 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 courses (1 yr.) for Teachers, and in Agric.

RESEARCH work is systematically carried on in all Departments.

ANNUAL FEES for tuition in Arts, £30; Science, £35; Research students, 10 to 20 gs.; Registration, £1 : 1s.

SCHOLARSHIPS FOR GRADUATES. Research, value £40 to £200, open to students of the College. *See also* under Univ. *Travelling Grants* for visiting Continental institutions, total, £440. Grant varies according to expenses incurred. Sir John Williams Research Studentships for Welsh Studies.

RESIDENCE. There are two hostels for women (Alexandra Hall and Carpenter Hall) accommodating about 300 students. Enquiries should be addressed to the Registrar. Fee for board and residence, £95 per session. There are two Hostels for men students. Enquiries should be addressed to the Registrar. Fee for board and residence, £95 per session

UNIVERSITY EXTENSION. Extra-mural classes in many subjects.

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 Institute of Chemistry.

PUBLICATIONS. *Prospectus* (May); *Reports* (Oct.), 1s. 2d., post free; Students' Magazine, *The Dragon*; Inaugural Lectures.

THE YEAR 1948–49

BENEFACTIONS. *Dept. of Agric.* (*Animal Husbandry*)—*Animal Health Section*: Rt. Hon. Lord Milford, £2200; Hon. Gwenllian Philipps, £500. *Agric. Devel. Fund*: Col. E. Harewood-Williams, £250; W. L. Davies, £125. *Scholp. and Prize Funds*: G. A. Edmunds, £30; J. H. Bunford, £40; Dr. A. B. Thomas, £50; Miss Evelyn Lewes, £5. *Geol. Dept.*: C. B. C. Storey, £27 : 10s. *Welsh Plant Breeding Station*: Messrs. C. Dalley & Co. Ltd., £2 : 2s.; the late Sir D. Owen Evans, £2000.

EXTRA-MURAL WORK. Classes were held at 145 centres (34 Tutorial Classes, 2 Sessional Classes, 65 Terminal Courses and 44 Short Courses).

STUDENTS. Total: 1282; full-time: 1278; pt.-time: 4; the total includes 334 women and 161 postgraduates. Extra-mural, 2262.

DEGREES. B.A., 129; M.A., 14; LL.B., 15; B.Sc., 118; M.Sc., 7; Ph.D., 8; D.Sc., 1.

UNIVERSITY COLLEGE OF NORTH WALES, BANGOR

Founded 1885

PRESIDENT—The Rt. Hon. LORD KENYON.
CHAIRMAN OF THE COUNCIL—The Rt. Hon. LORD KENYON.
PRINCIPAL—D. EMRYS EVANS, M.A., B.Litt. Oxon.
SECRETARY AND REGISTRAR—KENNETH LAWRENCE, B.Sc.
LIBRARIAN—E. G. JONES, M.A.

Telephone: Registrar—Bangor 501.

TEACHING STAFF

Agriculture, v. *infra*

Botany

Richards, P. W., M.A., Ph.D. Camb. Prof.
Thoday, D., M.A., Sc.D. Camb., F.R.S. Prof. Emeritus.
Davey, A. Jane, M.Sc. Lond. Sr. Lectr.
Woodhead, N., M.Sc. Manc. Sr. Lectr.
Jackson, G. A. D., B.Sc., Ph.D. Durh. Lectr.
Lacey, W. S., B.Sc. Reading Lectr.
Tweed, R. D. Hon. Keeper of the 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. Lectr.
Newth, F. H., B.Sc., Ph.D. Birm. Lectr.
Holmes, F., B.Sc. Lond. Lectr.
Riddiford, A. C., B.Sc., Ph.D. Birm. Asst. Lectr.

Classics

Wycherley, R. E., M.A. Camb. (Greek) Prof.
Clarke, M. L., M.A. Camb. (Latin) Prof.
Hudson-Williams, T., M.A., D.Lit. Lond. (Greek) Prof. Emeritus.
Thomson, H. J., M.A. Oxon., D.Litt. St. And. (Latin) Prof. Emeritus.
Browne, R. A., Ph.D. Camb., M.A. Lectr.
Pollard, J. R. T., M.A. Lond., B.Litt. Oxon. Lectr.
Fitton-Brown, A. D., B.A. Camb. Asst. Lectr.
Simpson, R. H., B.A. Durh. Asst. Lectr.

Economics

Rees, J. Morgan, M.A. Prof.
Pritchard, D. Dylan, M.A. Lectr.
Scammell, W. M., B.Com. Belf. Lectr.
Gray, M., M.A. Aberd. Lectr.
Johnston, J., B.Com.Sc. Belf. Asst. Lectr.

Education

Jenkins, D. W. T., M.A. Oxon. Prof.
Archer, R. L., M.A. Oxon. Prof. Emeritus.

Rogers, J., Ph.D. Sr. Lectr.
Lewis, Mrs. H. D., M.A. Lectr. and Tutor of Women Students.
Alexander, Miss M. B. Lectr.
Williams, Ivor, B Sc Lectr.
Clegg, F. E., M.A. Camb. Lectr.
Jones, W. R., M.A. Lectr.
Jones, David Instructor in Rural Science.
Gibson, Mrs. A. I. P.T. for Women.

Electrical Engineering

Williams, Emrys, B.Eng., Ph.D. Liv. Prof
Williams, W. E., B.Sc. Prof. Emeritus.
Morris, D. G. O., M.Sc. Lectr.
Jones, D. Collister, B.Sc Lectr.
Russell, G. M., B.Sc. (Eng.) Lond (Mech. Engin.) Lectr.

English Lang. and Lit.

Wright, H. G., M.A. Manc. Prof.
King, R. W., M.A. Lond Sr. Lectr.
Davies, C., M.A. Sr. Lectr.
Owen, W. J. B., M.A. N.Z. and Oxon. Lectr.
Bradbrook, F. W., M.A. Camb. 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 Botany) Sr. Lectr.
Owen, T. H., B.Sc. Lectr.
Molesworth, Col. F. C. Sp. Lectr.
Sutherland, J. W. R., B.Sc. Edin. Temp. Lectr.

French and Romance Philol.

Jones, P. Mansell, M.A. Camb. and Wales, B.Litt. Oxon. Prof.
Cariou, Hélène Lectrice.
Watkins, J. H., M.A. Lectr.
Barber, W. H., M.A. Oxon. Asst. Lectr.
Grimsley, R., M.A., D.Phil. Oxon. Asst. Lectr.

German and Teutonic Philol.

Spalding, K., M.A., Ph.D. Birm. Indpt. Lectr.
Stuart, Mrs. H. S. M., B.A., Ph.D. Lond. Lectr.
Parry, I. F., M.A. Asst. Lectr.

Hebrew and Biblical History and Literature

North, C. R, M.A., D.Lit. Lond., Hon. D.D. Aberd. Prof.
Roberts, Rev. Bleddyn, M.A., B.D. (Bib. Hist. and Lit.) Sr. Lectr.
Ap-Thomas, D. R., M A. Oxon., B.D. Lond., B.A. (Hebrew) Lectr.
Yates, Rev. J. E., M.A., B.D. Manc. Asst. Lectr.

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.
Apps, M. Una, Ph D. Leeds Lectr.
Cooke, M. E., B.A. Oxon., LL.B. Birm. Lectr.
Lewis, R. A., B.A., Ph.D. Birm. Asst. Lectr.

History, Welsh

Roberts, Glyn, 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.
Hughes, Rev. G. E., M.A. Glas. Sr. Lectr.
Jones, H. Morris, B.Litt. Oxon., B.A. Lectr.
Thomas, L. E., M.A. Lectr.

Rees, D. A., M.A. Oxon. Asst. Lectr.
Miles, T. R., M.A. Oxon. Asst. Lectr.

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. Sr. Lectr.
Barker, C. C. H., M.Sc. Lond. Asst. Lectr.

Music

Williams, D. E. Parry, D.Mus., B.Sc. Director.
Davies, E. T., F.R.C.O. Director Emeritus.
Smith, R. C., M.Mus. Lectr.
5 Executants and Teachers.

Philosophy, v. Logic and Theol.

Physics

Owen, E. A., M.A., Sc.D. Camb., D.Sc. Lond., M.Sc., F.Inst.P. Prof.
Mainstone, P. A, M.Sc. Brist., F.I.P. Sr. Lectr.
Wright, P., Ph.D. Wales and Camb., F.I.P. Sr. Lectr.
Jones, H. Irvon, M.Sc. Lectr.
Morris, D. P., B.Sc. Lectr.
Morgan, G. D., B.Sc., Ph.D. Asst. Lectr.

Theology, v. also Hebrew and Bib. Hist. and Lit.

Special Lecturers

Davies, Rev. Prof. W. T. Pennar, B.A., B.Litt, Ph.D. (Church Hist.).
North, Rev. Prof. C. R., M.A., D.Lit. Lond., Hon. D.D. Aberd. (Old Testament and Semitics).
Ap-Thomas, D. R., M.A., B.D. (Old Test. and Semitics).
Lewis, Prof. Hywel D., M.A., B.Litt. Oxon. (Theism and Phil. of Relig.).
Bowyer, Rev. Principal Gwilym, 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. Ellis, M.A., B.D. (Holy Scriptures)
Charles, Rev. H. J., M.A. (New Test).
Jenkins, Prof. R. T., M.A., D.Litt , F.S.A. (Church Hist).

Welsh

Parry, T., M.A. Prof.
Williams, Sir Ifor, M.A., D Litt , F.B.A., F.S A. Prof. Emeritus.
Williams, J. E. Caerwyn, M.A., B.D. Lectr.
Roberts, Enid P., M.A. Lectr.
Rees, B., M.A. Lectr.

Zoology

Brambell, F. W. Rogers, B.A., Ph.D. Dub., D.Sc. Lond., F.R S. Prof.
Jackson, L. H., B.Sc. Lond Sr. Lectr.
Reynoldson, T. B., Ph.D. Leeds Lectr.
Henderson, Megan, B.Sc. Lectr.
Jones, C. Burdon, B Sc. Lectr.
Price, Myfanwy, B.Sc. Asst. Lectr.
Hemmings, W. A., B.A. Oxon. Research Asst.

Agriculture

Roberts, E. J., M.A. Camb., M.Sc. Prof.
Davies, G. M., B.Sc. Lectr.
Williams, G. L., B.Sc. Lectr.

Agric. Botany

Roberts, R. Alun, B.Sc., Ph.D. Prof

Parry, D. W., M.Sc. Lectr.
Mence, M. J., B.A. Camb. Asst. Lectr.
Bradshaw, A., B.A. Camb. Asst. Lectr.
Whitehead, T., M.Sc., Ph D. Hon. Lectr.

Agric. Chemistry

Robinson, G. W., C.B.E., M.A., Sc.D. Camb., F.R.S. Prof.
Evans, R. A., M.Sc. Lectr.
Davies, R. I., M Sc. Liv. Lectr.
Smithson, F., D.Sc. Lond., F.G.S Lectr.
Shaw, K., B.Sc. Brist. Res. Asst.

Agric. Zoology

Hobart, J., B.Sc. Lond. Lectr.
Sanderson, Miss Y., B Sc. Asst. Lectr.
Jacob, F. H., M.Sc. Hon. Lectr.

Marine Biology

..... Director.
Jones, E. W. K., D.Phil. Oxon., B.Sc. Lectr.
Spencer, C. P., B.Sc., Ph.D. Leeds Asst. Lectr.

Ballard Mathews Lecturer

1948–49—Price, Prof. H. H., M.A.
Subject — *The Materialistic Conception of Human Personality.*

Rowland Hughes Art Lecturer

1948–49—Steegman, John.
Subject—*British Painting of The 18th Century; British Architecture of The 18th Century.*

Kennedy Orton Lecturer

1948–49—Yonge, Prof. C M., F.R.S.
Subject—*Life on a Sandy Shore.*

Theology Lecturers

1948–49—Baillie, Prof. D. M., D.D.
Subject—*The Kingdom of God and the Christian Hope.*
MacKinnon, D. M., M.A.
Subject—*Argument of Faith.*

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.

Many other members of the Staff give single courses or combine in giving a series.

GENERAL INFORMATION

This College, constituted by Royal Charter in 1885, was made a constituent College of the University in 1893.

Libraries. General, 150,000 vols. (Theology a strong feature). Welsh, 50,000, 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. Dairy.

Special facilities are offered for research in Welsh Lang, and Lit., Political, Social, Econ., and Religious Hist. of Wales, and allied subjects.

Courses. B.A. degree courses include among others a "special scheme of study based on the idea of citizenship." There are courses in Theology for

B.D. degree, in Music for B.Mus. degree, and full courses for the B.Sc. in Agric. and Rural Economy, Forestry, Electrical Engineering, as well as in Pure Sc. College *Diploma* courses in Theology. Other courses: First yr. of Med. study; 1st yr. Veterinary Science; 1st yr. of B. Pharmacy course; 1st yr. of B. Architecture; 1 yr. postgraduate course for Teachers.

FEES. Registration, 1 g. per session. Tuition, per session: Arts, £30; Science, £35; Medicine, 1st yr. (including lab.), £35; Postgraduate courses, non-lab., £10; with lab., £20; Farm Practical Instruction, £5 (or 2 gs. a term). College societies (compulsory), £3.

SCHOLARSHIPS, ETC., FOR GRADUATES. Several College awards ranging in value from £25 to £100, open to students of the College. Loan fund (£458) for helping poor students to complete courses; also University Studentships of £250 and Fellowships of £350. *See also under* Univ.

RESIDENCE. Neuadd Reichel (Warden: Rev. D. W Gundry, M.Th.) provides accommodation for 160 men (fee, £90 p.a.) and University Hall with its annexes for 100 women (fee, £85 p.a.). The Warden of Women Students is also Warden of University Hall. Total cost of living in lodgings and tuition in Bangor from £130 to £140 p.a.

WARDEN OF WOMEN STUDENTS. Miss M. T. Martin, Ph.D.

UNIVERSITY EXTENSION, ETC. Local lectures in Literature, Econ, and Agric.; small lending libraries; Tutorial and Preparatory Classes in six counties.

PUBLICATIONS. *Calendar* (Oct.), 2s. 6d. (temporarily discontinued since 1939); *College Magazine*, one issue per term, 1s.; Prospectus free.

THE YEAR 1948–49

UNIVERSITY EXTENSION. 27 Tutorial Classes, 27 Univ. Sessional Courses, and 5 Terminal Classes with 966 students (350 women), chiefly in Philos., Literature, Econ., Soc. and Polit. Studies, Music and Drama. Bangor Summer School, under the auspices of a Cttee. representing Joint Tutorial Classes of Univ. Coll. of North Wales and Univ. of Manchester, was at Neuadd Reichel in July and Aug. 1949, for 36th successive year.

RETIREMENTS. Prof. D. Thoday (Bot.); W. McLean (Agric. Chem.); Myfanwy Thomas (Educn.).

RESIGNATIONS. F. Brown (Chem.), on election to a Fellowship at Chalk River, Ontario; R. Elfyn Hughes (Agric. Bot.), on appt. as Lectr. in the School of Agric., Cambridge; D. M. Jones (Classics), on appt. to a Readership in the Univ. of London; D. R. Llewelyn (Chem.), on election to a Res. Fellowship in the Univ. of London; J. Tomkins (Asst. Registrar), on appt. to Messrs. Unilever.

DEATH. Madeleine E. Lees (Classics).

STUDENTS. Total: 960; full-time: 937; pt.-time: 23; the total includes 230 women and 29 postgraduates.

DEGREES. B.D., 2; B.A., 97; M.A., 5; B.Sc., 98; M.Sc., 1; Ph.D., 2.

UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE, CARDIFF

Founded 1883

PRESIDENT—The Right Hon. VISCOUNT KEMSLEY.
TREASURER—L. DAVIES LEWIS.
PRINCIPAL—ANTHONY STEEL, O.B.E., M.A. Oxon. and Camb.
REGISTRAR—ELWYN R. EVANS, M.A. Oxon.
LIBRARIAN—S. O. MOFFET, M.A. Manc.

Telegrams: Coleg, Cardiff.
Telephone: Cardiff 9160.

TEACHING STAFF

Anatomy

West, C. McL., M.C., Sc.D, M.B., B.Ch., B A.O. Dub. Prof.
Hughes, H., B.A., M.B., B.Ch. Liv. Sr. Lectr.
Jacoby, F., M.D. Berlin, Ph.D. Birm. (Histol.) Sr. Lectr.
Martin, B., B.Sc., M.B., B.Ch. (Histol.) Lectr.
Irvine, G., M.B., B.Ch. Edin. Lectr.
Mitchinson, A. G. H., M.B., Ch.B. Brist. Lectr.
Moffat, D. B. Lectr.

Archæology

Nash-Williams, V.E, M.A., D.Litt. (Keeper of Dept. of A. in Nat. Museum) Lectr.

Architecture

John, L., M.A., B.Arch. Liv. Lectr.

Botany

McLean, R. C., M.A. Camb., D.Sc. Lond., F.L.S. Prof.
Cook, W. R. Ivimey, B.Sc., Ph.D. Lond., F.L.S. Sr. Lectr.
Percival, Mary S., B.Sc. Edin. Lectr.
Sharman, B. C., Ph.D. Leeds Lectr.
Benson-Evans, Kathryn, M.Sc. Lectr.
Arney, S. E., B.A. Oxon. (Plant Physiol.) Lectr.
Richards, M., B.Sc. Camb. Demr.
Hyde, H. A., M.A. Camb., F.L.S. (Econ. Bot.) Hon. Lectr. and Keeper of Bot. in Nat. Museum.
Hughes, Annie E., B.Sc. Asst. Lectr.

Chemistry

Jones, W. J., D.Sc. Manc., M.Sc., F.R.I.C., F.Inst.P. Prof.
Bowden, S. T, D.Sc. Leiden, M.Sc. Michigan, D.Sc., F.R.I.C. Sr. Lectr.
Bassett, H. Ll., M.A. Camb., B.Sc. Lond. (Organic C.) Sr. Lectr.
Cullinane, N. M., D.Sc. N.U.I., M.Sc., F.R.I.C. Lectr.
Chard, S. J. H., M.Sc., F.R.I.C. Lectr.
Purnell, J. H., B.Sc. Lectr.
Thorne, N., M.Sc. Lectr.

Classics

Richardson, L. J. D., M.A. Wales and Dub. (Greek) Prof.

Austin, R. G , M.A. Oxon. (Latin) Prof.
Cadoux, T. J., M.A. Oxon. Lectr.
Tetstall, R. G., M.A. Camb. Lectr.
White, Sheila, B.A. Liv. Lectr.
Simon, J. H., M.A. Oxon. Lectr.
Poyser, G. H., M.A. Oxon. Asst. Lectr.

Economics and Soc. Science

Thomas, Brinley, Ph D. Lond., M.A. Prof.
Parris, S. C., B.Sc. (Econ.) Lond. Lectr.
Birmingham, W. B , B Sc (Econ.) Lond. Lectr
Lanner, J., B.Sc. (Econ.) Lond. Asst. Lectr.
Kinsman, K. L., B.A., B.Sc. Lond. (Statistics) Lectr.
Drinkwater, R. W., M.A Camb (Soc. Sci.) Organizing Tutor.
Crichton, Anne, B.A. Liv. (Soc. Sci.) Lectr.
Rees, Mrs. Ruth, B.A. (Admin.) Manc. (Soc. Sci.) Tutor.
Magee, C. C., B.Com. Lond. (Accountancy) Lectr.
Gibbs, J. M., M.A. Camb. and Lond. (Psychol.) Lectr.

Education

Wheeler, Olive A., D.B.E., D.Sc. Lond., M.Sc., F.B.Ps.S. Prof.

Lecturers

Amos, Rev. A. D., B Sc. Lond., M.A. (and Master of Method).
Morris, Eliz. M. D., M.A. Lond., B.A.
Mulrenan, B. W., B.A. Sheff.
Simpson, E. B., M.A., B.Sc. Lond.
Griffith, Mignon B.
Greenland, Gwenda M., B.Sc.
Evans, L. Wynne, M.Ed. Durh., M.A.
Bull, Beryl M., B.A.
Williams, Ethel M.
Thomas, H., B.Mus.
Mathias, W. A., M.A.

Engineering

Gurney, H. C. H., M.A. Camb., D.Sc Lond., F.I.P. Prof.
Foster, P. F., B.Sc. Lond., M.Sc. Sr. Lectr.
Sheen, F. V., B.Sc. Lectr.
Bannister, J. L., B Sc. Tech. Manc., M.Sc. Lectr.
Bray, R O , B Sc. Lond. Lectr.
Davies, W., B.Sc. Lectr.
Trigg, C., B Sc. Lectr.
Powell, W. H., B.Sc. Lectr.
Thomas, S., M.Sc. (Heat Engines) Sp. Lectr.

English Lang. and Lit.

Llewellyn, E. C., M A., B.Litt. Oxon., B.A. Prof.
Bethell, S. L., M.A. Camb., M.A. Sr Lectr.
Merchant, Rev. W. Moelwyn, M.A. Sr. Lectr.
Thomas, R. G., M A., Ph.D. Sr. Lectr.
Williams, Kathleen M., M.A. Oxon. Lectr.
Pitt, Valerie, B.A. Oxon. Asst. Lectr.

French and Romance Philology

Thomas, J. Heywood, M.A., D.U.P. Prof.
Urwin, K , M.A. Sheff., D. de l'U. Paris (French) Sr. Lectr.
Morse, B. J., M.A. (Italian) Sr. Lectr.
Butler, P. F., L. ès L. Lausanne Lectr.
..... Lectr.
Spencer, R. H., B.A. Leeds Asst. Lectr.
Morris, Thelma, B.A., D. de l'U. Paris Asst. Lectr.

Geology

Anderson, J. G. C., M.A., D.Sc., Ph.D. Glas. Prof.

Baker, J. W., B.Sc. Birm. Lectr.
Anderson, M. M., B.Sc. Lectr.
Blundell, R. K., B.Sc. Lectr.

German

Williams, T. P., M.A.
Indep. Lect. and Hd. of Dept.
Haas, V., M.A. Lectr.
Jones, Mrs. V. Isabel, M.A. Edin. Lectr.

Histology, v Anat.

History

..... Prof.
Rees, W., D.Sc. Lond., M.A.
Acting Hd. of Dept.
Whale, Gwendolyn B. M., B.Litt. Oxon., B.A. Sr. Lectr.
Marshall, Dorothy, Ph D. Camb. (Econ. and Soc. Hist.) Lectr.
Powell, I. B., B.A. Lectr.
Roots, I. A., M.A. Oxon. Lectr.
Loyn, H. R., M.A. Lectr.
Edwards, E. W., M.A. Lectr.

History of Wales

Rees, Wm , D.Sc. Lond., M.A. Prof.
Pierce, G. O., B.A. Asst. Lectr.

Industrial Relations

Beacham, A., M.A. Liv., Ph.D. Belf., B.A. Prof.
Ross, N. S., M.A., Ph.D. Durh. Lectr.

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

..... Prof.
Morris, Rosa M., Ph.D. Camb., B.Sc. Sr. Lectr.
Pope, A. H., M.Sc. Lond. Lectr.
Rowland, E. N., M.A., Ph.D. Camb. Lectr.
Stephens, Kathleen M., M.Sc. Lond. Lectr.
Morley, Hilda, M.A. Lond. Lectr.
Taylor, D. G., M.A. Camb., M.A., D.Sc. Glas. Temp. Lectr.

Metallurgy and Fuel Technology

Jones, W. R. D., D.Sc. Prof.
Evans, T., B.Sc.
(Fuel Technol.) Sr. Lectr.
Carpenter, D. L., B.Sc.
(Fuel Technol.) Lectr.
Garwood, R. D., B Sc. Lectr.
Hopkins, A. D., M.Sc. Lectr.
Wilson, A. J. C., M.Sc. Dalhousie, Ph.D. Camb. and Mass.
(X-ray Metallography) Lectr.

Mining

Sinclair, J., M Eng., Ph.D. Sheff. Prof.
Probert, L., B Sc. Lectr.
Killeen, J. F., B.Sc. Lectr.
Powell, W. H., B.Sc. Lectr.
Rees, D. T. A., B.Sc. Lectr.

Music

Morgan, J., D.Mus., F.R.C.O. Prof.
Piggott, P. Lectr.
Bruce, I. M., M.A., B.Mus. Edin. Lectr.
Collier, D. G., M.Mus. Lectr.
Bruce, Robert, D.F.C., B.Mus. Edin. Lectr.

Teachers

Kelsey, F. (Singing).
Bossert, R. (Violin).
Mutter, G. N. (Viola).
Isaac, G. (Cello).
Popperwell, S., B.A. Camb. (Violinist).
Rendell, E. J., D.Mus. Durh., F.R.C.O. (Organ and Piano).
and teachers of all orchestral instruments.

Philosophy [Prof.
de Selincourt, O., M.A. Oxon.
Evans, J. Ll., M.A., D.Phil. Oxon. Lectr.

Brunton, J. A., M.A. Oxon. Asst. Lectr.

Physics

Dunbar, R. T., M.A , Ph D. Edin., F.Inst.P. Prof.
Wilson, A. J. C., M.Sc. Dalhousie, Ph.D. Camb. and Mass. Sr. Lectr.
Young, C. L., B.Sc. Lectr.
Harker, G. F. H., M.A. Camb. Lectr.
Rowland, E. N., M.A., Ph.D. Camb. Lectr.
Wood, R. G., M.Sc. Manc Hon. Lectr.
Hughes, J. W., Ph.D. Lectr.
Rogers, D., Ph.D. Lond. Lectr.
Howells, R. G., B.Sc. Lectr.

Physiology

Peterson, J. M., D Sc. Aberd. Prof.
Pryde, J , B.Sc. St. And., D Sc. Sr. Lectr. (Biochem.) and Lectr. & Demr. (Physiol.).
Jordan, R. C., B.Sc., Ph.D., D.Sc. Lond., D.I.C. 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.) Asst. Lectr.

Semitic Languages

Johnson, A. R., Ph.D. Prof.
Rowlands, Rev. E. R., B.A. Camb , M A. Lectr.
Ryder, Rev. E. T., M.A. Oxon., B.D. Lond. Lectr.

Welsh

Williams, G J., M.A. Prof.
Morgan, T. J., M.A. Sr. Lectr.
Jarman, A. O. H., M.A. Lectr.
Pierce, G. O., B.A. Asst. Lectr.

Zoology & Comparative Anatomy

Brough, James, D.Sc. Manc., F.R.S.Ed. Prof.
Sheppard, Edith M., D.Sc. Sr. Lectr.
Jefferson, G. T., B.Sc. Lond. (Entomology) Lectr.
Evans, W. A. L., B.Sc. Birm. Lectr.
Willmott, Sheila M., Ph D. Lond. Asst. Lectr.

University Extension

Organizing Tutors

D. E Evans, M A. ; Iwan Morgan, M.A. ; E. R. Lewis, M.A. ; V. H. Jones, LL.B. Lond., B.A. ; M. R. Hausheer, B.A. Joint Sec.—Elwyn R. Evans, M.A. Oxon.

40 Tutors.

ASSOCIATED INSTITUTIONS

TECHNICAL COLLEGE, CARDIFF. Principal, A. Harvey, Ph.D., B.Sc., F.Inst.P.

GLAMORGAN TECHNICAL COLLEGE, TREFOREST. Principal, Robert James.

Both Institutions join with the University College in granting Diplomas, v. *infra* : College Diplomas.

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 *Yearbook*, 1929.

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.

Medical students pursue their preliminary medical studies at the Coll. and their clinical studies at the Welsh National School.

LIBRARY: Drapers' Company's, 110,000 vols. MUSEUMS: Anat., Zool. The National Museum of Wales (Art, Archæol., Zool., Geol., Bot.) is located in an adjacent building. LABORATORIES: Physical Research, with liquid-air plant, etc.; Engineering (including 100-ton testing machine); and usual Science and Medical teaching and Research labs.

FACULTIES. Arts, Science, Education, Theology. *Departments*: Music, Applied Science and Technology, Teachers' Training; Law.

COLLEGE DIPLOMAS. Engin., Metalliferous Mining, Metallurgy; Lang., Lit. and Hist. of Wales; Econ. and allied subjects; Music; Social Science. 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 awarded after a 1-yr. course. A joint Diploma in Coal Mining is granted by the Coll. and the Glamorgan Technical College, 4-yrs. residence being required. After a 4-yrs. course students who desire to specialize in certain subjects can take a post-diploma course. A Joint Diploma in Mech. Engin. or Marine Engin., or Architecture or Commerce, is granted by this Coll. and the Cardiff Tech. Coll. after a 3-yrs. course; a Diploma in Chem. Engin. after completion of a post-diploma course extending over at least 1 yr.; and a Joint Diploma in Commerce after completion of a postgraduate course extending over 1 yr., under approved regulations.

By arrangement with the Home Office, the Coll. offers a Certif. in Child Service awarded after a 1-yr. course.

SCHOLARSHIPS (Prospectus obtainable from the Registrar). *See also under* Univ.

FEES. Annual Composition for tuition—Arts, £30; Science, £35; Music, £30: Applied Science, £35 (Non-associated Counties, £35); Medical (first 3 yrs.), £35 to £45; Research, £10 to £20; Registration, £1: 1s. p.a.

RESIDENCE. 1 Hostel for women: Aberdare Hall—Warden: Miss E. Olwen Parry, M.A.. Sessional Fees, £80 to £100. Board and Lodging in the City can be obtained from £1: 15s. per week.

PHYSICAL WELFARE OF STUDENTS. There is a Lecturer in Physical Training for men and an Assistant Lecturer for women, who act as College Advisers in Physical Training and Games.

PUBLICATIONS. *Calendar* (Feb.); *A Short History of the College*, 2s. 6d.; *Students' Handbook*; *Cap and Gown. Information regarding Courses and Careers open to Students of Science.*

THE YEAR 1948–49

BENEFACTIONS. For Special Purposes, Scholps., Prizes, etc., £4716: 13: 5.

EXTRA-MURAL WORK. 91 Classes and Courses were held during the Session, distributed as follows: Univ. Tutorial Classes, 26; Univ. Sessional Classes, 62; Short Courses of 6 meetings' duration, 3. Total number of students in attendance during the Session, 1433.

RESIGNATIONS. Maisie P. Birmingham (*née* Jukes), Tutor (Soc. Sc.), on marriage; W. D. Evans, Sr. Lectr. (Geol.), on appt. as Prof. of Geol. at Univ. of Nottingham; Catherine J. Heath (*née* Hirsch), Lectr. (English), on marriage; W. R. Jones, Lectr. (Educn.), on appt. as Lectr. in Educn. at Univ. of N. Wales, Bangor; R. J. Legg, Lectr. (Mining); Louis S. Thomas, Registrar (ill-health).

RETIREMENTS. Principal Sir Frederick Rees; Prof. A. Hubert Cox (Geol.).

STUDENTS. Total: 1829; full-time: 1758; pt.-time: 71; the total includes 458 women and 45 postgraduates.

DEGREES. B.D., 1; B.A., 156; M.A., 7; B.Sc., 240; M.Sc., 9; Ph.D., 7; B.Mus., 3; M.B., B.Ch., 39; B.Pharm., 9; M.Pharm., 1; B.Arch., 3.

UNIVERSITY COLLEGE OF SWANSEA

Founded 1920

PRESIDENT—SIR GEORGE BARSTOW, K.C.B., LL.D.
PRINCIPAL—J. S. FULTON, M.A. Oxon.
REGISTRAR—EDWIN DREW, M.A.
LIBRARIAN—OLIVE M. BUSBY, M.A. Lond.

Telephone : Swansea 56805.

TEACHING STAFF

Biology

Mockeridge, Florence A., D.Sc. Lond , F.L.S. (Bot.) Prof.
Little, Percy A., B Sc , Ph.D (Zool) Lectr
Bance, Helen M., B.Sc., Ph.D. St. And. (Bot.) Asst. Lectr.

Chemistry

Shoppee, C. W., D.Phil. Basle, D.Sc., Ph.D. Lond., F.R I.C. Prof.
Ayling, E. E., M.Sc Lond., F.R.I.C. Lectr.
Davies, Rees H., M.Sc. Lectr.
Sykes, K. W., D.Phil. Oxon. Lectr.
Gowenlock, B. G., Ph.D. Manc. Asst. Lectr.
Lewis, D. G., Ph.D. Lond. Asst. Lectr.

Classics

Farrington, B., B.A. Dub., M.A. N.U I. Prof.
Hill, H., M.A. Sheff. Sr. Lectr.
Moorhouse, A. C., M.A. Camb. Sr. Lectr.
Smyth, W. R., B.A. Dub. Lectr.
Griffiths, J. Gwyn, D.Phil. Oxon., M.A. Liv., B.A. Lectr.

Economics

Morgan, E. V., M.A. Camb. Prof.
Bell, I. C., M.A. Lectr.
Roberts, R. O., M.A. Lectr.
Rees, G. L., B.A. Lectr.
Cleary, E. J., B.A. Manc. Asst. Lectr.

Education

Jones, E. J., M.A., D.Litt. Prof.
Stephens, D. J., M.Sc Lectr.
Jones, T. G. Jeffreys, M.Sc. Lectr.
Owen, Annie, M.A., D. de l'U. Paris Lectr.
Dale, R. R , M.A. Liv., M.Ed. Leeds Lectr.
Griffiths, M. Auriol, B.A. Asst. Lectr.

Engineering

Kastner, L. J., M.A. Camb. Prof.
Isaacs, R. G., M Sc. Brist , B.Sc. Lond. (Elec E.) Asst. Prof.
Fordham, A A., B.Sc , Ph.D. Lond. (Civ. E.) Sr. Lectr.
Caswell, J. S., M.Sc. (Mech. E.) Sr. Lectr.
Evans, B. R., B.Sc. Durh. Lectr.
Morton, A. J., B.Sc. Manc. Asst. Lectr.
Ratcliff, G., B.Sc. Asst. Lectr.
Rockey, K. C., M.Sc. Lond. Lectr.
Williams, T. J., M.Sc. Birm., B.Sc. Lond. Lectr.

English

Thomas, W. D., M.A. Oxon., B.A. Prof.
Westcott, Isabel M., B.A. Brist., B.Litt. Oxon. Lectr.

Bartley, J. O., M.A. Belf. Lectr.
Sims, D. L., B.A. Oxon. Lectr.
Amis, K. W., M.A. Oxon. Asst. Lectr.

French

Knight, R. C., M.A. Oxon., D. ès L. Paris Prof.
Rees, Garnet, M.A., D. de l'U. Paris, O.A. Sr. Lectr.
Pool, E. Millicent, M.A. Liv., O.A. Lectr.

Geology and Geography

Leitch, D., D.Sc. Glas., F.G.S., F.R.S.Ed. Prof.
Oliver, J., B.A. Brist. (Geog.) Lectr.
Simpson, Brian, M.Sc. Liv. (Geol.), F.G.S. Lectr.
Owen, T. R., M.Sc., F.G.S. (Geol.) Lectr.
Groom, Gillian E., B.Sc. Birm., F.G.S. (Geog.) Asst. Lectr.
Tracy, P. J., B.A. Camb. (Geol.), Asst. Lectr.
Walmsley, V. G., B.Sc. Manc., F.G.S. (Geol.).

German

Heller, E., Ph.D. Camb. Ind. Lectr. and Hd. of Dept.
Marleyn, R., M.A. Oxon., Ph.D. Göttingen Lectr.
Taylor, R. J., B.A. Lond. Asst. Lectr.

History

Quinn, D. B., B.A. Belf., Ph.D. Lond. Prof.
Gibbs, Marion E., B.A., B.Litt. Oxon. Sr. Lectr.
Williams, Glanmor, M.A. Lectr.
Masterman, N. C., B.A. Camb. Lectr.
Minchinton, W., B.Sc. Lond. Research Lectr. in Social and Economic History.

Mathematics

Wilson, R., M.A. Oxon. Prof.
Eggleston, H. G., M.A. Camb. Sr. Lectr.
Godwin, H. J., M.A. Camb. Lectr.
Foulkes, H. O., M.Sc. Lectr.
Manwell, A. R., B.Sc. Lond. Lectr.
Brennan, J. G., B.Sc. Asst. Lectr.
Evans, G. W., B.A. Camb. Asst. Lectr.

Metallurgy

O'Neill, H., M Met Sheff., D Sc. Manc., F.I.M. Prof.
Higgins, R., Ph.D. Glas., F.I.M. Asst. Prof.
Griffiths, Roosevelt, M.Sc., F.I.M. Lectr.
Hopkins, D. W , M.Sc. Lectr.
Parker, R. H., B.Sc. Manc. Asst. Lectr.

Philosophy

Heath, A. E., M.A. Camb. Prof.
Britton, K., M.A. Camb., A M. Harv. Sr. Lectr.
Rhees, Rush, M.A. Edin. Lectr.

Physics

Jones, F. Llewellyn, M.A., D.Phil. Oxon., F.Inst.P. Prof.
Davidson, P. M., B.A. Camb., Ph.D. Lond. Sr. Lectr.
Beynon, W. J. G., B.Sc., Ph.D. Sr. Lectr.
Wright, L., M.Sc. Sheff. Lectr.
Griffin, L. R , B Sc. Lond. Lectr.
Brown, G. M., B.A. Camb. Asst. Lectr.

Welsh

Lewis, Henry, M.A., D.Litt. Prof.
Williams, Stephen J., M.A., D.Litt. Sr. Lectr.
Bevan, T. H., M.A. Lectr.
Evans, D. Simon, M.A., B.D. Asst. Lectr.

Social Science

Jones, R. H., B.Sc. (Econ.) Lond., M.A. Liv. Lectr.

Social Studies

Brennan, T., M.A. Camb. Dir. of Res.
Cooney, E. W., B.Sc. Lond. Res. Asst.
Gould, S. J., B.A. Oxon. Asst. Lectr. in Politics.

Physical Education

Jones, Vernon, B A
Williams-Jones, Katherine M.

University Extension

David, Illtyd, M.A., LL.B. Camb., LL.D. Dub., M.A. Sr. Staff Tutor.
Griffiths, T. Hughes, M.A., Dr.Pol Sc. Giessen 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., B.A. Staff Tutor.

GENERAL INFORMATION

Incorporated by Royal Charter, dated Jan. 21, 1920, the College was made a constituent College of the Univ. of Wales by a Supplemental Charter to the Univ. on Aug. 13, 1920. The administrative offices, assembly hall, common rooms, and refectory, in addition to some of the Science departments, are accommodated in a mansion in Singleton Park, presented, together with 19 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 Science buildings. Extensive laboratories have been erected in the Park, on a site adjacent to the main College building, for the departments of Metallurgy, Engineering, Chemistry and Physics, and buildings to accommodate the Arts Departments and the Library.

Situated in the heart of a district possessing a long and interesting metallurgical history and presenting an unrivalled variety of present-day metallurgical practice, the College offers exceptional advantages for preparation for professional careers in the metallurgical industry. The manufacturers of the district, who contribute largely to the support of the College, give the staff and students ample opportunities of keeping in close practical touch with manufacturing processes in the works. To ensure the closest possible co-operation with the local industries, Advisory Committees in Metallurgy and Engineering have been set up. All the College laboratories (Physics, Chem., Geol., Biol., Metall., Engin.) are well equipped and include fine experimental plant for instruction and research in combustion engineering.

FACULTIES. Science and Arts. Departments: Metallurgy and Engineering; training of Teachers (men and women) for Elem. and Sec. Schools; training in Social Science; and training for Youth Leadership and Organization.

COURSES FOR DEGREES, ETC. Courses for the degrees of the Univ. in Pure and Applied Science and Arts (3 yrs.); complete Prelim. Science Course for medical students and classes in Law for articled clerks. Engineering 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, administration, and managerial side of industrial undertakings.

COLLEGE DIPLOMAS. Social Science; Youth Leadership and Organization; Mathematical Physics; Mathematical Statistics and Computational Analysis.

FEES. For annual tuition in Pure or Applied Science, £35; Arts, £30; for Research, from £10 to £20 p.a.; Registration, £1 : 1s. p.a.

RESIDENCE. Beck Hall of Residence for women students (Warden: Miss E. Griffiths, M.A.), fee, £85 p.a. A list of Registered Lodgings is kept by the Registrar.

THE YEAR 1948–49

BENEFACTIONS. Donations and annual subscriptions amounting to £1890: 7: 3. The South Wales Siemens Steel Assocn. and the Welsh Plate and Sheet Manufacturers' Assocn. have each covenanted to subscribe to the Coll. £500 p.a. for 7 yrs.

NEW BUILDINGS. A New Arts Bldg. and a new Refectory Bldg. were completed.

DEVELOPMENTS. A scheme of Fresher Essays was instituted under which degree students in their first yr. are required to write, and read to tutors, a number of essays on subjects of general interest. Arrangements were made for the institution from Oct. 1949 of a course of weekly lectures on subjects of general interest to be attended by all new students. Arrangements were made for each new student to be assigned to a member of the staff for advice and help in overcoming academic, personal or other difficulties.

EXTRA-MURAL WORK. 30 Univ. Tutorial Classes, 21 Sessional Classes, and 10 short courses with 1063 students. A summer school was held during 2 weeks.

RETIREMENT. Dr. L. E. Hinkel (Chem.).

RESIGNATIONS. Dr. B. Blackstone (Engl.), on appt. to the Univ. of Istanbul; Dr. G. L. Clark (Maths.), on appt. to the Univ. of London; G. L. Evans (Metall.), on appt. to the Univ. of London; D. C. Marsh (Soc. Sci.), on appt. to Victoria Univ. Coll., Wellington, N.Z.; J. Vaughan (Chem.), on appt. to Canterbury Univ. Coll., N.Z.; Dr. J. Wilkinson (Bot.), on appt. to Univ. Coll., Exeter.

STUDENTS. Total: 1012; full-time: 1002; pt.-time: 10; the total includes 187 women and 33 postgraduates.

DEGREES. B.A., 62; M.A., 3; B.Sc., 116; M.Sc., 8; Ph.D., 2; D.Sc., 1.

THE WELSH NATIONAL SCHOOL OF MEDICINE, CARDIFF

Incorporated by Royal Charter 1931

PRESIDENT—The Right Hon. LORD ABERDARE.

PROVOST—R. M. F. PICKEN, C.B.E., M.B., Ch.B., B.Sc. Glas., D.P.H. Camb.

VICE-PROVOST—A. G. WATKINS, M.D. Lond., B.Sc., F.R.C.P.

HON. TREASURER—Sir W. REARDON SMITH, Bt.

SECRETARY—F. DODSWORTH, F.C.I.S.

ASSISTANT SECRETARY—E. K. DOWNING.

ASSISTANT LIBRARIAN—ELUNED L. JONES.

Telephone : Cardiff 3280.

TEACHING STAFF

(For subjects of first 3 yrs.—Anat , etc , v. Univ. Coll., Cardiff)

Forensic Medicine and Toxicology

Heppleston, A. G., M.B., Ch.B. Manc. Sr. Lectr.

Hygiene and Public Health

Grundy, F., M.D., Ch.B. Leeds, D.P.H , D P M. (Preventive Med) Mansel Talbot Prof.

Wilson, J. Greenwood, M.D. Lond., F R C.P , D.P H. Lectr.

Phillips, W. Powell, D.P.H. (Vaccination and Practice of Immunization) Instr.

Lewis-Faning, E., B.Sc., Ph.D. Lond. Statistician.

Infectious Diseases

Harries, G. Emrys, M.B., B.S. Lond., D.P.H. Lectr.

Materia Medica and Pharmacology

Heathcote, R St. A., M.A., D.M., B.Ch., B.Sc. Oxon., F.R.C.P. Prof.

Graham, J. D. P., B.Sc., M.D., F.R.F.P.S. Glas. Sr. Lectr.

James, Dinah M., M.Pharm. Lectr.

West, Lucy M., M.B., B.Ch. Dub. Demr.

Evans, Gertrude G., B.Sc., M.B., B.Ch. Demr.

Rendle-Short, Angel M., M.B., B.Ch. Belf. Demr.

Griffiths, E. T. (Pharmacy) Asst.

Medicine (Med. Unit)

Scarborough, H., M.B., Ch.B., Ph.D. Edin., F.R.C.S.Ed., F.R.C.P.Ed. Prof. and Dir.

Anderson, W. F., M.D., Ch.B., F.R.F.P.S. Glas. Sr. Lectr.

Evans, M., B.Sc., M.B., B.Ch. Jr. Asst. and Lectr.

Ingham, J., F.R.I.C. Biochemist.

Obstetrics and Gynæcology

Strachan, G. I., M.D. Glas., F.R.C.P.Lond., F.R.C.S. Eng. and Ed., F.R.C.O.G. Prof.

Maliphant, R. G., M.D. Lond., F.R.C.S., F.R.C.O.G. Lectr.

Watkins, A. G., B.Sc., M.D. Lond., F.R.C.P. (also Diseases of Children) Pædiatrician.

Assistants

Evans, M. D. Arwyn, M.D., F.R.C.S.Ed.
Fisher, H. J., B.Sc., M.B., B.Ch. Asst. Lectr.
Webster, Helena J , M B., B.Ch., D.P.H.
Jones, John, B.Sc., M.B., B.Ch.

Pathology and Bacteriology

Gough, Jethro, M.D., B.Sc. Prof.
Heppleston, A. G., M.B., Ch.B. Manc. (Path.) Sr. Lectr.
Magarey, F. R., M.D. Adel. (Path.) Sr. Lectr.
Vaughan, A. C. T., B.Sc., M.B., Ch.B. Liv. (Clin. Bact.) Sr. Lectr.
Thomson, Scott, M.D. Edin., D.P.H. (Bact) Lectr.
Marks, J., M.B., B S. Lond. Lectr.
Richards, D. B., B.Sc., M.B , B.Ch. Lectr.
Keyser, J. W., M.Sc. Lond. (Bio-Chemist).
Withey, J. L., M.B., B.S. Lond. (Clin. Path.) Lectr.
White, L. L. R., M.B., B.Ch. Asst. Lectr.
Williams, O. G., B.Sc., M.B., B.S. Asst. Lectr.
Leopold, J. G., B.Sc., M.B., B.Ch. Asst. Lectr.

Assistant Clinical Pathologists

Beasley, W. H., M.B., B.Ch., B.Sc.
Dunscombe, J. L., M.B., Ch.B. Brist.
Jenkins, W. J., M.B., B.Ch.
Parker, R. A., M.B., B.S. Lond.
Powell, G. D., B.Sc., M.B., B.Ch.
Seal, R. M. E., M.B., B.Ch.

Psychological Medicine

Hennelly, T. J., M.D. (Psychol. Med.), B.Ch., B.A.O., D.P.M. N.U.I. Lectr.
Richter, D., Ph.D., M.A., B.Sc., F.C.S. Hon. Lectr.

Surgery (Surg. Unit)

Rogers, Lambert, V.R.D., M.Sc., F.R.C.S. Eng and Ed., F.R.A.C.S , F.A.C.S. Prof. and Director.
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., B.Ch., F.R.C.S. Jr. Asst. and Lectr.
Parker, A. O., M.D., C.M. (Orthopædics) Lectr.

Tuberculosis

Heaf, F. R. G., M.A., M.D. Camb., F.R.C.P. David Davies Prof.
Tattersall, Norman, M D., B S. Lectr.
Graham, S. H., M D , Ch B. Edin , D.P.H., T.D.D. Lectr.

Recognized Teachers

Davies, William.
Jones, V. Emrys, B Sc., M.B , B.S. Lond., M B , Ch.B Liv.
Ross, H. A., M.B , Ch B , B.Sc. Glas., D.P.H. Camb.
Thomas, Dillwyn M. E.

Recognized Clinical Teachers and Part-time Lecturers

Anæsthetics

Mushin, W. W., M.A. Oxon., M.B., B.S. Lond., F.F.A R.C.S., D.A. Director and Lectr.

Recognized Clinical Teachers

Musgrove, A. H., F.F.A.R.C.S., D.A.
Jones, I Rhys, D.A.
Rendell-Baker, L., M.B., B.S.
Roberts, Barbara C., B.Sc., M B., B.Ch., D.A.

Dental Surgery

Murray, A. L., L.D.S.
Smith, J. I , L.D.S.
Brown, G. Morwent A., L D.S.

Dermatology

Hodgson, G. A., M.B.E., M.A., D.M. Oxon. Lectr.

Medicine

Phillips, W., M.D., F.R.C.P.
Howells, Leonard, M.D. Lond., F.R.C.P.
Evans, B., M.D. Lond.
Spillane, J. D., M.D., B.Sc. Wales, F.R.C.P.
Jones, I. G., M.D. Lond., B.Sc.
Williams, D. A., M.Sc., M.D., B.Ch.
Thomas, A. J., B.Sc., M.B., B.Ch., D.P.H.
Beattie, J., M.D. Belf.

Ophthalmology

Thomas, W. J. Tudor, M S. Lond., M.D., D.Sc , F.R.C.S. Lectr.
Parry, R. J., M.B , B.S. Lond , F R C.S Ed.
Gluck, Bernard, M.A., M B , M.Ch. Dub., D.O.M.S., F.R.C S.Ed.

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.

Pædiatrics

Watkins, A G., M.D. Lond , B Sc , F.R.C.P. Lectr.
Bray, P. T., B.Sc., M.B., B.Ch., D.C.H. Hon. Lectr.

Physiotherapy

Lloyd, K. N., M.B., B.S. Lond. Lectr.

Radiology

Hanson, E. H., M.B., B.S. Durh., D.M.R.E. Lectr.

Radiotherapy

Evans, G. C. D., B.Sc., M.B., B.Ch., D.M.R.E. Lectr.

Surgery

Wade, J. O. D., O.B.E., M.S. Lond., F.R.C.S.
Harries, D. J., M.D. Lond., D.Sc., F.R.C.S.
Haycraft, J. B., M.C., M.B., Ch.B. Edin., F.R.C.S.
Ioan-Jones, D., M.B., B.Ch., F.R.C.S.
Lysaght, A. C., F.R.C.S.
Foster, D. B. E., M.B., B.Ch., F.R.C.S.Ed.
Mogg, R. A., M B , B.Ch , F.R C.S.
Evans, Dillwyn, M.B., B.Ch., F.R.C.S.Ed. (Fractures).

Venereal Diseases

Downing, C. C. R., M.A., M D. Camb. Actg. Lectr.
Webster, Helena J., B Sc , M.B., B Ch., D.P.H. Asst. Lectr.
Sheasby, H., M.B., Ch.B. Birm., D.P.H. Camb. Clin. Tutor.

Registrars

Med.—P. H. Denton, M.D. Lond.
Surg.—J. S. H. Wade, M.A., M.B., B.Chir. Camb , F R.C S
Surg.—D. H. Jenkins, B.Sc., M.B., B.Ch., F.R.C.S.
Child Health—F. R. M. Elgood, B.M., B.Ch. Oxon.
Dermatology—Phillip J. B. Thomas.
Orthopædics—J. G. H. James, M.B., B.S. Lond.
Ophthalmology—R. E. Packer, M.B., B Ch., D.O.M S.
Radiotherapy—Vera Jones, M.B., B.Ch.
Neurology—G. R. Davies, M.B., B.Ch.
Oto - Rhino - Laryngology — C. P. Williams, D.L.O.
Diagnostic X-Ray—Gwenllian B. Davies, M.B., B.S., D.M.R.

Student Welfare

Hitchens, R. A. N., B.Sc., M.B., B.Ch., D.P.H. Med. Officer.
Grant, G., M.B., B.S. Lond. Asst. Med. Officer.
McKnight, Edith, M.B., Ch.B. Glas. Asst. Med. Officer.

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. On Feb. 5, 1931, a Charter of Incorporation was granted to the School by H.M. the King in Council.

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.

Every candidate for admission to first-year courses in Physics, Chem., and Biology shall present a certificate showing that he has passed the Matriculation Examn. of the Univ. of Wales, or an examn. recognized by the Univ. of Wales as equivalent thereto.

No candidate will normally be accepted for admission to the Depts. of the 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-year courses, Physics, Chem., Bot., and Zool. This regulation may be relaxed at the discretion of the Joint Academic Committee of the Univ. College, Cardiff, in certain cases where only *one* of the four first-year courses named above is outstanding.

Note.—An approved Second School Certif. may exempt, subject for subject, from the first-year or Intermediate examn. leading to a degree of the University.

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 Univ. of Wales (*see* thereunder).

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 £6 : 6s.; "John Maclean" Prize and Medal; "Willie Seager" Prizes and Medals; "The David Hepburn Medal" and "The Alfred Hughes Medal." *See also under* University.

POSTGRADUATE SCHOLARSHIPS. "Mrs. John Nixon" for Research in Med. and Med. Pathol., annually, £150 for 1 yr. "Lord Merthyr" for res. in Cancer, annually, £200 for 1 yr. "Ewen Maclean" (Obstet. and Gynæc.), £150 for 1 yr., and "Cecil Prosser" (Tuberculosis), £250 for 1 yr., are open to graduates of any approved Univ. or qualified medical practitioner.

REFECTORY AND RESIDENCE. The Refectory and Residence is combined. There is accommodation for about 40 residents.

TERMS. Oct. 3–Dec. 15, 1950; Jan. 9–Mar. 21; April 17–June 29, 1951.

PUBLICATIONS. *Prospectus* and *Regulations* (free).

THE YEAR 1948–49

NEW BUILDINGS. The adaptation of 34 Newport Road, Cardiff, for the Med. School Office was completed. Work on the new General Library in the Inst. of Preventive Med. was almost completed and work on the Inst. of Pathol. is far advanced.

NEW DEPARTMENTS AND POSTS. Prof. R. M. F. Picken was appointed full-time Provost of the School. Proposals for the establishment of a Chair and Dept. of Child Health were approved by the Univ.

OTHER DEVELOPMENTS. Joint negotiations by representatives of the Univ. of Wales, the Board of Governors of the United Cardiff Hospitals, and the School, with the Cardiff Corporation, about the acquisition of land for a new Medical Teaching Centre, are proceeding.

RETIREMENT. Prof. R. M. F. Picken (Mansel Talbot Prof. of Preventive Med.).

RESIGNATIONS. Prof. W. H. Tytler (Tuberculosis), on appt. to the World Health Organization, Geneva; Dr. R. T. Bevan, Lectr. (Preventive Med. and Student Welfare), on appt. as Asst. Medical Officer to the Glamorgan County Council; Dr. M. J. G. Lynch, Clinical Pathologist (Pathol.), on appt. to the County Hospital, Farnborough, Kent; Mrs. Margaret L. Williams, Asst. Medical Officer (Student Welfare), on appt. to the Silicosis Board; H. R. I. Wolfe, Sr. Asst. and Lectr. (Surgery), on appt. to Univ. Coll. Hospital, London; Dr. D. E. Meredith, Jr. Asst. and Lectr. (Med.), on appt. to Hallam Hospital, West Bromwich.

DEATHS. Emeritus Prof. S. Lyle Cummins (Tuberculosis); Dr. D. Llewelyn Williams (Vice-Chairman of the Council).

STUDENTS. Total: 339; full-time: 172; pt.-time: 167; the total includes 138 women and 22 postgraduates.

DEGREES AND DIPLOMAS. M.B., B.Ch., 39; B.Pharm., 9; M.Pharm., 1; B.M., B.Ch. Oxon., 1; Ph.D., 2; D.P.H., 8; T.D.D., 17.

UNIVERSITY COLLEGE OF THE SOUTH-WEST OF ENGLAND, EXETER

Founded 1901

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—JOHN MURRAY, M.A. Oxon. and Aberd., LL.D. Aberd., D Litt. Columbia.

REGISTRAR—Sir ALEXANDER CAMPBELL, M.C., M.A. Edin.

ACADEMIC SECRETARY—.....

LIBRARIAN—L. J. LLOYD, M.A. Camb.

SECRETARY OF THE INSTITUTE OF EDUCATION—R. H. CHARLES, C.B.E., M.A.

Telephone : Exeter 4141.

TEACHING STAFF

Botany and Horticulture

Caldwell, J., D.Sc. Glas., Ph.D. Glas. and Camb. Prof.
Ainsworth, G. C., B.Sc., Ph.D. Lond., F.L.S. Lectr.
Wilkinson, J., Ph.D. Durh., F.L.S. Lectr.
Heydecker, W., B.Sc. Reading Asst. Lectr.

Chemistry

Britton, H. T. S., D.Sc. Lond., D.I.C., F.R.I.C. Prof.
Gregg, S. J., B.Sc., Ph.D. Lond., F.R.I.C. Reader.
King, Ruth, M.Sc. Lond. Lectr.
Long, L. H., B.Sc., Ph.D. Lond., Ph.D. Camb., D.I.C. Lectr.
Schofield, K., B.Sc., Ph.D. Durh. Lectr.
Bevan, C. W. L., B.Sc. Wales, Ph.D. Lond. Lectr.
Whitehurst, J. S., B.Sc., Ph.D. Lond. Lectr.

Classics

Clayton, F. W., M.A. Camb. Prof.
Knight, W. F. J., M.A. Oxon., F.R.S.L. Reader.
Mathewson, R., B.A. Oxon. Lectr.
Shefton, B. B., M.A. Oxon. Lectr.
Stubbs, H. W., M.A. Oxon. Lectr.

Economics

Sykes, J., M.A., Ph.D. Leeds, M.Com. Manc. Prof.
Burton, H., M.A. Oxon. Lectr.
Ilersic, A. R., B.Com. Lond. Lectr.
Little, L. T. F., B.Sc. (Econ.) Lond. Lectr.
Meyer, F. V., B.Sc. (Econ.), Ph.D. Lond. Lectr.
Hill, L. C., C.B.E., LL.D. S.W. Georgetown, M.A. Liv., F.C.I.S. (Pub. Admin.) Lectr.
Ross, R., M.A. (Admin.) Manc. Lectr.
Steer, W. S. (Pub. Admin.) Sp. Lectr.

Education and Psychology

Watkins, S. H., M.A. Wales, Ph.D. Leip. Prof.
Collins, D. C., M.A., Ph.D. Lond. Lectr.

Mathias, Stella Y., M.A. Liv. Lectr.
Topsfield, Sylvia G., B.A. Oxon. and Lond. Lectr.
Ross, Isabel G. T., M.A. Aberd. Lectr.
Winter, H. J. J., M.Sc., Ph.D. Lond. Lectr.
Magee, Marjorie (Handicrafts) Lectr.
Riley, W. A., M.M., F.T.C.L. (Elocution and Dramatic Art) Lectr.
Stanıland, A. C., B.A. Lond. (Vısual Educ.) Lectr.
Cumming, A. M. (Gardening) Asst.
Fairclough, H. D. (Physical Educatıon) Instr.
Goodwin, Doreen V. (Physical Education) Instr.

English

Horrox, W. L., M.A. Camb. Prof.
Cruttwell, M. J. P., B.A. Camb. Lectr.
Dexter, Kathleen M., B.A. Lond. Lectr.
Speirs, J. H., B.A. Camb., M.A. Aberd. Lectr.
Suddaby, Elizabeth, M.A. Oxon. Lectr.
Wright, Bertha D., M.A. Edin., Ph.D. Lond. Lectr.

French

Ritchie, R. L. G., M.A., D.Litt., LL.D. Aberd., D. de l'U. de Paris Prof.
Duthie, Enid L., M.A. St. And., D. de l'U. de Paris Lectr.
Wılson, Aileen, M.A. Dub., D. de l'U. de Paris Lectr.
Yarrow, P. J., M.A. Camb. Lectr.
Fox, J. H., B.A. Lond., D. de l'U. de Paris Lectr.
Fox, Jacqueline E., L. ès L. Paris Asst.
Jenne, T. G., M.C., B.A. Lond. Asst.

Geography

Davies, A., M.Sc. Wales Reardon Smith Prof.
Kidson, C., B.A. Lond. Lectr.
Patterson, Mrs. Ethel J., M.A. Liv. Lectr.
Shorter, A. H., M.A. Manc., F.S.A. Lectr.
Johns, E. M., M.A. Camb. Lectr.
Ravenhill, W. L. D., B.A. Wales Lectr.

Geology

Stuart, A., M.Sc. Durh., F.G.S. Hd. of Dept.
Papworth, Patricia, B Sc. Reading Asst. Lectr.

German

Garland, H. B., M.A., Ph.D. Camb. Prof.
Swinburne, Hılda, M.A. Oxon. Lectr.
Garland, Mrs. H. B., B.A. Lond. Lectr.

Hıstory

Medlicott, W. N., M.A. Lond., F.R.Hist.S. Prof.
Barlow, F., M.A., D.Phil. Oxon. Reader.
Greenaway, G. W., M.A. Camb. Lectr.
Handcock, W. D., M.A. Bristol, B.Litt. Oxon. Lectr.
Pressnell, L. S., B.Sc. (Econ.) Lond. Asst. Lectr.
Southgate, D. G., B.A. Lond., D.Phil. Oxon. Temp. Lectr.
Fox, Lady Aileen, M.A. Camb. (British Archæology) Sp. Lectr.

Horticulture, v. *Botany*

Law

Morgan, J. G., M.A. Oxon., LL.B. Lond. Prof.
Hall, J. S., M.A., LL.B. Camb. Lectr.
Roberts, C. H., M.A. Oxon. Lectr.
Connelly, C. J. Asst. Lectr.

Parry, H. Lloyd, O.B.E., B.A., B.Sc., LL.B. Lond. (Const. L. and Pub. Admin.) Hon. Lectr.

Mathematics

Brown, T. A., M.A. Camb., M.A., B.Sc. Edin., F.R.A.S. Prof.
Ferraro, V. C. A., B Sc., Ph.D. Lond., D.I.C., F.R.A.S. (Applied M.) Prof.
Hayman, W. K., B.A. Camb. Lectr.
Mallison, H. V., M.A. Camb., B.Sc. Lond. Lectr.
Unthank, H. W., B.A. Camb., M.A., B.Sc. Lond., F.R.A.S. Lectr.
Williams, J., M.Sc. Wales Lectr.
Button, Lilian G., B Sc. Lond. Lectr.
Halberstam, H., M.Sc. Lond Lectr.
Chinneck, Rev. S. T. E., M.A. Camb. Asst.

Music

Wilcock, A. W., Mus.D. Manc., F.R.C.O. Hd. of Dept.

Philosophy

Levine, I., M.A., D.Litt. Glas. Prof.
Langmead Casserley, Rev. J. V., M.A., D.Lit. Lond. (Sociology) Lectr.
Callard, Pauline, B.Com. Lond. (Sociology) Lectr.

Physics

Newman, F. H., C.B.E., D.Sc. Lond., F.Inst.P. Prof.
Grew, K. E., Ph.D., D.Sc. Birm., Ph.D. Camb., F.Inst.P. Lectr.
Lothian, G. F., M.A. Oxon., F.Inst.P. Lectr.
Portman, N. A., B.Sc. Lond. Lectr.
Searle, V. H. L., M.Sc. Lond. Lectr.
Benzie, R. J., M.A. Abrd., D.Phil. Oxon. Lectr.

Theology

Carpenter, Very Rev. S. C., D.D. Camb. (Dean of Exeter) 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.

Agriculture

Moore, H. I., M.Sc., Ph.D., Dip. Agric. Camb. (Principal of Seale-Hayne Agric. College) Prof.

Extra-mural Studies

Sellon, H. G R , M A. Oxon Prof. and Hd of Dept.

Resident Tutors

Angove, Phyllis M., B.A. Lond.
Hallowell, E., M.A. Oxon.
Harris, F. L., M.A. Oxon.
Hollander, H., D.Phil. Vienna
Lewis, C. A., B.A. Manc.
Malbon, Gladys, M.A. Lond.
Pim, J. R., B.A. Oxon.
Purser, Audrey O., B.A. Brist.
Todd, A. C., B.A. Lond.
Tudor, G. D. C., B.A. Oxon.
Walters, W. E., M.A. Wales.

Overseas Students

Salter, K. W., B.A. Brist. Tutor.
Lloyd, Mrs. Vera (Phonetics).

GENERAL INFORMATION

Organized as a College, 1901. Incorporated under its present title, 1922.

Degree Courses. Courses for the external Degrees of the Univ. of London

in Arts, Science, Theology, Economics, Law, Music, and Hortic., and for the Inter. B.Sc. examn. in Agric.

POSTGRADUATE WORK. Provision for supervised research work in the several Faculties, whether as part of the course for a higher degree or otherwise.

DIPLOMA AND OTHER COURSES. Courses for the examns. of the Law Society, the examns. of the Institute of Physics and Royal Institute of Chemistry, the examns. for the Certif. of the Institute of Education of the Univ. Coll. of the South-West, the Univ. of Cambridge Certif. in Religious Knowledge, the Univ. of London Dipl. in Theol., the Univ. Coll. of the South-West of England Dipl. in Pub. Admin., and Soc. Admin., and for the Dipls. awarded by the Royal Horticultural Society.

AFFILIATION. The College is recognized as an associated Institution by the Univs. of Oxford and Cambridge.

FACULTY BOARDS in Arts, Science, Econ. and Educn.

ADMISSION. For degree courses the minimum entry requirement is matriculation in the Univ. of London ; 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.

FEES. Annual : Interm. course, Arts, Econ., £31 : 10s. ; Sci., £36 : 5s. ; final course in Arts, Econ., £31 : 10s. ; Sci., £36 : 5s. ; fees at reduced rate payable by students from Devon, Cornwall, Dorset, Exeter or Plymouth ; Law, 16 gs. to £25 ; for overseas students, £45 ; Research, £8 : 8s. to £25 ; Teachers' Training Dept. (Elem. Sec.), £53, Overseas Students, £75 ; Registration, £2.

RESIDENCE. For women—Hope Hall (96 students), Warden : Miss Ruth King, M.Sc. ; Lopes Hall (80), Warden : Miss I. Ross, M.A. ; Thomas Hall (50), Warden : Miss M. Pairpoint ; Birks Grange (20), Warden : Miss P. M. Depree, M.A. ; Barton Place (20), Warden : Miss P. Callard, B.Com. Terms : £86 to £89. For men—Reed Hall (68), Warden : Prof. V. C. A. Ferraro, B.Sc., Ph.D. ; Exeter Hall (69), Warden : W. L. D. Ravenhill, B.A. ; Mardon Hall (82), Warden : Prof. S. H. Watkins, M A., Ph.D. ; Crossmead, Dunsford Hill, Exeter (53), Warden : J. S. Hall, M.A., LL.B. Terms : £89 to £94. All students not living at home must reside in one of the Halls of Residence as far as accommodation permits.

ENTRANCE SCHOLARSHIPS. On the results of an annual Entrance Scholp. Examn. the College awards open scholps. (maximum value £80), open Exhibitions (maximum value £40), and various closed Scholps. Certain of these are recognized by the Ministry of Educn. as qualifying for Univ. Supplemental Awards.

SPECIAL SCHOLARSHIPS for students of the Coll. : Andrew Simons Graduate Scholps. in Sci., Rook Scholp. in Mod. Langs. for study abroad, Lope's Graduate Scholp. in Arts, Rotary Scholp. for study abroad ; the Coll. also awards Research Scholps. to graduates.

The Coll. organizes a Summer School in Engl. Studies for Overseas Students annually in the month of August.

OBSERVATORY. The Norman Lockyer Observatory, Sidmouth (Dir. D. L. Edwards, D.I.C., F.R.A.S.) became a constituent part of the University College in 1948.

PUBLICATIONS. College *Calendar*, 1s. 6d.; College *Prospectus* (free); *Prospectus of the Department of Education* (free); *Regulations for Entrance Scholarships* (free); *Annual Report* (free) in Oct.; Guild of Undergraduates' *Handbook*.

THE YEAR 1948–49

BENEFACTIONS. G. W. Davey Bequest, £2049 : 14 : 11; Donation of £100 from Dr. J. H. Sanders, Dawlish; further payment from the Mrs. Ellen Heath Bequest, £1628 : 12 : 6.

NEW BUILDINGS. Work has begun on the contract for completion of the Hatherly Biological Labs. Birk's Grange and Barton Place were opened as Halls of Residence for Women. "Knightley" was acquired as a Principal's Residence. The erection of extensions to "Thornlea" for the Dept. of Educn. proceeded. Extensions at Crossmead to provide accomm. for 26 more students were completed.

NEW DEPARTMENTS AND POSTS. Bracton Chair of Law established, and Chairs of German, Philos. and Zool. Sub-Dept. of Sociol. constituted in Dept. of Philos. Tutorship for Non-resident Students established (D. Jacobs, B.A. Camb., apptd.).

EXTRA-MURAL WORK. 141 courses were held during the session attended by a total of 2695 students.

RESIGNATIONS. N. A. S. Gibson (Extra-mural Dept.), on appt. at B.B.C.; S. G. Putt (Tutor to Overseas Students), on appt. with Commonwealth Fund Fellowships; Miss M. M. Richardson (Bot.), on appt. to the Univ. of Nottingham; W. J. Stower (Zool.).

DEATH. Dr. W. Schenk, Lectr. in History.

STUDENTS. Total: 1068; full-time: 962; pt.-time: 106; the total includes 364 women and 107 postgraduates. 123 students from 15 countries attended the Summer School in English Studies held during Aug. 1949.

DEGREES. B.A., 80; M.A., 1; LL.B., 3; B.Sc., 47; Ph.D., 5; B.Sc. (Econ.), 14.

UNIVERSITY COLLEGE OF HULL

Founded 1928

PRESIDENT — Rt. Hon. THE LORD MIDDLETON, M.C., J.P., Lord Lieutenant of the East Riding of Yorkshire.

VICE-PRESIDENTS—Rt. Hon. THE LORD BROWNLOW, Lord Lieutenant of Lincolnshire, Rt. Hon. THE LORD HOTHAM, D.L.

PRINCIPAL—J H. NICHOLSON, B.A. Oxon., M.A (Ed.) Bristol.

DEPUTY-PRINCIPALS—Professor BRYNMOR JONES, Ph.D. Wales, Ph.D., Sc D. Camb.; Professor A. G. DICKENS, M A. Oxon, F.R Hist S.

REGISTRAR—C MEGGITT.

LIBRARIAN—Miss A. CUMING, M.A. N.U.I., B.Sc. Oxon.

Telephone: Hull 18960 (6 lines).

TEACHING STAFF

Botany

Good, R. D'O., M.A., Sc.D. Camb. Prof.
Cromwell, B T., B.Sc., Ph.D. Liv. Reader.
Davies, D. D., B.Sc. Lond. Asst. Lectr.

Chemistry

Jones, Brynmor, B Sc, Ph.D. Wales, Ph.D., Sc.D. Camb., F.R.I.C. G. F. Grant Prof.
Orr, W. B., D.Sc. Belf., Ph.D. Durh. Lectr.
Baldwin, R. R., M.A. Camb. Lectr.
Gray, G. W., B.Sc. Glas. Lectr.
Kipling, J. J., M.A., B.Sc., D.Phil. Oxon. Lectr.
Barker, C. C., B.Sc., Ph.D. Brist. Lectr.
Norris, A. D., M.A., D.Phil. Oxon., F.R.I.C. Lectr.
Clarke, K., M.Sc., Ph.D. Liv., Asst. Lectr.

Classics

Gillies, M. M., M.A. Camb., Ph.D. Edin. Prof.
Howorth, R. H., M.A. Camb. Lectr.
Chilton, C. W., M A. Camb Lectr.
Norman, A. F., M.A. Oxon. Lectr.
Goold, G. P., B.A. Lond. Lectr.
Hamilton, J. R., M.A. Edin, B.A. Camb. Asst. Lectr.

Economics and Commerce

Bowen, I. I., M.A. Oxon. Prof.
Saville, J., B.Sc. (Econ.) Lond. Lectr.
Lindsay, M. F. M., M.A. Oxon. Lectr.
Klingender, F. D., B.Sc. (Econ.), Ph.D. Lond. (Sociol.) Lectr.
Rotheray, D., M.A. Camb. Lectr.
Tatlow, Ann E., B.A. Oxon. Lectr.
Nicholson, R. J., B.A. Camb. Lectr.
Bellamy, Joyce B., B.Com. Lond. Res. Asst.
Gribbin, T. K., B.Sc. (Econ.) Lond. Res. Asst.

Education

Castle, E. B., M.A. Oxon. Prof.
Marchant, R. B., M.A., Mus.B. Camb. (Music) Lectr.
Tinsley, Rev. E. J., M A., B.D. Durh. (Theol.) Lectr.
Bull, K. R., M.A. Oxon. (Phys. Educ.) Lectr.
Bull, Marion, B Sc Lond. Lectr.
Graham, Janet B. (Phys. Educ.) Lectr.
King, Frances W., B.A. Lond. Lectr.
Lawson, J., M A. Manc. Lectr.
Bradley, J , M.A. Camb., B.Sc. Lond. Lectr.
Bunker, G A. S., B Sc (Econ) Lond. Lectr.
Garforth, F. W., M A. Camb. Lectr.
Stern, H. H., M.A. Lond Lectr.
Murray, K. A. G., M.A., B.Ed. Aberd. Lectr.
Thompson, Rev. P. J., M A. Oxon. (Theol.) Lectr.
Sibley, Gwendoline Pt.-time Lectr.
Teather, Ida Pt.-time Lectr.

English Language and Literature

Vines, W. S., M.A. Oxon. G. F. Grant Prof.
'Espinasse, Margaret, B.A., B.Litt. Oxon. Lectr.
Trickett, Mabel, B.A. Oxon. Lectr.
Binns, A. L., B.A. Manc. Lectr.
Green, A. W. T., B.A. Oxon. Lectr.
Hunter, G. K., M.A. Glas., D.Phil. Oxon. Lectr.
Woolf, Rosemary, B.A., B.Litt. Oxon. Lectr.

French

MacInnes, W. A., M.A. Glas., D. ès L. Paris Prof.
Lucas, H. H., B.A. Reading, Dr. de l'U. Strasbourg Lectr.
Maguire, Patricia I., M A. Glas Lectr.
Ginestier, P., L. ès L., D.E.S. Sorbonne Lectr.
Charlton, D G., B.A. Camb. Asst. Lectr.
Pickford, C. E., M.A. Manc. Asst. Lectr.

Geography

King, H , M A. Liv. Hd of Dept
Brachi. D. P., M.A. Camb. Lectr.
Latham, Lois R , B A. Sheff Lectr.
de Boer, G , M.A. Camb. Lectr.

Geology

Penny, L F , M A Camb. Lectr.
Neale, J W., B.Sc. Manc. Asst Lectr.

German

Baier, C , B A. Liv , Dr Phil. Tubingen Hd of Dept.
Waidson, H. M., M.A. Birm., Ph D. Leipzig Lectr.
Mayer, F., cand. phil. I Basle Asst. Lectr.
Merselius, C. A., fil. mag. Lund (Swedish) Lector.
Laanti, E. A.-L., fil. maist. Helsinki (Finnish) 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. Reader.
Douie, Decima L., M.A. Oxon., Ph.D. Manc., F.R Hist.S Lectr.
Lyons, F. S. L., B.A., Ph.D. Dub. Lectr.
Foster, F. G., B.A. Dub. Lectr.
Spencer, F., M.A. Manc. Lectr.
Coleclough, J. E., M.A., LL.B. Camb. Pt.-time Lectr.

Law

Taylor, F. W., LL.B. Wales, B.A. Camb. Hd. of Dept.

Hall Williams, J. E., LL.B. Wales
Asst. Lectr.
Newton, J. D., LL.B. Lond.
Lectr.
Bevan, H. K., LL.B. Wales
Asst. 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.
Hale, V. W D., M.A. Camb.
Lectr
Neumann, Hanna, D.Phil. Oxon.
Lectr.
Parsons, H. W., M.A. Camb.
Lectr.
Sheppard, J. A. H., M.Sc. Lond.
Lectr.
Fisher, C. F., M.A. Oxon.
Asst. Lectr.

Philosophy and Psychology

Jessop, T. E., M A. Leeds, B Litt Oxon. Ferens Prof.
Westby, G., M.A. Oxon.
(Psychol.) Lectr.
White, A. R , B.A. Dub. Lectr.
Symons, J. R , B A Reading
(Psychol.) Asst. Lectr.

Physics

Palmer, L. S., D Sc., Ph D Bristol, F.Inst.P. Prof.
Jones, J. I., B.Sc., Ph.D. Wales, F.Inst.P. Lectr.
Cunliffe, A., B.Sc., Ph.D. Lond.
Lectr.
Hough, J. M., M.A. Camb. Lectr.
Reed, C. E., B.Sc. Durh. Lectr.
Goodyear, J., B.Sc., Ph.D Leeds
Asst. Lectr.
Muir, J., B.Sc. Edin. Asst. Lectr.

Social Studies

Wilson, R. C., M.A. Oxon.
Hd. of Dept.
Clegg, H. L., B.Sc. (Econ.) Lond.
Asst. Lectr.
Collins, Mrs. F. D. O., Dipl. Psychiatric Social Work, Edin.
Tutor in Prac. Soc. Work.
O'Farrell, Margaret B., B.A. Oxon.
Temp. Res. Asst.

Zoology

'Espinasse, P. G., M.A. Oxon.
Prof.
Trueman, E. R., B Sc. Glas.
Lectr.
Short, J. R T., B Sc. W.Aust.
Lectr.
Grainger, J. N. R., B.A. Dub.
Asst. Lectr.

Ferens Lecturer
(Fine Art)

1949–50—James Laver, Keeper of Depts of Paintings and of Engraving, Illustration and Design, Victoria and Albert Museum.

St. John's College (Cambridge) Lecturer

1949–50—Prof. Sir Frank Engledow, C.M.G., M A.

Adult Education

Mayfield, G. E. T., B.A. Lond. Prof.

Adult Education in H.M. Forces

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. M., M.A. Camb.
Baigent, C. W., B.A. Leeds.

Art, History of

Smart, P. A. M., M.A. Glas., Dipl. in Art Edin.
Librarian and Tutor.

Staff Tutors.

Economics

Barmby, J. E., B.Com. Birm.
Evans, R., B.Sc. (Econ.) Lond.

Roberts, T. J., B.A. Wales.
Hawkins, G. R. S., B.Sc. (Econ.) Lond. (in conjunction with Univ. of Sheffield, Dept. of Extra-mural Studies).

History

Gillett, E., B.A. Lond.
Marsden, A., B.A. Wales.
Reynolds, Mrs. C. E. M., B.A. Oxon.

History, Local

MacMahon, K. A., M.A. Lond.

Literature and Drama

Hoggart, H. R., M.A. Leeds.
Crane, Muriel E., M.A. Edin.
Marckwald, W. M.
Sims, Monica L., B.A. Oxon.
Parsons, Leila, M.A. Lond.

Philosophy and Psychology

Rickman, H P., M.A. Lond., D.Phil. Oxon.

Swedish

Merselius, C. A., fil. mag. Lund (in conjunction with Dept. of German).

ADMINISTRATIVE OFFICERS

Asst. Registrars: D. Campbell, B.A. Camb. (Property and Works); R. B. Shepherd, B.Sc. Lond. (Academic); D. K. R. Hodgkin, B.Sc. (Econ.) Lond. (Administration); Accountant: B. Armitage; Asst. to the Accountant: ..... ; Deputy Librarian: A. C. Wood, M.A. Glas.: Sr. Asst. Librarian: G. Jones, B.A. Camb.; Medical Officer: R. Raines, M.B. Leeds; Refectory Supervisor: Miss E. E. Hanna; Deputy Refectory Supervisor: Miss S. Waddington; Asst. Refectory Supervisor: Miss J. Evans.

INSTITUTE OF EDUCATION. Director: Prof. E. B. Castle, M.A. Oxon.; Sec.: I. T. James, M.A. Camb., B.Sc. Lond.; Librarian: C. B. Freeman, B.A. Oxon.

WARDENS OF THE HALLS OF RESIDENCE. Camp Hall, J. D. Culverwell, M.A. Oxon. Holtby Hall, Miss J. M. Woolley. Needler Hall, Miss M. Beaton, B.A. Camb. Thwaite Hall, Miss J. G. Dow, M.A. Edin.

GENERAL INFORMATION

The University College of Hull, incorporated on Oct. 7, 1927, was founded by the Right Honourable Thomas Robinson Ferens, P.C., LL.D., 1847–1930.

The College was opened to students for the first time on Oct. 11, 1928.

LIBRARY. The Library of the Coll. contains over 100,000 books and includes material for advanced research. Learned periodicals and scientific proceedings are represented by over 450 current issues, and by sets of back numbers.

DEGREE COURSES. Tuition is provided for London External degrees in Arts, Divinity, Music, Economics, Commerce, Laws, Pure Science, and for Intermediate Examinations in Agriculture and Pharmacy, First Examination for Medical, Dental, and Veterinary Courses.

POSTGRADUATE WORK. Courses and facilities for research in all departments. Research Studentships are awarded.

DIPLOMA AND OTHER COURSES. Univ. of London Dipl. in Geog.; Univ. of London Dipl. in Social Studies; Univ. of London Dipl. in Theol.; Univ. of London Sister Tutors' Dipl.; Certif. in Education of the Univ. Coll. of Hull; Dipl. in Public Admin. of the Univ. Coll. of Hull; Law Society's Examns.; Health Visitors' Courses.

ADMISSION. Students under 17 yrs. of age are not admitted without the special permission of Senate.

FEES. Tuition per annum: Degree in Arts, Comm., Econ., £33-£40; Degree in Science, £40; Degree in Law, £15; Dipl. in Social Studies, £33; Dipl. in Public Admin., £7; Certif. in Educn., £45; Registration fee, £3; Students' Union fee, £3: 10s.

BOARDS OF FACULTIES in Arts and Pure Science. Boards of Studies for Public Administration, Adult Education, Law.

SCHOLARSHIPS awarded annually—4 Ferens Open Scholps. of £80; 12 Open Scholps. of £40; Ferens Birthday Scholps. of £50; Frank Finn Scholp. of £40; Ritchie Rodger Scholp. of £30; District 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 about £50; Scholp. in Social Studies of £40.

RESIDENCE. All students in regular attendance, not living with their parents, are required to live in one of the Halls of Residence, unless special permission to the contrary is given by the Principal. FEES. Men, £103. Women, £100. For men—Camp Hall. For women—Holtby Hall, Needler Hall, Thwaite Hall.

APPOINTMENTS BOARD. Sec.: D. K. R. Hodgkin, B.Sc. (Econ.).

FERENS SOCIETY (Old Students' Association). President: The Principal; Chairman: Mrs. H. Phillipson, B.A.; Secretary: Mrs. D. I. Mullin, 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 (Associate Members), and certain other Associate and Hon. Members who are elected by the Association.

PUBLICATIONS. *Calendar* (Oct.); *General Prospectus*; *Yorkshire Bulletin of Social and Economic Research* (half-yearly) (Jointly with Depts. of Economics of Univs. of Leeds and Sheffield); *Studies in Education*; Education Department, Joint Scholarships Examination Board *Prospectus*; *The Torch* (Magazine of the Students' Union), three times a year.

THE YEAR 1948–49

On Oct. 7 a reception was held to celebrate the 21st Anniversary of the College. On Nov. 1 the Institute of Education was officially inaugurated. The teaching of Geology and Finnish began during the session. Negotiations took place with the Development Commissioners resulting in an agreement that the Oceanographical Research conducted by the Coll. since 1931 should be transferred to the Scottish Marine Biological Association on March 31, 1950.

BENEFACTIONS. The Distillers Co. has made a grant of £500 a yr. for 3 yrs. for res.; Imperial Chemical Industries Ltd. has made a further grant of £250, together with the loan of apparatus valued at £150. A collection of valuable silver was bequeathed by the late Alderman B. Pearlman. Dr. B. T. Cromwell has presented an important collection of ferns.

NEW BUILDINGS. The W. wing of the Arts Bldg. and the further extension of Thwaite Hall (for women students) have been completed. The new Students' Union Refectory has been completed since the yr. under review and progress

has been made on the remainder of the Union Bldgs., on the Workshops and on site preparation for other bldgs.

EXTRA-MURAL WORK. A total membership of 4108 attended 157 courses (held in 54 different centres) arranged by the Dept. of Adult Educn. In addition to these courses, 10 public lectures were arranged and a further 150 single and pioneer lectures were given in the area. 40 Swedish teachers attended a three-weeks course arranged in conjunction with the Folk Univ. of Stockholm. Through the Committee for Educn. in H.M. Forces, 762 single lectures, 10 classes and 44 schools and conferences have been provided for Service personnel.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. I. L. Kandel (Manchester)—"The Problems of the Comprehensive School in this Country and America"; Prof. P. Boyer (Institut Français, Edinburgh)—"Philosophes français du XVI^{e} et du XVII^{e} siècle" (6 lectures); Prof. J. Dedeyan (Sorbonne)—"Influences étrangères dans la littérature française moderne"; Prof. H. J. Emeléus (Cambridge)—"The Preparation of Radioactive Isotopes"; Dr. A. E. Alexander (Cambridge)—"Surface Chemistry—its Achievements and its Future"; Prof. M. Polanyi (Manchester)—"The Nature of Scientific Convictions"; Prof. R. D. Haworth (Sheffield)—"Some Recent Developments in the Chemistry of Natural Products."

RETIREMENT. Prof. C. Gill (Hist.)—elected Emeritus Prof.

RESIGNATIONS. R. Powell, on election to a Readership in Law in the Univ. of London; J. W. F. Bell, on obtaining a Research appt. at King's Coll., Newcastle-on-Tyne; G. Bond (Geol.); A. C. Croft (Asst. to Accountant); A. Horseman (Physics); H. M. Knox (Educn.), on appt. to a Lectureship in the Univ. of St. Andrews; Dr. C. Müller (Maths.); E. C. Read, on appt. as Sec. of the Central Committee for Educn. in H.M. Forces; D. W. Reece, on appt. as Lectr. in Ancient Hist. in the Univ. of Aberdeen; Dr. M. A. Weinberger (Chem.), on obtaining a Postdoctorate Fellowship for Res. at the National Res. Council Labs. in Ottawa, Canada; S. R. Whipple, on appt. as Asst. Registrar and Appts. Sec. in the Univ. of Liverpool.

DEATH. A. R. Cleminson, J.P. (Chairman of Council 1941–50).

STUDENTS. Total: 839; full-time: 775; pt.-time: 64; the total includes 275 women and 14 postgraduates.

DEGREES. B.A., 103; LL.B., 2; B.Sc., 38; B.Sc. (Econ.), 6; B.Com., 3.

UNIVERSITY COLLEGE, LEICESTER

Founded 1918

VISITOR—Professor GILBERT MURRAY, O.M., M.A., LL.D., D.Litt., F.B.A.

CHAIRMAN OF COUNCIL—H. PERCY GEE, O.B.E., J.P.

TREASURER—G. CECIL G. GEE, D.L.

PRINCIPAL—F. L. ATTENBOROUGH, M.A. Camb.

REGISTRAR—H. B. MARTIN, B.Com. Lond., F.C.I.S.

ACCOUNTANT—E. C. GOLDSPINK.

LIBRARIAN—Miss R. BENNETT, M.A. Lond., F.L.A.

Telephone: Leicester 65211 (3 lines).

TEACHING STAFF

Botany

Tutin, T. G., M.A. Camb., F.L.S. Prof.
Conolly, Ann P., M.A. Camb. Lectr.
Fincham, J. R. S., M.A., Ph.D. Camb. Lectr.
Wangermann, Elisabeth, M.Sc., Ph.D. Manc. Asst. Lectr.
Tutin, Mrs. Winifred, B.Sc., Ph.D. Reading Pt.-time Lectr.

Chemistry

Hunter, L., D.Sc. Lond., F.R.I.C. Prof.
Peeling, E. R. A., B.Sc., Ph.D. Lond. Lectr.
Harvey, S. H., B.Sc., Ph.D. Lond Lectr.
Shaw, Florence R., B.Sc., Ph.D. Leeds Lectr.
Eaborn, C., B.Sc., Ph.D. Wales Lectr.
Prestt, Mrs. Brenda M., B.Sc., Ph.D. Lond. Asst. Lectr.

Economics and Commerce

Pool, A. G., B.Sc. (Econ.), Ph.D. Lond. Prof.
Hookham, M., B.Sc. (Econ.) Lond. Lectr.
Conway, Freda C., B.Sc. Lond., M.A.(Com.) Manc. Lectr.
Neustadt, I., Dr. Sc. Econ. Liège, Ph.D. Lond. Lectr.
Rees, J. C., M.A. Camb., B.Sc. (Econ.) Lond. Lectr.
Mason, Rev. L., B.A., B.D. Manc. Pt.-time Lectr.

Education

Tibble, J. W., M.A., M.Ed. Leeds Prof.
Roberts, I. E., B.Sc. Wales Lectr.
Pedley, R., M.A., Ph.D. Durh. Lectr.
Swainson, Beatrice M., M.A. Lond., D.Phil. Oxon. Lectr.
Wight, R. M., B.L. Aberd. Lectr.
Lowe, Mildred, B.Sc. Lond., B.Sc. Birm. Lectr.
Biggs, Mrs. B. R., B.A. Lond. Pt.-time Lectr.
Bishop, R. L. Pt.-time Lectr.
Jones, Very Rev. H. A., B.Sc. Lond. Pt.-time Lectr.

English

Humphreys, A. R., M.A. Camb. and Harvard Prof.
Collins, A. S., M.A., Ph.D. Lond. Sr. Lectr.

Horne, C. J., M.A. Melb., M.A., B.Litt. Oxon. Lectr.
Jones, Monica M. B., M.A. Oxon. Lectr.
Willson, Mrs. Agnes G., M.A. St. And. Lectr.

French

Sykes, L. C., M.A. Sheff., D.Phil. Oxon. Prof.
Rasmussen, B. H., B.A. Lond. Lectr.
Favre, A. C., L. ès L. Lectr.
Hemmings, F. W. J., M.A., D.Phil. Oxon. Asst. Lectr.
Hampton, J., B.A. Sheff. Asst. Lectr.
Bleynie, Monique, L. ès L. Lectrice.

Geography

Bryan, P. W., B.Sc. (Econ.), Ph.D. Lond. Hd. of Dept.
Jennings, J. N., M.A. Camb. Lectr.
Millward, R., M.A. Camb. Lectr.
Smith, C. T., B.A. Camb. Asst. Lectr.

German

Powell, P. H , M.A. Wales, Ph.D. Rostock Lectr. in charge.
Willson, H. B., M.A. Camb. Lectr.
Thomas, C. R., M.A. Camb. Pt.-time Lectr.
Seefisch-Gaus, Frau M., Ph.D. Rostock Lektorin.

History

Simmons, J., M.A. Oxon. Prof.
Evans, Mrs. A. K. B., B.A., Ph.D. Lond , F.R.Hist.S. Lectr.
Evans, R. H., M.A. Oxon. Lectr.
Wright, H. R. C., M.A., Ph.D. Camb. Asst. Lectr.
Scarfe, N., B.A. Oxon. Asst. Lectr.

History, English Local

Hoskins, W. G., M.Sc. (Econ.), Ph.D. Lond. Reader and Lectr. in charge.

Latin and Greek

Leon, P., M.A. Oxon. Sr. Lectr. and Lectr. in charge.
Rushworth, E., M.A. Camb. Lectr.
Ewins, Ursula E., B.A. Oxon. Asst. Lectr.

Mathematics

Goodstein, R. L., B.A., M.Sc. Camb., D Lit., Ph.D Lond. Prof.
Whitfield, E. V., M A Camb., B Sc. Manc. Sr. Lectr.
Primrose, E. J., M.A Oxon. Lectr.
Buckley, R , B Sc. Lond. Lectr.
Dienes, Z. P., B A., Ph.D. Lond. Lectr.
Dienes, P., D. ès Sc. Paris, Ph.D. Budapest Lectr.
Hughes, N. J. S., M.A. Camb. Asst. Lectr.

Music

Burrows, B., Mus D. Lond., F.R.C O.
Gray, G C., Mus B. Durh., F.R.C.O.

Physics

Stewardson, E. A., M.Sc. Liv., Ph D. Camb. Prof.
Haywood, C A., B Sc. Birm. Lectr.
Hunter, A. N., B.Sc. Lond. Lectr.
Wilson, J. E., B.A. Oxon. Asst. Lectr.
Matsukawa, E., B.Sc. Lond. Asst Lectr.
Sinclair, Charmian, B.Sc., Ph.D. Lond. Asst. Lectr.

Social Studies

McKay, Sheila S., B.A. Manc. Tutor.
Gray, Mrs. Barbara J., B.A., Ph.D. Birm. Asst. Tutor.

Zoology

Moon, H. P., M.A. Camb., F.L.S. Prof.
Moody, Joyce, B.Sc. Sheff. Lectr.

Evans, Gillian, B.Sc. Lond. Lectr.

Higson, Constance W. J., M.A., Ph.D. Camb., F.L.A. Librarian.

Institute of Education

Tibble, J. W., M.A., M.Ed. Leeds Director.
Kean, A. M., M.A. Glas. Org. Sec.
Hughes, E. W., M.A., B.Sc. Birm. Res. Organizer.

Extra-mural Adult Education

Allaway, A. J , M.A Sheff. Prof.
Collins, P. A. W., M.A. Camb. Staff Tutor.

ADMINISTRATIVE STAFF

DEANS OF THE FACULTIES. Arts, Dr. P. W. Bryan; Science, Prof. L. Hunter; Economics and Social Studies, Prof. A. G. Pool.

Assistant Registrar, J. D. Irwin, B.A. Camb.; Asst. Accountant, F. C. Pope; Sub-Librarian, J. A. Barker, M.A. Edin.; Asst. Librarians, Maureen Bateman, M.A. Camb.; P. A. Larkin, M.A. Oxon.; Physical Education and Welfare Officer, R. M. Wight, B.L. Aberdeen; Caterer, Miss C. Pope; Clerk of Works, W. L. Lower; Maintenance Officer, A. G. Mitchell.

APPOINTMENTS. The Asst. Registrar.

GENERAL INFORMATION

University College was founded in 1918. The fine site and buildings, 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 College, since its inception, has been liberally supported by the City Council, and also receives an annual grant from the Leicestershire Education Committee. In July 1945 it was recognized by the University Grants Committee and placed on the list of University Institutions receiving grants from the Exchequer.

LIBRARY. The Library contains some 60,000 volumes, and is especially notable for two collections: the Robjohn Collection of Bibles, the works of Bunyan, and early printed books; and the Hatton Topographical Library. Special attention has been given to English Local History.

DEGREE COURSES. Students are prepared for the first and higher external degrees of the Univ. of London in the Faculties of Arts, Science and Economics.

DIPLOMA COURSES. For the College Dipl. in Education (postgraduate 1-yr. course), Dipl. in Soc. Studies (2 yrs.), and London Dipl. in Geography.

RESEARCH. Facilities are available in all Departments for postgraduate study and research, and postgraduate scholps. are offered annually.

The EXTRA-MURAL DEPARTMENT is housed in a separate building—Vaughan College—in the centre of the City, where a wide range of courses in non-vocational subjects is provided and student amenities are available.

ADMISSION. The normal age for entry to full-time courses is 18, and the minimum standard of admission is the Matriculation Examn. of the Univ. of London.

FEES. Sessional composition fees (including subscription to Students' Union): First Degree in Arts, £35; in Science, £40; in Economics, £35; Postgraduate Courses in Arts, £10; in Science, £14; in Economics, £10; in Education, £54. Diploma Course in Soc. Studies, £25.

SCHOLARSHIPS AND BURSARIES. Thirteen Open Scholps., value £40-£50 a yr., and Bursaries are awarded annually on a Scholps. Examn. held in Feb. or March. The Scholps. are recognized by the Ministry of Education for University Supplemental Awards. State Scholps. are tenable at the College. Mary Ager Scholps. are available to enable students of Modern Langs. to spend a period abroad during their course. Postgraduate Scholps. for 2 yrs., of an annual value up to £250, are offered annually.

RESIDENCE. For Women—College Hall (100 students), Warden: Miss D. M. Forster, M.A. Fee, £85 a session. For Men—Beaumont House, Digby House, Hastings House, Shirley House (150 students), Warden: Richard Bishop. Fee, £90 a session. Extensions to the Men's Hall are under construction.

THE YEAR 1948-49

NEW BUILDINGS. Work on the extension and alteration of the Main Bldgs. continued. Good progress was made with the South Wing Extension, which will provide an examn. hall, new senior common-room, and rooms for the Dept. of Education. The new entrance and offices for the Library, and the new Reading Room and Stack-room, were completed, as well as a new Chem. Lab., Students' Common-Rooms and cloakrooms, and staff rooms. The new Lecture Room Block, containing 9 rooms, was completed, and work began on extensions to the Physics Dept. Work began in Jan. on the Natural Sciences Bldg., which will house the Depts. of Bot. and Zool., and in July on the extensions to the Men's Hall of Residence at Beaumont House. A house was purchased and adapted as a Social Studies Centre, and work began on the adaptation of the property acquired for the Institute of Education. The development of the first part (14 acres) of the new playing-fields—to provide an athletics track and additional sports pitches—was begun. Preliminary plans were approved for a Students' Union Bldg., new Chemistry Bldg., and an extension of the Library.

RESIGNATIONS. Mrs. H. T. Patterson, on appt. to Lectureship in French, The Queen's Univ., Belfast; C. G. Wilson, on appt. to Lectureship in Physics, Royal Military Coll. of Science.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. A. J. Ayer (London), "Philosophy and Politics"; E. B. Birley (Durham), "Roman Leicester and its significance"; Prof. I. L. Kandel (Manchester), "Foreign Policy of the U.S.A."; Prof. J. Read (St. Andrews), "Cultural Value of Science"; Prof. J. R. Sutherland (London), "Psychology and Literary Criticism"; Prof. K. C. Wheare (Oxford), "The British Commonwealth."

STUDENTS. Total: 584; full-time: 568; pt.-time: 16; the total includes 205 women and 34 postgraduates.

DEGREES. B.A., 23; B.Sc., 14.

*

UNIVERSITY COLLEGE OF NORTH STAFFORDSHIRE

Founded 1949

Keele Hall, Keele, Stoke-on-Trent.

Telephone : Silverdale 371.

PRESIDENT—The Rt. Hon. THE EARL OF HARROWBY.

VICE-PRESIDENTS—Alderman T. HORWOOD, B.A. Camb. ; Alderman L. DAVIES, O.B.E., J.P. ; Alderman W. HUTSON, J.P.

PRINCIPAL—Rt. Hon. LORD LINDSAY OF BIRKER, C.B.E., M.A. Oxon., LL.D. Glas. and St. And.

TREASURER—A. P. WALKER.

LEGAL ADVISER—H. TAYLOR.

REGISTRAR—W. A. JENKINS, C.I.E., D.Sc. Sheff.

LIBRARIAN—S. O. STEWART, M.A. Glas.

TEACHING STAFF

Biology

Gemmell, A. R., B.Sc., Ph.D. Glas., M.S. Minnesota Prof.

Chemistry

Springall, H. D., M.A., B.Sc., D.Phil. Oxon. Prof.

Classics

Charlton, J. M. T., M.A. Manc. Reader.

Economics

Williams, B. R., B.A. Melb., M.A. Adel. Prof.

Education

Stewart, W. A. C., M.A., Ph.D. Lond. Prof.

English Language and Literature

Lawlor, J. J., M.A. Oxon. Prof.

French

North, R. J., M.A. Lond. Lectr.

Geography

Beaver, S. H., M.A. Lond. Prof.

Geology

Cope, F. W., D.Sc. Manc., F.G.S. Reader.

History

Blake, J. W., M.A. Lond. Prof.

Mathematics

Sneddon, I. N., M.A., D.Sc. Glas. and Camb. Prof.

Modern Languages

Chambers, W. W., M.A. Glas., Ph.D. Munich, L. ès L. Paris and Lille Prof.

Moral and Political Philosophy

Teale, A. E., B.A. Leeds, B.Litt. Oxon. Prof.

Philosophy

Gallie, W. B., M.A., B.Litt. Oxon. Prof.

Physics

Vick, F. A., O.B.E., M.Sc., Ph.D. Birm. Prof.

Political Institutions

Finer, S. E., M.A. Oxon. Prof.

Religious Knowledge

Henderson, R. B., M.A. Oxon. Lectr.

ADMINISTRATIVE OFFICERS

Asst. Registrar (Estate and Building): E. J. Hughes, D.P.A.; Asst. Registrar (Finance): T. Ball; Asst. Librarian: Miss J. E. Friedman, B.A. Camb.; Principal's Sec.: Mrs. J. M. Morton.

GENERAL INFORMATION

The College was founded by Royal Charter in Aug. 1949, and was opened in Oct. 1950. Situated at Keele Hall, where there is an estate of 154 acres, it is about three miles due west of Newcastle under Lyme.

DEGREE COURSES. The Charter empowers the College 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 will be able to select from the normal range of subjects available to Univ. students. The B.A. degree will be awarded with Honours where sufficient merit is shown. During the 4 yrs., training for teachers, youth leaders, and social workers will be provided, making it possible to obtain recognized qualifications concurrently with the degree.

ADMISSION. Ordinarily, candidates must be over seventeen, 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. V. also Appendix I.

FEES. There is an inclusive fee of £40 p.a. covering matriculation, registration, Students' Union, Tuition and all examn. fees. Graduation fee: £5 : 5s.

RESIDENCE. The College is almost entirely residential. Halls of Residence are provided on the estate, and only under exceptional circumstances are students allowed to reside elsewhere. Fees, £100 per session of 30 weeks. Men's Hall (Warden: R. N. Rayne, B.A. Oxon.) has accommodation for 70 students; Women's Hall (Warden: Miss Mary H. Wilson, M.A.) has accommodation for 80 students.

UNIVERSITY COLLEGE, SOUTHAMPTON

Founded 1850

VISITOR—Vice-Admiral THE EARL MOUNTBATTEN OF BURMA, K.G., P.C., G.M.S.I., G.M.I.E., G.C.V.O., K.C.B., D.S.O., D.C.L. Oxon., LL D. Camb.

PRESIDENT—THE DUKE OF WELLINGTON.

VICE-PRESIDENTS—Sir SAMUEL GURNEY-DIXON, M.A., M.D., J.P.
Sir HENRY TIZARD, K.C.B., A.F.C., F.R.S.

PRINCIPAL—Sir ROBERT S. WOOD, K.B.E., C.B., M.A. Camb.

VICE-PRINCIPAL—Professor G. F. FORSEY, M.A. Lond.

TREASURER—A. R. AVENS, F.C A.

SECRETARY—B. A. CHALMERS, M.A , LL.B.

ACADEMIC REGISTRAR—MARGARET W. PRICE WHITE, B.A Wales.

FINANCE OFFICER—F. H. SAWYER.

LIBRARIAN—MARJORY I. HENDERSON, M.A. Edin.

Telephone: Southampton 54071 (4 lines).

TEACHING STAFF

Botany

Mangham, S., M.A. Camb. Prof.
Loader, Freda M., B.Sc. Lond. Lectr.
Lane, G. R., B.Sc. Lond. Lectr.
Manners, J. G., M.A., Ph.D. Lectr.
Wood, Winifred M. L., B.Sc. Lond. Asst. Lectr.

Chemistry

Adam, N. K., M.A., Sc.D., F.R.S., F.R.I.C. Prof.
Chapman, N. B., M.A., Ph.D. Camb. Sr. Lectr.
Campbell, Ishbell G. M., B.Sc., Ph.D. St. And. Lectr.
Webb, K. R., B.Sc., Ph.D. Lond. Lectr.
Balson, E. W., B.Sc. Lond. Lectr.
Cartmell, E., B.Sc. Lond. Lectr.
Burkin, A. R., M.Sc., Ph.D. Lond., F.R.I.C. Lectr.
Hills, F. D., B.Sc. Lond. Asst. Lectr.
Parker, R. E., B.Sc. Lond. Lectr.
Cavell, E. A., B.Sc. Lond. Asst. Lectr.

Classics

Forsey, G. F., M.A. Lond. Prof.
Whitaker, C. W., B.A. Oxon. Lectr.
Douglas, A. E., M.A. Oxon. Lectr.
Macleod, M. D., M.A. Camb. Lectr.

Economics and Geography

Ford, P., B.Sc. (Econ.), Ph.D. Lond. Prof. of Econ.

Economics

Armstrong, W. E., M.A. Camb. Sr. Lectr.
Hodgson, R. A., B.Com. Lond., Dip. in Pub. Admin. Lectr.
Richards, P. G., B.Sc. (Econ.) Lectr.

Thomas, C. J., B.Sc. Wales, M.Sc. (Econ.) Lond. Lectr.
Benn, S. I., B.Sc. (Econ.) Lond. Lectr.
Kemp, T., B.Sc. (Econ.) Res. Asst.
Algate, F. M., B.Sc. (Econ.) Res. Asst.
Bound, J. A., B.Sc. (Econ.) Stat. Asst.

Geography

Miller, Florence C., B.A. Leeds Hd. of Dept. of Geog. and Sr. Lectr.
Tavener, L. E., M.A. Camb. Lectr.
Robinson, G. W. S., M.A. Lond. Lectr.
Gifford, Cynthia J., B.Sc. Lond. Lectr.

Social Studies

Young, Agnes F., M.A. Liv. Lectr.
Ashton, E. T., B.A. Oxon., D.P.A. Lectr.

Education

Wagner, F. W., M.A., B.Sc. Prof.
Hales, Rhona B., M.A. Oxon., B.D. Lond. Lectr.
Pearcy, I. H., B.Sc. Lond. Lectr.
Hancox, Marguerita K., M.A. Birm. Lectr.
Rushby, J. G., B.Sc. Lond. Lectr.

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 Prof.
Punnett, S. W., B.Sc. Lond. Lectr.
Tomlinson, T. B., B.Sc. Lectr.
Orba, A., B.Sc. Glas. Tech. Lectr.
Finn, E. J. Tech. Lectr.
Atkinson, A. E., B.Sc. Tech. Lectr.
Hall, E. Tech. Lectr.
Johns, G. H., B.Sc. Tech. Lectr.
Hatcher, P. G. Tech. Lectr.

Engineering

Black, A. N., M.A. Camb. Hd. of Dept. and Prof. of Mech. Eng

Engineering, Aeronautical

Richards, E. J., M.A. Camb., B.Sc. Wales Prof.
Tanner, T., D.I.C. Lectr.
Alford, B. C., B.Sc. Lond. Lectr.

Engineering, Civil

McPherson, D. H., B.Sc Edin. Sr. Lectr.
Ray, P. N., M.A Oxon Lectr.

Engineering, Electrical

Spary, P. G., B.Sc., M.Eng. Sr. Lectr.
Chester, C. E., B.Eng. Lectr.
Steven, R. E., B.Sc. Belf. Lectr.
Gregson, T. W., M.A. Camb. Lectr.
Yorke, R., B.Eng. Asst. Lectr.

Engineering, General

Leech, H. J., A.M., A.F.M. Experimental Engineer.
Ritchie, J. D. Asst. Experimental Engineer.
Duncan, R. A. Instr.
Horley, A. W. Instr.
Thorne, H. L. Instr.
Brebner, N. G. Instr.
Reeve, P. S. C. In Charge of Gauge-Testing Station.
Hargreaves, F., D.I.C., F.R.I.C. (Metall.) Sp. Lectr.
Barron, H., B.Sc., Ph.D., F.R.I.C. (Plastics) Sp. Lectr.

Engineering, Marine

Sword, J. H. Tech. Lectr. in Charge.
Smith, W. S. Tech. Lectr.

Engineering, Mechanical

Black, A. N., M.A. Camb. Prof.
Cook, A. F., M.A. Lectr.
Sara, H. J., B.Sc. Lond. Lectr.
Aplin, W. N., B.Sc. Lond. Lectr.
Jolley, E. S. Tech. Lectr.
Young, J. Tech. Lectr.

Wilson, W. N., B.A. Asst. Lectr.
Jagger, J. M., B.Sc. Demr.

English Lang. and Lit.

Wright, B. A., M.A. Oxon. Prof.
Brooks, K. R., M.A., D.Phil. Oxon. Sr. Lectr.
Prince, F. T., M.A. Oxon. Lectr.
Sharrock, R. I., M.A., B.Litt. Oxon. Lectr.
Swannell, J. N , B.A. Lond. Lectr.
Newman, F. A. B., M.A. Pt.-time Lectr.

Geology

Wisden, Dorothy E., M.Sc., F.G.S. Lectr.
Thomas, G. E., M.Sc. Wales, F.G.S. Asst. Lectr.

History

Rothwell, H., B.A. Manc., Ph.D. Camb. Prof.
Patterson, A. T., M.A. Durh. Lectr.
Merson, A. L., B.A. Oxon. Lectr.
Hanna, A. J., B.A. Belf., Ph.D. Lond. Lectr.
Pugh, T. B., B.A., B.Litt. Oxon. Lectr.
Pelham, R. A., M.A. Wales, Ph.D. Birm. (Historical Geog.) Lectr.
Mather, F. C., M.A. Manc. Asst. Lectr.
Crawford, O. G. S., F.S.A., F.B.A. (Field Archæol.) Hon. Lectr.

Mathematics, Pure and Applied

Davies, E. T., D.Sc., Ph.D. Lond., D.Math. Rome (Pure) Prof.
Jahn, H. A., M.Sc., Ph.D. (App.) Prof.
Trout, Annie M., B.A. Lond. (Engin. Math.) Sr. Lectr.
Maunsell, F. G., M.A., Ph.D. Camb. Lectr.
Liebetegger, A., Ph.D. Vienna Lectr.
Walls, Nancy, M.A. Edin. Lectr.
Clark, R. S., M.Sc. Lond., Ph.D. Lectr.
Mullineux, N., B.Sc., Ph.D. Lectr.
Davies, H. J., B.Sc., Ph.D. Wales Lectr.
Brickell, F., B.Sc., Ph.D. Lond. Lectr.
Please, Miss O. A., M.Sc. Lond. Lectr.
Bermingham, K., B.Sc. Lond. Tech Lectr.

Modern Languages

French

Spink, J. S., M.A. Leeds, D. de l'U. Paris
Prof. in charge of Romance Langs.
Beaumont, E., M.A., Ph.D. Lond. Lectr.
Lindahl, M. S., M.A. Camb. Lectr.
Mayer, C. A., B.A., Ph D. Lond. Lectr.
Cruickshank, J., B.A. Dub. Asst. Lectr.
Eastman, Mrs. Simone P., Brev. Sup., O.A. Lectrice.

German

Lucas, W. I., M.A. Brist., Ph.D. Heidel.
Sr. Lectr. in charge of Dept.
Wilson, W. L., M.A. Edin. Lectr.
Neuschaffer, W., Ph.D. Heidel.
Lectr. and Hon. Lectr. in Russian.

Spanish

Kerr, R. J. A., M.A. Glas. Asst. Lectr.

Music

Williams, D. C., Mus.Bac. Durh., F.R.C.O. Dir.

Philosophy

MacIver, A. M., M.A. Oxon. Sr. Lectr.

Physics

Taylor, A. M., M.A., Ph.D. Camb., F.Inst.P. Prof.
Weintroub, S., M.A. Oxon. Lectr.
McNeill, D. B., M.Sc., Ph.D. Belf. Lectr.

Kellner, K., Ph.D. Edin. Lectr.
Jerrard, H. G., B.Sc. Lond. Lectr.
Myers, W. R., M.Sc. Lond. Lectr.
Braybon, J. E. H., B.Sc. Lond. Lectr.
Mercer, D. M. A., B.Sc. Lond., M.A. Camb. Lectr.

Theology

Livesey, Rev. H., M.A., F.R.A.I. Supervisor of Studies.
Hon. Lecturer
Frith, Rev. H. I., M.A., B.D. (Biblical & Historical Theol.).

Zoology

Raymont, J. E. G., B.Sc. Lond., A.M. Harv. Prof.
Hall, R. E., B.Sc. Lond. Lectr.
Hockley, A. R., B.Sc. Lond. Lectr.
Fairbairn, W. E., B.Sc. St. And. Lectr.
Evans, R. G,, B.Sc , Ph.D. Wales Lectr.

School of Navigation

Wakeford, G. W., F.R.A.S., F.R.S.A., Extra Master Dir. of Navigational Studies.
Nichols, A., Extra Master Hd. of Sr. Dept.
Stewart, H., Extra Master Hd. of Jr. Dept. and Dep. Dir.
Pursey, H. J., Extra Master Sr. Lectr.

Lecturers

Alger, Lieut.-Comdr. K. R.
Canton, F/Lt. W. V., F.R.Met.S.
Clark, Lt.-Cdr. C. A. H , R.D.
Clissold, Cdr. P. C. H., R.D
Mackillop, F/Lt. E. D. J.
Pierce, Lt -Cdr. A. H., O.B E., R.D.
Puzey, H. C
Roberts, S/Ldr. C. W.
Rose, Lieut.-Comdr J. N , R.D.
Thomas, F/Lt J. C.
Thiele, F/Lt F D
Whittle, G

Instructors

Blyth, A , Chief Staff Instr.
Symes, E.
Kuhlman, H , B.E.M.
Ferris, A J , D S M.
Shelley, Chief Yeoman W. F.
Noice, J. W. J.

Institute of Education

Wagner, F. W., M.A., B.Sc Dir.
Hicks, W. C. R., B.A. Lond., D.Phil. Erlangen Sec. and Dept. Dir.

Adult Education

Head of Dept. : 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., P. G. H. Hopkins, B.A., F. A. Ollett, M.A., A. Hodson, B.A., D. C. Hawkins, B.Sc. (Econ.) Lond., W. Gregory, B.A. Camb.

ADMINISTRATIVE OFFICERS

Asst. Sec., Nancy H. Barton ; Secretary's Private Sec., Hilda Boyens ; Hd. Clerk of College Office, Dorothea C. Oxford ; Sub-Librarian, H. W. Belmore, M.A. Lond. ; Administrative Assistant, Institute of Education, Theodora F. Ross-White ; Clerk of Works, H. C. Doman.

WARDENS OF HALLS OF RESIDENCE

Connaught Hall, The Rev. Herbert Livesey, M.A., L.Th., F.R.A.I. ; Highfield Hall, Elizabeth U. Lightbody, M.A. ; South Hill, Mrs. A. T. Markwick, B.A., Ph.D. ; South Stoneham House, R. A. Pelham, M.A., Ph.D. ; Glen Eyre, W. L. Wilson, M.A.

GENERAL INFORMATION

Founded 1850; opened as the Hartley Institution, 1862. Incorporated as the Hartley University College under a scheme of the Board of Education, 1902. The College has been unofficially known as "University College, Southampton" for many years, but the corporate name still is "Hartley University College at Southampton."

The Edward Turner Sims Library and the Departmental Libraries contain about 72,000 volumes. Special collections include the Cope collection of works relating to Hampshire, the Montefiore Theological Library and the Gurney-Dixon Dante Collection. Current periodicals number over 300. The Library is recognized by the Master of the Rolls and the British Records Association as a depository for Manorial Records and for deeds and documents of local interest.

The College provides courses in Arts, Science, Economics and Commerce, Engineering (Civ., Mech., Elec., Aeronautical), Theology, and Music in preparation for the External degrees of the Univ. of London; for entrance into the Civil Service and for 1st-yr. studies in Medicine, Surveying, etc. It is recognized as a Training College for Teachers. The School of Navigation is recognized by the Ministry of Transport. There is special provision for aeronautical instruction (5 ft. wind tunnel); aircraft manufacturing firms in district provide opportunities of keeping in close touch with practical aircraft construction. The College also provides courses in Marine Engineering.

Through its evening classes (attended by about 1000 students) the College performs the function of a Senior Technical Institute.

The Associateship of the College (Assoc. U.C.S.) implies, unless honorary, attendance during 2 yrs. (4 yrs. for evening and part-time students).

There are special courses in Social Studies and Electronics for graduates and others, and diplomas and certificates are awarded.

FACULTIES. Arts, Science, Economics and Commerce, Engineering, Education. *Deans*—Prof. H. Rothwell (Arts); Prof. N. K. Adam (Science); Prof. P. Ford (Econ. and Com.); Prof. A. N. Black (Engin.); Prof. F. W. Wagner (Educn.).

ADMISSION. Candidates aged 17 (though students are advised not to enter below 18) are admitted provided they (1) produce a satisfactory testimonial of good conduct from a headmaster, headmistress or some other responsible person; (2) have either (*a*) passed or obtained exemption from the matricn. examn. of the Univ. of London, or (*b*) hold such qualifications as Senate from time to time may recognize. Each full-time student is placed under the supervision of a member of the Staff, who acts as his Tutor.

Part-time students may in special circumstances be admitted to separate courses without passing an Entrance Examn.

FEES. The annual fee is 30 guineas for Courses in Arts, Commerce, and Music; 35 guineas for Courses in Science; 40 guineas for Courses in Engineering; and £40 for the Teachers' Certificate Course. Students whose parents are ratepayers within the County Borough, Southampton—Arts, Commerce and Music, £23 : 2 : 6; Science, £27 : 11 : 3; and Engineering, £31 : 10s.

Students' Union, composite fee, £3 : 10s. p.a.

EXHIBITIONS AND SCHOLARSHIPS. The College offers annually 9 open Exhibitions (free tuition); 22 open Scholarships; all tenable for 3 yrs. Two of the Scholarships are of the annual value of £100, and the others £70, for students coming into residence. All Scholarships are of the annual value of £40 for non-residential students. The holders are required to pay tuition fees.

POSTGRADUATE AND RESEARCH AWARDS. There are a limited number of postgraduate awards open to graduates of British Commonwealth Univs. and other approved competent persons.

LOAN FUND. A fund is available to assist senior students who are in need of financial assistance.

RESIDENCE. All full-time students must ordinarily reside in one of the Halls of Residence or in approved lodgings, unless they are living with their parents or legal guardians. Fees, men £90; women £85. The provision of lunches and teas is not included in the Hall fees.

APPOINTMENTS BOARD. Secretary—L. E. Tavener, M.A.

ADULT EDUCATION. The Department of Adult Education provides courses covering a wide range of non-vocational subjects for groups of adult students in Hampshire, West Sussex, East Dorset and the Isle of Wight. Extension courses and Tutorial classes are organized under the direction of the Joint Committee for Adult Education. The panel of Extension lecturers and tutors includes members of the College Staff and other approved teachers.

PUBLICATIONS. *Yearbook* (Sept.), 1s.

THE YEAR 1948–49

BENEFACTION. £100 by the late J. S. Furley.

NEW BUILDINGS. Completion of Institute of Education and part of new Hall of Residence.

NEW DEPARTMENT AND POST. A Chair of Electronics and a Dept. of German have been established.

RESIGNATIONS. S. E. Arney (Bot.), on appt. at Univ. Coll. of S. Wales; D. R. Davies (Maths.), on appt. at Univ. Coll., Aberystwyth; Miss D. May (Hist.), on appt. to Camb. Research Fellowship; Dr. R. Fargher (Mod. Langs.), on appt. at Oxford Univ.; Miss G. B. Price (Econ.); Mrs. J. Crook (Hist.); J. L. Murgatroyd (Engin.); Miss P. K. Stewart (Library); Lt.-Com. N. Boyd (School of Navigation).

STUDENTS. Total: 952; full-time: 892; pt.-time: 60; the total includes 281 women and 57 postgraduate students; technical students: 1286; evening students: 1168.

DEGREES. Ph.D., 1; M.Sc., 1; M.Sc. Econ., 1; B.A. Hons., 51, Ord., 22; B.Sc. Special Hons., 39, Ord., 13; B.Sc. Eng. Hons., 53; B.Sc. (Econ.) Hons., 21; B.Com. Hons., 3.

ST. DAVID'S COLLEGE, LAMPETER

Founded 1827

VISITOR—THE LORD BISHOP OF ST. DAVID'S.

PRINCIPAL—Rev. Canon H. K. ARCHDALL, M.A. Camb.

Telephone : Lampeter 42.

Profs.—*Theol.*, The Principal ; *Latin and Greek*, H. A. Harris, M.A. Oxon. ; *Welsh*, Canon W. H. Harris, M.A., B.Litt. Oxon., B.A. ; *Hist.*, D. Dawson, B A. Leeds, M.Litt. Camb. ; *Theology and Hebrew*, ... ; *Philosophy*, Rev. R. J. Tree, M.A. Wales, B.Litt. Oxon. ; *English*, S. C. Boorman, M.A. Lond.

Lectrs.—Rev. F. J. T. David, M.A. Oxon., B.A. (*Hist. and Theol.*) ; F. R. Newte, M.A. Oxon. (*Classics*) ; Rev. T. A. Lewis, M.A. Oxon. (*Philos. and Theol*) ; Rev. H. L. Clarke, M.A. Oxon. (*Theol.*).

The College was founded in 1827 ; it was incorporated by Royal Charter and was later empowered to confer Degrees in Arts and Theol. It was originally founded for the purpose of affording to persons intended for the Ministry of the Church, a liberal education on the lines of that offered by the older Universities. Its Arts Faculty was later recognized by Royal Charter as open to all students, whether ordinands or not. Residence for nine full terms and the passing of three examns., conducted by examiners appointed by Oxford and Cambridge, are requisite for the degree of B.A., ten terms for B.D.

POSTGRADUATE STUDY. There is a Theological Hall for the study of Theol. by graduates.

A License 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 License is accepted as an alternative to the Genl. Ordination Examn. of the Church of England.

SCHOLARSHIPS. Scholarships to the total annual value of £1000 are offered. The Dillwyn Llewelyn Trust provides £170 p.a. from which scholarships are granted to students proceeding to Oxford or Cambridge under the 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 School Certif. 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 five-credit Matricn., incl. Engl. Language and either Latin or Maths., plus three other credits, one of which must be a language other than English, if Latin is not taken. Further particulars from the Principal.

STUDENTS (1949–50), 166.

DEGREES, 1949 : B.A., 31 ; 1950 : B.A., 34, B.D., 1.

THE SCOTTISH UNIVERSITIES

ST. ANDREWS ABERDEEN
GLASGOW EDINBURGH

IN CONSTITUTION these 4 Universities have, under the operation of the Univs. (Scotland) Acts 1858 and 1889, been to a great extent assimilated. By the former Act 2 new bodies, called the Univ. Court and General Council, were instituted; by the latter Act a Committee of H.M.'s Privy Council was constituted, and an Executive Commission was created with extensive powers, which it continued to exercise till the end of 1897. These Commissioners issued ordinances, *inter alia*, for degrees, for the instruction and graduation of women, for special study and research, and for the constitution of a Students' Representative Council with power to petition the Senatus Academicus and the Univ. Court.

The *Chancellor* is elected (for life) by the General Council, of which he is President. He is empowered to nominate a *Vice-Chancellor*, who may confer degrees in his absence, but cannot discharge any other of his duties. The Vice-Chancellorship is at the present time held in each Univ. on the Chancellor's nomination by the *Principal*, who is appointed to the Principalship by the Crown (except in Edinburgh) and is President of the Senatus Academicus, and, in the absence of the Rector, of the Univ. Court. The *Rector* is elected every 3 years by the matriculated students. He is the official President of the Univ. Court.

The *University Court* consists of the Rector, Principal, the Lord Provost of the City (in St. And. the Provost of St. Andrews and Lord Provost of Dundee), and Assessors appointed by the Rector, Chancellor, Senatus, General Council and (except in St. Andrews) Town Council. In St. Andrews the Principals of St. Mary's Coll. and Univ. Coll., Dundee, are also included in it. There is provision for the representation of other affiliated Colleges. The Court, a body corporate with full power to administer the property belonging to the Univ., is a Court of Appeal from the Senatus and has power, since the expiration of the powers of the Commrs. under the Act of 1889, to found new chairs with the approval of the Univs. Committee and make other ordinances with the approval of H.M. in Council. It has, *inter alia*, powers to appoint professors whose chairs are in the patronage of the Univ., examiners and lecturers; to define the nature and limits of a professor's duties under his commission; and to recognize for graduation purposes the teaching of any College or individual teacher, under the regns. providing for such recognition.

The *Senatus Academicus*, consisting of the Principal, the whole of the Professors, and certain elected Readers and Lecturers, is entrusted with the regulation and superintendence of the teaching and discipline of the Univ. The administration of the Libraries and Museums is entrusted to Joint Committees elected two-thirds by the Senatus and one-third by the Court.

The *General Council* consists of the Chancellor, the members of the Univ. Court, the Profs., such Lecturers and Readers as have held office for a year, and the Graduates of the Univ. It meets twice a year and may hold special meetings at the instance of the Chancellor. Proposed improvements in the arrangements of the Univ. must be submitted to the Council for their consideration.

FACULTIES. In all the Univs.—Arts, Science, Divinity, Medicine (St. Andrews, Glasgow and Edinburgh—Dept. of Dentistry). In all except St. Andrews (which has only a department)—Law. In Edin.—Music (Glasgow and Aberdeen have departments and offer degrees in Music). In Glas.—Engineering (Edin., St. And. and Aberd. have departments and offer degrees in Engineering, although not a separate Faculty).

TERMS. The academic year is divided into three terms—Oct. to Christmas, Jan. to March, April to June or early July.

ADMISSION. *See* Appendix I.

DEGREES and courses leading thereto (v. also pp. 5 ff.). The *M.A.* (ordinary) course (there is no B.A.) extends over 3 yrs. and includes (for ordinary degree) subjects from 3 of the 4 departments of the Faculty, namely, Lang. and Lit., Ment. Philos., Science, Hist. and Law. (There are further restrictions at St. Andrews and Edinburgh.) A candidate for the degree must not only have regularly attended, but also have duly performed the work of the classes in the qualifying courses. The first 2 yrs. may be taken in any of the Scottish Univs. The Senatus may accept attendance given and examns. passed at other Univs. specially recognized for the purpose, if qualifying courses for at least 2 yrs. (St. And. and Edin., 1 yr.) are attended and the Degree examns. are passed in the Univ. granting the degree. For the purpose of reckoning duration of study an academic yr. is constituted by attendance on at least 1 course (Glas. and St. And., 2 courses) of study in each of the 3 terms. For M.A. (Hons.) 4 yrs.' study is generally required.

The *B.Phil.* and *B.Litt.* are conferred only by St. And. A candidate for the Degree of B.Phil. must take the M.A. before it, and a candidate for the Degree of B.Litt. must take the Degree of M.A. before or along with it. The standard of the Final examn. is that of the M.A. Honours.

The *B.Com.* conferred by Edin. may be taken, under conditions as to place of study similar to those for the M.A., after courses covering at least 9 terms.

The *B.Ed.* or *Ed.B.* involves a 2 yrs.' course subsequent to the first 3 yrs. of study for a previous degree, in addition to professional training or experience as a teacher.

The practical part of the training of students preparing for the Teaching Profession is provided by the several Provincial Committees, which likewise recognize attendance at Univ. classes as qualifying in part for their certificates.

The *B.Sc. in Pure Science.* The course for the ordinary degree covers 3 yrs. and includes from 6 to 9 courses, of which 4 or 5 (St. And., 2) must be taken in the Univ. which is to grant the degree. The other courses may be taken in other Univs. or Institns. approved, or under

teachers recognized for this purpose, by the Univ. Court. The degree with Honours, which may be taken in any of the various branches, requires 4 yrs., and is of a standard not less high than that required for M.A. (Hons.).

The *B.Sc. in Applied Science* can be obtained as follows : Engineering (St. And., ord., 3 yrs., hons., 4 yrs. ; Edin., ordinary and honours, both 3 yrs. ; Glas., 4 yrs., the branches in which honours are obtainable being Civ., Mech., Elec., Mining, and Chemical E., and Naval Archit. ; Aberd., Civ., Mech., Elec., ordinary 3 yrs. ; and honours 4 yrs.). Mining Engineering (Edin., ordinary and honours, 4 yrs). Applied Chemistry (Glas , honours, 4 yrs.). Technical Chemistry (Edin., ordinary and honours, 4 yrs.). Architecture (Glas., honours, 4 yrs.). Agric. (Aberd., Edin. and Glas., ordinary, 3 yrs., honours, 4 yrs.). Forestry (Aberd., ordinary, 3 yrs. ; Edin., ordinary, 3 yrs., honours, 4 yrs.). Pharmacy (Glas., 4 yrs.). Public Health (Glas., 2 yrs. after graduation in Med.). Vet. Sc. (Edin., 4 yrs.).

Higher Degrees in Arts and Science. The D.Sc. in Pure Science, in Engin. (Edin., Glas., St. And.), Pub. Health (Glas), Mining (Edin.), Tech. Chem. (Edin.), Agric. (Edin), Forestry (Edin), and the D Litt. are open to graduates of 5 yrs.' standing ; D.Sc. in Vet Sci. (Edin) to graduates of 3 yrs.' standing A thesis is required and, except in the case of a graduate of a Scot. Univ. with an Honours degree (St. And., an Honours graduate of the Univ granting the degree), research under supervision extending over 2 winter sessions in the Univ. which is to grant the degree. These degrees are never granted *honoris causa*

Divinity. The B.D. examn. of any of the Univs. is open to a graduate in Arts of a Scottish or other approved Univ. or the holder of any Univ. Degree or Diploma recognized as an equivalent by the Univ. Court who has completed his Theol. course (3 yrs.), of which not less than 2 yrs. has been in the Univ. in which he proposes to take the B.D. All the examns. must be passed at the Univ. granting the Degree. The D.D. is honorary. The Gifford Lectures in Natural Theology are open to the general public.

Law. The B.L. course (3 yrs.) is open to students who have passed the Prelim. or its equivalent. Candidates for the degree must produce evidence of a sufficient knowledge of Latin before entering the Class of Civil Law. The LL.B. (3 yrs.) is open to graduates in Arts of a Univ. of the U.K. or any other specially recognized.

Of the B.L. course 1 yr. and of the LL.B. 2 yrs. may be spent in any specially recognized Univ. or School of Law.

St. And. at present provides full courses for the degree of B.L. only.

The LL.D. is honorary.

Medicine. Three of the requisite 6 yrs. of medical study for the M.B. and Ch.B. may be spent in any Univ. of the U.K. or other Institn. specially recognized for the purpose or under a teacher recognized by the Univ. A candidate who has at any such Univ. completed a course and passed an examn. in Chem., Physics or Biology qualifying for a degree in Science, Arts or Med., may be exempted by the Senatus from the corresponding part of the M.B., Ch.B. examns. Aberd., Edin. and

St. And. extend this concession to courses and examns. in Anatomy and Physiology qualifying for a degree in Science (St. And.—or Arts or Med.; Edin.—or Med.).

A graduate in Medicine of at least 24 yrs. of age who has, subsequent to graduation, been engaged for at least 1 yr. in attending the Med. (or Surg.) wards of a hospl., or in scientific work bearing directly on his profession, or in the Naval, Milit., Colonial (Aberd., Edin., Glas.), or, for the M.D. (St. And.—M.D. or Ch.M.), Pub. Health Med. Services, or 2 yrs. in practice not restricted to Surg. (or Med.), and passed the prescribed examn. and submitted a satisfactory thesis, may be admitted M.D. or Ch.M. as the case may be.

Dentistry. *See under* Glasgow, St. Andrews and Edinburgh.

Ph.D. *See* p. 16.

Previous to the institution of a Ph.D. degree (Aberdeen, March 24, 1921, Edinburgh, November 25, 1919; Glasgow and St. Andrews, August 18, 1919), a Doctor of Philosophy degree, D.Phil., was conferred.

FEES. *See under* the separate Universities.

RESEARCH OR SPECIAL STUDY may be prosecuted in a Univ. under supervision by persons suitably qualified, whether graduates or not, admitted by the Senatus. Access to and the use of the Univ. laboratories, etc., may be obtained on such conditions as to payment and otherwise as the Univ. Court may determine. The title of Research Fellow may be conferred with or without a stipend on specially distinguished research students.

SCHOLARSHIPS. Adequate provision is made for affording Univ. instruction and maintenance to students of small means in Scotland. Besides the Carnegie Trust benefactions (v. *infra*) and the numerous bursaries, etc, awarded by the Universities and the Trustees of unattached educational endowments, all Scottish Education Authorities are empowered to grant awards, in accordance with regulations made by the Secretary of State for Scotland, for the purpose of enabling persons belonging to their areas to take advantage, without hardship to themselves or their parents, of any educational facilities available to them. For the academic year 1948–49, 6897 awards, value £587,331, were made in respect of bursaries tenable at Universities and central institutions.

Scholarships, etc., for Graduates. The following are open to graduates of all the Scot. Univs.: (1) Carnegie Scholarships (£150) and Fellowships (£250) and grants in aid of Research. Application forms supplied by the Carnegie Trust, 22 Hanover St., Edinburgh. (2) Ferguson—six of £150 each for 2 yrs. for graduates in Arts. Ferguson Bequest Fund, 94 Bath St., Glasgow. (3) M'Cunn—four of £200 for 1 yr., for medical research. M'Cunn's Trustees, 160 West George St., Glasgow. (4) Shaw Philosophical—£215 for 3 yrs. for graduates in Arts (in the Patronage of Edinburgh Univ.). (5) Black—in Greek, £196 for 1 yr. for graduates in Arts distinguished in the B.D. examns. (6) Hume Brown—in Scottish History, Junior prize of £25 awarded annually, open to students; Senior prize of £150 biennially, open to graduates; managed by the Univ. of Edin. (7) Maclean (Semitic

Languages), £175 for 1 yr. for graduates in Arts preparing to enter the Ministry of the Church of Scotland ; managed by the Univ. of Glasgow. (8) Crombie (Biblical Criticism), £35 for 1 or 2 yrs. for graduates in Arts with First Class Hons. in Classics ; managed by St. Andrews. (9) Shaw Macfie Lang, £200 for 2 yrs., for Hons. Graduates in various Faculties in rotation ; (10) 7 Richard Brown, £64 for 1 yr., for graduates or undergraduates of any Univ., in various Faculties in rotation ; managed by Edinburgh. (11) Black—in Divinity, £196 for 1 yr. for graduates in Arts distinguished in the B.D. examns. (12) Henderson Research, £250 for research into Nervous and Mental Ailments. Sec. to Trustees, 190 West George St., Glasgow, C.2. (13) Keith—£100 (2) for 2 yrs., (Divinity), for graduates in Arts (in patronage of Edinburgh Univ.). (14) Stevenson Exchange—in German (£110), in French (£110), and Spanish (£75), for graduates or undergraduates under 25 yrs. of age.

CARNEGIE TRUST FOR THE UNIVERSITIES OF SCOTLAND. Offices at Merchants' Hall, 22 Hanover Street, Edinburgh Secretary and Treasurer : John R. Peddie, C.B E., D.Litt.

The annual income of the Trust is about £123,000, one half of which is devoted to (A) the improvement and expansion of the Universities of Scotland in the faculties of Science, Medicine, History, Economics and Mod. Langs., and extending opportunities for postgraduate study and research ; the other half to (B) assisting Scottish students in the payment of Univ. class fees. Any surplus not required for (B) in any year is to be devoted to (A) Institutions in Scotland recognized by the Executive Committee of the Trustees as preparing students for graduation or as providing technical education of Univ. level are entitled to participate as regards (A) and their students as regards (B). Any surplus not required for (A) or (B) may be devoted to Univ. Extension work.

By a recent decision of the Trustees, assistance in the payment of class fees is now confined to persons who do not hold bursaries awarded by local Education Authorities. The minimum requirement for assistance is three passes on the higher grade in the Leaving Certificate or equivalent examination. Special consideration is, however, given to applicants over 21 yrs. of age who may not be able to fulfil that requirement. Class fees paid for 1948–49 : St. Andrews—£3087 for 196 beneficiaries ; Glasgow—£11,572 for 764 beneficiaries ; Aberdeen—£7161 for 483 beneficiaries ; Edinburgh—£9434 for 624 beneficiaries ; Total —£31,254 for 2067 beneficiaries.

The annual report of the Executive Committee contains reports on work of the beneficiaries under the Research Scheme and lists of papers published by them. Research Fellowships, Scholarships and Grants awarded for 1948–49 amounted to £26,820.

Under the Quinquennial Scheme of Distribution for the period from Oct. 1, 1947, to Sept. 30, 1952, there has been allocated a sum of £270,000, distributed annually thus : St. Andrews centre—£9400 ; Glasgow—£17,000 ; Aberdeen—£11,000 ; Edinburgh—£16,600. These " centres " include certain extra-mural Colleges to which, in all, grants of £7200 were made.

UNIVERSITY OF ABERDEEN

Founded 1494

CHANCELLOR—.....

VICE-CHANCELLOR AND PRINCIPAL—THOMAS MURRAY TAYLOR, C.B.E., K.C., M.A., LL.D.

RECTOR—The Right Hon. JOHN NORMAN STUART BUCHAN, BARON TWEEDSMUIR OF ELSFIELD, O.B.E , LL.D.

SECRETARY TO THE UNIVERSITY—H. J. BUTCHART, D.S.O., T.D., D.L., B.L.

LIBRARIAN, CLERK, AND REGISTRAR OF GENERAL COUNCIL—W. D. SIMPSON, M.A., D.Litt.

Telephone : Secretary's Office—Aberdeen 24367.

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.
Hamilton, G. F., B.Sc., M.B., Ch B Lectr
Fyfe, Forest W , M.A., M.B., Ch.B. Lectr.
McKenzie, J., M.B., Ch.B. Lectr.
Purser, G. L., M A. Camb. (Embryol.) Lectr.
MacLean, H. R. C., M.B., Ch.B. Asst.
Ironside, W. M. S., M.B., Ch.B. Asst.
Findlater, A. G. C., M.B., Ch.B. Asst.
Clark, G. O., M.B., Ch.B. Asst.
McNair, G. P., M.B., Ch.B. Asst.
Low, A., M.A., M.D., LL.D. (Anthropometry) Res. Fellow.

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.
McKail, J. E., B.Sc., Ph.D. Edin. 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.
Faulks, P. J., M.A. Camb. Lectr.
de Kock, P. C., M.Sc. Cape T., D.Phil. Oxon. Lectr.
Gimingham, C. H., M.A. Camb., Ph.D. Lectr.
Whinfield, Barbara, M.Sc. Manc. Asst.
Duckworth, R. B., B.Sc. Leeds Asst.
Adam, Olive B., B.Sc. Asst.

Somerville, Mrs. Alice H., M.A., B.Sc. Pt.-time Asst.

Celtic and Comp. Philology

Macdonald, John, M.A. Reader.
Mackenzie, Annie M., M.A. Asst.

Chemistry, v. also Agric , *infra*

Barrer, R. M., M.Sc., D Sc. N.Z., Ph.D., Sc.D. Camb , F.R I.C Prof.
Strathdee, R. B , O.B.E., T.D., Ph.D. Camb., M.A., B.Sc., F.R.I.C. Reader
Humphries, J. E., B A Lond. and Camb., M.Sc. Wales, Ph D. Lond., D.Sc. Lectr.
Thompson, J. M. C., D.Phil. Oxon., M.A , B.Sc , F.R.I.C. Lectr.
Thomson, R. H., B.Sc., Ph D Leeds Lectr.
Moser, W., B.Sc. Lond. Lectr.
Meares, P., M.A., Ph.D. Camb Lectr.
Mackay, Muriel H., B Sc., Ph D. Asst.
Addison, W. E., B.Sc. Glas. Asst.
Bruce, D. B., B.Sc. Asst.
Singleton, J. H., B.Sc., Ph.D. Lond. Asst.

Chemistry, Clinical, v. *infra*

Classics : Greek

Cameron, A., M.A. Glas., B.A. Oxon. Reg. Prof.
Thomson, G. H., M.A. Oxon. Temporary Lectr.

Classics : Latin

Noble, P. S., M.A. Camb. and Aberd. (Humanity) Reg. Prof.
Raven, E. J. P., M.A. Camb. Lectr.
..... Lectr.
Reece, David W., M.A. Oxon. (Ancient History) Lectr.
Innes, Mary M., M.A. Glas. and Oxon. Asst.
Noble, Mrs. Mary, M.A. Pt.-time Asst.

Divinity, v. *infra*

Economics, v. Pol Econ.

Education

Walker, N. T., O B E., M.A., Ed.B., Ph.D. Glas. Reader.
Nisbet, J. D., M.A., B Ed. Edin. Lectr.

Engineering

Allen, J , D Sc Manc. Jackson Prof.
Grassie, J. C , B.Sc. (Eng.) Glas., D.Sc (Civil and Forest E.) Reader
Taylor, G. A , M A., B.Sc , Ph.D. (Civil E.) Lectr.
Eastwood, W., B Eng. Sheff., Ph.D. (Civil E.) Lectr.
Brebner, A , B Sc. (Eng) Lectr.
Wright, W., B Sc. (Eng.) Glas. Lectr.
Jones, R. P. N., M.A., Ph.D. Camb. Lectr.
Wilkinson, E., B.Sc (Eng.), Ph.D Liv (Elect. E.) Pt.-time Lectr.
Edmond, A D , B.Sc. (Eng) Lond (Mech. E) Pt -time Lectr.
Stewart, J D , M.A. (Engineering Maths.) Pt.-time Lectr.

Pt.-time Assistants

Bennett, J. A., B.Sc. (Eng.) Edin. (Elect. E.).
Chisholm, J A (Mech. and Agric. E.).
Colmar, G. C., B.Sc. (Eng.) Glas. (Elect. E).
Davies, E. F., B.Arch Liv. (Agric E).
Hendrie, R. A., B.Sc. (Eng.) Lond. (Mech. E.).
Dorward, L. F., B.Sc. (Eng.) Lond. (Elect. E.).
Corrie, J. M., B.Sc. (Eng.) Lond. (Mech. E.).

English

Bickersteth, G. L., M.A. Oxon. Reg. (Chalmers) Prof.

Robertson, A. Jane, M.A. St. And., Ph.D. Camb. (E. Lang.) Reader.
Lothian, J. M., M.A. Glas. Lectr.
Walker, R. S., M.A. Aberd. and Camb. (E. Lit) Lectr.
McDiarmid, M. P., B. Litt. Oxon., M A. Glas. (E. Lit) Lectr.
Holloway, C. J., M.A., D.Phil. Oxon. Lectr
Wason, P. C., B A. Oxon. Asst.
Keir, W. A. S., B Litt. Oxon., M.A Asst
Murison, D D , M.A. (Scot. Dialect) Res. Fellow.
Aitken, A. J., M.A. Edin. (Older Scott. Tongue) Res. Fellow.

Fish Technology

Reay, G. A., O.B.E., Ph.D. Camb., M.A., B.Sc Hon. Res. Lectr.

Forestry, v. also Engin.

Steven, H. M., M.A. Oxon., B.Sc., Ph D. Prof.
Laing, E. V , M.A., B.Sc (For.), D.Sc. Reader.
McNeill, W. M., M.B E., M.A., Dip. For. Oxon., M.S. Yale Lectr.
Davis, P. W., B A , Dip. For. Camb. Lectr.
Crooke, M., B.Sc. (For.) Edin. Asst.

French

Roe, F. C., M.A Birm., L. ès L. Lyon, D. de l'U. Paris, Chev. Lég. d'H. Prof.
Stoker, J. T., M.A Leeds, D. de l'U. Paris Lectr.
Abrioux, O., L. ès L. Paris, Ph.D. Lectr.

Assistants

Mailer, W., M.A. Edin.
Paris, J. G. P., L. ès L. Paris.

Pt.-time Assistants

Bonsergent, Yvonne, L. ès L. Bordeaux.
Fages, Marie-Louise, L. ès L. Rennes.

Geography

O'Dell, A. C., M.Sc. Lond. Reader.
Fisher, W. B., B.A. Manc., D. de l'U. Paris Lectr.
Walton, K., M.A. Edin. Lectr.
Kirk, W., B.A. Lond. Lectr.
Day, Winifred M., M.A. Asst.

Geology

Phemister, T. C., D Sc. Glas., Ph.D. Camb., M Sc. Chic Kilgour Prof.
Pringle, A. K , B Sc. Glas. Lectr
Fraser, W. E., M.A., B.Sc. Lectr.
Farquhar, O. C., M.A. Oxon. Lectr.
Bennison, G. M , B.Sc Durh. Lectr.

German

Witte, W , M A Lond , Dr. rer. pol Breslau, Ph.D. Reader.
Barber, C. C., M.A. Oxon., D.Phil. Giessen Lectr.
Kenworthy, B. J., B.A. Brist. Asst.
Lindsay, J. M , M.A , Ph.D Asst.

Hebrew and Semitic Langs.

Kennedy, Rev. A. C , M.A., B.D., D D Edin. Prof.
Alexander, A. D., M.A., B.D. Edin. Lectr.

History, v. also Law, Theol.

Black, J. B., M.A. Glas. and Oxon., LL.D. Glas., F.R.Hist.S. Burnett-Fletcher Prof.
Henderson, J. M., M.A. Edin. (Brit. Hist.) Lectr.
Edwards, Kathleen, M.A. Lond., Ph.D. Manc. (Med. H.) Lectr.
Thornton, A. P., M.A. Glas. (Br. Col. and Dom. H.) Lectr.
Humphries, W., M.A. (Sc. H.) Lectr.
Anderson, A. H., M.A. Edin. Asst.
Blackley, F. D., M.A. Tor. Asst.
Mackintosh, J. M., M.A. Pt.-time Asst.

International Relations

Rose, S., M.A. Oxon. Lectr.

Law, v. *infra*

Logic

Ferguson, A. S., M.A. St. And. and Oxon., LL.D. St. And. Reg. Prof.
Bednarowski, W., D.Phil. Cracow Lectr.

Mathematics

Wright, E. M., B.A. Lond., M.A., D.Phil. Oxon. Prof.
Macintyre, A. J., B A., Ph.D. Camb. Lectr.
Potter, H. S. A., M.A., D.Phil. Oxon. Lectr.
Goddard, L. S., B.Sc. Syd., Ph.D. Camb. Lectr.
Bowen, N. A., B.Sc. Lond., M.Sc. Wales, Ph.D. Lectr.
Hayes, N. D., B.Sc. Reading Lectr.
Ponting, F. W., M.A. Oxon. Lectr.
Macintyre, Mrs. Sheila, M.A. Edin., B.A. Camb., Ph.D. Lectr.
Walker, Anne C. E., M.A. Edin. Asst.
Cockcroft, W. H., M.A. Oxon. Asst.

Medicine, v. *infra*

Music

Swainson, S. W., M.A., F.R.C.O. Reader.
Bullock, Mary, Mus.B. Durh. Asst.

Natural History

Wynne-Edwards, V. C., M.A. Oxon., F.R.S.Can. Reg. Prof.
Neill, R. M., M.C., M.A. Glas., D.Sc. (Zool.) Reader.
Carrick, R., B.Sc. Glas., Ph.D. Edin. (Agr. Zool.) Lectr.
Begg, C. M. M., Ph.D. Birm., M.A., B.Sc. Lectr.
Munday, K. A., B.Sc. Manc., Ph.D. Asst.
Symmons, Saida, B.Sc. Leeds, Ph.D. Asst.
Orkin, P. A., B.Sc. McG. Asst.
Dunnett, G. M., B.Sc. Asst.

Philology, Compar., v. Celtic

Philosophy, Moral

MacKinnon, D. M., M.A. Oxon. Reg Prof.
Wright, D. H., B.A. Oxon. Asst.

Philosophy, Natural

Jones, R. V., C B , C.B.E., M.M. (U.S.A.), M.A., D.Phil. Oxon., F.Inst.P., F.R.A.S. Prof.
Geddes, A. E. M., O.B.E., M.A., D Sc. Reader.
Griffith, H D , B.A. Camb Lectr.
Swindell, G. E., M Sc. Belf (Medical Physics) Lectr.
Strachan, C., Ph.D. Camb , M.A. Aberd. and Camb (Math. Physics) Lectr.
Holbourn, A. H. S., M.A. Edin., D.Phil. Oxon. Lectr.
Stevenson, R. W. H., B.A. Oxon. Lectr.
Landsberg, P. T., M.Sc., Ph.D. Lectr.
Duncanson, A., B.Sc. Edin. Lectr.
Richards, J. C. S., B.Sc. Lectr.
Jones, D. A., B.Sc. Wales Lectr.
McLachlan, N. W., D.Sc. Lond. Lectr.

Assistants

Jolly, W. C., M.A.
Paul, W., M.A.
Smith, A. M., M.A.
Runciman, W. A., B.Sc. Edin.
Smith, T., B.Sc., Ph.D. Leeds.
Bain, W. C., M.A., B.Sc.
McCombie, C. W., M.A.
Abraham, D., B.Sc. Wales.

Physiology

Cruickshank, E. W. H., D.Sc. Lond., Ph.D. Camb., M.D. Reg. Prof.

Kosterlitz, H. W., M.D. Berlin, Ph.D., D.Sc.
(Human and Exper.) Lectr.
Cuthbertson, D. P., M.D., D.Sc. Glas
(P. of Nutrit.) Pt.-time Research Lectr
Innes, I. R., M B., Ch.B. Lectr.
Pirenne, M. H. L., Dr. ès Sc. Liège, Ph.D. Camb. Lectr.
Denton, E. J., B.A. Camb , B.Sc. Lond. Lectr.
Taylor, D W , M.B., Ch B. Lectr.
Campbell, Rosa M., B Sc.
Private Research Asst.

Political Economy

Hamilton, H , M A., D.Litt. Glas.
Jaffrey Prof.
Macdonald, Annie, M A. Lectr.
Hampson, Ethel M H , M.A. Liv , Ph D. Camb (Econ. H.) Lectr.
Noble, T. A. F., M.A. Lectr.
Munby, D. L., M.A. Oxon. Lectr.
Smith, J. H., M.Sc. Wales (Agr. Econ.) Lectr.
Taylor, P. A. M., M.A. Camb. (Econ. H.) Asst.
Evans, Gwenllian, M.A. Wales
Res. Fellow.
Molland, R., B.A. Camb.
Res. Fellow.
Rowntree, Anna G. B., M.A. Oxon. (Nuffield Fellowship)
Res. Fellow.

Political Theory

Burns, J. H., M.A. Edin. Lectr.

Psychology

Knight, A. R., M.A. Syd. and Camb. Anderson Prof. ..... Lectr.
Knight, Mrs. Margaret, B.A. Camb.
Pt.-time Lectr.
Fraser, Elizabeth D., M.A., Ed.B. (Social Psychol.) Lectr.

Spanish

Parker, A. A., M.A. Camb.
Reader.
Dunn, P. N., M.A. Lond. Asst.
Gilabert, P., B.A. (Com.) Manc.
Pt.-time Asst.

Statistics

Quenouille, M. H., M.A. Camb., F.S S. Lectr.
Marriott, F. H. C., B.A. Camb.
Asst.

Theology, v. Divinity, *infra*

Zoology, v. For., Nat. Hist.

Agriculture

(v. also Acctg., Engin. and, *infra*, North of Scotland Coll of Agr.)

Bywater, T. L., B.Sc. Wales, M.Sc. Wisc.
Strathcona-Fordyce Prof.
Fraser, A. H. H., B.Sc., M.D.
Lectr.
Barnett, A. J. G., B.Sc., Ph.D. Edin. (Agr. Biochem.) Lectr.
Donald, G., B.Sc. (Agr.)
Pt.-time Lectr.
Findlay, W. M., B.Sc. (Seed Testing) (Temp.) Pt.-time Asst.
Bain, R , B.Sc. (Agr.) Glas
(Temporary) Pt.-time Asst.
Dodsworth, T. L., B.Sc. Agr. Leeds
Pt.-time Asst.

Agric. Book-keeping

Imper, A. D., M.B.E., B.Sc. Wisc., B.Sc. (Agr.), Ph.D.
Pt.-time Lectr.

Agric. Chemistry

Hill, Alfred, B.Sc., B.Sc. (Agr.)
Pt.-time Lectr.
Moore, W., B.Sc. (Agr.), D.Sc.
Pt.-time Asst.

Agricultural Law

Wilson, N. J., M.A., LL.B.
Pt.-time Asst.

Soil Science

McArthur, D. N., D.Sc., Ph.D. Glas., F.R.I.C. Pt.-time Research Lectr.
Williamson, W. T. H., Ph.D., B.Sc., F.R.I.C. Lectr.
Laing, Donald, B.Sc. Asst.

Veterinary Hygiene and Agr. Bacteriology

Grant, J. C. Pt.-time Lectr.

Divinity

Henderson, G. D., D.D, M.A, D.Litt. Glas. (Church Hist.) Prof.
Graham, J. M., M.A. Glas. (Systematic T.) Prof.
Macleod, J., M.A. Glas., D.D. Halifax (Christian Dogmatics) Prof.
Hunter, A. M., M.A., B.D., Ph.D. Glas., D.Phil. Oxon. (Bibl. Crit.) Prof.
Cairns, D. S., M.A. Oxon. (Syst. T.) Pt.-time Lectr.
Neil, W., M.A., B.D, Ph D. Glas. (Bib. Study) Lectr.
King, A. C., M.A., B.D. Glas. (Bib. Study) Asst.

Law

Smith, T. B., M.A. Oxon. Prof.
Milne, A., B.L. Pt.-time Asst.
Richards, W. L., M.A., LL.B. Pt.-time Asst.
Ellis, R. T., M.A., LL.B. Pt.-time Asst.

Comparative Law

Fackenheim, J., Dr. jur. Halle Pt.-time Lectr.

Constit. L. and Hist.

Cruickshank, J. S. R., B.A. Camb., LL.B. Edin. Pt.-time Lectr.
Pattullo, W. O., M.A., LL.B. Pt.-time Asst.

Conveyancing

MacRitchie, F., M.A., LL.B. McLennan Prof.

Internat. L., Public and Private

Mackinnon, L., D.S.O., M.A., LL.B. Pt.-time Lectr.

Mercantile Law

Ramsay, F., B.L. Glas. Pt.-time Lectr.

Procedure and Evidence

Hay, A. L., M.A., LL.B. Pt.-time Clark Lectr.

Roman Law

Cramb, M., M.A., LL.B. Pt.-time Lectr.

Medicine

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

Bacteriology

Cruickshank, J., C.B.E., M.D. Glas. Prof.
Menzies, R. F., M B, Ch B. Lectr.
Fraser, K. B., M.B., Ch.B. Lectr.
Jamieson, S., Ph.D. (Agr. and Dairy B.) Lectr.
Stuart, Jean E., M.B., Ch B. Asst.
Smith, John, D.Sc., M.D., D.P.H., F.R.C.P. Pt.-time Lectr.

Chemistry, Clinical

Green, J., B.Sc., M.B., Ch.B. Glas. Lectr.
Lyall, Alex., M.A., M.D., F.R.C.P. Pt.-time Lectr.
Bowman, W., M.A., B.Sc., M.B., Ch.B. Asst.
Auld, W. H. R., M.B., Ch.B. 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.
Burrell, Joan M., M.B., Ch.B. Asst.

Children, Surgical Diseases of

Bruce, G. G., M.B., Ch.B., F.R.C.S. Pt.-time Lectr.

Davidson, S. G., M.A., M.B., Ch.B., F.R.C.S. Pt.-time Lectr.
Logie, N. J., M.B., Ch.B., F.R.C.S. Pt.-time Lectr.

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.
McNaughtan, Ian P. J., M.B., Ch.B., F.R.C.S. Ed. Pt.-time Asst.
Thomson, Ivan S. D., M.B., Ch.B., F.R.C.S. Ed. Pt.-time Asst.

Forensic Med. (incl. Med. Ethics)

Richards, R., M.A., M.D., D.P.H., F.R.C.S. Ed. Pt.-time Lectr.
Macdonald, T. J. C., M.D., Ph.D. Pt.-time Asst.

Materia Medica

Campbell, D., M C., M.A., B.Sc., M.D. Glas , F.R.F.P.S. Glas. Reg Prof.
Morgan, T. N., M D. Lectr.
Landgrebe, F. W., B.Sc. Lond., D.Sc. (Exper. Pharmacol.) Lectr.
Munro, D. S., M.B., Ch.B. (Nat Service) Asst. to Reg. Prof.

Medicine

Fullerton, H. W., M.A., M.D. Reg. Prof.
..... Lectr.
Macleod, M., M.B., Ch.B. Lectr.
Robson, T. O., M.B , Ch.B. (Anæsth.) Pt.-time Lectr.
Duthie, R. J., M.D. (Clin. Med.) Pt.-time Lectr.
Gordon, I., O.B.E., B.Sc., M.B., Ch.B., F.R.C.P. (Clin. Med.) Pt.-time Lectr.
Gauld, W. R., M.D. (Clin. Med.) Pt.-time Asst.
Needham, C. D., M.D. (Clin. Med.) Pt.-time Asst.
Duguid, Helen L. D., M.B., Ch.B. Asst.
Manson, Doris I., M.B., Ch.B. Asst.

Mental Diseases

Wyllie, A. M., B.Sc., M.D. Glas., Dip. Psych. Edin. Pt.-time Lectr.

Pt.-time Assistants

Raitt, W. J., M.B., Ch.B.
Maclean, Helen C. S., M.B., Ch.B.

Mental Health

Millar, W. M., M.D., Dip. Psych. Edin. Crombie-Ross Prof.
Valentine, M. G., M.D. Lectr.
Boyd, P. S., M.A. Asst.
Whyte, Marion B. H., M.A. Edin. Asst.

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 (Infant Mortality) Lectr.
Davidson, G. S , M.A., M.B., Ch.B., F.R.C.S. Ed., F.R.C.O.G. (Clin.) Pt.-time Lectr.
Wyper, J. F. B., B.Sc., M.B., Ch.B. Glas. (Clin. Gynæcol.) Pt.-time Asst.

Ophthalmology

Law, Beatrix B , M.A., M.D., D.O. Pt.-time Lectr.

Pt.-time Assistants

Mutch, J. R., M.D.
Cockburn, C., M.B., Ch.B., F.R.C.S. Ed.
Milne, W. S., M.B., Ch.B.

Pathology

Young, J. S., M.C., M.A., B.Sc., M.D. Glas. Reg. (Wilson) Prof.
Lumsden, C. E., M.D. Lectr.
Stalker, A. L., M.B., Ch.B. Lectr.
Scott, G. B. D., M.B., B.S. Lectr.

Shivas, A. A., M.B., Ch.B., D.P.H. Asst.
Watt, J., M.B., Ch.B. Asst.
Hendry, W. T., M.B., Ch.B. Asst.
..... Georgina McRobert Research Fellow.

Public Health and Infectious Diseases

Berry, D. W., M.C., M.D., D.P.H. Reader.
Mair, A., M.B., Ch.B., D.P.H. Lectr.

Pt.-time Lecturers

Rae, H. J., M.C., M.A., M.B., Ch.B., D.P.H.
Mitchell, Mabel E., B.Sc., B.L., M.B., Ch.B., D.P.H. Glas. (Mother and Child Welfare).
Doig, A. T., M.D., D.P.H. St. And. (Factory Hyg.).
Chambers, W., M.B., Ch.B. Glas. (Infect. Diseases) Pt.-time Asst.
Anderson, T. E., M.D. (Diseases of the Skin).

Radio-Diagnostics

Levack, D. P., C.B.E., T.D., M.B., Ch.B., D.M.R. and E. Pt.-time Lectr.

Surgery

Wilson, W. C., M.B., Ch.B., F.R.C.S. Ed. Reg. Prof.
Woodruff, M. F. A., M.D., M.S. Melb., F.R.C.S. Lectr.

Pt.-time Lecturers

Gowar, F. J. S., V.R.D., 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., F.R.F.P.S. Glas, M.Sc. McGill (Neuro-S.).
Fowler, A., F.R C.S.Ed., M.B., Ch.B. (Clin. Surg.).
Michie, W., F.R.C.S. Ed., M.B., Ch.B. (Clin. Surg.) Pt.-time Asst.

Tuberculosis

Bell, D., M.D. Edin., D.P.H. Pt -time Lectr.

Pt.-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.
Wright, C C., M.B., Ch.B., D.P.H. Pt.-time Asst.

Gifford Lecturer in Nat. Theol.

1948–50—Professor Michael Polanyi, M.D., Ph D., D.Sc., F.R.S.

Physical Education

Director: Lt.-Col. A. W. Brocks, M.B.E., M.C., M.A.; Pt.-time Asst.: Miss Adele M Mackinnon.

Medical Officer

(Students' Health Services): Macklin, A. H., O.B.E., M.C., M.D. Manc.

Administrative Staff

Asst. Sec.: James George, M.A. Camb.; Asst. Sec. and Treasurer: William J. A. Nelson.

ASSOCIATED COLLEGES

NORTH OF SCOTLAND COLLEGE OF AGRICULTURE. Head of College and Director of Research, T. L. Bywater, B.Sc., M.S., Strathcona-Fordyce Prof. of *Agric.* Deputy Head of College, Arthur Crichton, M.A., B.Sc. (Agr.). Director of Studies, George Donald, B.Sc. (Agr.). Lectrs.: *Agr. Bot.*, D. Clouston, M.A., B.Sc. (Agr.), D.Sc.; *Agr. Zool.*, D. Robertson, B.Sc. (Agr.), Ph.D., D.Sc.; *Agric., Principles of*, G. Donald, B.Sc. (Agr.); *Vet. Hyg.*, J. C. Grant; *Agr.*

Chem., A. Hill, B.Sc., B.Sc. (Agr.); *Agric. Engin.*, G. Murray, B.Sc. (Agr.); *Bee-keeping*, A. S. C. Deans, F.R.E.S.; *Hortic.*, M. A. H. Tincker, M.A., D.Sc., F.L.S., F.C.S.; 5 Advisory Officers (Entomol., Grassland Husbandry, Mycology, Agric. Bacteriol., Farm Buildings), 1 Agr. Economist, 1 Vet. Investig. Officer, 1 Bee-keeping Research Officer, 40 Assts., 1 Farm Manager, 1 Director of County Work, 2 Regional Directors of County Work, 16 County Agric. Advisers, 12 Asst. County Agric. Advisers, 2 Sr. and 15 County Advisers in Dairying and Poultry-Keeping, 3 Asst. County Advisers in Dairying and Poultry-Keeping, 7 Machinery Instructors.

ROBERT GORDON'S TECHNICAL COLLEGE. Under the Aberdeen Educational Endowments Scheme, 1934, the Governors, in continuation and development of the College, provide, maintain, furnish, equip, administer and conduct schools of Engineering, Mathematics and Physics, Chemistry, Pharmacy, Navigation, Art (including Drawing, Painting, Design, Sculpture, Architecture, Building and Surveying), Domestic Science, Commerce and such other subjects connected with education in science, art and technology 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 Diploma of Associateship of the Coll. in Eng.—Civ., Mech. and Elect. The courses in Mech. and Elect. Engin. are recognized under the schemes for the award of National Diplomas. Classes in Agric. Engin. are provided in connexion with the degree of B.Sc. (Agr.) of the Univ. and the Diploma of the N. of Scotland Coll. of Agric. 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 and also for Engineer Surveyors under the Ministry of Transport and Lloyd's. Evening courses in the higher branches of Civ., Mech., Elect., Automobile Engin., Naval Archit., Maths., Physics, and in Papermaking.

Fees. All fees for degree courses payable at the Univ. (v. *infra*). For Associateship and National Diploma (Higher), 1st yr. £21, 2nd and 3rd yrs., each £25 (plus matricn. fee, 2nd and 3rd yrs., £2 : 12 : 6).

Staff.—Director, A. C. West, B.Sc., Ph.D. *Architecture*, Head of School, E. F. Davies, B.Arch. (Liv.), F.R.I.B.A., F.R.I.A.S.; 3 Assistant Teachers. *Art*, Head of School, H. Adam Crawford; 3 Principal Teachers, 10 Assistant Teachers, 1 Attendant. *Chemistry*, Lecturer-in-Charge, M. B. Watson, B.Sc., Ph.D.; Lecturers, George W. Youngson, B.Sc., Ph.D.; Allan Hunter, B.Sc.; 2 Lab. Attendants. *Domestic Science*, Head of School, Annette G. Kelly; 4 Heads of Departments; 19 others; 1 Lab. Attendant. *Engineering*, Director, Prof. J. Allen. *Civil Engineering*, James D. Robertson, B.Sc. (Eng.). *Electrical Engineering*, Head of Department, E. Wilkinson, B.Eng., Ph.D.; Lecturers: G. C. Colmar, B.Sc. (Eng.), J. A. Bennet, B.Sc. (Eng.), Lloyd F. Dorward, B.Sc. (Electr.); 2 Lab. Mechanics; 1 Asst. *Mechanical Engineering*, Head of Department, A. D. Edmond, B.Sc. (Eng.), F.R.S.A.; Lecturers: J. A. Chisholm, R. A. Hendrie, B.Sc. (Eng.), J. M. Corry; 2 Lab. Mechanics, 1 Assistant. *Marine Engineering*, Lecturers: W. P. Hunter, C. Hay. *Maths and Physics*, Head of School, J. D. Stewart, M.A., Ph.D.; Lecturers: J. S. Morgan, M.A., N. Herbert, M.Sc., Dip.Ed., R. C. Angus, M.A.; 2 Lab. Mechanics. *Navigation*, Head of School, C. R. Cameron, D.S.C.; Lecturers: D. F. McKay, F. W. Gardiner, George P. Insh; Lecturer in Ambulance Work, A. G. Beattie, M.B., Ch.B. *Pharmacy*, Head of School, J. E. Bowen, B.Sc., F.R.I.C.; Lecturers: Nancy N. Rose, M.A., B.Sc., W. R. L. Brown, A. MacDonald, Sheila Wilson; 1 Lab. Attendant; Clerk and Treasurer, W. R. Murdoch.

GENERAL INFORMATION, v. also pp. 464 ff.

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 buildings remain, notably the Chapel (A.D. 1500).

The LIBRARY, founded in 1500, has 251,000 vols. and 200 *incunabula*, some unique. It is especially rich in Celtic literature, and books bearing on the history, topography and antiquities of the Scottish Highlands, and Classical Archæology. It also contains the McBean Jacobite collection, reputed to be the largest in the world outside the British Museum. Annual budget about £3500. MUSEUMS: Anthropological (illust. cat. 1s.), Pathological (600 specimens), etc. Besides the usual LABORATORIES there is the Rowett Institute of Research in *Animal Nutrition* near Bankhead, with depts. of Physiol., Bio-Chem., Bacteriol. and Pathol., and attached Animal Husbandry section for practical experiments in feeding, etc. It is under the management of a joint committee of the Univ. and the N. of Scotland College of Agric. Hospitals available for clinics: Infirmary, 550 beds; Woodend Hospital, 340; Children's, 150; Fever, 300; Mental Hospital, 900; Maternity Hospital, 111; Ophthalmic Institution, average 7000 out-patients annually.

FACULTIES AND DEANS. Arts, Prof. E. M. Wright; Science, Prof. H. M. Steven; Divinity, Prof. J. M. Graham; Law, Prof. T. B. Smith; Medicine, Prof. D. Campbell.

DEPARTMENT. Education.

ADMISSION and ADVANCED STANDING, v. Appendix I.

DEGREES, ETC., v. pp. 465 ff. A Diploma is conferred in Public Health (D.P.H.).

FEES (v. also Carnegie Trust, p. 468). Matriculation, 2½ gs. p.a. Inclusive fees for tuition: M.A. (with Hons. in Maths. and Nat. Phil.), 90 gs.; M.A. (with Hons. in groups other than Maths. and Nat. Phil.), 76 gs.; M.A. (Ord)., 57 gs.; B.Sc. (Pure Science, Agriculture, Forestry and Engineering), 114 gs.; B.Sc. (with Hons. in Maths.), 90 gs.; B.Sc. (with Hons. in subjects other than Maths.), 127 gs.; B.Sc. Agr. (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 medical 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.

SCHOLARSHIPS, ETC., for graduates (v. also pp. 467-468), about 25; aggregate annual value about £2000. *Travelling Scholarships*: Anderson, for medical graduates, about £500 p.a. for 2 yrs.; Kemsley, £400 for graduates in Forestry; Kilgour, £200-£250 for graduates in Natural Science or Natural History; Robbie, about £300 p.a. in Maths., Nat. Philos. and Chem.; John Stephen, £90 p.a. in Econ. for 2 yrs.; Yuill, £150 for 1 yr., renewable in Indust. and Agric. Chem. *Travelling Fellowship*: Wilson, for archæological research in the Near East, £300 p.a. for 2 yrs. Particulars obtainable from Agents for Wilson Trustees, Messrs. Edmonds and Ledingham, Advocates, 1 Golden Square, Aberdeen. George Thompson, in Med., for 2 yrs (1 yr. abroad) (about £600 p.a.).

RESIDENCE. List of lodgings published by Students' Representative Council. There is a Hall of Residence for Medical Students in which residence is compulsory for sixteen weeks during the fourth or fifth year of study.

APPOINTMENTS COMMITTEE. There is a Committee which advises students as to preparation for entrance to various Government Services and other appointments. All communications to be addressed to *The Secretary*.

PHYSICAL WELFARE OF STUDENTS. There is a Dir. of Phys. Education, with a woman Assistant for women students.

MEDICAL EXAMINATION OF STUDENTS. There is a Medical Officer for the voluntary examination of students.

ADVISER TO WOMEN STUDENTS. Mrs. Ian Clarke.

PUBLICATIONS. *Calendar* (Sept.), 7s. 6d.; *Univ. Review*, 7s. 6d. p.a. (3 issues); *Students' Handbook and Diary* (Nov.), 2s.; *Alma Mater* (organ of S.R.C.).

THE YEAR 1948–49

BENEFACTIONS. Carnegie Trust, Edinburgh, £5367 : 8 : 10—grant for special purposes; Nuffield Provincial Hospitals Trust, £1000—grant towards cost of Student Health Services; late Miss Ann Sinclair, Aberdeen, £1000—bequest for encouragement of Res. in Cure of Diabetes and Cancer; Mr. and Mrs. J. F. Durno, Inverurie, £1000—gift to found Durno Prizes in Agric. and Anat.; Crombie-Ross Fund, Aberdeen, £995—donation for special purposes; Anglo-Saxon Petroleum Co., Ltd., London, £400—grant towards cost of field excursions in Geol.; Aberdeen Philosophical Society, £268 : 6 : 1—gift for purchase of books for Dept. of Moral Philos.; late Dr. J. A. Watt, Derby, £200—bequest to found J. A. Watt Prize in Preventive Medicine; Dr. J. A. Ross, Aberdeen, £143—fourth instalment of donation towards cost of endowment of Chair of Child Health; Founders of Macleod-Smith Chair of Biological Chem., £117 : 5 : 9—gift of amount of Royalties on a publication by late Prof. J. J. R. Macleod; F. A. Ritson, C.A., Elgin, £100—fifth annual donation for cost of delivery of Ritson Lectures on Political Science and Internat. Relations; John Gordon's Charitable Trust Fund, Aberdeen, £100—donation towards cost of foundation of Lectureship in Biblical Study; Kingswells Trust, Aberdeen, £37 : 10s.—gift for general purposes; late Dr. G. S. Middleton, Aberdeen, £18 : 18s.—further instalment of bequest for general purposes; Isaac Silberg, Hove, Sussex, £18 : 3 : 7—gift to form Silberg Prizes in Anat. and Physiol. for Session 1948–49; late George Murray, Aberdeen, £10 : 4 : 2—further instalment of bequest for general purposes; Mrs. Isabella Macdonald, Aberdeen, £5 : 5s.—gift to form George Macdonald Prize for Degree of Ed.B. for Session 1948–49; W. A. Mackenzie, Dunkeld, and his two brothers, £3 : 8 : 5—balance of gift towards cost of foundation of Chair of Child Health.

NEW BUILDINGS. Building of new Chemistry Dept. in Old Aberdeen commenced; conversion of former St. Mary's Church, Old Aberdeen, almost completed, for housing Depts. of Psychol., Educn., Geog. and Law from Session 1949–50.

NEW POSTS. Chair of Biological Chem.; Lectrs. in Bot., Forestry, Geog., Spanish, English, Chem. and in Music appointed to Readerships in these subjects; Lectureships in Agric. Biochem., Agric. Economics, Agric. Zool., Principles of Agric., Biological Chem., Economics, Civil Engin. (2), Mech. Engin. (2), French, Geog., Geol., Maths., Medicine, Nat. Philos. (5); Research Fellowships in Economics.

RESIGNATIONS. Dr. J. E. Webb (Nat. Hist.), on appt. to Univ. Coll. of Ibadan; Dr. A. W. Hendry (Engin.), on appt. to a Readership in King's

Coll., Univ. of London; W. D. Macgregor, C.B.E. (Forestry), on assuming an appt. with Dept. of Scientific and Industrial Research; Dr. Edith H. Whetham (Pol. Econ.), on appt. to Univ. of Cambridge; Dr. S. Simpson (Geol.), on appt. to Univ. of Bristol.

DEATHS. W. D. Taylor (English); W. Anderson (Surgery); J. Gerrie (Diseases of the Ear, Nose and Throat).

HONORARY DEGREES. *D.D.*—Kathleen Bliss, former Missionary in South India; Rev. A. G. Hebert, tutor at Kelham Theological Coll.; Rev. G. S. Hendry, Minister of Church of Scotland; J. L. Hromadka, Dean of the Hus Fac. of Theol., Prague. *LL.D.*—Dr. A. Greig Anderson, Hon. Physician to H.M. Household in Scotland; Sir William Hamilton Fyfe, Principal-Emeritus of the Univ. of Aberdeen; Sir Alexander Gray, Prof. of Political Economy, Univ. of Edinburgh; Hilary Jenkinson, Deputy Keeper, Public Records Office; E. M. Meijers, Prof. of Law in the Univ. of Leyden; Rev. J D. Sinclair, Prof.-Emeritus of English in the Scottish Churches' Coll., Calcutta; T. F. O'Rahilly, Celtic Scholar; Eva G. R. Taylor, Prof.-Emeritus of Geog. in the Univ. of London; H. M. Tomlinson, Author and Critic.

STUDENTS. Total: 2228 (1677 men; 551 women), including 80 (69 men; 11 women) pt.-time students and 41 (30 men; 11 women) postgraduates.

DEGREES. *Arts*: M.A. (Ord.), 153; M.A. (Hons.), 51; Ed.B., 5. *Science*: Ph.D., 12; B.Sc. (Pure) (Ord.), 39; B.Sc. (Pure) (Hons.), 41; B.Sc. (Agr.) (Ord.), 23; B.Sc. (Agr.) (Hons.), 1; B.Sc. (For.), 18; B.Sc. (Eng) (Ord.), 30 (Civil, 15, Mechanical, 6, Electrical, 9); B.Sc. (Eng.) (Hons.), Civil, 1. *Law*: B.L. (Ord.), 12; LL.B. (With Distinction), 2; LL.B. (Ord.), 23. *Medicine*: M.D. (Ord.), 1; M.D. (Hons.), 6; M.B., Ch.B. (Ord.), 61; M.B., Ch.B. (Hons.), 10.

UNIVERSITY OF EDINBURGH

Founded 1583

CHANCELLOR—The Most Honourable THE MARQUESS OF LINLITHGOW, K.G., K.T., P.C., G.C.S.I., G.C.I.E.

VICE-CHANCELLOR AND PRINCIPAL—Sir EDWARD V. APPLETON, G.B.E., K.C.B, F.R.S.

RECTOR—ALASTAIR SIM.

SECRETARY TO THE UNIVERSITY—CHARLES H. STEWART, M.A., LL.B. Glas.

SECRETARY TO THE GENERAL COUNCIL—D. B. HORN, M.A., D.Litt.

REGISTRAR TO THE GENERAL COUNCIL—W. A. COUTTS, M.A.

LIBRARIAN—L. W. SHARP, Ph.D. Camb., M.A.

ACCOUNTANT—R. O. CURLE.

Telephone: Edinburgh 41001.

TEACHING STAFF

Accounting and Business Method

Murray, A G, M.A. Prof.
Whitton, J, M.A, B Com. Lectr.
Taylor, R. Lectr.
Ritchie, J. M. Asst.

Actuarial Science

Fraser, H. A., F.F.A. Lectr.
Donald, D. W. A., O.B.E., F.F.A. Lectr.

Agriculture, v. *infra*

Anatomy

Brash, J. C., M.C., M.D. Birm., M.A., B Sc, M B., Ch.B., F.R.C S.Ed., F.R.A.I. Prof.
Inkster, R. G., M.A. Dub., M.B., Ch.B., M.D. Reader.
Hill, W. C. O., M.B., Ch.B., M.D. Birm., F.R.A.I., F.L.S. Reader
Jardine, F. E., M.B., Ch.B., F.R.C.S.Ed. (Applied A.) Lectr.
Craig, R. C., M.B., F.R.C.S.Ed. Lectr
Taylor, H. W. Y., M.A., B.Sc., M.B.; Ch.B. Lectr.
Duckworth, J. W. A., M.B., Ch.B. Lectr.
Barrett, Helen S., M.B., Ch.B. Lectr.
Robertson, D., M.B., Ch.B., F.R.C S.Ed. Lectr.
Romanes, G. J., B.A., Ph D. Camb., M.B., Ch B. (Neuroanatomy) Lectr.
Bruce, J., C B.E., M B., Ch.B., F R C.S.Ed. Lectr.
Stirling, R. I., M.B., F.R.C.S.Ed. (Applied A.) Asst.
Farquharson, E. L., M.B., Ch.B., M.D, F.R.C.S.Ed. (Applied A.) Asst.
Batty, D. M. F., M.B., Ch.B., F.R.C.P.Ed. (Applied A) Asst.
Liston, W. A., M.B., Ch.B., F.R.C.S.Ed. (Applied A.) Asst.
Scott, G. I., M.A., M.B., Ch.B., F.R.C.S.Ed. (Applied A.) Asst.
McDowall, G. D., M.B., Ch.B., F.R.C.S.Ed. (Applied A.) Asst.

Anatomy, Comparative (Veterinary)
Grahame, T., F.R.C.V.S. Lectr.

Anthropology
..... (Social Anthropol.) Reader.
Littlejohn, J. Lectr.
Hill, W. C. O., M.B., Ch.B. (Physical Anthropol.) Lectr.
Goffman, E., B.A. Tor., M.A. Chicago Asst.

Arabic
Watt, W. M., M.A., M.Litt. Oxon., M.A., Ph.D. Lectr.

Archæology, Classical
Chittenden, Mrs. J., M.A. Camb. Lectr.

Archæology, Prehistoric
Piggott, Stuart, B.Litt. Oxon., F.S.A. Abercromby Prof.
Atkinson, R. J. C., M.A. Oxon. Asst.

Architecture
..... Prof

Art (*Fine Art*)
Rice, D. Talbot, 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.

Banking
Lockie, J. H., B.L. Bruce Lectr.

Biblical Studies
Stalker, Rev. D. M. G., B.D. Lectr.

Bibliography
Sharp, L. W., M.A., Ph.D. Lectr.

Biology, v. Nat. Hist.

Botany, v. also Forestry
Smith, Sir Wm. Wright, D. ès Sc. Toulouse, LL.D. Aberd., M.A., F.R.S., F.L.S. Reg. Prof.
Wilson, M., D.Sc. Lond., D.Sc., F.L.S. (Mycol. and Bacteriol.) Reader.
Nelson, A., B.Sc. Glas., Ph.D., D.Sc. Reader.
Smith, J. L. S , M.C , M A., B Sc. Lectr.
Lyall, C. A., B.Sc. Lectr.
Anthony, J., M.C., M.A., B.Sc. (Forest B.) Lectr.
Blyth, W., B Sc., Ph.D. Lectr.
Roberts, J., B.Sc. Asst.
Galt, R. W. C., B.Sc. Asst.

Celtic Languages, etc.
Jackson, K. H., M.A. Prof.
Mackechnie, J., M.A., B.L., B.D. Glas. Lectr

Chemistry
Kendall, James P., M.A., D.Sc., F.R.S. Prof.
Beevers, C. A., D.Sc. Liv. Lectr.
Bolam, Mrs. Mary R., B Sc., Ph.D. Lectr.
Bolam, T. R , D.Sc. Lectr.
Miller, Christina C , D.Sc., Ph.D. Lectr.
Campbell, N., D.Sc., Ph.D. Lectr.
Percival, E. G. V., Ph D. Birm , D.Sc., F.R.I.C. Lectr.
Ritchie, M., D.Sc., Ph.D. Lectr.
Taylor, D., B.Sc., Ph.D. Lectr.
Aspinall, G. O., B.Sc. Brist. Lectr.
Magee, R. J., M.Sc. Belf. Lectr.
Tipper, C. F. H., B Sc., Ph.D. Brist. Lectr.
17 other Assts.

Chemistry in relation to Medicine
Marrian, G. F., D.Sc. Lond., F.R.S. Prof.
Stewart, C. P., M.Sc. Durh., Ph.D. Reader.
Stedman, E., B.Sc. Lond., Ph.D., F.R.S. Reader.
Stedman, Mrs. Ellen, M.Sc. Lectr.
Grant, J. K., B.Sc. Lectr.
Illingworth, R. E., B.Sc., Ph.D., F.R.I.C. Lectr.

Ramsay, W. N. M., B.Sc., Ph.D. Lectr.
Minnis, J. W., B.Sc., Ph.D. Lectr.
Bauld, W. S., B.A. Acad., M.Sc. Dal. Lectr.
Paterson, J. Y. F., B Sc. Asst.
Roy, A , B Sc. Asst.
Sutherland, Elizabeth, B.Sc. Asst.
Kyle, T. I. Asst.
Boyd, G S. Asst
Cox, R. I., B.Sc. Asst.
Dutton, G. J., B.Sc. Asst.
Mauritzen, C. M. Asst.
Russell, Margaret E., B.A. Tor. Asst.
Sutherland, T. M., B.Sc. Asst.

Chemistry, Organic

Hirst, E. L., M.A., B.Sc., Ph.D. St. And., D.Sc. Birm., M.Sc. Manc. Prof.

Chemistry, Technical

Wilson, D. M., B.Sc., Ph.D. Glas. Lectr.

Classics: Greek

Calder, W. M., B.A. Oxon., M.A. Manc , LL.D. Aberd., D Phil. Athens, F.B.A. Prof.
Forbes, P. B. R , M.A. Camb. Lectr.
Coxon, A H , M.A. Oxon. Lectr.

Classics : Latin

Grant, M., O.B.E., M.A. Camb. Prof.
Potter, K. R., M.C., M.A. Oxon. Lectr.
Smith, W. K., M.A. Camb. Lectr.
Wellesley, K., M.A. Camb. Lectr.
Bishop, J. H., M.A. Camb. Lectr.

Commerce, and Organization of Industry, v. also Acc., Banking

Oliver, W., B.Sc. Prof.
Hunt, N. C., B.Com. Lond., Ph.D. Lectr.

Commercial and Polit. Econ. and Merc. Law, v. also Law

Gray, Sir Alexander, C.B.E., M.A. Prof.
Rankin, Mary T., M.A., D.Phil. Reader.

Lecturers

Birnie, A., M.A. (Econ. Hist.).
Marwick, W. H., M.A. (Econ. Hist.).
Smith, Innes, M.A.
Wright, L. C., B.A. Wales Lectr.
Heughan, Hazel, M.A. Lectr.
Moller, Asta, B Litt., D.Phil. Oxon., M.A. Asst.
Judek, S., M.A. St. And., Ph.D. Asst.

Cytology, v. Nat. Hist.

Divinity

Baillie, Rev. J., LL.D. Muhlenberg, M A., D.Litt., D.D., S.T.D. Prof.
Burleigh, Rev. J. H. S., B.Litt. Oxon., D.D. Aberd., M.A., B.D (Eccl. Hist.) Prof.
Manson, Rev. W., M.A., D.D. Glas., B.A. Oxon., D.D. Tor. (Biblical Criticism and Bib. Antiq.) Prof.
Thomson, Rev. G. T., M.A. Oxon., D.D. Aberd., M.A., D.D. (Christian Dogmatics) Prof.
Torrance, Rev. T. F., B.D., D.Theol. (Church Hist.) Prof.
Rankin, Rev. O. S., D.D. Glas., M.A , B.D., B.Litt. (O.T. Lang. and Lit.) Prof.
Stewart, Rev. James S., M.A., D.D. St. And. (N.T. Lang. and Lit.) Prof.
Tindal, Rev. W. S., O.B.E., M.A. Glas. (Christian Ethics and Practical Theol.) Prof.
Duthie, Rev. Principal C. S., M.A., B.D. Aberd. Lectr.
Wightman, Rev. W. M., M.A. Glas., D.D. St. And., D.D. Lectr.
Mathers, Rev. J., O.B.E., B.A. N.U.I., B.D. Asst.

Economics, v. Comm. and Pol. Econ.

Education

Thomson, Sir Godfrey H., D.Sc., D.C.L. Durh., Ph D. Stras (Dir of Studies, Provincial Training College) Prof.
Emmett, W G , M.A. Camb Reader
Mowat, G , M A., B Ed. Lectr.
Lothian, A J. D , M.A. Oxon., M A Lectr.
Inglis, W. B., M.A., Ed.B., Ph D. Glas. Lectr.
Fulton, A. S., M A. Lectr.
Pilliner, A. E. G , B.Sc. Birm. Lectr

Assistants

Thomson, Edith I. M , M.A., B.Ed
Drysdale, Annie, M A , B.Ed.
Reside, Sheena M M., M A., B.Ed.
Wolstencroft, H. P , B.A Lond.
Maxwell, J., M.A , B.Ed
Sutherland, J., M A , B Ed., Ph D

Engineering

Arnold, Ronald N , M.S. Illinois, D.Sc. Glas , Ph.D , D.Eng. Sheff. Reg. Prof.

Lecturers

Stewart, David S., B Sc Lond., Ph.D.
Patterson, C
Davidson, M., B.Sc., Ph.D. (Heat Engines).
Carswell, J. I., B.Sc., Ph.D.
Dudgeon, W., B Sc.
Warburton, G. B., B.A. Camb., Ph.D
Farvis, W. E. J., B.Sc. Lond.
Hunter, W. B., B.Sc.
Zienkiewicz, O. C., B.Sc., Ph.D. Lond.
Heatly, P., B.Sc. Asst.
Hawkins, P., B.Sc. Asst.
McKenzie, A. S. V., B.Sc. Asst.
Patten, T. D., B.Sc. Asst.
Robson, J. D., M.A. Oxon. Asst.

English Lit. and Rhetoric

Renwick, W. L., M.A., D.Litt. Glas., B.Litt. Oxon., D. ès L. Bordeaux Reg. Prof.
Clark, A. M., D.Phil. Oxon., M.A., D.Litt. Reader.
Paxton, K. D., M.A. Lectr.
Jeffares, A. N., M.A., Ph.D. Dub., M.A., D.Phil. Oxon. Lectr.
Prudhoe, J., M.A. Camb. Lectr
Butter, P H., M A. Oxon. Asst.
Grundy, Joan, M.A. Lond. Asst.
Maynard, Winifred A., B.A. Durh. Asst.
Douglas, W. C , M A. Asst.
Kitchin, G., M A., D.Litt. Asst.
Smith, Janet N., M.A., Ph.D. Asst.
King, Mary L., M.A., Ph.D Asst.

English Language and General Linguistics

McIntosh, A., M A. Oxon. Prof.
Schram, O. K., M.A. Wales, Ph.D. Camb. Lectr.
Uldall, H. J., M.A. Columbia Lectr.
Samuels, M. L , M.A. Oxon. Lectr.

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 Prof.
Poulet, G., D. en Phil et L., D. en Droit Liège Reader.
Legge, M. Dominica, M.A., B.Litt. Oxon. Lectr.
Steele, A. J., M.A. Lectr.
Leigh, R. A., B.A. Lond. Lectr.
6 Assts.

Geography

Ogilvie, Alan G., O.B.E., M.A., B.Sc. Oxon. Prof.
Geddes, A., D. ès L. Montp., Ph.D. Lectr.
Snodgrass, Catherine P., M.A., Ph.D. Lectr.

Miller, R., M.A., Ph.D. Lectr.
Robertson, C. J., Ph.D. Lond., M.A., B.Sc. Lectr.
Macgregor, D. R., M.A. Aberd. Lectr.
Kenneth, J. H., M.A., Ph.D Asst.
Prothero, R. M., M.A. Wales Asst.
Common, R , B.Sc. Durh. Asst.
MacIver, Kathleen M , B.A Oxon. Asst.
White, H. P., B.A. Lond. Asst.

Geology

Holmes, A., D.Sc Lond., F.R.S. Reg Prof
Campbell, R , M.A , D Sc. (Petrology) Reader.
McIntyre, D. B., Ph.D. (Econ. Geol.) Lectr.
Cockburn, A. M , B.Sc , Ph D Lectr.
Craig, G Y., B.Sc Glas. Lectr
Rutledge, H , B.Sc. Durh. Lectr.
Beveridge, R., B.Sc., Ph.D. Asst.

German and Teutonic Philol.

Bruford, W. H , M.A. Camb. Prof.
Barker, Marie L., Ph.D. Research Fellow and Lectr.
Mason, E. C , B.A Oxon., M A. Camb , Ph D. Leipzig Lectr.
Silber, Kathe, Ph.D. Berlin Lectr
Wardale, W. L., M.A. Liv. Lectr.
Koch, Ingrid Asst.
Ruge, Ursula S. Asst.

Hebrew and Semitic Langs.

Porteous, Rev. N. W., M.A. Oxon., D.D. St. And., M.A., B.D. Prof.

Hispanic Studies

Walton, L. B., M.A., B.Litt. Oxon. Reader.
Crosland, Margaret, B.A. Camb. Lectr.
Couper, Mary M., M.A., Ph.D. Asst.
Nieto, B. H., LL.D. Madrid Asst.

Histology, v. Physiol.

History, v also Comm , Div.

Pares, R , C B.E , M.A. Oxon. Prof.
Balfour-Melville, E. W. M , M.A. Oxon., D.Litt. Lectr.
Horn, D. B , M A., D.Litt Lectr.
Hay, D., M.A. Oxon. (Mediæval and Gen. European) Lectr.
Shepperson, G. A., M.A. Camb Lectr.
Kiernan, V. G , M.A. Camb. Lectr.

4 Assts.

History, Ancient (Gk. & Roman)

Giles, A. F., M.A. Edin and Oxon. Reader.

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.
Milne, Isabel A., M A Asst.

History, Const., and Const. Law

Saunders, L. J , M A., D Litt. Prof.
Fraser, W. I. R., B.A. Oxon., LL B. Glas Lectr.
Stewart, Ewan G F., M.A., LL.B. Asst.

Italian

Rossi, Mario M., M.A. Florence, Ph.D. Rome Lectr.
Alexander, Mrs. F. Asst.

Law, v. *infra*

Logic and Metaphysics, v. Philos.

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. Lectr.
Cossar, J., B.A., Ph.D. Camb., M.A. Lectr.

Erdelyi, A., Dr. rer. nat., D.Sc. Lectr.
Purdon, A. P., M.A. Lectr.
Mott, J. L. Lectr
Palmer, D. G., M.A. Camb. Lectr.
Brown, L. M., M.Sc. Brist., Ph.D. St. And. (Tech. Maths.) Lectr.
Mackenzie, G., B.Sc. St. And. and Lond. (Tech. Maths.) Lectr
Lawley, D. N., M.A. Camb , D.Sc. (Statistics) Lectr.
Marshall, J. B., M.A., B.Sc. Asst.
Milne, A., M.A., D.Sc. Asst

Mathematics, Applied

Schlapp, R., Ph.D. Camb., M A. Lectr.
Nisbet, A., M.A. Lectr.

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.
Grierson, Mary, Mus Doc. Lectr.
Gal, H., Mus.Dr. Vienna Lectr.
Fairbairn, J., Mus.Doc. Lectr.

Natural History and Zoology

Ritchie, James, M.A., D.Sc. Aberd. Prof.
Cameron, A. E., M.A., D.Sc. Reader.

Lecturers

Morgan, D. O., M.Sc. Wales, Ph.D. Lond. (Helminthology)
Friend, G. F., M.A. Oxon., B.Sc. Brist. (Cytology and Exp. Zool.).
Steven, M.A., D.Phil. Oxon., A.M. Harv.
Jones, B. M., B.Sc. Wales.
Miller, Hugh.

Assistants

Douglas, R. I., B.Sc. Lond.
Hussey, N. W., B.Sc. Wales
Kille, R. A., B.Sc. Lond.
Smyth, J. C., B.Sc., Ph D.
Tuft, P. H., M.A., Ph.D. Camb.

Palæontology, v. Geol.

Petrology, v. Geol.

Philology, v. French, Ger., Sansk.

Philosophy

Ritchie, A. D., M.A. St. And. and Camb. Prof.
Allen, D J., M.A. Oxon. (Ancient P.) Reader.
Sinclair, W. A., O B.E., M.A. Lectr.
Fairweather, Rev A. M., S.T.M. N.Y., M.A. Lectr.
Cohen, L. J., M.A. Oxon. Asst.
Stewart, W. F. M., M.A. Asst.

Philosophy, Moral, v. also Psych.

Macmurray, J., M.C., M.A. Glas., M.A. Oxon. Prof.
Bedford, E., B.A. Lond. Lectr.
Heath, P., B.A. Oxon. Lectr.
Rankin, K. R., M.A. Asst.
Broadie, F., B.A. Oxon. Asst.
Gilman, E., B.A. Oxon. Asst.
Kirkham, R. M., B.A. Oxon. Asst.
Murray, R. J. K., M.A. Asst.

Philosophy, Natural

Feather, N., B.A., Ph.D. Camb., B.Sc. Lond., F.R.S. Prof.
Born, Max, M.A. Camb , D.Sc. Brist., Ph.D. Gött., F.R.S. Tait Prof.
Dymond, E. G., M.A. Camb. Reader.
Richardson, H. O. W., B.Sc. Lond., Ph.D. Camb. Lectr.
Childs, C. B., Ph.D. Birm. Lectr.
Paton, J., M.A., B.Sc. Lectr.
Ross, Marion A. S., M.A., Ph.D. Lectr.

Kyles, J., M.A. Lectr.
Rowland, S., Ph.D. Liv. Lectr.
Dainty, J., M.A. Camb. Lectr.
Sillitto, R. M., B.Sc. Lectr.
Connor, R. D., B.Sc., Ph.D. Lectr.
Kemp, C. N., B.Sc. Lectr.
Miller, W., B.Sc., Ph.D. Lond. Lectr.
Campbell, C. G., M.A., B.Sc. Asst.
Pullar, J. D., B.Sc. Asst.
Stanesby, A. O., M.A. Camb. Asst.
Zajac, Barbara, B.Sc., Ph.D. Asst.

Phonetics

Abercrombie, D., B.A. Leeds Lectr.
Uldall, Elizabeth T., B.A. Columbia, M.A. Lond Lectr

Physiology

Whitteridge, D., B Sc., D.M. Oxon. Prof.
Eggleton, P., D Sc. Lond. Reader.

Lecturers

Bruce, A N , M.D , D.Sc , F.R.C.P. (P. of Nervous System).
Pickford, Mary, M.Sc. Lond.
Dewar, A. D., B.Sc., Ph.D. Lond.
Hebb, Catherine O., M.A. Dal., Ph D. McGill.
Mount, L E., M.B , B.S. Lond , M.D., C.M. McGill.

Assistants

Watt, J. A., B.A. Oxon., M.B., Ch.B.
Balfour, W. E , B.Sc. Lond.

Pol. Econ., v. Commercial Econ., Hist.

Political Science

Nobbs, D., M.A. Camb. Lectr.

Psychology

Drever, J., M.A. Prof.
Collins, Mary, M.A., B.Ed., Ph.D. Lectr.
Semeonoff, B., M.A., B.Ed., Ph.D. Lectr.
McKenzie, R. M., M.A. Lectr.
Reid, R. D. Lectr.
McMahon, D., M.A. Durh. Lectr.
M'Meeken, Agnes N., M.A., B.Sc., Ph.D. Asst.
Harrowes, W. M., M.B., Ch.B., M.D. Glas. Asst.
Sladden, Agnes, B.A. Reading Asst.
Douglas, Joyce Asst.
Cookson, Joyce, M.A. Asst.
Shepherd, Alice C., B.Sc. Asst.

Rhetoric, v. English

Russian

Ward, W., B.A. Camb. Lectr.

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

Milnes, Nora, B.Sc. Lond. Reader.
Stark, W., Dr. rer. pol. Hamburg, Dr. jur. Prague Lectr.
Gregor, Mary J. F., B.Sc., Ph.D. Lectr.
Waldron, Florence E., B.A. Lond. Lectr.
Browne, Margaret, B.A. Lond. Lectr.
Brown, T., B.A. Brist. Asst.

Statistics, v. Mathematics

Theology, v. Divinity

Zoology, v. Nat. Hist.

Agriculture and Forestry

(v. also Bot., Engin.)

Agriculture and Rural Economy

Watson, Stephen J., M.Sc., D.Sc., Durh., F.R.I.C. Prof.
Gordon, J. Evans, B.Sc. Aberd., Ph.D. Lectr.
Cunningham, J. M. M., B.Sc. Lectr.

Hayes, S. F., B.Sc. Lectr.
Holmes, J. C., B.Sc. Lectr.
Knox, M. A., B Sc. Lectr
Runcie, K. V., B.Sc. Lectr.
Kinsley, Catherine T M , M.A. Asst.

Agricultural Bacteriology

Gibson, T., D.Sc. Lectr.

Agricultural Chemistry

Smith, A. M , Ph.D., D Sc., F.R I C. Lectr.

Agric. and Forest Entomol.

Cameron, A. E., M.A , D.Sc Aberd. Reader.
McHardy, J. W., B Sc Lectr
Guild, W. J., Ph.D Lond., B.Sc. Lectr.

Animal Genetics

Waddington, C. H , M.A., Sc D Camb , F.R S. Prof
Smith, A. D. B., C B.E., M.A., B Sc Aberd., M.S.A. Iowa, D.Sc. Lectr.
Auerbach, Charlotte, Ph.D , D.Sc Lectr
Beale, G. H., B.Sc., Ph.D. Lond. Lectr.
Gordon, C., O.B.E., M.Sc. Cape T., Ph.D. Lond. Lectr.
Blyth, Janet S S , B.Sc , Ph.D. Asst.
Freedman, Ruth M., B.A Oxon. Asst
Lamy, Rowena, Ph.D. Asst.

Forestry

Stebbing, E P., M A Prof
Fergusson, D. C., B.Sc. Lectr.
Harrison, J. L. Lectr.
Osmaston, F C., B.A. Oxon. Lectr.
Fairbairn, W., D.Sc. Lectr.

Law

Administrative Law

M'Larty, M. R., M.A. Camb. Lectr.

Civil Law

Fisher, M. G., K.C., M.A., LL.B. Prof
Crawford, J. A., M.A., LL.B. Asst.
Johnston, A. M., B.A. Camb., LL.B. Asst.

Constitutional Law, v. Hist.

Conveyancing

Monteath, H. H , B.A. Oxon , LL B. Prof.
Will, R. K., M.A., LL.B. Asst.

English Law

..... Reader.

Evidence and Pleading

Grant, W., B A., LL.B. Lectr.

Industrial Law

Sloan, N A., B.L Glas. Lectr.

International Private Law

..... Reader.

International Relations

Brierly, J L , C B E , D C L Oxon , LL.M Manc., Dr Juris Oslo, LL.D. Chicago Prof.

Public Law

Campbell, A. H., M.A., B.C.L. Oxon., LL.M. Birm. Reg. Prof.
Dick, J. A , M.A., LL.B. Asst

Scots Law

Montgomery, G. A., K.C., M.A., LL B Prof.
Maxwell, D., M.A., LL.B. Lectr.
Taylor, R. R., M.A., LL.B., Ph.D. Lectr.
Anderson, D. C., B.A., LL.B. Lectr.
Wilson, J. G., M.A., LL.B. Asst.

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.

Swain, R. H. D., M.A., M.D. Camb. Sr. Lectr.
Ives, J. C. J., M.B., Ch.B. Lectr.
Wright, Helen A., M.B., Ch.B., D.P.H. Lectr.
Duguid, J. P., B.Sc., M.B , Ch.B. Lectr.
MacCabe, A. F., M.B , Ch.B., D.P.H. Lectr.
Dempster, G., B.Sc., M.B., Ch.B. Lectr.
Wallace, A. T., M B., Ch.B. Lectr.
Cranfield, Joyce D., B.Sc. Lectr.
Bowie, J. H., M.B., Ch.B. Lectr.
Wilkinson, J. F., B.A. Camb. Lectr.
Smith, A N., M.B , Ch.B. Lectr.
Elias-Jones, T. F , M.B., Ch B. Asst.

Chemistry, Clinical

Stewart, C. P., M.Sc. Durh., Ph.D. Reader.
Sims, F. H., M.Sc., M B , Ch B. N.Z. Lectr.
Tompsett, S. L., B.Sc. Lond., Ph.D., D.Sc Glas., F R I.C. Lectr.
Scandrett, F. J., B Sc. Liv. 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.
Henderson, J. L., M.D., F.R.C.P.Ed. Sr. Lectr.
Tait, H. P., M.D., F.R.C.P.Ed. (Preventive Pædiatrics) Sr. Lectr.
MacGregor, Agnes R., M.D., F.R.C.P.Ed. Lectr.
Claireaux, A. E., M.B., Ch.B. Lectr.
Thomson, J., M.B., Ch.B., M.D., D.P.H., D.C.H. Lectr.

Dental Diseases

Jamieson, J. D. H., H.D.D., L.D.S. Lectr.

Dermatology

Percival, G. H., M.D., F.R.C.P.Ed. Prof.
Hannay, P. W., M.B., Ch.B. Lectr.
Duthie, D. A., M.B., Ch.B. Asst.

Eye, Diseases of the, v. *infra*, Clin. Teaching Staff

Forensic Med.

Smith, Sir Sydney A., C B E., M.D., D.P.H. Edin and Glas., F.R.C.P.Ed Reg Prof.
Fiddes, F. S., O.B.E., M.B., Ch.B., M D. Lectr.
Kerr, D. J. A., M D., F.R.C.P. Lectr.
Ogilvie, R. F., M.D., F.R.C.P.Ed. Asst.

Gynæcology, v. Obstetrics and Gynæcology, also *infra*, Clin. Teaching Staff

History of Med.

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. Berlin, Ph.D. Camb. Lectr.
Adam, H., M.B., Ch.B. Lectr.
Crawford, T. B. B., B.Sc., Ph.D. Lectr.
Cruikshank, A. G., F.R.C.P.Ed. Lectr.
Stephenson, R. P., B.Sc. Birm., B.Sc. Oxon. Lectr.
Lyon, R. M. Murray, M D., F.R.C.P.Ed. Asst.

Medicine, v. also *infra*, Clin. Teaching Staff

Davidson, L. S. P., B.A. Camb., M.D., F.R.C.P.Ed. Prof.

Turner, R. W. D., M.A., M.D. Camb. Sr. Lectr.
Meiklejohn, A. P., M.A., B.Sc., D.M. Oxon. (Nutrition) Sr. Lectr.
Duthie, J. J. R., M.B., Ch.B. Aberd. (Rheumatology) Sr. Lectr.
Girdwood, R. H., M.B., Ch.B., F.R.C.P.Ed. Lectr
Robson, H. N., M.B., Ch.B. Lectr.
Card, W. I., M.D. Lond., F.R.C.P. Lectr.
Clark, J. R., M.B., Ch.B. Asst.
Lindsay, Sheila T., B.Sc. Aberd. Asst.
French, E. B., B.A., M.B., B.Ch. Camb. Asst.

Medicine, Clinical, v. also *infra*, Clin. Teaching Staff

Lyon, D. Murray, M.D., D Sc., F.R.C.P.Ed., D.P.H. Ed. and Glas. Prof.

Mental Diseases, v. Psychiatry

Neurological Surgery

Dott, N. M., M.B., Ch.B., F.R.C.S.Ed. Prof.

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.
..... Sr. Lectr.
Matthew, G. D., M.B., Ch.B., F.R.C.S.Ed. Lectr.
Anderson, A. F., B.Sc., M.B., F.R.C.S. Lectr.
MacGregor, T. N., M.D., F.R.C.S.Ed. (Gynæcol. Endocrinology) Lectr.
Liston, W. A., M.B., Ch.B., F.R.C.S.Ed., F.R.C.O.G. Asst.

Orthopædic Surgery

Mercer, W., M.B., Ch.B., F.R.C.S.Ed. Prof.

Pathology, v. also Anat.—Morb. and Bacteriol.

Drennan, A. M , M.D., F.R.C.P.Ed. Prof.
Forbes, W., B.Sc., M.B., Ch.B. Sr. Lectr.
Ogilvie, R. F., M.D., F.R.C.P.Ed. Lectr.
Campbell, A. C. P., M.B , Ch.B., F.R.C.P.Ed. Lectr.
Leitch, L. G., M.B., Ch.B. Lectr.
Maloney, G. F. J., M.B., Ch.B., B.Sc. Lectr.
Davidson, J., M.B., Ch.B., F.R.C.P.Ed Lectr.
Maclean, N., M.B., Ch.B. Lectr.
MacDonald, Mary K., M.B., Ch.B. Asst.
Rhaney, K., M.B., Ch.B. Asst.

Psychiatry

Henderson, Sir David K., M.D., F.R.F P.S. Prof.
Batchelor, I. R. C , M.B , Ch.B. Lectr.
Stalker, H., M.B., Ch.B., M.D. Lectr.

Public Health and Social Medicine

Crew, F A. E., M.D., D.Sc , Ph.D , F.R.S., F.R.C.P.Ed. Prof.
Clark, W. G., M.B., Ch.B. Glas. (M.O.H. for the city) (San. Admin.) Sr. Lectr.
Passmore, R., M.A., D.M. Oxon. (Clin. and Indust. Physiol.) Sr. Lectr.
Scott, R., M.D., D.P.H. Lectr.
Swanston, Catherine N., D.I.H., D.P.H. (Industrial Health) Lectr.
Woolf, B., M.A., Ph.D. Camb. (Medical Statistics) Lectr.
Seiler, H. E., M.D. Glas. Lectr.
Gammie, J. L., M.B., D.P.H. Aberd. Lectr.

Curran, E. J., M.B., B.Ch. Lectr.
Hobson, B. M., B.Sc. Aberd. Lectr.
Thomson, J. G., M.B., Ch.B. Glas. Lectr.
Paterson, J. E., M.A. Glas. Asst.
Hardwick, D. C., B.Sc. Lond. Asst.
Stein, Lilli, B A Camb. Asst

Radiology

McWhirter, Robert, 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.
M'Gibbon, J. P., M.D., D.P.H., D.M.R., F.R.C.P.Ed. Lectr.
Brown, W. M. C., M.B., Ch.B. St. And. Lectr.
Murison, C. A., M.A. Aberd., Ph.D. Lond. (Physics) Lectr.

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.
Douglas, D. M., M.B.E., Ch.M. St. And., F.R.C.S. (Experimental S.) Reader.
Gillies, J., M.B., F.R.C.S.Ed. (Anæsthetics) Reader.
Band, D., M.B., Ch.B., F.R.C.S.Ed. (Urological S) Lectr.
Brown, J. J. M., M.B., Ch.B., F.R.C.S.Ed. (Pædiatric S.) Lectr.
Wallace, A. B., M.Sc. McG., M.B., Ch.B., F.R.C.S.Ed. (Plastic S.) Lectr.
Logan, A., M.B., Ch.B. St. And., F.R.C.S.Ed. and Eng. (Thoracic S.) Lectr.
Bruce, J., M.B., Ch.B., F.R.C.S.Ed. Lectr.
Graham, A. J. P., M.B., B.S. Lond. Lectr.
Millar, T. McW., M.B., Ch.B., F.R.C.S.Ed. Asst.
Ghent, W. R., M.D., C.M. Qu. Asst.

Therapeutics, v. also *infra*, Clin. Teaching Staff

Dunlop, D. Melville, B.A. Oxon., M.D. Prof.
Hill, I. G. W., C.B.E., M.B., Ch.B., F R.C.P.Ed. Lectr.
Rolland, C. F., B.A. Camb., M B., Ch.B. Lectr.

Tropical Climates Diseases

Hodge, Lt.-Col. E. H. V., B.A., M.D. Camb., F.R.C.P. Lectr.

Tropical Hygiene

Curran, Lt.-Col. E. J., M.B., B.Ch. Lectr.

Tuberculosis

Cameron, C., M.A., M.D. Glas., D.P.H , F.R.F.P.S. Prof.
Horne, N., M.B., Ch.B. Asst.

Venereal Diseases

Batchelor, R. C. L., M.A., M.B., Ch.B., F.R.C.S.Ed., D.P.H. Ed and Glas. Lectr
Murrell, Marjory, M.B., B.S. Lond. Asst.
Lamberty, N. A., M.B., Ch.B. Asst.

Clinical Teaching Staff

ROYAL INFIRMARY—

Clinical Surgery

Surgeons

Jardine, F. E., M.B., Ch.B., F.R.C.S.Ed.
Wood, W. Q., M.D., Ch.M., F.R.C.S.Ed.
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. Paterson, M.B., Ch.B., F.R.C.S.Ed.
Stewart, R. L., M.B., Ch.B., F.R.C.S.Ed.

Asst. Surgeons

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.
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.
Lowdon, A. G. R., M A., M.B., Ch B., 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

Clinical Medicine

Physicians

Lyon, Prof. D Murray, M D., D.Sc., F.R.C.P.Ed
Hewat, A F., M.D., F.R.C.P.Ed.
Small, W. D. D., C.B E., M.D , F R C.P.Ed
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.

Asst. Physicians

Slater, J. K., C.B.E., M.D., F.R.C.P.Ed.
Cameron, J. D. S., M.D., F.R C.P.Ed.
Lyon, R. M. Murray, 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.

Clinical Obstetrics and Clin. Gynæcology

Obstetricians and Gynæcologists

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.

Asst 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.
MacGregor, T. N., M.D., F.R.C.S.Ed.

Jr. Asst. Obstetricians and Gynæcologists

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.

Ophthalmology

Surgeons

Graham, C. W., M.B., Ch.B., F.R.C.S.Ed.
Paterson, J. R., M.B , Ch.B., F.R.C.S.Ed.

Asst. Surgeons

Scott, G. I., M.B., Ch.B., F.R.C.S.Ed.
Macaskill, J., M.B., Ch.B., F.R.C.S.Ed.

Ear, Nose, Throat

Surgeons

Martin, G. E., M.A., M.B., Ch.B., F.R.C.S.Ed.
Hall, I. S., M.B., Ch.B., F.R.C.S.Ed.

Asst. Surgeons
Stewart, J. P., M D., F.R.C.S.Ed.
Smith, A. B., M.D., F.R.C.S Ed.

Jr. Asst. Surgeons
Farquharson, I. M., M.B., Ch B., F.R.C.S.Ed.
Lumsden, R. B., M.B., Ch.B., F.R.C.S.Ed.

Dermatology

Physicians
Aitken, R., M.D., F.R C.P.Ed.
Percival, Prof. G. H., M.D., Ph.D., F.R.C.P.Ed., D.P.H.

Asst. Physicians
Peterkin, G. A. G., M.B., Ch.B., F.R.C P.Ed.
Hannay, P. W., M.B., Ch.B.

ROYAL HOSPITAL FOR SICK CHILDREN—

Physicians
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.
Henderson, J. L., M.D., F.R.C.P Ed.

Asst Physicians
Miller, R A., M.A., M.D., F.R.C.P.Ed.
Douglas, D. M., M.B., B.S.

Surgeons
Brown, J. J. M., M.B., Ch.B., F.R.C.S.Ed.
Wallace, A. B., M.B., Ch.B., F.R.C.S.Ed.

Asst. 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.

Associate Neurological Surgeon
Dott, Prof. N. M., C.B.E., M.B., Ch.B., F.R.C.S.Ed.

MUNICIPAL HOSPITALS—

Medical Unit

Director—Davidson, Prof. L. S. P., B.A., M.D , F.R.C P.Ed.
Physician—Turner, R. W. D., M.A , M D.

Asst. Physicians
Sclater, J. G., B.Sc., M.B., Ch.B., F.R.C.P.Ed.
Bruce, J. A , M.B., Ch.B., F.R.C.P.Ed.

Surgical Unit

Director—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.

Surgeons
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.

Assistant Surgeon
Slessor, A. J., M.B., Ch.B., F R C S.

Obstetrics and Gynæcology Unit

Director—Kellar, Prof. R J., M.B.E , F.R.C.S.Ed., F.R.C.P.Ed , F.R.C.O.G.

Deputy Director—
Asst. Gynæcologists—Little, Ethna, M.B., Ch.B., F.R.C.S.Ed.
Paterson, Susanne J., M.A., M.D., F.R.C.S.
Anderson, A. F., M.B., F.R.C.S.

Children's Unit

Director—Ellis, Prof. R. W. B., O.B.E., M.A., M.D., F.R.C.P.Ed.

Asst. Physicians
Douglas, D. M., M.B., Ch.B.
Tait, H. P., M.D., F.R.C.P.Ed.

Visiting Pædiatrician
Donaldson, Glenys, M B., Ch.B.

Dentistry

Dental Surgery and Pathology and Dental Radiology

Hutchison, A. C. W., D.D.S. Rand, L.D.S. Manc. Sr. Lectr.
Gilbert, R. K., L.D.S. Lectr.

Dental Anatomy and Physiology

Kemball, C. H, D.D S. Pennsylvania, H.D.D., L.D.S. Lectr.

Orthodontics

Johnston, Dorothy L., L.D.S. Asst.
Logan, W. R., O.B.E., H.D.D., L.D.S. Asst.

Operative Dental Surgery

Thexton, R., H.D.D., L.D.S. Lectr.
Wishart, C., B D.S. Durh., L.D.S. Lectr.

Dental Mechanics and Prosthetics

Watt, D. M., H.D.D., L.D.S. Lectr.
Dundas, C. F., L.D.S. Lectr.
Gibson, F., L.D.S. Asst.

Dental Anæsthetics

Brown, A. J., F.R.C.S., L.D.S. Asst.
Duvall, A. E., H.D.D., L.D.S. Asst.

Physical Education

Usher, Col. C. M., D.S O, O.B.E. Director.

Extra-mural Studies

Hossack, J., M.A., B.Com. Director.

Romanes Lecturer

.....

Gifford Lecturer in Nat. Theol.

Rev. Prof. C. E. Raven, D.D.

Sharpey Schafer Memorial Lecturer (Physiology), biennial

1949—Professor Henry S. Raper, C B.E, D Sc, M B., Ch B, M.Sc, LL D., F.R C P., F R S (Dean of the School of Medicine and Professor of Chemistry and Physiology, Manchester)

ADMINISTRATIVE OFFICERS

UNIVERSITY OFFICE. Jt. Deputy Sec., W. A. Coutts, M.A., T. A. Joynt, M.A.; Asst. Sec., ...; Asst. Sec. (Technical), L. D. Macmillan, B.L.

SR. ADMINISTRATIVE OFFICERS. Faculty of Science, A. H. W. Weir, B.Sc.; Faculty of Medicine, A. M. Gordon.

UNIVERSITY LIBRARY. Deputy 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.

UNIVERSITY ORGANIST. Herrick Bunney, B.Mus., F.R.C.O.

MASTER OF WORKS. J. Hamilton.

CONSTITUENT COLLEGE

NEW COLLEGE (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., S.T.D. Sec., Rev. Prof. N. W. Porteous, M.A., D.D. *Staff*: The Profs. and Lectrs., as above. *Librarian*: J. B. Primrose, M.A. (over 100,000 vols. in the collection). *Christian Sociol.*, Rev. W. S. Tindal, M.A., Warden of New College Settlement. *Elocution*, Rev. Frank Philip.

AFFILIATED COLLEGES

HERIOT-WATT COLLEGE, Chambers St., Edinburgh. 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. 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, Langs. and Music. Special courses arranged for research students. Degree courses for B.Sc. of Edinburgh Univ. in Mech., Electr. and Mining Engineering and in Tech. Chem. Diplomas and Associateships for full-time day study in Mech. Eng., Electr. Eng., Mining Eng., Applied Chem., Brewing and Distilling. Certificate courses in Brewing, Building, 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. Examns., or satisfy the Principal as to the adequacy of their general education.

Students holding a degree in Pure or Applied Sci. of a recognized Univ. may be admitted for special study for Diploma and Associateship.

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 : 12 : 6; Diploma and Certificate, £1 : 10s. for full-time students; others, 10s. Tuition fees for Degree courses: Engineering, £39 : 18s.; Technical Chemistry, £33 : 12s. Tuition fees for Diploma courses: Mech. or Elec. Engin., £27 p.a.; Mining Engin., £30 p.a.; Applied Chem., £25 p.a. (1st and 2nd yrs.), £20 p.a. (3rd and 4th yrs.); Brewing, £15 : 15s. p.a. for Certificate courses; Building, £24 p.a.; Optics, £25 p.a.; Pharmacy, £26 : 5s. p.a.; Brewing, £15 : 15s. p.a.; Printing, £18 : 18s. p.a.

Staff: *Chem.*, vacant; Sr. Lectr., J. Sandilands, Ph.D., F.R.I.C.; 6 other Lectrs. *Brewing and Industrial Fermentation*, Prof. I. A. Preece, M.Sc., Ph.D., F.R.I.C. *Eng., Electr.*, Prof. M. G. Say, Ph.D., M.Sc., D.I.C.; Sr. Lectr., E. O. Taylor, B.Sc., D.I.C.; 6 Lectrs. *Eng., Mech.*, Prof. W. G. Green, B.Sc., Ph.D.; Asst. Profs. H. H. Vaughan, B.Sc., R. S. Smillie, B.Sc.; 9 Lectrs. *Eng., Mining*, Prof. R. McAdam, B.Sc., Ph.D.; 5 Lectrs. *Maths.*, R. Smart, M.A., and 3 Lectrs. *Physics*, Prof. W. H. J. Childs, D.Sc., F.I.P.; Sr. Lectr., J. Milne, B.Sc., 2 Lectrs. *Building*, N. C. Sidwell, B.Sc., and 2 Lectrs. *Pharmacy*, H. H. Campbell, B.Sc., Ph.C., F.R.I.C., and 4 Lectrs. *Printing*, F. P. Restall and 4 Lectrs. In addition, 88 visiting lecturers and instructors.

ROYAL (DICK) VETERINARY COLLEGE, EDINBURGH. Founded 1823, incorporated 1906. Affiliated to the Univ. of Edinburgh 1933. Inclusive fee for all subjects, £35 : 13s., for each period of 3 terms. Facilities for postgraduate study (enquiries to be addressed to the Principal).

Principal and Prof. of Surgery: W. M. Mitchell, M.C., T.D., B.Sc., M.B., Ch.B. Profs.: *Anat.*, T. Grahame, T.D., F.R.C.V.S.; *Animal Husbandry*, A. Robertson, M.A., B.Sc., Ph.D., F.R.I.C.; *Med. and Pharmacol.*, G. F. Boddie,

B.Sc. Sr. Lectrs. in charge of *Bacteriol.*, A. C. W. Little ; *Pathol.*, I. S. Beattie, B.Sc. ; *Physiol.*, F. J. Elliott, M.Sc., Ph.D., F.R.I.C. 12 Sr. Lectrs., in addition, 12 Jr. Lectrs., 6 External Teachers, 3 Clinical Assts., 12 Demrs.

ASSOCIATED COLLEGE, in which Univ. courses are provided.

THE EDINBURGH SCHOOL OF AGRICULTURE, THE EDINBURGH AND EAST OF SCOTLAND COLLEGE OF AGRICULTURE. Principal: Prof. S. J. Watson, D.Sc., F.R.I.C ; Deputy Principal: J. E. Gordon, Ph.D. *Agric. and Rural Econ.*, J. E. Gordon, Ph.D., A. E. Cox, B.Sc., R. G. Johnston, B.Sc. ; *Chem. and Agric. and Forest Chem.*, A. M. Smith, Ph.D., D.Sc., F.R.I.C., F. E. Moon, M.Sc., Ph.D., H. Tod, Ph.D., J. McGillivray, A. Comrie, Ph.D. ; *Botany (Agric., Hortic. and Econ.)*, E. W. Fenton, M.A., D Sc., E. W. Debney, Ph.D., J. Patricia Watts, B Sc. ; *Zool*, P. F. Kendall, B Sc. ; *Bacteriol.*, T. Gibson, D.Sc., Mrs. Anna C. Stirling, B.Sc. ; *Eng. and Surveying*, L. M. Walker, B.Sc., J. Weir, B.Sc., A. Hardie, B.Sc. ; *Hortic.*, G. M. Stuart, M.B.E. ; *Adv. Econ.*, D. Witney, B.Com., J. D. Nutt, B.A., D. M. Leask, B.Sc., W. B. Duthie, B.Sc., J. R. Phillips, J. W. Davis, B Sc., J. MacLellan, B Sc., E. Stewart, B.Sc. ; *Beekeeping*, J. Cunningham ; *Adv. Bot.*, R. G. Heddle, M.A., B.Sc. ; *Plant. Pathol.*, C. C. V. Batts, B.Sc. ; *Adv. Bacteriol.*, A. Cunningham, D.Sc., L. A Mabbit, B.Sc., D H. McLeod, B.Sc. ; *Adv. Entomol.*, A. E. Cameron, M.A., M.Sc., D.Sc., J. W. McHardy, B.Sc., I. D. West, B.Sc ; *Vet. Investigation Service*, J. T. Stamp, B.Sc., D. I. Nisbet, B.Sc., J. A. Watt, B.Sc. ; *Statistics*, D. H Lawley, M.A., D.Sc. Extension Staff: *Regional Directors*, G. A. Catto, B.Sc., A. K. M. Meiklejohn, B.Sc. ; 38 Assistants.

As from Oct. 1, 1948, The Edinburgh and East of Scotland College of Agriculture and Edinburgh Univ. Dept. of Agriculture were combined to form The Edinburgh School of Agriculture.

GENERAL INFORMATION, v. also pp. 464 ff.

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 completed in 1838. Newer buildings include the Medical Buildings and the McEwan Hall (1888–97), which holds 2600 and has a great electric organ ; and "The King's Buildings" (commenced in 1920) for Chemistry and other Science Depts. The Medical School of this Univ., has been famous for many generations ; specially ample provision exists also for instruction and research in Theology (postgrad. school instituted 1919), Agric., For., Engin., Mining and Vet. Sc. Edinburgh is the seat of the Scottish Supreme Courts of Law.

LIBRARY, founded in 1580, about 540,000 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 a valuable Reid Music Library. *A catalogue of the printed books*, 3 vols., was published 1918–23. 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., Psych., 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. (1) Arts, (2) Science (including Engineering, Mining, Technical Chemistry, Agriculture, Forestry and Veterinary Science, as well as Pure Science), (3) Divinity, (4) Law, (5) Medicine (including Dentistry), (6) Music. Deans: (1) Prof. W. H. Bruford (German), (2) Prof. R. N. Arnold (Engin.), (3) Very Rev. Prof. J. Baillie, (4) Prof. M. G. Fisher (Civil Law), (5) Prof. Sir Sydney Smith (Forensic Med.), (6) Prof. S. T. M. Newman (Music).

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 (v. also pp. 465 ff.).

A candidate for the B.Sc. in *Vet. Sc.* must (i) have passed the Prelim. examn. for degrees in Sci., (ii) have been engaged in Vet. study for 5 yrs., (iii) have a registrable qualification, (iv) have attended certain specified courses, including 1 yr. of study in this Univ. The Royal (Dick) Vet. Coll., Edin., provides certain of the qualifying courses.

Candidates for the *Mus.Bac.* must have passed the Prelim. Examn. or its equivalent, together with a qualifying examn., and attended a course in this Univ. during 3 winter sessions. A Mus.Bac. of 3 yrs.' standing, and not less than 25 years of age, may offer himself for the Mus.Doc. (which may also be conferred *honoris causa*) as Composer, as Executant, or as Theorist or Historian.

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 Psych., Theory and Hist. of Edn., 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.

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, University New Buildings, Edinburgh 8. The Postgraduate School of Theology issues a detailed list of courses. Graduates contemplating research should apply to the Deans.

SCHOLARSHIPS (v. also pp. 467-468). Total annual value over £30,000; for graduates only, £6000. Most are open to colonial and foreign students. The Earl of Moray's Endowment provides about £1100 p.a. for *research*.

Travelling for study or research is encouraged by Dickson Fund (£90 p.a.), Dundas Latin Studies Fund (£40 p.a.), Drummond Mathematical Scholarship (£140 p.a. for 2 yrs.), Maclaren Mathematical Scholarship (£200 for 2 yrs.), Scott Scholarship for Graduates in Arts (£77), M'Cosh Bursaries for Graduates in Medicine (£312), Lorimer Scholarship in Law (£170 for 1 yr.).

FEES (v. also Carnegie Trust, p. 468). 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 Sc., Ord., 114 gs., Hons., 152 gs.; B.D., 51 gs.; M.B., Ch.B., approx. 225 gs. 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 men: Cowan House, George Square (Warden: C. A. Lyall, B.Sc.), accommodation for about 100 students, terms,

£29 to £34 per term; Norway House, 37 Inverleith Place (Warden: Mrs. C. M. Bridge), accommodation for 26 students, terms, £3 : 9s. to £3 : 15s. per week; Salisbury Green, Dalkeith Road (Matron: Mrs. Lindsay), accommodation for 43 students, terms, £2 : 5s. per week; University residence for Midwifery Students, Chalmers Street, terms, £2 : 15s.–£3 per week. For women: five hotels at Craigmillar Park, East Suffolk Road (Warden: Miss E. E. Looker, B.A.), £75 for the three terms; Masson Hall, 31 and 32 George Square and Annexes (Warden: Mrs. Janet Veitch, M.A., Ph.D.); Muir Hall, 12 George Square (Warden: Miss Mary Bone, M.A.), £90 for the three terms; St. Leonard's House, Park Road (Warden: Miss M. Macdonald), accommodation for about 43 students, terms, £2 : 5s. per week. The University Settlement (Warden: Miss A. M. Sinclair, M.A.) has study-bedrooms for ten students (5 men and 5 women) at Cameron House, Prestonfield, terms, £2 : 5s. per week. Six months' notice generally necessary.

APPOINTMENTS COMMITTEE. Secretary, Old College, The University.

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.

GENERAL ADVISER OF WOMEN STUDENTS: Miss Florence E. Waldron, B.A., Old College.

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.

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, which meet in the University Buildings, had an enrolment of 531 men and 882 women—total 1413. A University Extra-mural Committee organizes Courses of Lectures in the south-east area of Scotland. Classes were held in 26 centres, attended by 1187 students.

OFFICIAL PUBLICATIONS. The *Calendar* (Sept.), 5s.; the *Prelim. and Degree Examn. Pprs.* (May and July), 5d. to 2s. a set (James Thin, 55 South Bridge). The *Students' Handbook* issued by the Students' Representative Council. *Facilities for advanced Study and Research* free on application.

HISTORIES OF THE UNIV.: Bower, Alexr., chiefly compiled from original papers and records, never before published, 3 vols., Edin., 1817–30; Dalzel, Andrew (ed. by D. Laing), with a Memoir of the Author (by C. Innes), 2 vols., Edin., 1862; Grant, Sir Alexr., 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.

THE YEAR 1948–49

BENEFACTIONS. From Dr. James McLaren, $500, for the Dept. of Chemistry; the late G. R. Hastilow, £13,258 : 19 : 1, to provide a scholp. or scholps. for research in cancer or rheumatism or both; the late Miss A. E. Murray, £50, to the Cancer Research Dept. of the Univ.; a renewed grant from the Combe Trust of £200 for the support of the Dept. of Psychol.; Mrs. Frances Alma Smith or Kirkpatrick or Khomenko, widow of Prof. John Kirkpatrick, £1000, for behoof of the Kirkpatrick History Library; Prof. John Kirkpatrick, the residue of his estate, £1000 of which is for behoof of the Kirkpatrick History Library and the remainder for the general purposes of the Univ.; Miss Amelia Hutchison Stirling, daughter of the late James Hutchison Stirling, £300, for founding a prize in the class of Logic and Metaphysics, to be known as "The James Hutchison Stirling Prize"; Mrs. J. L. Lunham, the medical textbooks and a set of surgical instruments which belonged to her late husband, Col. John Lunham; Dr. William Brown, Kelso, a collection of medical lantern slides dealing chiefly with diseases of children; the late Mrs. Frances Alma Smith or Kirkpatrick or Khomenko, one-half (about £2000) of the residue of her estate, for the Kirkpatrick History Library; Dr. E. H Cameron, the original manuscript of the obituary notice by Dr. John Brown of Sir Robert Christison, Bt.; Miss Wallace Williamson, a letter from Principal Sir William Turner to Dr. Wallace Williamson with reference to the latter's address on the death of Lord Lister; Miss K. Mackinnon, the remaining papers of the late Prof. Donald Mackinnon, most of whose collection came to the Univ. under the Roger McNeill bequest in 1924; Distillers Co. Ltd., £500 p.a. for 3 yrs., in the first place, to enable one or two students to undertake research in the Dept. of Organic Chem. under the general direction of Prof. Hirst; a further allocation of $1400 in connexion with the Rockefeller Book Scheme; Mrs. Helene Curiel, $1000 in appreciation of the assistance given to her nephew Walter Tebrich; the Trustees of the Thomson Research Fund, £5000 and an annual sum of £1000 up to 1952, in part endowment of a lectureship or readership in educational research; S. J. L. Hardie, £1000 p.a. for 4 yrs., to be applied towards research on heart diseases; Mrs. David Foggie, a pencil portrait of the late Prof. Sir D. F. Tovey; the New Zealand Govt., £500, towards the cost of a proposed hostel for postgraduate students; the Universities and Cultural Institutions of the Argentine Republic, through the Argentine Ambassador, about 80 volumes of Argentine publications; Dr. John Thomson, Edinburgh, a set of lantern slides presented to the Dept. of Botany; Theodore Spicer-Simson (through Miss Mary I. Wood, 13 Learmonth Gardens, Edinburgh), a medallion portrait of the late Prof. John Philp Wood, father of Miss Wood and Prof. of Conveyancing in the Univ. from 1891 to 1900; Sir John T. Usher, Bt., a portrait in oils of his grandfather, Sir John Usher of Norton; Miss E. B. K. Gregorson and her sister, Mrs. Sillar, a collection of books and manuscripts; Lord Lindsay, Master of Balliol Coll., Oxford, a volume of letters to Principal William Carstares; Dr. Henry G. Farmer, a letter to John Thomson in support of his application for the Chair of Music; Sir James Purves-Stewart (subject to a life interest), £2500, the income to be used in assisting young graduates who would benefit by temporary financial assistance.

HONORARY DEGREES. *D.D.*—Rev. R. T. Cameron, Minister of West Church of St. Andrew, Aberdeen; Rev. J. W. C. Dougall, General Sec., Foreign Mission Dept. of the Church of Scotland; Rev. J. K. Grant, Salisbury, Southern Rhodesia; Rev. J. Maclagan, formerly Minister of Merrylea Church, Glasgow; Rt. Rev. H. K. Sherrill, Presiding Bishop of the Protestant

Episcopal Church, U.S.A. *LL.D.*—H.R.H. The Princess Elizabeth ; J. Allan, Keeper of the Dept. of Coins and Medals in the British Museum ; R. B Fosdick, lately President of the Rockefeller Foundation ; Sir F. R. Fraser, Director, British Postgraduate Medical Federation ; Sir T. R. Gardiner, formerly Director-General of the Post Office ; sometime Sec., Ministry of Home Security ; Sir Ian M. Heilbron, Prof. of Organic Chem., Imperial Coll. of Science, Univ. of London ; R. C. Henderson, Prof.-Emeritus of Scots Law, Univ. of Edinburgh (*in absentia*) ; Sir Peter D Innes, formerly Chief Educn. Officer, Birmingham ; lately a member of the Univ. Grants Committee ; W. M. Mackenzie, Historian ; The Hon. Lord Mackintosh, Senator of the Coll. of Justice, Chancellor's Assessor on the Univ. Court, Univ. of Edinburgh ; Prof. J. Maritain, Prof. of Philosophy in the Catholic Institute of Paris, lately French Ambassador at the Vatican ; H. P. Morrison, Managing Director of Messrs. Thomas Nelson & Sons, Ltd., Publishers. *Mus.Doc.*—H. G. Farmer, Author ; H. Wiseman, Head of Scottish Music, B.B.C., and formerly Director of Music under the Edinburgh Education Committee. *M.A.*—H. M. Paton, lately Curator of Historical Records, Register House, Edinburgh.

New Posts. Professorship in Orthopædic Surgery. Lectureships in Imperial and American Hist., Sanskrit, Russian, Persian and Turkish

Students. Total : 6700 ; full-time : 5640 ; pt.-time : 1060 ; the total includes 1780 women and 321 postgraduates.

Degrees. B.D., 8 (m.) ; M.A. (Ord.), 134 (m.), 181 (w.) ; M.A. (Hons.), 91 (m.), 57 (w.) ; B.Com., 28 (m), 3 (w.) ; B.Ed., 7 (m.), 1 (w.) ; B L., 50 (m.), 3 (w.) ; LL.B., 37 (m.), 2 (w.) ; B.Sc. Pure (Ord.), 33 (m.), 21 (w.) ; (Hons.), 54 (m.), 22 (w.) ; B.Sc. Engin. (Ord.), 38 (m.), Hons., 18 (m.) ; B.Sc. Agric. (Ord.), 24 (m.), 7 (w.) ; (Hons.), 4 (m) ; B.Sc. Forestry (Ord.), 37 (m.) ; B.Sc. Vet. Sc , 35 (m.), 2 (w) ; B Sc. Mining (Hons), 3 (m.) ; B.Sc. Tech. Chem. (Hons.), 8 (m.) ; D Litt., 2 (m.) ; D.Sc. Pure, 1 (m.) ; M.B., Ch.B., 104 (m.), 52 (w.) ; M.D., 10 (m.), 2 (w.) ; Ch.M., 2 (m) ; Mus.Bac., 2 (m.), 2 (w.) ; Ph.D. Arts, 10 (m.) , Ph.D. Science, 38 (m.), 6 (w) ; Ph.D. Medicine, 5 (m.), 5 (w) ; Mus.Doc., 1 (m.).

Diplomas D.P H., 8 (m.), 1 (w.) ; D.I.H , 3 (m) ; D T.M. & H , 9 (m.), 1 (w) ; D.M.R., 11 (m.), 2 (w.) ; Sister Tutor Cert., 2 (m.), 20 (w.) ; Dip. Educn., 17 (m.), 38 (w.) ; Dip. Social Study, 1 (m.), 16 (w.) ; Dip. Agric. Sc., 5 (m.) ; Dip. in Admin. Law and Practice, 2 (m.), 1 (w.) ; Cert. Physical Prof., 25 (m.), 14 (w.) ; Cert. Social Study, 3 (m.), 34 (w.) ; Cert. Psychiatric Social Work, 2 (m.), 10 (w.) ; Cert. Pub. Admin., 6 (m.), 1 (w.).

UNIVERSITY OF GLASGOW

Founded 1451

CHANCELLOR—Rt. Hon. LORD BOYD ORR OF BRECHIN, D.S.O., M.C., 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., Princeton, Camb., Sheff., Wales, D.Litt. McGill, M.A.

RECTOR—JOHN M. MACCORMICK, M.A., LL.B.

DEAN OF FACULTIES—Emeritus Professor WILLIAM RENNIE, C.B.E., M.A , Litt.D., LL.D.

SECRETARY OF THE UNIV. COURT AND REGISTRAR—R. T. HUTCHESON, M.A., Ph.D.

CLERK OF SENATE—Prof. C. J. FORDYCE, M.A. Glas. and Oxon.

LIBRARIAN AND KEEPER OF HUNTERIAN BOOKS AND MSS.—W. R. CUNNINGHAM, M.A., LL.D.

CLERK OF THE GENERAL COUNCIL—D. M. HUTCHISON, LL.B.

Telephone: Glasgow, Kelvin 2231.

TEACHING STAFF

Accountancy

Browning, R., M.A., LL.B. Prof.
Forbes, R. H. Asst.

African Studies

Price, T., M.A., Ed.B. Lectr.

Agriculture, v. *infra*, West of Scotland Coll. of Agr.

Anatomy

Wyburn, G. M., M.B., D.Sc. Reg. Prof.
Bacsich, P., M.D. Szeged., D.Sc. (Embryol.) Lectr.
Connell, W. K., M.B. (Temp.) Lectr.
Young, A., M.A. Camb., M.B. Lectr.
Mitchell, R., M.A., M.B., Ch.B. Lectr.
and Assistants.

Ancient History

Burn, A. R., M.A. Oxon. Lectr.

Arabic

Bishop, E. F. F., M.A. Camb. Lectr.

Astronomy

Smart, W. M., M A. Glas. and Camb., D.Sc., F.R.A.S. Reg. Prof.
Tannahill, T. R., M.A., B.Sc., Ph.D. Lectr.
Sweet, P. A., M.A. Camb. Lectr.

Biblical Studies

Craig, Rev. A. C., M.A., D.D. Edin. Lectr.

Biochemistry, v. Med.—Pathol. Biochem.

Botany

Walton, J., M.A., Sc.D. Camb., D.Sc. Manc. Reg. Prof.

Lecturers

Williams, S., M.Sc. Manc., Ph.D., D.Sc.
Thomson, J., M.A., B.Sc., Ph.D.

Bond, G., Ph.D., D.Sc.
Case, Isobel M., M.A., B.Sc., Ph.D.
Hutchinson, S. A., B.Sc., Ph.D. Bristol.
Conway, Elsie, B.Sc., Ph.D. Liv.
Crundwell, A. C., B.A. Oxon.
Fletcher, W. W., B.Sc.
Ribbons, B. W., B.Sc. Lond. Asst.

Celtic

Matheson, A., M.A. Edin. Lectr.
Thomson, D. S., M.A. Aberd. Lectr.

Chemistry, v. also Physiol. Chem.

Cook, J. W., D.Sc., Ph.D. Lond., Sc.D. Dub., F.R.I.C., F.R.S. Reg. Prof.
Robertson, J. M., M.A., Ph.D., D.Sc., F.R.S. Gardiner Prof.

Lecturers

Bell, J., Ph.D., D.Sc., F.R.I.C. Asst. Dir. of Chem. Labs.
Gibson, D. T., M.Sc. Belf., Ph.D. Lond., D.Sc. (Med. Students).
Mair, J. A., B.Sc., Ph.D. (Anal. Chem.).
Chisholm, D., B.Sc., Ph.D.
McCulloch, W. P., B.Sc.
Goodwin, T. H., B.Sc., Ph.D. Birm.
Lewin, Christina T., B.Sc.
Speakman, J. C., M.Sc., Ph.D. Sheff.
Gunstone, F. D , B.Sc., Ph.D. Liv.
Reed, R. I., B.Sc., Ph.D. Lond.
Tucker, S. H., M.A. Oxon., D.Sc., Ph.D. Lond., F.R.I.C. (Org. Chem.).
Buchanan, C., B.Sc., Ph.D.
Brand, J. C. D., M.Sc., Ph.D. Lond.
Kent, Andrew, M.A., B.Sc., Ph.D.
Storrie, F. R., B.Sc., Ph.D.
Loudon, J. D., Ph.D., D.Sc.
Robertson, J., B.Sc.
M'Alpine, Irene M., B.Sc., Ph.D.
Mitchell, Stotherd T. R., D.Sc., Ph.D. (Physical Chem.).
Thomson, George, B.Sc., Ph.D.
James, J. C., B.Sc., Ph.D. Lond.
Raphael, R. A., B Sc., Ph.D. Lond.
Payne, D. S., B.Sc., Ph.D. Lond.
Buchanan, G. L., B.Sc.
Clar, E., Dr. Ing.

Assistants

Schwarz, F., B.Sc. Tech. Manc.
Graham, S. H., B.Sc.
Ritchie, A. C., B.Sc.
Watson, J. S., B.Sc.
Thomson, S. J., B.Sc.
Hunter, L., B.Sc.
Childs, D. G., B.Sc.

Chemistry, Metallurgical

Hay, R., B.Sc , Ph.D. Lectr.

Classics : Greek, v. also Philol.

Gomme, A. W., M.A. Camb., F.B.A. Prof.

Lecturers

Carnegie, J., M.A. Aberd. and Camb.
Weiss, Helen, D.Phil. Basle, M.Litt. Camb Lectr.
Chalk, H. H. O., M.A. Lectr.

Classics : Latin, v. also Philol.

Fordyce, C. J., M.A. Glas. and Oxon. (Humanity) Prof.

Lecturers

McGlynn, P., M.A., D.Litt.
Way, J. A. H., B.A. Oxon.
Campbell, I. M., M.A. Glas. and Oxon. (Comp. Philol.).
Dilke, O. A. W., M.A.
Squire, S. G., M.A. Camb. Asst.
Noyce, Enid R. M., B.A. Oxon. Asst.

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.
Barclay, Rev. W., M.A., B.D. Lectr.

Foster, Rev. J., M.A. Birm., D.D. Aberd. (Church Hist.) Prof.
Henderson, I., B.D. Edin. (Systematic Theol.) Prof.

Economics, v. Pol. & Social Econ.

Education

Nisbet, S. D., M.A., B Ed. Prof. (from Oct. 1951)
Rusk, R. R., Ph.D. Jena, M A. (Temp.) Lectr.

Embryology, v. Anat.

Engineering, v *infra*

English Language and Literature

Alexander, P , M.A. Reg. Prof.
Davis, N., M.A. Oxon. and N.Z. (Eng. Lang.) Prof.
Purser, J W. R , B.A Dub. Lectr.
Livingstone, T. C., M.A. Lectr.
Bryce, J. C , B Litt. Oxon., M.A. Lectr.
Arnott, J. F., B.Litt. Oxon., M.A. Lectr.
Buchan, Hannah A., B.Litt. Oxon., M.A. Lectr.
Farish, J., M.A. Lectr.
Morgan, E. G., M.A. Asst.
Rillie, J. A. M., M.A. Asst.
Davies, Sarah, M.A. Wales, Ph.D. Lond. Tutor.

French

Boase, A. M., M.A. Oxon., Ph.D. Camb. Prof.

Lecturers

Anderson, N. C., M.A., L. ès L.
Hackett, C. A., M.A., D. de l'U. Paris.
Haggis, D , B.A. Lond.
Classe, André, L. ès L. Paris, D.Litt.
Jones, S., M.A. Wales.
Cohn, N. R., B.A. Oxon.
Carr, J. L., B.A. Leeds, L. ès L. Paris.
Scarfe, F. H., M.Litt. Camb., M.A. Durh.
Krailsheimer, A. J., M.A. Oxon.

Assistants

Saunders, H. R., M.A.
Short, J. P., B.A. Dub.
Wilson, Mrs. M. P. M , M.A.
Jacobs, Olive, M.A Oxon.
Bouillier, H., L ès L. Paris
Barbier, C. P., B.A. Leeds.

Genetics

Pontecorvo, G., Dr Agr Pisa, Ph.D. Edin. Lectr.
Roper, J. A., B.Sc , Ph.D. Lectr
Bevan, E. A., B.Sc. Wales Asst.

Geography

Stevens, A., M.A., B Sc. Prof.
Fairhurst, H., M.A. Liv , Ph D Lectr.
Halstead, C. A., B.Sc. Lond. Lectr.
Hinchliffe, O., B.A. Leeds Lectr.
Mitchell, N. C , M.A Belf Asst
Morgan, W. B., M.A. Oxon. Asst.
Henning, D. V., M.A. Dub. Asst.

Geology

George, T. N., D.Sc. Wales, Ph.D. Camb. Prof.
Weir, J., M.A., Ph.D., D.Sc. Lectr.
Currie, Ethel D., Ph.D., D.Sc. Lectr.
King, B. C., M.Sc. Durh., Ph D. Lond. Lectr.
Holgate, N., M.Sc., Ph.D. Manc. Lectr.
Williams, A., B.Sc., Ph.D. Lectr.
Boyd, D. M., B.Sc. Lectr.
Latham, Mary H., M.A. Asst.
Cummings, R. H., B.Sc. Asst.
Simpson, I. M., B.Sc. Edin. Asst.
Honeyman, A. M., M.A , B.Sc. Asst. and Baxter Demr.
Oswald, D. H., M.A. Oxon.

German

Smith, H., M.A. St. And., Ph.D. Marb. William Jacks Prof.
Clark, James M., M.A. Lond., Ph.D. Heidelberg Lectr.

Betteridge, H. T., B.A. Birm., Ph.D. Lond Lectr.
Guder, G., Ph.D. Edin. Lectr.
Rodger, Gillian B. B., M.A. Asst.
Knight, Dorothy, M.A. Lond. Asst.
Henkell, Brigitta Asst.

Hebrew and Semitic Langs.

Weir, Rev C. J M , B.D. Edin., D Phil. Oxon. Prof.
Mauchline, Rev J , D D Edin , M.A. (O T Lang. and Lit) Prof. and Dean of Fac. of Divinity
Anderson, H., M.A., B.D., Ph 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. (Scottish H) Prof.

Lecturers

Stones, E. L. G., B.A. Oxon., M.A.
Wright, E., B.A. Durh., M.A. Virginia.
Corlett, J F , B.A. Liv
Turner, A. C., M.A. Glas. and Oxon , B.Litt. Oxon
Pryde, G S., M.A., Ph.D. St. And. (Scottish H.).
Chrimes, S. B , M A , Ph.D. Camb. (Const. H).
James, R. I., M.A. Oxon.
Chandaman, C. D., B.A. Lond. Lectr.
Woodcock, B. L., M.A. Oxon. Asst.
Elton, G. R., B.A. Lond. Asst.
Barker, E. E., B.A. Lond. Asst.

History of Fine Arts

Young, A. M. Lectr.

History of Painting

Honeyman, T. J., M.B., F.R.F.P.S. Glas Ch.B., Hon. Lectr.

Humanity, v Classics

Italian

Meiklejohn, M. F M , M A. Oxon. Stevenson Prof.
MacKinven, A. D , M A. Lectr.
Cocozza, E , M A. Asst.
Mitchell, Mrs. M Asst.

Law, v. *infra*

Logic and Rhetoric

Campbell, C. A., M.A., D.Litt. Prof

Lecturers

Brown, G., M A. Edin.
Levett, Margaret J., M.A. Oxon.
Hirst, R J , M A. Oxon
Russell, J. J., M.A. Asst.
Toms, E , B.Sc Lond., B.A , B.Phil Oxon. Asst.

Mathematics

MacRobert, T. M., M.A., D Sc. Prof

Lecturers

Arthur, W., M C., M.A. (Eng Students)
Robb, R. A., M.Sc. Michigan, 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.
Martin, D., M.A., B.Sc., Ph.D.
McHarg, Elizabeth A., M A.
Crumless, J., M A. Asst.
Hodge, J. L., M.A. Asst.
Wilson, M. E. M., M.A. Asst.
Cunningham, C. E., M.A., B.Sc. Asst.
Howatson, G. C. R., B.Sc. Asst.
Prentice, A. R., M.A. Asst.
Nicholson, Anne E., M.A. Asst.

Medicine and Surgery, v. *infra*

Metallurgy, etc., v. *infra*, Royal Tech. Coll.

Mining

Hibberd, G., Ph.D. Dixon Prof.

Music

Bullock, E., C.V.O., D.Mus. Durh. Gardiner Prof.

Woodham, R , B.A., D.Mus. Oxon. Cramb Lectr.

Naval Archit , including Marine Engin., v. also *infra*, Royal Tech. Coll.

Robb, A. M., D Sc. John Elder Prof.
Livingstone, M. Asst.

Norse Studies

Halvorsen, E. F., Cand. Phil. Oslo Lectr.

Philology, Comp. (*Classical*)

Campbell, I. M., M.A. Glas. and Oxon. Lectr.

Romance Philology

Ullman, S. de., Ph.D. Budapest, D.Litt. Lectr.
Hope, T. E., M.A. Oxon. Asst

Philosophy, Moral, v. also Logic and Psychol.

Maclagan, W. G., M.A. Oxon., Ph.D. Edin. Prof.
Phillips, I. W., M.A Lectr
Raphael, D. D., M.A., D.Phil. Oxon. Lectr.
Cassirer, H. W., Ph.D. Lectr.
Dickie, J. S , M.A., B Sc. Lectr.

Philosophy, Natural

Dee, P. I., C B.E., M.A. Camb., F.Inst.P., F.R.S. Prof.
Gunn, J. C., M.A. Glas. and Camb. Cargill Prof.
Cochrane, Charles, M.A., B.Sc. Lectr.
M'Farlane, W., M.A., D.Sc., F.Inst.P. Lectr.
Gray, R. C., M.A., D.Sc. Lectr.
Younger, A. J., M.A., B.Sc. Lectr.
Curran, S. C., M.A., B.Sc., Ph.D. Glas. and Camb. Lectr.
Atkinson, J. R., M.A. Camb. Lectr.
Rhoderick, E. H., M.A. Oxon. Lectr.
Birks, J. B., B.A. Oxon. Lectr.
Howatson, A. F., M.A. Lectr.
Lewis, G. M., M.Sc. Wales Lectr.
McNeill, J., M.A. Lectr.
Bloomfield, G. W., B.Sc. Durh. Lectr.
Reid, J. M., M.A. Lectr.
Giles, R., B.Sc. Lectr.
Lees, Christina F., M.A. Asst.
Wilson, H W., B.Sc. Asst.

Physiology

Garry, R. C., M.B., D.Sc., F.R.C.P., Reg. Prof.
Weir, J B de V., M A., B Sc , M B. Lectr.
Garven, H. S. D., B.Sc., M.D. Lectr.
Sloan, A. W., B.Sc., M.B. Lectr.
Wright, N. C., M.A., D.Sc. Oxon., Ph D. Camb. (Domesticated Animals) Hon. Lectr.
Campbell, F. W., M.B. Lectr.
Morrison, S. D., B.Sc. St And. Lectr.
Gairns, F. Asst.
Boyd, T. A. S., M.B., Ch.B. Asst.

Physiological Chem.

Davidson, J. N., M.D. Edin., D Sc. Gardiner Prof.
Munro, H. N., B.Sc., M.B. Lectr.
Mills, G. T., B.Sc., Ph D. Liv. Lectr.
Smith, J. A. B., D.Sc. Lond., Ph.D. Birm. Hon. Lectr.
Hutchison, W. C., B.Sc., Ph.D. Edin. Lectr.
Leaf, G., M.Sc. Manc. Lectr.
Wapshaw, Mrs. H., M.B., Ch.B. Asst.
Smellie, R. M. S., B.Sc. St. And. Asst.

Political Economy

Macfie, A. L., LL.B., D.Litt. Prof.
Black, D., M.A., Ph.D. Lectr.
Buyers, J. A., M.A. (Econ. Hist.) Lectr.
Campbell, A. D., M.A. Lectr.
Meek, R. L., LL.M. N.Z. Lectr.
Gillespie, Sarah C., M.A. Lectr.

Sleeman, J. F., M.A. St. And. Lectr.
Robertson, D. J., M.A. Asst.

Political Science

Warrender, J. H., M A. Oxon. Lectr.
Hughes, C. J., M.A., B.Phil. Oxon. Lectr.

Psychology

Pickford, R. W., M.A., Ph.D. Camb., D.Litt. Lectr.
Gardner, P. A. D., M.A., B.Sc., Ed B., LL.B. Lectr.
McElroy, W. A., M.A., B.Sc. Asst.
Anderson, C. C., M.A., Ed.B. Asst.

Psychology, Industrial

Oakley, C. A., B.Sc., Ed.B. **Lectr.**

Russian

Holttum, V. E. J., B.A. Lond. Sir William Weir Lectr.
Birkett, Natalia Y. Asst.
Caird, Shiena Asst.

Scottish Literature

Scott, A. M., M.A. Aberd.

Slavonic and Eastern European Languages

Soukup, L., Th.C. Prague, Ph.D. Edin. (Czechoslovakian) Lectr.
Westfal, S S., M.A. Warsaw (Polish) Lectr.

Social and Economic Institutions, Soviet

Miller, J., M.A. Sheff. Lectr.
Schlesinger, R. J. A., Ph.D. Lond. Lectr.
Birkett, Kupava E., M.A. Sheff. Asst.

Social and Economic Research

Cunnison, J., M.A. Reader.
Leser, C. E. V., D.Phil. Zur., M.Sc. Lond. Lectr.
Bell, J. D. M., B.A. Oxon. Lectr.
Baird, R., LL.B. Lectr.
Highet, J., D.Phil. Oxon., M.A. Lectr.
Silvery, Mrs. S. D., M.A. Asst.

Social Study

Phillips, I. W., M.A. Director.
Cleveland, Agnes R., B.A. Lond. Tutor.

Spanish

Atkinson, W. C., M.A. Belf. Stevenson Prof.
M'Clelland, Ivy L., M.A. Liv. Lectr.
Metford, J. C. J., M.A. Liv. Lectr.

Theology, v. Divinity

Veterinary Studies

Weipers, W. L., D.V.S.M. Director.

Lecturers

Abbott, S G., D.V.S.M.
Thomson, A.
Lauder, I. M.
Martin, W.
Smith, Mrs. H. J. (Anat.).
McCallum, F. J. (Anat.).
Nicolson, N. (Hygiene).
Campbell, D. (Hygiene).
Dykes, G. (Med.).
McCance, C. M. (Med.).
Emslie, J. W., B.Sc. (Pathol.).
O'Sullivan, J. G. (Pathol.).
Urquhart, C M. (Pathol.).
Campbell, R. S. F. (Pathol.).
Michna, S. W. (Pathol.).
Watrach, A. M. (Pathol.).
Aitken, R. N. C. (Physiol.).
Maneely, R. B. (Physiol.).
Eadie, Elspeth J., B.Sc. (Physiol.).
Forsyth, A. A., D.V.S.M. (Surgery).
Lawson, D. D. (Surgery).
Hopkins, C. A., B.Sc. Leeds (Zool.)
MacDonald, Flora E. F. (Anat.) Asst.

Zoology

Yonge, C. M., D.Sc. Edin., F.R.S. Reg. Prof.
..... Lectr.

Jepps, Margaret W., M A. Camb., D.Sc. Lectr.
Miller, Agnes E., M.A Lectr.
Lowenstein, O., Ph.D. Birm., D.Phil Munich Lectr.
Slack, H. D , B.Sc. Lond., Ph.D. Edin. Lectr.
Downes, J. A., B Sc. Lond. (Entomol) Lectr
Brian, M V , M.A. Camb. (Entomol) Lectr
Robertson, J. D., Ph D Camb., B.Sc. Lectr.
Crowson, R. A., B.Sc. Lond. Lectr.
Steedman, H. F., B.Sc., Ph.D. Brist. Lectr
Roberts, T. D. M., B.Sc. Lond. Lectr.
Hill, A R , B.Sc., Ph.D. (Agric.) Lectr.
Hopkins, C. A., B Sc. (Vet.) Lectr.
Lawson, J. H. W., B.Sc. Lond. Asst.
Hunter, W. R., B.Sc. Asst.
Badcock, Ruth M., B.Sc. Liv. Asst.
Davidson, Norma, B.Sc. Asst.
Drummond, E. W., B.Sc. Liv. Asst.
Cook, Paula M., B.Sc. Lond. Asst.
Smith, I. C., B.Sc. Reading Asst.

Engineering

v. also Naval Archit., Mining

Small, J., D.Sc., Ph.D. (Theory and Practice of Heat Engines) Watt Prof.
Geyer, E. W., B.Sc., Ph D. Lectr.
Cameron, E. R., B.Sc. Lectr.
Chalmers, T. M., B.Sc. Lectr.
Bruges, E. A., B.Sc. Lectr.
Barr, J., B.Sc. Lectr.
Simpson, F. M., B.Sc. Lectr.

Engin., Civil and Mech.

Cook, Gilbert, D.Sc. Manc., F.R.S. Reg. Prof.
Keown, J. E., B.Sc., Ph.D. (Drawing and Design) Lectr.
Morrison, J C., B.Sc., Ph.D. Lectr.
Orr, J , B Sc , Ph.D. Lectr.
Paling, V. R , B.Sc. Lectr.
Thom, A. S., B.Sc., Ph.D. Lectr.
Morrison, D , B.Sc. Lectr.
Sutherland, H. B., S.M. Harv. Lectr.
Corry, J. S., B.Sc. Lond. Lectr.
Bannatyne, W., B Sc. Lectr.
Galloway, J. H. H., B.Sc. Asst.
Macintyre, J. S., B.Sc. Asst.

Engineering, Electrical

Hague, B., D Sc. Lond., Ph.D J. Watt Prof
Scobie, J., B Sc. Lectr.
Small, A J., B Sc , Ph.D Lectr.
Parton, J. E., B.Sc , Ph.D. Birm. Lectr.
Gordon, D. S., B.Sc. Edin Lectr.
Cruickshank, A. J. O., B.Sc. St. And. Lectr.
Sutherland, W. D., B.Sc. Edin. Lectr
Czarniecki, F K., M Sc. Warsaw, Ph.D. Edin. Asst

Engineering Production

Garvie, I., B.Sc. Lectr.

Law

Gibb, A. D., K.C., LL.B. Reg. Prof.
Baird-Smith, J. H., B.A. Oxon., LL B. Lectr.
France, K. R., B.A. Oxon., LL.B. Asst.

Administrative Law

Miller, J. B., M.A., LL.B. Lectr.

Civil Law

Muirhead, J. S., D.S.O., M.C., T.D., D.L., B.A. Oxon., LL.B. Lectr.
Barclay, R. H., B.A. Camb., LL.B. Asst.

Const. Law and Hist.

Philip, G., LL.B. Lectr.

Murdoch, J. D., M.A., LL.B. Asst.

Conveyancing

McLeish, D. A. S., LL.B. Prof.
Aitken, A., LL.B. Asst.
Donaldson, A. K , B.L. Asst.

Evidence and Procedure

Macdonald, R., B.L. Edin. Lectr.

International Private Law

Donaldson, A , M A., LL B. Lectr.

International Law, Public

Neil, J. C , M A , LL.B Lectr.

Jurisprudence, General

M'Intosh, H., M C., LL.B Lectr
Dickson, L E., B.A. Camb , LL B. Asst.

Mercantile Law

Boyd, J., M.A., LL B Prof.
Carruthers, J. D., LL.B. Asst.
Wright, T. G., LL.B. Asst.

Medicine

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

Anæsthetics

Tindal, A., M.B., Ch.B. Lectr.
Pinkerton, H H., M.B., Ch.B. Lectr.
Keir Fisher, D., L.D.S. Lectr.

Bacteriology

Browning, C. H., LL.D. St. And., M.D., D.P.H., F.R.S. Gardiner Prof.
Kyles, W. B., M.B., Ch.B. Lectr.
Lominski, I. R. W., M.D. Cracow Lectr.
O'Hea, A. J., M.B., Ch B. Asst.
Calver, Catherine M., B.Sc., Ph.D. Asst.

Dermatology

Harvey, G., M.B., Ch.B. Lectr.
Smith, M. S., M.D. Lectr.
Sommerville, J., M.B. Lectr.

Ear, Throat and Nose, Diseases of

Young, G , M C., M.B , Ch.B. Lectr.
Young, S , M.B., Ch B. Lectr.
Macartney, W. C., V.D., M.B. Lectr.
Howie, T. O., M.B. Lectr.
Connal, E. A. M., M.B. Lectr.
Watson, R. J., M.C., M.B. Lectr.
Strang, A , M B Lectr

Eye, Diseases of the

Riddell, W. J. B., M.D., F.R.F.P.S. Tennent Prof.

Forensic Medicine

Glaister, J., D.Sc., M.D., F.R.F.P.S. Glas., J.P. Reg. Prof.
Imrie, J. A., M.D., F.R.C S.Ed. Lectr.
Rentoul, E., M.B., LL.B. Asst.

Infancy and Childhood, Dis. of

Graham, S., M.D. Tor., F R.F.P S Glas., F.R.C.P.Ed. Samson Gemmell Prof.
Ford, F. J., M.D., Ch.B., F.R.F.P.S. Glas Asst.
Hutchison, J. H., O.B.E., M.D. Gow Lectr.
White, M., M.A., M.B., Ch.B., F.R.F.P.S. Glas., F.R.C.S.Ed. (Surg. and Orthop) Barclay Lectr.
Giles, Margaret D., M.D. Asst.

Infectious Diseases

Anderson, T., M.D., Ch.B. Lectr.

Materia Medica, v. also Med., Clin.

Alstead, S., M.D. Liv. Reg. Prof.
Slessor, A., M.B., Ch.B., F.R.F.P.S. Glas. Lectr.
Lazarus, S., M.D. Lectr.
Hebbert, F. J., M.B., Ch.B. Lectr.
Hillis, B. R., M.B. Asst.
Kelly, J. C. C., M.B. Asst.

Medical Jurisprudence

Allison, A., M.B., Ch.B., D.P.H. Lectr.

Medical Radiology

Walker, J. Z., M.B. Lectr.
Park, S. D. S., M.B. Lectr.

Medicine

Davis, L. J., M D. Edin , F.R.C.P. Lond. and Ed., F.R.F.P.S. Muirhead Prof
Brown, A., M.D. Lectr.
Oastler, E. G., M A. Oxon., M.B., Ch.B. Asst.

Medicine, Clinical

Honorary Lecturers

Cruickshank, J. N., M.C., D Sc , M.D., F.R.F.P S. Glas , F.R.C.P. Lond.
Adams, D. K., M.A., B Sc., M.D.
Snodgrass, W. R , M A , B.Sc., M.D., F.R.C.P. Lond., F.R.F.P.S. Glas.
Stevenson, D. S., M.B.E., M.B., Ch.B., F.R.F.P.S. Glas.
Smith, David, M.D., F.R.F.P.S. Glas.
Glen, A., M C., M.D.
Scott, A. M., M.D.

Medicine, Practice of

McNee, J. W., D.S O., D.Sc., M.D., F.R.C.P., F.R.F.P.S. Glas. Reg. Prof.
Rennie, J. B., M.D., F.R.F.P.S. Glas. Lectr.
Reid, J., M.D. Lectr.
Gaylor, J. B., M.A., B.Sc., M.B., Ch.B., F.R.F.P.S. Glas. Lectr.
Fraser, T. N., M.D., F.R.F.P.S. Glas. Asst.

Midwifery

Lennie, R. A., T.D., M.D. Reg. Prof.
Hurll, J. B., M.B., Ch.B. Asst.
McLennan, H. R., M.D., F.R.F.P.S. Glas. Asst.
Clement, W., M.B. Asst.

Obstetrics and Gynæcology

Anderson, D. F., M.D., F.R.F.P.S. Glas., F.R.C.O.G. Muirhead Prof.
Hewitt, J., M.B., Ch.B., F.R.C.O.G. (Clin. G.) Lectr.
Clement, W., M.B., Ch.B., F.R.F.P.S. Glas. (Clin. G.) Lectr.
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.
Barr, A., M.B., F.R.F.P.S. Glas., F.R.C.O.G. Lectr.

Orthopædics

Barnes, R., B.Sc., M.B., Ch.B. Manc. Lectr.

Pathology

Cappell, D. F., M.D. Prof.
Montgomery, G. L., Ph.D. St. And., M.D. St. Mungo-Notman Prof.
Anderson, J. R., B.Sc., M.B. St. And. Lectr.
Hutchison, H. E., M.B., Ch.B. Lectr.
Marshall, Alice J., M.B., Ch.B. Lectr.
Davis, W. B., B.Sc., M.D., D.P.H. Belf. Lectr.
Symington, T., B.Sc., M.B., Ch B. Lectr.
Taylor, W. A., B.Sc., M.B., Ch.B. Lectr
Currie, A. R., B.Sc., M.B., Ch.B. Lectr.
Roberts, G. B. S., M.B. Lectr.
Shaw Dunn, R.I., B.Sc., M.B. Lectr.
Telford-Govan, A. D., Ph.D. Birm., M.B. Lectr.
Davis, W. B., B.Sc., M.D., Ch.B. Belf. Lectr.
Dick, J. C., M.D., Ch.B. Lectr.
Milne, J. A., M.B. Asst.
Gibson, J. B., M.B. Asst.
Stephen, J. D., B.Sc., M.B. Asst.
Scott, Agnes L., M.B. Asst.
Davidson, W., M.B. Asst.
McAndrew, R., M.B. Asst.
Curran, R., M.B., Ch.B. Asst.

Pathology of Diseases of Infancy and Childhood

MacDonald, A. M., M.B., Ch.B. Edin. Gardiner Lectr.

Struthers, D., M.B. Asst.

Pathological Biochemistry

Eaton, J. C., B.Sc., M.B., Ch.B. Lectr.
Wilson, H. E. C., D.Sc., M.B., Ch.B., F.R.F.P.S. Glas. Lectr.
Anderson, I. A., B.Sc., M.B. Lectr.

Pædiatrics, v. Infancy and Childhood, Dis. of

Psychiatry (*Mental Diseases*)

MacNiven, Angus, M.B., Ch.B., D.P.M., D.P.M. Lond. Lectr.
Mackenzie, Ivy, M.A., B.Sc., M.B. Lectr.
Milne, J., M.B. Lectr.

Psychological Medicine

Rodger, T. F., B.Sc., M.B. Prof.
Sclare, I. M. Mackintosh Lectr.

Public Health

Ferguson, T., M.D., D.Sc., D.P.H. Edin., F.R.C.P.Ed. Prof.
Laidlaw, S. I. A., B.Sc., B.L., M.D., D.P.H. Hon. Lectr.
Mearns, A. G., B.Sc., M.D., D P.H. Lectr.
Meiklejohn, A., M.D. (Indust. Health) Lectr.
Macphail, A., M.B. Lectr.
Horne, W., M.D. Hon. Lectr.
Hunter, W., M.B. Asst.

Surgery

Illingworth, C. F. W., C.B.E., M.D., Ch.M. Edin., F.R.C.S.Ed. Reg. Prof.
Burton, J. A. G., M.C., M.B., Ch.B., D.P.H. Camb., F.R.C.S.Ed., F.R.F.P.S. Glas. St. Mungo Prof.
Jamieson, R. A., M.B., Ch.B. Edin., F.R.C.S.Ed. Lectr.
Murray, A. M., M.B., Ch.B., F.R.C.S.Ed. Lectr.
Mackey, W. A., M.B., Ch.B., F.R.F.P.S. Glas., F.R.C.S.Ed. Asst.
Kay, A. W., M.D. Asst.
Patrick, W., M.B., Ch.B., F.R.C.S.Ed., F.R.F.P.S. Glas. St. Mungo Asst.
Goodall, A. L., M.D., D.P.H. Asst.

Surgery, Clinical

Lecturers

Dalziel, G., M.B., F.R.F.P.S. Glas.
Fleming, J. P., M.B., F.R.F.P.S. Glas.
Galbraith, W. W., M.B., F.R.F.P.S. Glas.
Newton, T. M., M.B.
Robertson, J. H., M.B., F.R.F.P.S. Glas.
Tennent, R., M.B.E., M.B., F.R.C.S.
Dunbar, J., M.B., Ch.B., F.R.F.P.S. Glas.
Hutton, A. J., M.B., Ch.B., F.R.F.P.S. Glas.
Swanson, G. C., M.B., Ch.B.
Clark, A. M., M.C., M.A., M.B., Ch.M., F.R.F.P.S. Glas.
Stevenson, G. H., O.B.E., M.C., M.B., Ch.B. Edin., F.R.C.S.Ed., D.P.H.
Mowat, G. T., M.B., Ch.B. Edin., F.R.C.S.Ed.
Laird, A. P., M.B., Ch.B., F.R.C.S.Ed., F.R.F.P.S. Glas.

Tuberculosis, Clinical

McLean, A., M.D., D.P.H. Lectr. and Assts.

Venereal Diseases

McCluskie, J. A. W., M.B., Ch.B., F.R.F.P.S. Glas. Lectr.
Robertson, J. G. M., M.B., Ch.B. Lectr.

Dentistry

Aitchison, J., L.D.S., H.D.D. Director.
Gibson, W. M., M.B., L.D.S. Lectr.
Ireland, J., L.D.S. Lectr.
McNeill, C. K., L.D.S. Lectr.
MacNaughton, I. T., L.D.S. Lectr.
MacGilvray, D. Tutor.

Extra-mural Education

Evans, W. S., M.A., Ph.D Sheff. Director.
Nicol, W. B. de B., M.A Aberd. Tutor-Organizer.
Lloyd, W. E., B A. Wales Tutor.
Hatch, J. C., B.A. Camb. Tutor.
Freeman, C , B Sc. Tutor.
Gray, D., M.A. Aberd. Tutor.

Gifford Lecturer in Nat. Theol. (biennial)

1949—Farmer, H. H., M.A., D.D. Camb. Prof.

Alexander Robertson Lecturer (Defence of the Christian Religion—not oftener than once in every 2 yrs.)

1949—Hromadka, J. Prof.

Hastie Lecturer (Encouragement of Theology—held for 3 yrs.)

1949–50—Gray, John R., B.D. Yale, M.A.

Stevenson Lecturer (Citizenship—held for 5 yrs.)

1946—Mack, J. A., M.A.

Cramb Music Lecturer

1947—Woodham, R., B.A., D.Mus.

Sir William MacEwen Memorial Lecturer (biennial)

1950—

Gibson Lecturer (History of Mathematics)

1949—Turnbull, H. W., M.A. Oxon. and Camb., F.R.S.

David Murray Lecturer

1950–51—Butterfield, Prof. H., M.A. Camb.

Dalrymple Lecturer (Archæology)

Robertson, Anne S., M.A.

Frazer Lecturer (Social Anthropology — Oxford, Cambridge, Glasgow, Liverpool, in rotation)

1948–49—Macbeath, A., M.A.

W. P. Ker Lecturer

1950–51—Bickersteth, Prof. G. L., M.A.

ADMINISTRATIVE OFFICERS

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.A. ; Actg. Clerk of the Fac. of Medicine, J. O. Westwater; Clerk of the Fac. of Arts and Science, C. S. Rankine ; Admin. Asst., G. Bradley.

ASSOCIATED COLLEGES, in which University courses are provided at Glasgow.

THE ROYAL TECHNICAL COLLEGE, v. *infra.*

THE WEST OF SCOTLAND AGRICULTURAL COLLEGE. Principal, Prof. John Kirkwood, O.B.E., B.Sc. ; *Agric.*, Prof. John Kirkwood, A. B. Smart, B.Sc. (Agr.), W. D. Carr, B.Sc. ; *Agric. Book-keeping*, A. B. Smart ; *Agric. Econ.*, A. D. Campbell, M.A. ; *Agric. Eng. and Surveying*, J. Malcolm, B.Sc. ; *Agric. Zool.*, D. S. Maclagan, B.Sc. (Agr.), B.Sc., Ph.D., D.Sc. ; Asst. : J. G. Sheals, B.Sc. ; *Bacteriol.*, J. F. Malcolm, D.Sc., Ph.D. Lond. ; 5 Assts. ; *Bee-keeping*, J. Struthers ; *Bot.*, Prof. K. W. Braid, M.A. Camb., B.Sc. Aberd., W. F. Burnett, M.A., B.Sc., ; *Chem.*, H. Nicol, B.Sc., M.Sc., Ph.D., F.R.I.C.,

J. M. L. Tait, B.Sc., A. J. McGregor, B.Sc. (Agr.); *Soil Chemist*, C. L. Whittles, M.A., Ph.D. Camb.; *Dairying*, Prof. D. M. Smillie, B.Sc.; *Dairy School*, Director, Jas. Kirkwood; Asst.: A. B. Duncan; *Hortic.*, H. F. Dovaston, B.Sc., Ph.D.; *Plant Pathol.*, J. Grainger, B.Sc., Ph.D.; Asst.: Marjorie R. M. Clark, B.Sc., Ph.D.; *Poultry School*, T. E. Whittle; Assts.: L. S. Lyall, Isabel M. Shade; *Vet. Sc.*, Prof. J. R. McCall (Lectr.). Advisory Officers: *Economics*, J. A. Gilchrist, B.Sc., C. W. Roberts, B.Sc. (Agr.); *Animal Husbandry*, G. Dunlop, B.Sc. (Agr.), Ph.D.; *Crop Husbandry*, P. J. Jones, B.Sc. (Agr.); *Farm Buildings*, R. J. Forsyth; *Milk Utilization*, Prof. D. M. Smillie; Asst.: Margaret J. Orr; Veterinary Investigation Officer, A. L. Wilson; Provincial Director of *County and Extension Work*, A. F. R. Nisbet, M.A., B.Sc., Ph.D.; Regional Directors, R. Rowat, B.Sc., H. M. Young, M.B E., and a Staff of Organizers, Lectrs. and Instructresses in Agric., Dairying, Hortic and Poultry-keeping.

GENERAL INFORMATION, v. also pp. 464 ff.

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. For early history see *Yearbook*, 1929.

The LIBRARY, founded in the 15th century, contains 255,000 vols., including 300 books 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 books on the history of chemistry. The Hunterian MUSEUM, founded in 1783, contains most valuable MSS. and early printed books and pictures and important collections of coins, anatomical preparations, zoological and mineral specimens, etc. Large new departments with spacious LABORATORIES have been erected for Engin., Bot., Nat. Philos., Chem., Physiol., Anat., Path., Mat. Med., Forensic Med., Public Health and Zoology. There are BOTANICAL GARDENS and an OBSERVATORY. As Glasgow stands at the centre of the shipbuilding, engineering, mining and industrial area of Scotland, it offers unique opportunities for technical training. Three large general HOSPLS. are available for clinics, besides special institutions (including Consumption Sanatoria).

FACULTIES AND DEANS. Arts, Prof. C. J. Fordyce (Humanity); Science, Prof. W. M. Smart (Astronomy); Medicine, Prof. G. M. Wishart; Law, Prof. J. Boyd (Mercantile Law); Divinity, Prof. J. Mauchline (O.T. Lang. and Lit.); Engineering, Prof. J. Small (Heat Eng.). Depts. of Applied Science—Engineering (Civ., Elec., Mech., Mining, Naval Archit., Chem.), Applied Chem., Agric., Archit., Public Health, Pharmacy.

ADMISSION. V. Appendix I.

DEGREES, ETC., v. p. 465. Applications by Overseas students for remission of part of the class attendance for B.Sc. in branches other than Engineering will be considered sympathetically. *Diploma* in Education, 1-yr. course, for graduates (the first yr. of the Ed.B. course); D.P.H., D.I.H. (1-yr. course) for legally qualified med. practitioners. *Certificates* of Proficiency in Engin. Science and in Mining Engin., 3 yrs.' courses, of which first yr. may be taken in Roy. Tech. Coll.; no prelim. examn.

For detailed information regarding POSTGRADUATE study and research in any Faculty, application should be made to the Dean. A Postgraduate Med. Assocn. organizes demonstrations for Med. Practitioners; fee for series, Nov. to May, 3 gns.; programme obtainable from the Secy., Postgraduate Med. Assocn., Dr. James Carslaw, 9 Woodside Terrace, Glasgow, C.3.

FEES (v. also Carnegie Trust, p. 468). Matriculation, 2½ gs. p.a. Inclusive tuition fees for M.A. (Ord.), 57 gs., (Hons.), 76 gs.; LL.B., 52 gs.; B.L., 42 gs.; B.Sc. (Ord. Pure Science), 114 gs., (Hons. Pure Science, or Applied Science), 127 gs.; M.B., Ch.B., 225 gs. for 5 yrs. Combined M.A. and B.Sc., 150 gs. Examination: 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.

SCHOLARSHIPS. Graduates (v. also pp. 467-468): about 76 of from £30 to £280 p.a., most of them open only to graduates of Glasgow. There are also 5 Foundations for res. scholarships and studentships.

For undergraduates there are 480, varying in value from £10 to £50 or more p.a., chiefly in the Faculty of Arts, in addition to Bursaries of from £5 to £25, awarded by the Provincial Committee for the training of teachers.

Travelling for study or research is encouraged by: Bryce Mathematical Fellowship (£280 p.a. for 4 yrs.), Faulds Fellowship (£200), J. R. K. Law Scholarship (£100 p.a. for 2 yrs.) for Applied Science tenable at an approved *Overseas University* or other scientific institution in *Canada, U.S A.* or *France.*

RESIDENCE. Four Halls of Residence for men—the Maclay Hall and Strain Hall (Warden: Capt. C. H. Law (R.N. Retd.)); the MacBrayne Hall (Warden: J. M. A. Lenihan, M.Sc., Ph.D.) and, for overseas students, Horselethill House (Warden: S. A. Hutchinson, B.Sc., Ph.D.); and one for women—Queen Margaret Hall (Warden: Mrs. Elsie Conway, B.Sc., Ph.D.) with several annexes. The average cost of residence in the Halls is £31 per term, with a reduction for those resident for three terms. Lodgings or board with private families with use of 2 rooms, generally obtainable in neighbourhood of the Univ., for from 50s. to 65s. per week. A few students' hostels or settlements, of limited accommodation, where the charges are lower, are run by private committees or bodies of students and graduates.

The APPOINTMENTS COMMITTEE (for men and women). Secretary (J. Thomson, M.A., B.Sc., Ph.D.), Office of Adviser of Studies, The University.

SOCIETIES. Graduates Assoc. 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.—Miss E. McMichael, M.A., 10 Lawn Road Flats, Lawn Road, London, N.W.3.

UNIVERSITY EXTENSION. An Extra-mural Education Committee, 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., 177 Hill Street, Garnethill, Glasgow, C.3. Fortnightly and occasional free public lectures by profs. and others during the winter session.

PUBLICATIONS. *Calendar*; *Glasgow Univ. Magazine*, weekly during winter session; *Examn. Papers*, Prelim. and Degree; *Annual Handbook* for matriculated students; *Handbook* for Overseas students and graduates; *History of the University of Glasgow* (Coutts); *Roll of Graduates* (1726–1896) (Addison); *Matriculation Albums* (Addison).

THE YEAR 1948–49

BENEFACTIONS. Trustees of Lady Gardiner, £500 for the Principal's Special Purposes Fund. Residue of estate of Sir J. B. McEwen—approx. £7000—to promote Chamber Music in Scotland.

RESIGNATIONS. Prof. W. D. Niven (Eccles. Hist.); Prof. R. Girvan (Engl Lang.); Dr. S. V. Telfer (Biochem.); G. A. Birkett (Russian); Dr. R. M. Brown (Engin.); Dr. S. G. Jones (Bot.); R. M. Nicol (Internat. Law); Dr. R. Wright (Chem.).

DEATHS. Emer. Prof. J. R. Currie (Pub. Health); Emer. Prof. T. S. Patterson (Organic Chem.); Dr. H. W. Bolam (Chem.); Dr. J. Chumley (Zool.).

HONORARY DEGREES. *D.D.*—Rev. R. M. Dickson, Rev. R. J. McCracken, Rev. N. Sykes, Rev. W. S. Tindal. *LL.D.*—Sir James A. N. Barlow, J. B. Black, Sir Maurice E. Denny, H. Dodds, Sir James R. Learmonth, Lord Patrick, Sir Geoffrey I. Taylor, Mrs. Flora Tebb.

STUDENTS. Total: 7496; includes 16 for 1 term only, 1452 women, and 162 postgraduates.

DEGREES. B.D., 7; M.A., 431; B.Mus., 2; Ed.B., 23; B.L., 58; LL.B., 30; B.Sc., 379; M.B., 170; M.D., 20; Ph.D., 34; D.Sc., 3; Ch.M., 3.

THE ROYAL TECHNICAL COLLEGE, GLASGOW

Founded 1796

[Affiliated to the University of Glasgow]

CHAIRMAN OF THE BOARD OF GOVERNORS—SIR ANDREW MCCANCE, D.Sc , F.R S.

DIRECTOR—DAVID S ANDERSON, B Sc., Ph D.

SECRETARY-TREASURER—GEORGE H. THOMSON, B Com.

REGISTRAR—WM. RUSSELL.

CHIEF CLERK—CHARLES STEWART.

LIBRARIAN—W. G. BURRELL, M.A.

Telephone : Glasgow, Bell 2905–8.

TEACHING STAFF

Architecture and Building

Smith, Wm. J., M.C , F.S.A., F.R.I.B.A
Prof. and Dir. of Arch. Studies

Sr. Lecturers

MacLean, A , B.A. Manc.
Paterson, D. S., D.A. Glas.
Lyon, Thomas F., D.A. Glas.

Lecturers

Murray, J. E., D.A. Glas.
Rowell, J. R. C., D.A. Glas.
Brodie, Margaret B., B.Sc., D.A. Glas.
Ramsay, Walter N. W., D.A. Glas
Selby, Frederick.
Cordiner, Albert D., D.A. Glas.
Falconer, J.

Assistant Lecturers

Morris, E. N.
Pyle, M. A., B.Sc.Tech.

Chemistry

Spring, F. S., Ph.D. Liv., D.Sc. Manc., F.R.I.C.
Freeland Prof.

Senior Lecturers

Cranston, J. A., D.Sc., F.R.I.C.
Hopper, I. V., B Sc. Lond., Ph D , F.R.I.C.
Crawford, A. B., B Sc., Ph.D , F.R.I.C.
M'Lean, J., B Sc., Ph.D., F R.I.C.

Lecturers

Anderson, H G. A., B.Sc., F.R.I.C
Good, W , D.Sc. Zürich.
Alexander, W. A , B Sc. Lond., F.R.I C.
Syme, A. C., B.Sc , Ph D.
Sharp, W., B.Sc , Ph.D., F.R.I C.
Newbold, G. T., M.Sc., Ph D. Manc.
Musgrave, O. C., B.Sc., Ph D.
Bentley, H. R., M.A., B.Sc , D.Phil.
2 Asst. Lectrs. and 3 Student Demrs.

Chemistry, Technical

Ritchie, Patrick D., B.Sc., Ph.D. St. And., F.R.I.C.
Young Prof.
Rumford, F., B.Sc. Lond., Ph.D., F.R.I.C. Sr. Lectr.

Lecturers

Mitchell, T. J., Ph.D., F.R.I.C.

Edwards, G. E., B.Sc., Ph.D.
Gordon, M., M.Sc , Ph.D., F.R.I.C.
Gibb, Wm., B.Sc., Ph.D. Asst. Lectr.
1 Student Demr.
3 Research Assts.

Colour Chemistry and Dyeing

Giles, C H , B.Sc., Ph.D. Leeds, F.R.I.C Sr. Lectr

Engineering, Civil and Mechanical

Thomson, A. S. T., D.Sc., Ph.D.
Orkney, J. C., B.Sc. Assoc. Prof
Scott, A. W., B.Sc., Ph D. Assoc. Prof.

Principal Lecturers

Hunter, W., B.Sc. Lond., Ph.D. (Civil E.).
Sneeden, O., B Sc , Ph D (Mech. Eng.).

Senior Lectrs. and Research Leaders

M'Broom, H. L., B.Sc., Ph.D.
Moir, C. M., B.Sc. Lond., Ph.D.
Ferguson, Wm., B.Sc. Lond.
Laird, A. M., B.Sc.

Senior Lectrs

Garrick, J. A , B.Sc.
Kenedi, R. M., B.Sc., Ph.D.
McHutchison, W. B., B.Sc.
Frazer, W., B.Sc.
Stabler, G. V., B.Sc. Durh.
Gardiner, A. C., B.Sc.
Baxter, A. M., M.Sc. Camb., B.Sc.
Hendry, R., B.Sc.
Swinbanks, D. B., B.Sc. Lond.

Lecturers

Russell, R.
Davidson, W. R. S., B.Sc.
MacLaren, J. F. T., B.Sc.
Brown, J., B.Sc. Lond.
Chisholm, D., B.Sc.
Holden, H. S., B.Sc.
Linning, D. L., B.Sc.
McWee, D.
Nelson, H. M., B.Sc.
Pattie, D. R., B.Sc.
Rorke, J., B.Sc.
Steele, M. C., B.Sc.
Tudhope, R. G., B Sc.
McKinlay, D. G., B.Sc.
Mitchell, I. W., B.Sc.
Blair, M., B.Sc.
Young, J., B.Sc.
Benzies, J. Y.
Ainslie, Wm. G.
Allan, Thomas, B.Sc. Lond.
Rachman, D., B.Sc.
Joss, E. J., B.Sc.
Paul, J. P , B Sc. Asst Lectr.

Demrs.

Harvey, J. M., B.Sc.
Paul, J. P., B.Sc.
Elliot, R. C.
Orr, N. B., B.Sc.
Rocke, G., B.Sc.
Webster, J T.
Livingstone, H. K., B.Sc. Lond.

Engineering, Electrical

Bruce, F. M., M.Sc., Ph.D. Durh. Prof
Meade, F. E. Principal Lectr.

Senior Lectrs.

Shearer, G., B Sc
Fairley, E. S., B.Sc., Ph.D.
Husband, A. S., B.Sc.
Lamont, H. R. L , M A., B.Sc., Ph D.

Lecturers

Martin, Wm. H., B.Sc.
Pender, J. T., B.Sc.
Matthews, J. E., B.Sc. Lond.

Demrs.

Jackson, W. D., B.Sc.
MacLeod, Wm. E. I.
Langhorne, T. B.
Cochrane, Ian, B.Sc.
Wood, W., B.Sc.

Engineering, Mining

Hibberd, G., Ph.D. Prof.
Flett, W. R., B.Sc. (Econ. Geol.). Sr. Lectr.
Smith, Robert, B.Sc. Lectr.

Boyle, W. Lectr.
Stewart, A. W. K., B.Sc. Lectr.
Currie, J., B Sc. Lectr.

Industrial Administration

Shone, K., M.A. Hd. of Dept.
Hanika, F. de P.
Minnis, G. E. Lectr.
Sutherland, R. M.

Mathematics

Street, R. O., M.A. Camb., M.Sc. Liv., F.R.A.S. Prof.
Lord, R. D., M.Sc. Lond. Sr. Lectr.
Williams, W. D., B.Sc. Wales Lectr.
Fulton, J., M.A. Lectr.
Rothman, M., Ph.D. Lond., M.Sc. Lectr.
Eaton, J. C., M.A. Lectr.

Metallurgy

Hay, R., B.Sc., Ph.D., F.R.I.C., F.I.M. Prof.

Senior Lectrs.

Howat, D. D., B.Sc., Ph.D., F.R.I.C.
Taylor, J., M Sc., Ph.D. Durh.

Lecturers

Carter, P. T., B.Sc. Durh., Ph.D.
McLeod, J. M., B.Sc., Ph.D.
Towers, Helen, B.Sc., Ph.D.
King, T. B., B.Sc.

Demr.

Gilchrist, J. D., B.Sc.
4 Student Demrs.

Natural Philosophy

Rankin, J. S., B.Sc., Ph.D. Freeland Prof.
Macaulay, J. M., B.Sc., Ph.D. Sr. Lectr.

Lecturers

Symon, F. J., B.Sc., Ph.D.
Milne, E. R. M., M.A. Edin.
MacNeill, A. C. M., M.A., B.Sc.
Bagnall, L., M.A.
Macdonald, A., M.A., B.Sc.
McLaren, A. S., B.Sc.
Wylie, T. S.
Williams, A , B.Sc. Wales
Erskine, Sarah H., M.A., B.Sc
Weaver, C , B.Sc.

Demr.

Peskett, Jean M., B.Sc.

Naval Architecture

Bridge, I. C., B.Sc. Hd. of Dept.
Hughes, J. H. Lectr

Pharmacy

Todd, J. P., Ph.D., F.R.I.C. Prof.
Lloyd, Blodwen, M Sc. Wales, Ph.D. (Biol and Microbiol.) Sr. Lectr
Rattray, G. (Pharmacognosy) Sr. Lectr.
Gemmell, D. H. O., B.L. Sr. Lectr.
Campbell, J. G. C., B.Sc., Dip. Bact. Sr. Lectr.
Harper, Norman J., M.Sc. Belf. Lectr.
Fish, F., B.Pharm. Lond. Lectr
McIntosh, A F , B.Sc. Lectr
Comrie, A. M., B.Sc. Lectr.
Murray, I., M D., F.R.C P Ed Lectr.
Provan, Margaret, B.Sc. Lectr
Terry, C. S., B.Sc Demr.
Dawson, Mary Demr.
Paterson, J., B.Sc. Demr.
Brown, Lydia D., B.Sc. Demr.
Hamilton, A. M., B.Sc. Demr.
McLean, J., B.Sc. Demr.
Paterson, J. L., B.Sc. Demr.
Howatson, Doris J. T., B.Sc. Demr.
Birse, L. A. F., B.Sc. Demr.
Leitch, Eliz. D., B.Sc. Demr.

Textile Technology

Taylor, E. G., B.Sc. Tech. Manc. Supt. and Lectr.
Marvin, A. W. Lectr.
Elder, H. M. Lectr.
Buchan, J. Lectr.
Stanley, V. Lectr.

GENERAL INFORMATION

Anderson's College, founded in 1796, the College of Science and Arts (1823, the first "Mechanics' Institution") and the Atkinson Institution (1861) were amalgamated in 1886 under the title of the Glasgow and West of Scotland Technical College, which was changed in Feb. 1912 to the Royal Technical College. The College was affiliated to the Univ. of Glasgow in March 1913.

The present College building, completed in 1910, comprises over 7 acres of floor space, and cost, with equipment, £400,000. Qualifying courses are provided in the subjects named above for Degrees of the Univ. in Engin., Applied Chem., Pharmacy and Archit., and for the Associateship or Diploma of the College in Civil, Mech., Elect., Chemical and Mining Engin., Naval Archit., Chem. or Technical Chemistry, Metallurgy, Applied Physics, Pharmacy, Food Science, Microbiol., Building and Textile Technology. There are also Departments of Navigation and Bakery, as well as numerous evening classes in other subjects, mainly technological. The courses for the Associateship or Diploma cover 4 yrs. The evening lecturers are not included in the above lists; some of their work is, however, of University and even postgraduate standard. Much research work, for the prosecution of which a development fund of about £100,000 has been raised, is carried on at the College. The Andersonian Library, so named to commemorate the founder of the College, Prof. John Anderson, includes the library formed by him and the James Young collection of early alchemical, metallurgical and chemical books.

The Glasgow School of Architecture is maintained by the College and the Glasgow School of Art working in co-operation through a Joint Committee under whose authority its Diplomas (5 yrs.' course) are issued.

FEES for tuition: Degree Courses—Engineering, 114 gs., payable in four instalments of 28½ gs.; Applied Chemistry, Pharmacy and Architecture, 127 gs., payable in two instalments of 38 gs. and two instalments of 25½ gs. Associateship or Diploma Courses and other Non-Degree Courses—25 gs. for each year of the course.

PUBLICATIONS. *Calendar*; *Annual Report*; *Research Journal*, 21s.

THE YEAR 1948–49

UNIVERSITY EXTENSION. 2835 pt.-time students of 21 years of age or over were in organized classes. 572 tickets were issued for the courses in Astronomy.

STUDENTS. Full-time: preparing for a first Degree or Diploma, 1212; postgraduates, 96. Pt.-time: preparing for a first Degree or Diploma, 323; postgraduates, 34; occasional students, 3378; taking courses not of a Univ. standard, 985.

DEGREES. Ph.D., 5; B.Sc. in Applied Science, 105; B.Sc. Lond., 12.

UNIVERSITY OF ST. ANDREWS

Founded 1411

CHANCELLOR AND PRESIDENT OF THE GENERAL COUNCIL—His Grace THE DUKE OF HAMILTON, P.C., G.C.V.O., A.F.C., LL.D.

VICE-CHANCELLOR AND PRINCIPAL OF THE UNIVERSITY AND OF THE UNITED COLLEGE—Sir JAMES COLQUHOUN IRVINE, K.B.E., D.L., Ph.D., D.Sc., Sc.D., D.C.L., LL.D., F.R.S.

RECTOR AND PRESIDENT OF THE UNIVERSITY COURT—LORD BURGHLEY, K.C.M.G.

PRINCIPAL OF ST. MARY'S COLLEGE—Very Rev. GEORGE S. DUNCAN, O.B.E., M.A., B.D , D.D., LL.D., D.Theol.

PRINCIPAL OF UNIVERSITY COLLEGE, DUNDEE—DOUGLAS NEIL WIMBERLEY, C.B., D.S.O., M.C., D.L., LL.D.

SECRETARY AND REGISTRAR—DAVID J. B. RITCHIE, B.L.

QUÆSTOR AND FACTOR—JAMES DUNCAN.

LIBRARIAN—GEORGE H. BUSHNELL, F.L.A.

Telephone : St. Andrews 35.

TEACHING STAFF

Anatomy

Walmsley, R., M.B., Ch.B., M D. Edin. Bute Prof.
Mulligan, J. H., M.B., Ch B. Aberd. Lectr
Smith, J W., M.B , Ch.B. Lectr.
Ashurst, G M., M.C., M.B., Ch.B. Lectr.
Dow, D R., M D., F.R C.P.Ed., D.P H. Prof.*
MacDougall, J. D. B., M.B., Ch B , M.D. Lectr.*
Cathro, A. J. M., M.B., Ch.B. Lectr.*
Wilson, Mrs. Susan H., M.B., Ch.B. Asst.*
Mair, W. F., M.D. Edin. Asst.
Graham, D. S. M., M.B., B.S. Lond. Asst.*
Walker, H. E., M.B., Ch.B. Demr.*

Astronomy

Freundlich, E. F., Dr. Phil. Göttingen, M.A. Dir. of Univ. Observatory. Napier Lectr.
Slebarski, T., B Sc. Lectr.

Biochemistry, v. Physiology

Biology, v. Bot. and Zool.

Botany

Graham, R. J. D., M.A., D.Sc. 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. Lectr.
Poel, L. W., B.Sc., Ph.D. Liv., F.L.S. Lectr.
Smith, Edith P., B.A. Oxon., Ph.D., D.Sc. Edin. Lectr.*

* At Dundee.

† At St. Andrews and Dundee.

Taylor, R. A., B.Sc., Ph.D., D.Sc. Lectr.*

Chemistry

Read, J., M.A., Sc.D. Camb., Ph.D. Zurich, 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.
Openshaw, H. T., M.A., D.Phil. Oxon. Purdie Lectr.
Lloyd, D. M. G., B Sc. Brist Lectr
Horrex, C., M.Sc , Ph.D Manc. Lectr.
Battersby, A. R., M Sc. Manc., Ph D. Lectr.
Everett, D H , B.Sc. Reading, M A , D.Phil. Oxon. 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., Ph.D., D Sc. Lectr.*
Copp, J L., B Sc., M.A. Oxon. Lectr.*
Jack, Kathleen M , B.Sc., Ph.D. Edin. Lectr.*
Smith, R. R , M A., Ph.D. Camb. Lectr.*
Young, D. M , B.Sc., Ph.D. Lond. Asst.*
Martin, A. S., B.Sc. Asst *

Classics

Rose, H. J., M.A. Oxon., F.B.A. (Gk.) Prof.
Wright, T. E., M.A. Glas. and Oxon. (Latin) Prof.
Lorimer, W. L., M.A. Oxon. (Latin) Reader.*
Mitford, T. B , M.A. (Latin) Lectr.
Brink, C. O., M.A. Oxon., D.Phil. Berlin (Lat.) Lectr.
Young, D. C. C., M.A. (Lat.) Lectr.*
Davidson, J., M A. (Latin) Lectr.
Kidd, I. G., M.A. Lectr.

Dentistry, v. *infra*

Divinity

Duncan, G. S , O B.E., M A. Edin., B.A. Camb., D.D. Edin., LL.D., D.Theol. (Divinity and Bibl. Crit.) Prof.
Baxter, J. H., M.A. Glas., B.D. Aberd., D.D. Glas., D.Litt., F S.A. (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 , B D., D.D. Edin. (Practical Theol and Christian Ethics) Prof.

Economics

Nisbet, J. W , M.A , LL B. Glas. Prof.
Henderson, J. B., M.A. Lectr.
Cole, A. V., M.A. Lectr.
Carstairs, A. M., M.A. Lectr
Harris, R., B.A. Camb. (Soc. Econ.) Lectr.

Education

Skinner, A. F., M.A., B.Sc., Ph.D. Bell Prof.†
Knox, H. M., M.A., B Ed., Ph.D. Edin. Lectr.†
Snodgrass, N. S., M.A. Glas. (Admin. of Schs., etc.) Lectr.†
Young, Margaret, Ed.B. Edin. Asst.*

*Engineering, Civil and Mechanical**

Marshall, W. T., B.Sc. Lond., D.I.C., Ph.D. Lond. Prof.*
Steel, G. S., M.A., B.Sc., Ph.D. (Civ. E. and Struct. Design) Lectr.*
Hall, A. P., B.Sc., Ph.D. Lectr.*
M'Ewan, D. H., B.Sc. Lectr.*
Rowe, P. W., B.Sc. Brist. Lectr.*

* At Dundee.

† At St. Andrews and Dundee.

Ballantyne, J. R., B.Sc. Lectr.*
McNicoll, W., B.Sc. Lectr.*
Stewart, W., B.Sc. Lectr.*

*Engineering, Electrical**
Cullwick, E. G., O.B.E., M.A. Camb., F.R.S.C. Watson Watt Prof.*
Mackay, W M , M.C., T.D., B.Sc. Glas. Lectr.*

English Lang and Lit.
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.
Elliot, R W V., M A 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. Lectr.*

French Lang. and Lit.
Johnston, R. C., M.A. Oxon. and Lond , D. de l'U Stras. Prof.
Wilson, R. A., M.A , Ph D. Lectr.
Austin, L. J., M.A. Melb., D. ès L. Lectr.
Robson, Elizabeth A. D., M.A. Lectr.
Alexander, I. W., M.A., D.Litt. Edin. Lectr.*
Hackett, Winifred M., M.A. Oxon. and Manc. Lectr.*
Salle, M F. F., L. ès L. Asst.
Toulemon, P. R., L. en Droit. Lecteur.

Geography
Cumming, G. A , B Sc., Ph.D. Lectr.
Hobson, Peggie M., B.Sc. Lond. Lectr.
Jones, S. J., M.A. Wales Lectr.*
Turner, W. H. K., B.A. Wales Lectr.*

Geology
Innes, D. E., M.C., M.A. Oxon. Prof.†
Drever, H. I., B.Sc. Edin., Ph.D. Camb. Lectr.
Patterson, E. M., M.Sc. Belf. Lectr.
Scott, J F., B.Sc., Ph.D. Glas. Lectr.*
Harry, W. T., B.Sc. Leeds Lectr.*
Richey, J. E , B.A., Sc.D., F.R.S. Lectr.*

German
Carr, C T., M.A. Manc., D.Litt. Prof.
Hayens, K. C., M.A., D.Litt. Glas. Reader.*
Berneaud, Jean M., M A. Edin. Lectr.
Harvey, Ruth C., B.A Lectr.
Brill, E V. K., M.A. Lectr
Strachan, T., M.A. Lectr.*
Robertson, A. G., M.A. Lectr.*

Hebrew and Oriental Langs.
Honeyman, A. M., B D., Ph.D Edin., M.A., B.Litt. Prof.
Dobbie, R., M.A. Glas., B D. Lond., M.Th. Lectr.

History, Ancient
Brunt, P. A., M.A. Oxon Lectr.

History, Colonial
Macmillan, W. M., M.A. Oxon. Lectr. and Director of Colonial Studies.

History, Economic
..... Lectr.

History, Mediæval
Adam, R. J., B.A. Oxon. Lectr.
Usher, G. A., B.A. Wales Lectr.

History, Modern
Williams, J. W., M.A., B.Litt. Oxon. Prof.
Ogilvie, Sir Charles M. G., M.A. Oxon. and Camb. Lectr.

* At Dundee.

† At St. Andrews and Dundee.

Ketelbey, Doris M., M.A. Lectr.
Wainwright, F. T., B.A., Ph.D. Reading Lectr.*
Seed, G., M.A. Durh., A.M. Mich., Ph.D. Lectr.*
Driver, J. T., B A. Liv. Asst.*

History, Modern, American and Colonial

Gash, N., M.A., B.Litt. Oxon. Lectr.

History, Scottish

Cant, R. G., M A. Oxon. Lectr.

Italian

..... Lectr.

Law

Bowman, B. C., LL.B. Edin., M.A. 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**

Bisset, Christian J., LL.B. Edin., M.A. Lectr *

*Law—Forensic Medicine**

Dorward, W. F., B.Sc., M.B., Ch.B. Lectr.*

*Law—Jurisprudence**

..... Lectr.*

*Law, Scots**

Matheson, A. A., M.A., LL.B. Edin. Prof.*

Mathematics, Pure and Applied

Copson, E. T., M.A. Oxon., D.Sc. Edin. Reg. Prof.
Rutherford, D. E., Dr.Math. Amsterdam, M.A., D.Sc. (M. and Applied M.) Lectr.
Mitchell, A. R., B.Sc, Ph.D. Lectr.
Gray, J. R., B.Sc. Edin Lectr.
Mackay, J. P. H., M.A. Edin. Lectr.
..... Prof.*
Jackson, J. M., B.Sc. Lond, Ph.D. Camb. Lectr.*
Faulkner, T. E, M.A., Ph.D. Camb. (Statistics) Lectr.*
Pack, D. C, B A. Camb., M.A. Oxon. Lectr.*
Wallace, A H., M.A Edin., Ph.D. Lectr.*
Vosper, A. G, B.A. Oxon. Lectr.*
Jack, H., M.A. Lectr.*
Anderson, H. G, M.A., Ph D Edin. Lectr.*

Medicine and Surgery, v. *infra*

Music

Davie, C. T.
Lectr. and Master of Music.

Natural History, v. Bot. & Zool.

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.
Mundle, C. W. K., B.A. Oxon., M.A. Lectr.*
Cohen, L. J., M.A. Lectr.*
Smith, R. N. W., M.A. Oxon. and Glas. Lectr.

Philosophy, Moral

Knox, T. M., M.A. Oxon. Prof.
Kemp, J., M.A. Oxon. Lectr.

* At Dundee.

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.Inst 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. Lectr.
Andrew, E. R., M A., Ph.D. Camb. Lectr.
Preston, G. D., M.A., Sc.D. Camb., F.Inst.P Harris Prof.*
Forrest, J , M.A., B.Sc Glas., D.Sc. Lectr.*
Smith, Winifred J , B.Sc., Ph D. Lectr.*
Rogers, G. L., M.A., Ph.D. Camb. Lectr.*
Baranowski, D., B.S. Lectr.*
Macdonald, S. G. G., M.A. Edin. Lectr.*
Iball, J., Ph.D., D Sc. Wales, F.Inst.P. Lectr.*
Mitchell, Sheena M., B.Sc. Asst.*

Physiology

Ritchie, A. E., M.A., B.Sc. Aberd., M.D., Ch.B. Edin. Chandos Prof.
..... (Biochem.) Lectr.
Bayne, S , B.Sc., M.B., Ch B. Lectr.
Taylor, J. H., M.B., Ch.B. Edin., D.P.H. Lectr.
Bell, G. H., B.Sc., M.D. Glas., F.R.F.P.S. Glas. Prof.*
Cook, R. P., B.Sc. Melb., Ph.D. Camb., D.Sc., M.B., B.Chir. Camb. (Biochem.) Lectr.*
Brown, Margaret B., B.Sc., Ph.D. (Biochem.) Lectr.*
Andrew, B. L., B.Sc. Lond. Lectr.*
Park, W. W., M.B., Ch.B. Edin. Lectr.*
MacQueen, A. T., M.B., Ch.B. Edin. Lectr.*
Thomas, Margaret H., B.Sc. Asst.*

Polish

Seliga, S., M.A., Ph.D. Warsaw Lectr.

Political Science

Wernham, A. G., M A. Aberd., B.A. Oxon. Lectr.
Moodie, G. C., B.A. Oxon., M.A. Lectr.

Psychology

Ferguson, H H., M A. Lectr.
Berlyne, D. E., M A. Camb. Lectr.
MacLean, R. C., M.A., Ed.B. Aberd. Lectr.
McKellar, T. P. H., M.A. N.Z , Ph.D. Lond. Lectr.

Social Sciences

Coatman, J., C.I.E., B.A. Manc., M.A. Oxon. Dir. of Research.

Spanish

Woodward, L. J., M A Camb. Lectr.
Gifford, D J , M.A. Lectr.

Theology, v. Divinity

Zoology

Callan, H. G., M A., D Sc 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. Lectr.
Peacock, A. D., D.Sc. Prof.*
Waterhouse, F. L., M.Sc. Manc. Lectr.*
Sanderson, Ann R , B.Sc., Ph D. Lectr.*
Shelswell, Eileen M., B.Sc. Asst.
Hall, D. W., B.Sc. Asst.*

* At Dundee.

Medicine

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

*Anæsthetics**

Shearer, W. M., B.Sc., M.B., Ch.B., M.D., D.A., F.F.A.R.C.S. Lectr.*
Muir, Margaret C., M.B., Ch.B. Asst *
Soutar, Margaret E., M.B., Ch.B. Asst.*
Leng, Janet E., M.D., D.A. Asst.*
Emmerson, J., M.B., Ch.B. Glas Asst.*

*Bacteriology**

Tulloch, W J, O B E., M.D., D.P.H. Prof.*
Stiven, David, B.Sc., Ph.D., D.Sc. Lectr.*
Brodie, J., M B., Ch.B, M D., D.P.H. Lectr.*
Shepherd, W., M.B., Ch.B. Lectr.*
Dunbar, J. M., B.Sc., M B., Ch.B. Lectr.*
Green, D. M., M.B., Ch.B. Lectr.*
Williams, Harry, M.B., Ch.B. Asst.*
Taylor, Kathleen A. B., B.Sc. Asst.*

*Diseases of Children**

Alexander, Prof. R. C. (v. Surg.) Lectr.*
Thomson, J, M.B., Ch.B. Edin., F.R.C.P Ed. Lectr.*
..... Lectr.*

*Diseases, Mental**

Bell, A. A., M.B., Ch.B. Glas., F.R F.P.S. Glas., D.P.M. Lectr.*

*Diseases, Throat, Nose and Ear**

Gibson, M. J., M.B., Ch.B. Edin., F.R.C.S.Ed. Lectr.*
Henderson, G. I., M.B., Ch.B., F.R.C.S.Ed. Asst.*

*Diseases, Skin**

Kinnear, J., O.B.E., T.D., D.L., M.D. Lectr.*
Buchanan, T. K., M.B , Ch.B. Lectr.*
Rogers, J., M.B., Ch.B. Glas. Asst.*

*Fevers**

Jamieson, W. M., M.D., D.P.H. Lectr.*

*Forensic Medicine**

Dorward, W. F., B.Sc , M.B., Ch.B. Lectr.*
Conacher, Sheila G. F., M.B., Ch.B. 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.*
Chisholm, A. E., M.B., Ch.B. Edin., F.R.C.S.Ed., F.R.C.O.G. Lectr.*
Herring, Jean, B.Sc., M.B., Ch.B., F R.C.S.Ed. 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.*

*Industrial Hygiene**

..... (Lectures in abeyance) Instr.*

*Materia Medica**

Hunter, R. B., M.B., B.Ch. Edin. Prof.*
St. Clair, W. R., M.B., Ch.B. Edin. Lectr.*
West, G. B., Ph.D. Lond., B.Pharm., Ph.C. (Pharmacol.) Lectr.*
McDougall, Mary D., B.Sc. Edin. Asst.*
Stirling, Margaret, M.B., Ch.B. Edin. (Therapeutics) Asst.*

* At Dundee.

*Medicine**

Hill, I. G. W , C.B.E., T.D., M.B., Ch.B., F.R.C.P Ed. Prof *
Adamson, D G., M B., Ch B. Lectr.*

*Medicine, Clinical**

Hunter, Prof. R. B. (v. Mat. Med.) Lectr.*
Hill, Prof. I G. W. (v. Med.) Lectr.*
Clark, J. G., M.B., Ch B., M D. Lectr.*
Kirkland, A A , M.B , Ch B , M D. Glas., F.R.F P.S. Glas Lectr.*
Morgan, J. M., M.C., M D. Glas., F.R.C.P.Ed., D.P H. Camb. Lectr.*
Easton, I. D , O.B.E., M.B., Ch B. Edin., F.R.C.P.Ed. Lectr.*
M'Gillivray, D. M , M.B., Ch B., M.D , D.P.H. Lectr.*
Gibson, R., M.D Glas , D P M. Lond. (Mental Deficiency) Lectr.*

Medicine, History of

Gibson, H. J. C., M.A. Glas., M.D. Edin. Lectr.*

Midwifery, v. Gynæcology, *supra*

*Ophthalmology**

Scott, A. A. B., M.D., D.O.M.S. Lectr.*
MacGillivray, A. M., M.D., D.O.M.S. Lectr.*
Mathers, R. M., M.B , Ch.B , D.O.M.S. Asst.*

Orthopædics

Smillie, I. S., O.B.E., M B., Ch.B. Edin., Ch.M., F.R.C.S.Ed., F.R.F.P.S. Glas. Lectr.*

*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.*
Smith, G. H., M.B., Ch.B., M.D. Lectr *
Leslie, D. A., M.B., Ch B. Aberd. Lectr.*
Prain, J. H., M.B., Ch.B. Lectr.*
Goodall, H. B., M.B., Ch.B. Lectr.*
Morgan, H. G., B.Sc., M.B., Ch.B. Lectr.
McInroy, R. A , B.Sc., M.B., Ch.B., D.T.M. Liv. Lectr.*
Patrick, Marjorie Y., B.Sc. Asst.
Maw, Mrs. Sheila, M.B., Ch.B. Demr.*
Smith, Isobel M , M B , Ch.B Asst *
Morgan, Mrs. Margaret, B.Sc , M.B , Ch B. Demr *

Psychology, Medical

Uytman, J. D., M.B., Ch.B Glas., D.P.M. Lectr.*

*Public Health**

Burgess, W. L., C B E , M.B , Ch.B., M D Edin., D P H , D.T.M. and H , F.R.C.P.Ed. Reader.*
Dorward, W. F., B Sc , M.B , Ch.B. (Community Immunization) Asst.*
Conacher, Sheila G. F , M B , Ch.B. (Community Immunization) Asst.*
Cuthbert, J. A., M.B., Ch.B., D.P H. Edin. (Child Welfare) Asst.*
Fulton, Annie A., M.B., Ch.B., M.D., D.P.H. (Child Welfare) Asst.*
Smith, Edith P., B.A. Oxon , Ph.D. Edin. Asst.*
Dow, Agnes W., M.A., M.B., Ch.B. Asst.*
Needham, J., F.R.I.B.A. Asst.*
Cole, A. V., M.A. Asst.*

*Radiology and Elec Therap.**

Grant, G. M., M.B , Ch.B. Lectr.*

* At Dundee.

Sprunt, T., M.B., Ch.B. Edin., F.R C.S Ed., D.M.R. Lectr.*
Swanson, W. C., M.B., Ch.B. Glas., D.M.R. Lectr.*

*Surgery**
Alexander, R. C., C.B.E., M.A., M.B., Ch B.Edin , F.R.C.S.Ed. Prof.*
Grieve, J , B Sc , M.B , Ch B , F R.C.S.Ed. Lectr.*

*Surgery, Clinical**
Alexander, Prof. R. C. Lectr *
Brown, F. R., O.B.E., M B., Ch.B. Edin , F.R.C.S.Ed. Lectr *
Campbell, W. G , M.B., Ch.B., Ch M., F R.C.S.Eng , L.D.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.*
Fallon, M , O.B.E., B.A., M.B., B.Chir. Dub., F.R.C.S. (Thoracic) Lectr.*

*Tuberculosis**
McIntosh, D. G., M.B., Ch.B., D.P.H. Lectr.*
Smith, D. H., M.B., Ch.B. Lectr.*

*Venereal Diseases**
Keay, D. M., M.B., Ch.B., D.P.H. Lectr.*
Finnigan, Mrs. Jeannie P., M.B., Ch.B. Asst.*

Dentistry

*Dental Surgery**
Hitchin, A. D., L.D.S., M.D.S. Durh. Prof.*

Dental Anatomy
Symons, N. B. B., B.D S , B.Sc. Belf. Lectr.*

Dental Anæsthetics [Lectr.*
Emmerson, J., M.B., Ch.B. Glas.
Ferguson, J. G., M.B., Ch.B. Asst.*
Nelson, N., M.B., Ch.B. Asst.*

Dental Mechanics and Prosthetics
McGlynn, R. P., B.Sc., Ph.D., B.D.S. Lectr.*
Hutcheson, J Tech. Instr *
Elder, R. Tech. Instr.*

Dental Metallurgy [Lectr.*
Whyte, R , L.D S , D.P.D., Ph D.

Dental Surgery and Pathology and Dental Jurisprudence
Tattersall, W. R., L.D.S., H.D.D. Lectr.*
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.*
Ritchie, G. S., L D.S. Asst.*

Operative Dental Surgery
Fairley, J. M., B D.S. Lectr.*
Gair, J. C., B.D.S. Lectr.*

Orthodontics
Munro, D., L.D S. Lectr.*
Morris, H. I., L.D.S. (Dental Diseases of Children) Lectr.*
Whyte, R., L.D.S., D.P.D., Ph.D. (Dental Diagnosis) Asst.*

Public Dentistry
Finlayson, D. A., L.D.S. Asst.*

Andrew Lang Lecturer

1949–50—Dr. J. B. Salmond.
1950–51—Prof. H. J. Rose.

Gifford Lecturer in Nat. Theol.

1949–50 }
1950–51 }—Prof. H. J. Paton.

* At Dundee.

ADMINISTRATIVE OFFICERS

UNIVERSITY OFFICES—*St. Andrews*: Asst. Secs. and Registrars, D. M. Devine, M.A., W. W. Tweedie, B.L. Asst. Quæstors and Factors, G. C. Taylor, W. B. Borthwick, M.A., LL.B., Univ. Solicitor. Senior Medical School (Dundee) Admin. Officer, R. N. M. Robertson, M.A., LL.B. *Dundee*: Univ. Coll: Sec. and Treasurer, P. Cumming, M.A., LL.B. Asst. Treasurer, G. N. Fraser. Asst. Sec., D. Douglas, D.S.O.

LIBRARY—*St. Andrews*: Sub-Librarian, D. MacArthur, M.A., B.Sc. *Dundee*: Librarian of Univ. Coll., W. M. Dickie, M.A., Ph.D., F.L.A. Sub-Librarian, D. W. Doughty, M.A.

Appointments Board—Sec., A. Smith, M.A.

GENERAL INFORMATION, v. also pp. 464 ff.

The University was founded in 1411. In 1747 St. Salvator's (1450) and St. Leonard's (1512) Colleges were united under the name "United College of St Salvator and St. Leonard" St. Mary's College (1537) has, since 1579, been restricted to the teaching of Theology. University College, Dundee (1881), was affiliated to and made to form part of the University in 1897

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. (Elec. Hydraulic, Mech.), Mat. Med., Maths., Nat. Hist., Physics, Physiol., Pathol.

FACULTIES AND DEANS. Divinity, Prof. W. R. Forrester (Pract. Theol.); Arts, Prof. J. N. Wright (Philos.); Science, Prof. R. J. D Graham (Bot); Medicine, Prof. W. J. Tulloch (Bact.).

ADMISSION. V. Appendix I.

DEGREES, ETC., v. also pp. 465 ff. Courses for graduation in Arts and Science are given both in the United Coll., St. And., and in Univ. Coll., Dundee, some being given in both places, some—Greek, Hebrew, Moral Philos., Psychol., Pol. Econ., Pol. Science, Spanish, Italian, 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 (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, embraces at least 5 subjects, of which Latin or Greek must be one, another must be either Maths. or Philos., and at least two must be linguistic. *Senatus* can, on recommendation of the Fac. of Arts, allow another subject or subjects to be taken in lieu of Lat. or Greek. *Foreign students* may take Arabic or Hebrew in lieu of Latin or Greek. In the Special examn. two cognate subjects must be taken, the whole examn. being passed at one time. For the M.A. Honours Degree candidates take the General and Special Examns. above, and specialize in the same two cognate subjects for at least one additional year.

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.

The full course for the degree of B.Ed. extends over a period of two years.

Dental Surgery. B.D.S. (5 yrs., of which not less than 3 at the Univ., the remaining 2 at a recognized Univ. or School); M.D.S. (1 yr. later by examn. and thesis); D.D.Sc. and D.P.D. (Diploma in Public Dentistry), *see* below.

DIPLOMAS. Education, for graduates who complete the first year of the Ed.B. course; D.P.H., 12 months; D.P.D., 5 mos. after obtaining registrable Dental qualification.

FEES (v. also Carnegie Trust, p. 468). Matriculation, £2 : 12 : 6 p.a. Inclusive tuition fees for M.A., £59 : 17s.; Hons. M.A., £79 : 16s.; B.D., £53 : 11s.; B.L., £44 : 2s.; B.Sc., £119 : 14s.; B.Sc. Hons., £133 : 7s.; B.Sc. (Engineering), £119 : 14s.; B.Sc. Hons. (Engineering), £133 : 7s.; M.B., Ch.B., £192; B.D.S., £140; B.Ed., £48 : 6s. Combined Courses: M.A. and B.L., to be fixed; M.A. (Hons.) and B.L., to be fixed; M.A. and B.Sc., to be fixed; 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 B.Ed., 13 gs.; M.B., Ch.B., £38 : 17s.; B.D S., £30 : 9s.; M.D. or Ch.M., 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.; D.D.Sc., to be fixed. Dipl. in Educn, £4 : 14 : 6.

ADVISERS OF STUDENTS. At St. Andrews: in Arts, Prof. J. N. Wright; in Sci., Prof. R. J. D. Graham; in Med., Prof. R. Walmsley. At Dundee: in Arts, Dr. K. C. Hayens; in Sci., Prof. G. D. Preston; in Med., Prof. W. J. Tulloch; in Engineering, Prof. W. T. Marshall; in Dentistry, Prof. A. D. Hitchin; in Law, B. C. Bowman.

RESIDENCE. University Hall (Warden: Miss V. C. Murray, M.A.), MacIntosh Hall (Warden: Miss E. S. Steele, B.Sc., Ph.D.) for women, at St. Andrews, from £90 p.a. West Park Hall for women, Dundee (Warden: Miss W. M. Hackett), £69-£80 p.a. St. Salvator's Hall, Dean's Court, Swallowgate, St. Regulus Hall, Kennedy Hall and Hepburn Hall (Senior Warden: J. G. Salmond, M.A., LL.D.) for men, at St. Andrews, £90 p.a. University College Hall (Warden: Prof. Preston) for men, at Dundee, £69-£80 p.a. William Low Residence (Warden: Dr. Haig Macpherson) for Medical Students during clinical studies, £80 p.a., at Dundee. In each case the charge for Residence is exclusive of tuition fees.

SCHOLARSHIPS FOR GRADUATES, v. also pp. 467-468: 14, annual value about £1711. Guthrie (£135 p.a. for 4 yrs.), tenable at Oxford or Cambridge or (with special permission) at a foreign Univ.; Ramsay (£150 p.a. for 2 yrs.), Bruce (£150 p.a. for 2 yrs.) and Berry (£160 p.a. for 2 yrs.) may, with permission of United College, be tenable in another Univ. or Institution. In addition, a number of University Postgraduate Scholarships of the value of £300 p.a., tenable for one or two years, are available for graduates of the University.

An ALUMNUS ASSOCIATION was founded in 1926. Alumnus Clubs exist in London, Birmingham, Dundee, Edinburgh, Glasgow, Johannesburg, Leeds, Manchester, Toronto

PUBLICATIONS. *Calendar* (Sept.), 10s. 6d.; Students' Repve. Council's *College Echoes*; Alumnus Association's *Chronicle* (half-yearly).

THE YEAR 1948–49

BENEFACTIONS. Presentation to the University Court by an anonymous donor of a Mace to be associated with the Advanced Medical School of the

Univ. of St. Andrews. Bequest of a sum of money to found a Barrie Dow Medical Bursary. Bequest of £25,000 by the late W. Gibson to be expended in building and equipping a lab. for study and res. in Pathol. and Bacteriol. Gift by Imperial Chemical Industries Ltd. of £2500 for 7 yrs. for provision of residential facilities in the United Coll. for postgraduate res. workers. The James Mackenzie Inst. for Clinical Res. has made available endowments to be used to found Chairs or Professorships of (*a*) Child Health and (*b*) Public Health and Social Med. Grant of £7000 by the Pilgrim Trust towards the cost of restoring the fabric of St Leonard's Chapel. Bequest to Univ. Coll. (subject to liferents) by the late A. Dewar of the residue of his estate to found a Scholp. or Bursaries in Engineering and Engineering Res. Donation by D. C. Thomson to Univ. Coll for expenditure on the Library and Chem. and Hist. Depts. Various gifts of books, manuscripts, etc.

NEW BUILDINGS. Purchase of additional bldgs. for Residence Halls and extensions to various Residence Halls. Reconstruction of main United Coll. bldg. to provide additional teaching accommodation in the Fac. of Arts.

NEW POSTS. Lectureships in Music, Econ. Hist., Mediæval Hist , Spanish, Social Econ. Directorship of Res. in the Social Sciences.

EXTRA-MURAL CLASSES. Courses of Lectures (Adult Educn.) were conducted at 28 centres : 2143 enrolments.

RESIGNATIONS. J. Zarek (Engin.) ; M. N. Austin (Greek) ; W L. Wardale (German) ; L S Goddard (Statistics) ; J. H. Williamson (Maths) ; Constance M. Pack (Maths.) ; R. J. Hirst (Philos.) ; S. A Walker (Physiol.) ; J. B. Gyle (Clin. Med.) ; Constance F. Drysdale (Pub. Health) ; A. W. K. Main (Radiol).

DEATH. W. E. Foggie (Clin. Med.).

HONORARY DEGREES. *D.D.*—Rev. J. Rossie Brown, Edinburgh ; Rev. L. A. Sutherland, Stirling ; Rt. Rev. Bishop Barkway, Bishop of St. Andrews, Dunkeld and Dunblane ; Rev. W. McCallum, Kelso. *LL.D.*—Field Marshal Sir Claude Auchinleck ; Rt. Hon. Winston S. Churchill ; Earl of Crawford and Balcarres ; Admiral of the Fleet Visc. Cunningham of Hyndhope ; Rt. Hon. Oliver Stanley ; Prof. W. F. Albright, Johns Hopkins Univ. ; Emer. Prof. F. J. Charteris, St. Andrews ; H.E. Lewis W. Douglas, American Ambassador ; Prof. A. S. Ferguson, Aberdeen ; Emer. Prof. P. T. Herring, St. Andrews ; Isobel W. Hutchison, Traveller and Plant Collector.

STUDENTS. Total : 2203 ; full-time : 2002 (research, 51 ; preparing for a first degree, 1937 ; diploma students, 14) ; pt.-time : 201 (research, 46 ; diploma, 62 ; occasional, 93) ; the total includes 699 women and 97 post-graduates.

DEGREES. B.D., 7 ; M.A., 193 ; B.L., 14 ; Ph.D., 11 ; B.Sc., 109 ; D.Sc., 2 ; M.D., 3 ; M.B., Ch.B., 66 ; B.D.S., 4 ; L.D.S., 8 ; Diploma in Education, 41 ; Diploma in Public Health, 9 ; Diploma in Public Dentistry, 2 ; Honours granted subsequent to graduation : Arts, 33 ; Science, 35.

THE QUEEN'S UNIVERSITY OF BELFAST

Established by Charter 1908

(Founded as Queen's College 1845 and opened 1849)

VISITOR—H.M. THE KING.

CHANCELLOR—Field-Marshal the VISCOUNT ALANBROOKE, K.G., G.C.B., O.M., D.S.O., LL.D.

PRO-CHANCELLORS—The Rt Hon. Sir JAMES ANDREWS, Bart., B.A., LL.D. Dub., D.L., Lord Chief Justice of Northern Ireland; Emeritus Professor GREGG WILSON, O.B.E., M A , Ph.D. Edin., D Sc ; Emeritus Professor CHARLES GIBSON LOWRY, M D., D.Sc., F R C O G , F R C S I.

PRESIDENT AND VICE-CHANCELLOR—E. ASHBY, D.Sc. Lond., D.I.C., F.L.S.

REPRESENTATIVES IN PARLIAMENT—

NORTHERN IRELAND—Mrs. LILIAN I. M. CALVERT, B.A. ; EILEEN M. HICKEY, B.Sc., M.D., D.P.H., F.R.C.P.I. ; S. T. IRWIN, C.B.E., B.A., M.Ch., F.R C S ; FREDERIC T LLOYD-DODD, O B.E., M A., D Sc

REGISTRAR—THOMAS ALAN SINCLAIR, M A. Camb

HONORARY TREASURER—Major DAVID M. ANDERSON.

LIBRARIAN—J. J. GRANEEK, M.A., Dip Ed. 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., B.A., M.Ch , F R C.S , M P

Telephone : Belfast 21821.
Telegrams : University Belfast.

TEACHING STAFF

Accounting, v. Economics

Agriculture, v. *infra*

Anatomy

Walmsley, T., M.D. Glas. Prof.

Morton, W. R. M., M.A. Camb., B.Sc., M.D. (Embryology) Lectr.

Scott, J. H., B.Sc., M.D., L.D.S. (Anatomy for Dental Students) Lectr.

Harrison, T. J., M.B. Actg. Lectr.

Morrison, A. B., M.B., Ph.D. Asst. Lectr.

Vincent, S. A., M.B., F.R.C.S. Pt.-time Lectr.

Ancient History, v. Classics : Greek

Archæology

Jope, E. M., M.A., B.Sc. Oxon., F.S.A. Lectr.

Astronomy

Lindsay, E. M., Ph D. Harv., M.Sc. Pt.-time Lectr.
Armstrong, E. B., B.Sc., Ph.D. Pt.-time Lectr.

Biochemistry

Harrison, D. C., D.Sc. Lond., Ph.D. Camb. " J. C. White " Prof.
Malpress, F. H., B.A. Oxon., Ph.D. Reading Reader.
Andrews, S., B.Sc., M.B. " J. C. White " Lectr.
McGeown, Miss M G., M.D. Asst. Lectr

Botany

Small, J., D.Sc. Lond. Prof.
Lynn, Mary J., D.Sc. Lectr.
Harrison, J. H., M.Sc. Durh., Ph.D Lectr.
Fenton, A. F., M Sc. Asst. Lectr.
Kertland, Mary J. H., M.Sc. Curator of Herbarium.

Celtic

..... Prof.
Arthurs, J. B., M.A. Lectr.

Chemistry

Ubbelohde, A. R. J. P., M.A., D.Sc. Oxon., B.Sc. Lond., F.R.I.C. Prof.
Graham, H., D Sc. Reader.
Pink, R. C., D Sc. Reader.
Wilson, C. L., Ph.D. Glas., M.Sc. (Micro-chemistry) Reader.
Bacon, R. G. R., B.Sc., Ph.D. Lond., D.I.C. Lectr.
Pantony, D. A., B.Sc., Ph.D. Lond. Asst. Lectr.
Bott, R. W., B.Sc. Asst. Lectr.
Dunn, B. S., B.Sc. Asst. Lectr.
Menary, J. W., M.Sc. Asst. Lectr.
McDonnell, F. R. M., M.Sc. Asst. Lectr.
Flockhart, B. D., M.Sc. Asst. Lectr.
McCoubrey, J. C., B.Sc. Asst. Lectr.

Classics: Greek

Sinclair, T. A., M.A. Camb. Prof.
Phillips, E. D., M.A. Oxon. Lectr.
Atkinson, Kathleen M. T., M.A. Oxon. Lectr. in Ancient Hist.

Classics: Latin

Boyd, M J., M.A. Oxon., B A Prof.
Bower, E. W., M.A. Oxon Lectr.
Bradley, D. R., M.A. Oxon. Asst. Lectr.

Dentistry, v. *infra*

Economics

Isles, K. S., M.A., M.Sc. Camb. Prof.
Black, R. D. C., M A., B.Com., Ph.D. Dub. Lectr
Cuthbert, N , M.A , B Com Sc (Statistics) Lectr.
Willis, R., B.Com.Sc. Pt.-time Asst. Lectr.

Economic History

Koenigsberger, H. G., B.A., Ph.D. Camb Lectr.

Education

Nisbet, S. D., M.A., B.Ed. Edin. Prof.
Sutherland, Margaret B., M A., Ed.B. Glas. Lectr.
O'Neill, F. I. Rosa, B.A. Asst. Lectr.

Engineering, Civil

Naylor, A. H., M.Sc. Birm., B.Sc. Eng. Lond. Prof.
Finnan, E. J., M.Sc. Lectr.
Sidwell, E. H., M.Sc. Lectr.
Godden, W. G., M.Sc. Lectr.
Doran, I. G., M.Sc., Ph.D. (Soil Mechanics) Pt.-time Lectr.
Hodgen, R., B.Sc. Asst. Lectr.
Willington, T. W., B.Sc. Asst. Lectr.

Clancy, N. F., B.Sc. Asst. Lectr.

English Language and Literature

Baxter, F. W., M.A. Oxon. Prof.
Braidwood, J., M.A. Glas. Lectr.
..... Lectr.
Monaghan, T. J. A., M.A. Glas., D.Phil. Oxon. Lectr.

French and Romance Philology

Bisson, L A , M.A , D Litt. Oxon., Dr. de l'U. de Bordeaux Prof.
Godin, H. J. G , B.A. Lond., L. ès L. Lille, M.A., Ph.D. Lectr.
Patterson, Helen T., M.A. Manc. Lectr.
Fear, W., M.A , Ph.D. Asst. Lectr
Biarnès, Mlle. P. Lectrice.

French, Mediæval

Pelan, Margaret McL., Dr. de l'U. de Strasbourg, M.A., Ph.D. Reader.

Geography

Evans, E. E., M.A. Wales, D.Sc. Prof.
..... Lectr.
Sidebotham, Jean M., M.Sc. Manc. Asst. Lectr.

Geology

Charlesworth, J. K., D.Sc. Leeds, Ph.D. Breslau Prof.
Hartley, J. J., M.Sc. Lond., M.Eng. Liv. Reader.
Paget, P., M.Sc. Leeds Asst. Lectr.

German

Waterhouse, G., M.A. Camb., Litt.D. Dub. Prof
Brooke, K., B.A. Birm. Lectr.
Glaser, Ilse, B.A. Asst. Lectr.

Histology

Strangeways, Dorothy H., M.A. Camb., Ph.D. Leeds Lectr.

History

Sayles, G. O., M.A., D.Litt. Glas. Prof.
Beckett, J. C., M.A. Lectr.
Gray, J. W., M.A. Oxon. Lectr.

History, Ancient, v. Classics: Greek

History, Economic, v. Economic History

Jurisprudence

Newark, F. H., B.C.L., M.A. Oxon. Prof.

Law

Montrose, J. L., LL.B. Lond. Prof.
Williams, D. C., M.A., LL.B. Camb. Lectr.
.....
..... Lectr.
Sheridan, L. A., LL.B. Lond. Temp. Lectr.
Dowrick, F. E., B.A. Temp. Lectr.
Conaghan, R. H., B.A. Pt.-time Asst. Lectr.
O'Neill, J. B., B.A., LL.B. Pt.-time Asst. Lectr.

Mathematics

..... Prof.
Cooper, R. H., M.A., Ph.D. Camb. Reader.
Verblunsky, S., B.A., Ph.D. Camb. Reader.
Foster, F. G., B.A. Asst. Lectr.
Deas, H. D., B.Sc. Asst. Lectr.

Music

Keys, I. C. B., M.A., D.Mus. Oxon., F.R.C.O. Reader.
John, E. B., M.A., M.Mus. Wales, F.R.C.O. Lectr.

Philosophy

Macbeath, A., M.A. Glas. (Logic and Metaphysics) Prof.
Faris, J. A., M.A., B.Litt. Oxon. (Philosophy) Lectr.

Philosophy, Moral, and History of Philosophy

Davie, G. E., M.A. Edin. Lectr.

Philosophy, Scholastic

..... Lectr.

Daly, Very Rev C. B., D.D. Maynooth, M A. Lectr.

Physics

Emeleus, K G, M.A., Ph D. Camb. Prof.

Sloane, R. H., D Sc. Reader.

Watt, C. S., Ph.D. Lectr.

Love, H. M, B Sc Asst. Lectr

White, O M, B Sc. Asst Lectr.

Sayers, Nina D., B.Sc. Asst. Lectr.

Greene, D., B.Sc. Asst. Lectr.

Campbell, Diana E., B Sc. Musgrave Demr.

Physics, Mathematical

..... Prof.

Herivel, J. W. J., B.A. Camb. Lectr.

Kerr, E., B Sc. Asst. Lectr.

Physiology

Greenfield, A. D. M., M.Sc., M.B., B.S. Lond. Dunville Prof.

Shepherd, J. T., M.B., M.Ch. Lectr.

Gracey, T. L., M B. Asst. Lectr.

Piggot, J., M.A. Pt.-time Asst. Lectr.

Thompson, I. D., M.B. Pt.-time Asst. Lectr.

Ainley, N. J., M.B. Pt.-time Asst. Lectr.

Whelan, R. F., M.B. Asst. Lectr.

Political Science

Lemberger, J., M.A. Oxon. Lectr.

Psychology

Seth, G., M.A., B.Ed., Ph.D. Edin. Lectr.

McEwen, P., B.Sc. Edin. Lectr.

Social Studies

Neill, D. G., B.A. Dub. Lectr. and Director.

McIlreavey, F., B.Com.Sc. Tutor.

McManus, Sally C., B.A. Tutor.

Gilmore, Mrs. M. J., B.A. Asst. Tutor.

MacMillan, M. Patricia Pt.-time Asst. Tutor.

Spanish

Llubera, I. G., M.A., D Litt. Madrid Musgrave Prof

Terry, A. H, B A. Camb. Asst. Lectr.

Technology, v. *infra*

Zoology

Gresson, R. A. R., D.Sc. Edin., Ph.D. St. And. Prof.

Williams, G., M.Sc. Liv. Lectr.

Gotto, R. V, M Sc. Lectr.

Parry, Helen, M.Sc. Wales Asst. Lectr.

Corbett, Pauline, M.Sc. N.U I. Temp. Asst. Lectr.

Agriculture

Agriculture, Bacteriology of

Clerkin, P., B.Sc., B.Agr.Sc. N.U.I. Lectr.

Knowles, N. R., M Sc. Reading Asst. Lectr.

Murray, J. G., B.Agr. Asst. Lectr.

Agr. Botany

Linehan, P. A., D.Sc. N.U.I., M.Agr. Reader.

Dales, Helen, M.A., B.Sc. Edin. Asst. Lectr.

Lowe, J., B.Agr. Asst. Lectr.

Stewart, R. H., B.Agr. Asst. Lectr.

Agr. Chemistry

Baskett, R. G., M.Sc. Reading Dean of Faculty, Prof.

Houston, J., D.Sc. Lectr.

Prentice, J. H., B.Sc., B.Agr. Lectr.

Robinson, K. L., B.Sc., B.Agr. Lectr.

Brown, W. O., B.Sc., M.Agr. Asst. Lectr.
Jordan, J. W., B.Agr. Asst. Lectr.
McAllister, J. S V., D.F.C., D.F.M., B.Agr. Asst Lectr.
McConaghy, S., B.Sc., M.Agr. Asst. Lectr.
Parish, D. H., B Sc. Leeds Asst. Lectr.

Agr. Economics

Liversage, V., B.Sc. (Agr.) Lond., M Sc (Econ.) Lectr.

Agr. Zoology

Chamberlain, R., B.A., Dip.Agr. Camb. Lectr.
Willis, R J., B.Sc. Asst. Lectr.

Crop and Animal Husbandry

Morrison, J., B.Sc. Aberd. Prof.
Hale, R. W., B.Sc. (Agr.) Lond Lectr.

Mycology and Plant Pathology

Muskett, A. E., D.Sc. Lond Prof.
Colhoun, J., Ph.D. Lond., B.Sc., M.Agr, D.I.C. Lectr.
Taylor, J. C., B.Sc., B.Agr. Lectr.
Calvert, E. L., M.Agr. Asst. Lectr.
McCreary, C. W. R., M.Sc. Asst. Lectr.

Plant Genetics

Wilson, E. V. B., B Sc. Lectr.
Hodges, D. J., B.Agr. Asst Lectr.

Veterinary Science

Lamont, H. G., D.Sc. Reader.
Kerr, W. R., B.Sc. Edin., Ph.D., D.V.S.M. Lectr.
Luke, D., B.Sc. Asst. Lectr.
McNabb, T., B.Sc., Ph.D. Asst. Lectr.
Pearson, J. K. L., Ph.D. Asst. Lectr.
Gordon, W. A. M. Asst. Lectr.

Medicine

(for pre-clinical subjects, v. *supra*)

Bacteriology

Graham, N. C., M.B., D.P.H. "J. C. White" Lectureship Reader.
Bartley, Eileen O., M.D., D.P.H. Lectr.
Pyper, Pauline, M B. Asst. Lectr.

Child Health

Allen, F. M. B., M.D., F.R.C.P. Nuffield Prof.
Campbell, W. A. B., M D., D.C.H. Lond. Asst Lectr.

Dermatology

McCaw, I. H., M.D. Pt.-time Lectr.

Health Services

Boyd, J., M.A., M.D., F.R.C.P.I., D.P H. Pt -time Lectr.

Infectious Diseases

Kane, F. F., M.D., F.R.C.P.I., D.P.H. Pt.-time Lectr.

Materia Medica and Therapeutics

Lewis, J. T., B.Sc., M.D., F.R.C.P. Pt.-time Lectr.
Cronhelm, H. J., M.D. Pt.-time Lectr.

Medicine

..... Prof.
Campbell, S. B. B., M.D., F.R.C.P. Clin. Lectr.
Marshall, R., M.D., F.R.C.P. Clin. Lectr.
Kean, T. A., M.D. Clin. Lectr.
Crozier, T. H., M.D., F.R.C.P. Clin. Lectr.
Johnson, W., M.D. Pt.-time Asst. Lectr.

Medicine, Forensic

The Prof. of Pathology Lectr.

Medicine, Psychological

Gardner, Dorothy M., M.B., D.P.H., D.P.M. Pt.-time Lectr.

Medicine, Social and Preventive

Stevenson, A. C., B.Sc., M.D. Glas., D P.H. Eng. Prof.

Cheeseman, E A., B.Sc.(Econ.), Ph D. Lond. (Medical Statistics) Prof.

Blair, E. Maud McV., M.Sc., Ph.D. (Public Health Chemistry) Lectr.

.....

(Preventive Medicine) Lectr.

Midwifery and Gynæcology

Macafee, C. H. G, M.B, F.R C.S. Eng. and I., F.R.C O.G. Prof.

Boyd, G., M.B., F.R.C.S.Ed. Pt.-time Lectr.

Greer, H. L. H., M.B., F.R.C.S., F.R.C.O.G. Clin. Lectr.

Lowry, H. C., M.B., F.R.C.S., F.R.C.O.G. Clin. Lectr.

Kennedy, F., M.B., F.R.C.S. Clin. Lectr.

Price, J. A., M B., F R.C.S. Clin. Lectr.

Ophthalmology

Wheeler, J. R., M.B., D.L.O., D.O.M.S., F.R C.S.Ed. Pt.-time Lectr

Lynn, Mrs. B. H., M.B., F.R.C.S. Clin. Lectr.

Corkey, J. A, M.D., F.R.C.S.I. Clin. Lectr.

Anderson, W. A., M.D. Clin. Lectr.

McCaughan, D. V., M.B. Clin. Lectr.

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.; Dean of Fac. of Medicine Lectr.

Morrison, J. E., B.Sc., M.D. Reader.

McKeown, Elizabeth F., M.D. (Morbid Anat.) Lectr.

Drennan, A. J. M., M.B., F.R.C.P. Ed. (App. Pathol.) Lectr.

McGeown, Mary G., M.B. Asst. Lectr.

Brown, Wilmert F., M.B. Asst. Lectr.

Pharmacology

Mayrs, E. B. C., M.D., D.P.H. Prof.

McCann, J. S., M B Pt.-time Asst. Lectr.

Lazarus, J., M.B. Pt.-time Asst Lectr.

Public Health (Administration)

Barron, S., M.B., D.P.H. Pt.-time Lectr.

Radiology

Montgomery, F. P, M.B., F.F.R., D.M.R.E. Pt.-time Lectr.

Surgery

Rodgers, H. W., O.B.E., M.B Lond., F.R.C.S. Prof.

McFadden, G. D. F., M.B., M.Ch, F.R.C.S. Clin. Lectr.

Lavery, M. B., M.Sc, M.B., F.R.C S. Clin. Lectr.

Loughridge, J. S., B Sc., M.D., F.R.C.S. Clin. Lectr.

McMechan, E. W., M.B., F.R.C.S. Clin. Lectr.

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.

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.) Pt.-time Lectr.

Swan, W. M., L.D.S. (Dent. Surg.) Pt.-time Lectr.
Lyons, J., L.D.S. (Dent. Mat. Medica) Pt.-time Lectr.
Porter, D. C., M.D. (Dent. Radiol.) Pt.-time Lectr.
Brown, W. M., M.D, D.P.H. (Dent. Anæsthetics) Pt.-time Lectr.

Technology

(v. also Agr., and Civil Eng.)

Extra-mural Staff (Hon.), being Profs., Lectrs and Recognized Teachers (Recog. T.) at the Munic. Coll. of Tech.

Botany

McCourt, G. H., M.Sc. Recog T.

Chemical Technology

Gee, B. C., B.Sc., Ph.D. Lectr.

Chemistry

Bell, F., D.Sc., Ph.D. Lond., F.R.I.C. Prof.
Hughes, Kathleen H., B.A. Dub., M Sc Lectr.
Porter, J. W., M.Sc. Dub., F.R.I.C. Lectr.
Workman, R H. B., B Sc. Recog T.
Barry, Ruth J W., M Sc. Recog. T.

Commercial Law

Boyd, W. E., LL B. Recog. T.

Electrical Engineering

Burns, P. L., M.Sc. Manc. Prof.
Allen, T. P., M.Sc. Adviser of Studies, Fac. of App. Sci Lectr.
McIlhagger, D. S., M.Sc., Ph.D. Recog. T.
Gillies, J. F., B.E., B.Sc. (Eng.), Ph.D. Recog. T.
McBride, J. M. W., B.Sc. Recog. T.
Bromley, A. A., M.Sc. Recog. T.
Fitton, J., B.Sc. Manc., M.Sc. Recog. T.

Engines, Heat

Craig, F. V. Recog. T.
Newel, D. G., B.Sc. Recog. T.
McBride, J., B.Sc. Recog. T.
Jennings, R. Recog. T.
Harvey, G. R. Recog. T.

Machine Design and Construction

Govan, J. Recog. T. (and the Lectrs. in Heat Engines).

Mathematics

Griffith, L., B.Sc. (Eng.) Lond., M.A. 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.
Gilchrist, J. M., M.Sc. Lectr.
Goligher, T. E., B.Sc., D.I.C. Lectr.
McMullan, H. C., B.Sc. Recog. T.
Taggart, R. Recog. T.
Hewitt, W. P., B Sc. Recog. T.
Sloan, J., M.Sc. Recog. T.
Kerr, W. F. K., B.Sc. Recog. T.

Organization of Industry and Commerce

Armstrong, D. L., B.Com.Sc. Recog. T.

Physics

Crowley, T. A., B.Sc. Lond., Ph.D. Lectr.
Fitton, J., B.Sc. Manc., M.Sc. Recog. T.

Pharmacy, Pharmaceutics, and Pharmacognosy

Young, C. W. Lectr.
Roberts, G. H., 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

Davidson, Dorothy C , B Sc. Recog T.

Theology

Extra-mural Staff (Hon) being Profs. of the Assembly's Coll. of the Presbyterian Coll. in Ireland.

Christian Ethics

Corkey, Rt. Hon. The Rev. R., M.A., D Phil. N.U.I. Prof.

Hebrew, Biblical Theology, Hellenistic and N.T. Greek

Davey, Rev. Principal J. E., M.A. Camb., D.D. St. And. and Edin. Prof.

Philosophy of Religion, History of Christian Doctrine

Haire, Rev. J. L. M., M.A Oxon., B.D., M.Th. Lond., B D. Prof.

Ecclesiastical History, Symbolics, History of Christian Doctrine

Pearson, Rev. A. F. S., D.Th. Heidel., D.Litt. St. And., F.R.Hist.S. Prof.

Hebrew and O.T. Theology

Wilson, Rev. R. J., M.A. N.U.I., B.D. Lond. Prof.

Extra-mural Studies and Adult Education

Semple, R. H., M.A. Camb. Dir. of Extra-mural Studies Reader.

Walthew, F. W., M.A. Camb. Staff Tutor.

Whitford, F. J., B.A. Dub., B.Sc.(Econ.) Lond. Staff Tutor.

O'Brien, Margaret E., B Litt. Oxon , B A Staff Tutor.

Frey, J., B.A. Staff Tutor.

Yates, A., B.A. Sheff. Staff Tutor.

ADMINISTRATIVE OFFICERS

Academic Council, Sec.: Prof. F. H. Newark, B.C.L., M.A.; Asst. Sec.: R. H. Cooper, M.A., Ph.D.; Sec. of Matriculation Cttee.: E. W. Bower, M.A.; Sr. Asst. Sec., 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; Welfare Officer: Annie A. Leach; Sec. of Fac. of Medicine: P. A. Clearkin, O.B.E., M.D. Asst. Librarians: Alice K. Megaw, B.A., F.L.A.; Jessie B. Webster, M.A.; Ellen McC. Wilson, B.Sc.; Medical Officer in Charge of Students' Health: W. Johnston, M.D.; Director of the Gymnasium: A. McDonald; Manageress of Dining Hall: Catherine E. H. Bruce; Organist: I. B. C. Keys, M.A., D.Mus., F.R.C.O.

RECOGNIZED COLLEGES AND TEACHERS

COLLEGE OF TECHNOLOGY, BELFAST, v. *supra*—Tech. The complete course for the B.Sc. in Electr. or Mech. Engineering, Textile Technology, Naval Architecture, Pharmaceutics and Chemical Technology, may be taken at this college. Dean: Prof. K. G. Emeleus.

THE PRESBYTERIAN COLLEGE, BELFAST. The complete course for the B.D. may be taken at this college. Dean: Prof. T. A. Sinclair.

GENERAL INFORMATION

Queen's College, incorporated in 1845 and opened in 1849, was dissolved in 1908 on the constitution of the Queen's University of Belfast.

LIBRARY, 200,000 vols. INSTITUTE OF PATHOLOGY: Pathol. and Bacteriol. MUSEUMS: Class. Archæol., Nat. Hist., Medical, Materia Medica. LABORATORIES: Chemistry ("Donald Currie"), Civil Engineering ("Harland"), Physiology ("Jaffé"), Bio-Chemistry and Bacteriology ("White"), Physics, Anat., Bot., Geol., Pharm., Zool., Agric. HOSPITALS available for Clinics: 3 general, 10 special (Fever, Maternity, Women, Children, Ophth., Eye, Eye and Throat, Tuberculosis, Mental, Skin, Nervous Diseases).

FACULTIES AND DEANS. Arts (including Music), Prof. T. A. Sinclair; Science (including Civil Engin.), Prof. A. R. J. P. Ubbelohde; Law, Prof. J. L. Montrose; Medicine (including Dentistry), Prof. J. H. Biggart; Economics, Prof. K. S. Isles; Applied Science and Technology, Prof. K. G. Emeleus; Agriculture, Prof. R. G. Baskett; Theology, Prof. T. A. Sinclair.

ADMISSION. *See* Appendix I.

DEGREE COURSES. 3 yrs.—B.A., B.Sc., B.Sc. in Mech. and Elec. Engin., Pharmaceutics, or Textile Tech., LL.B., B.Sc. (Econ.); 4 yrs.—B.Agr., Civil Eng.; 6 yrs. (of which 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 graduates of this or some other approved Univ.; B.Ed. (including 1-yr. Diploma Course) course for graduates of this or some other approved Univ.

The courses in Elec. and Mech. Engin. are taken in the College of Technology; 3 yrs.' day or 5 yrs.' evening classes in the College qualify for B.Sc. in Applied Science and Technology 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. part-time; Public Health (for grads. in Med.), 1 yr.; Lic. in Dent. Surg., 5 yrs.; Dipl. Soc. Studies, 2 yrs.

EX-SERVICE STUDENTS. Students who have been engaged on war service may be excused attendance at the Univ. up to a maximum of four terms, provided that to qualify the student for a primary degree the time spent at the Univ., together with the time spent on war service, shall amount to not less than 2 yrs. and 9 mos. Concessions vary in the different Faculties, and students wishing to obtain them should apply to the Deans of Faculties concerned. This will terminate for all entering after November 1, 1950.

HIGHER DEGREES. The M.A. may be taken by a B.A. 1 yr. after graduation (examn. or thesis or independent research). The (1) D.Lit. and (2) LL.D. are conferred on grads. of this Univ. distinguished in (1) letters, or in literary, philos. or hist. research, or (2) Law, or in legal or hist. research; 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 research). The D.Sc. is open to grads. of this Univ. 5 yrs. after graduation in any faculty. It is conferred for research or scientific work in relation to Science pure or applied, or for distinction in Science, Engin., or other practical application of Science. 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 research). The D.Sc. (Econ.) is open to grads. of the Univ. 5 yrs. after graduation in any Faculty. 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 Science, 2 yrs.') standing by examn. or thesis. The M.Agr. may be conferred on a B.Agr. of the Univ. or on graduates of other Univs. who hold equivalent degrees

after 2 yrs. for a thesis or independent research. The D.D. is open to grads. in Divinity of the Univ. of at least 6 yrs.' standing. As regards Ph.D. *see* p. 16.

FEES. Enrolment (annual), £4. (Except in the cases of Final-Year Medical students and grads. studying for higher degrees when the annual enrolment fee is £1 : 10s.) Class fees, annual (inclusive)—Arts, 15 gs.; Engineering, 22 gs.; B.Sc. (Econ.), 15 gs.; M.B., B.Ch., B.Sc. (App. Sc.), B.A.O., 25 gs.; B.Sc., or B.Agr., 22 gs.; Dipl. Educn. (1 yr.), 15 gs. for course; B.Ed. (2 yrs.), £36 : 15s. for course; LL.B., 17 gs.

SCHOLARSHIPS. *Entrance Scholps.*—About 28 tenable for 3 or 4 yrs., aggregate annual value £1100; 8 tenable for 1 yr. only, aggregate annual value about £300. *Undergraduate Scholps.*—About 20 tenable for 2 yrs., aggregate annual value about £900; about 25 tenable for 1 yr., aggregate annual value about £600; 6 or more special scholps. for evening students and mature age students of aggregate annual value about £450. One exchange scholp. (Helen R. Turtle, by Ulster-America Friendship Committee) awarded to student travelling from this Univ. to America as an exchange with the Univ. of Michigan. *Postgraduate Scholps.*—Studentships as follows: 5 (including 1 for Maths.) in Faculty of Arts, 4 in Faculty of Sci., 2 in Faculty of Med., 1 each in Faculties of Law, Econ. and Agric., all of £100 for 1 yr. with certain supplements; about 20 other Studentships of aggregate annual value about £2200. One exchange (male) studentship with approved American Univ.

RESIDENCE. Queen's Chambers (for men students, maximum accomm. at present being 42), board and residence £25 per term (Warden: J. C. Beckett, M.A.). Riddel Hall (for women students, maximum accommodation at present being 50), board and residence per annum about £60 (Warden: Miss M. Dawson, B.A.). Board and lodging obtainable in the city from about 40s. a week upwards. A list of lodgings is maintained by a Lodgings Officer in the Secretary's Office.

APPOINTMENTS COMMITTEE. There is a committee which advises students as to preparation for entrance to various Government services and other appointments. All communications to be addressed to the Secretary, The Appointments Committee (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; P.A. Clearkin, O.B.E., M.D., 4 University Square, Belfast.

There is also a Queen's Univ. Club which meets in London. Sec., Colonel H. Montgomery Hyde, 32 Wilton Place, London, S.W.1.

RECOGNITION OF OTHER UNIVS. Students from other approved Univs. may apply for exemption from a year's attendance for first degree, attendance and examn. in some of the subjects for first degrees in Arts and Science, in consideration of equivalent courses and examns. elsewhere.

MEDICAL EXAMINATION OF STUDENTS. All students are bound by regulation to submit to a full medical examn. by the University Medical Officer, Dr. Wilson Johnston, 4 University Square, Belfast.

UNIVERSITY EXTENSION lectures by members of the Univ. Staff and other lecturers by invitation are given in Belfast and other towns.

PUBLICATIONS. *Calendar* (Oct.), 5s. 9d.; Students' mag., *The Northman*.

THE YEAR 1948–49

BENEFACTIONS. £1000 to the Building Fund from the late Rev. Alexander Cuthbert; a *Liber Benefactorum* volume covering the first 100 years from Miss Marjory Boyd, M.A., Printer to the Univ.; £135 from The Three Arts Operatic Society for purposes of the Dept. of Music; books to the value of $1300 from the Rockefeller Foundation of New York; several hundred volumes including some 18th century editions from Belfast Y.M.C.A.; over 100 volumes on modern European history by S. E. Fox of London; a share of the residuary estate of D. E. B. Soulby with a wish that it be applied to the Depts. of Geol., Zool. and Bot.; a share of the residuary estate of Dr. R. M. Jones to establish a course of public lectures to be delivered triennially by a man of eminence in Learning, Letters, Science or Philosophy.

NEW BUILDINGS. The Sir William Whitla Hall, a general purpose assembly hall, was opened on Feb. 19, 1949, by Sir Henry Dale. The Gymnasium, converted from a former badminton hall, was opened on March 12, 1949, by H.E. The Governor of Northern Ireland, Vice-Admiral The Earl Granville. An additional floor is being added to the Inst. of Pathol.

NEW POSTS. Lectureships in French, German, Music, Zool., Law, Pub. Health Chem., Preventive Med.

OTHER DEVELOPMENTS The Univ. celebrated the Centenary of its Foundation as Queen's College during the period Sept. 25 to 30, 1949. During the Celebrations Field Marshal The Viscount Alanbrooke, K.G., G.C.B., O.M., D S.O., LL.D., was installed as Chancellor on Sept. 28, 1949.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Sir David Lindsay Keir, President and Vice-Chancellor, was a member of a delegation from the Committee of Vice-Chancellors and Principals to the National Conference of Canadian Univs. in June 1949. Prof. A. Macbeath (Logic and Metaphysics), delivered the Gifford Lectures at St. Andrews, Feb.-May 1949. Prof. H. W. Rodgers (Surgery), Mayo Clinic, Minneapolis, May-June 1949.

RESIGNATIONS AND RETIREMENTS. Sir David Lindsay Keir (President), on appt. to the Mastership of Balliol Coll., Oxford; Prof. P. P. Ewald (Mathematical Physics), on appt. to a post in the Polytechnic Institute of Brooklyn, N.Y.; W. M. Hunter (Dental Metallurgy); C. J. A. Woodside (Anat.); H. Elwood (Dental Mechanics); G. P. Evans (Psychol.), on appt. to a post with Clackmannan C.C.

DEATHS. Dr. R. M. Jones, an original member of Senate; The Chancellor of the Univ., The Most Hon. The Marquess of Londonderry, K.G., P.C., M.V.O., LL.D.; Dr. Foster Coates, Senator; Sir Frederick W. Ogilvie, former President and Vice-Chancellor; Sir Thomas Houston, Pro-Chancellor; Emeritus Prof. R. K. McElderry (Greek); Emeritus Prof. W. B. Morton (Exper. Physics); Major R. Workman, Senator.

HONORARY DEGREES. *LL.D.*—M. René Massigli, French Ambassador; Edith Vane-Tempest-Stewart, Marchioness Dowager of Londonderry; General Sir Alan Cunningham; H.E. The Earl Granville, Governor of Northern Ireland; Edward Maufe, Architect; Sir Walter H. Moberly; Baron Porter of Longfield. *D.D.*—His Grace The Most Rev. J. A. F. Gregg, Primate of all Ireland. *D.Lit.*—Prof. B. A. van Groningen, Rector-Magnificus of the State Univ. of Leyden; Prof. Lillian M. Penson, Vice-Chancellor of the Univ. of London; Prof. Émile A. Pons, Prof. of English at the Univ. of Paris; Michael Tierney, President, Univ. Coll., Dublin. *D.Sc.*—Emeritus Prof. C. G. Lowry (formerly Prof. of Midwifery and Gynæcol.); Sir Edward

Mellanby; Prof. Marcus L. E. Oliphant; Sir Henry T. Tizard; Dr. R. C. Wallace, Vice-Chancellor of Queen's Univ., Kingston, Ontario. *M.D.*—Prof. Norbert O. J. Goormaghtigh, Rector, Univ. of Ghent. *M.A.*—Miss Marjory Boyd, Printer to the Univ.

STUDENTS IN ATTENDANCE. Total: 2762; 2176 men, 586 women (ex-Service 550), an increase of 77 on last yr.

DEGREES, ETC. B D., 6; B.A., 100; M.A., 4; LL.B., 23; B.Sc. (Pure), 54; B.Sc. (Civil), 36; B.Sc. (App. Sc.), 64; M.Sc., 16; M.B., 103; M.D., 16; B.Com.Sc, 19; B.Sc. (Econ.), 1; B.D.S., 1; B.Ed., 3; B.Agr., 13; M.Agr., 2; L.D S., 7, Ph.D, 10; D.P.H., 11; Cert. in Social Studies, 1; Dip. in Social Studies, 14; Cert. in Radio Eng., 2; Higher Dip. in Ed., 5; Dip. in Ed., 13.

CANADIAN UNIVERSITIES

ACADIA, ALBERTA, BISHOP'S COLLEGE, BRITISH COLUMBIA, DALHOUSIE, KING'S COLLEGE, LAVAL, MCGILL, MCMASTER, MANITOBA, MEMORIAL UNIVERSITY OF NEWFOUNDLAND, MONTREAL, MOUNT ALLISON, MOUNT ST. VINCENT COLLEGE, NEW BRUNSWICK, OTTAWA, QUEEN'S, ST. DUNSTAN'S COLLEGE, ST. FRANCIS XAVIER, ST. JOSEPH'S, SASKATCHEWAN, SIR GEORGE WILLIAM'S COLLEGE, TORONTO, WESTERN ONTARIO.

Under the British North America Act, education in Canada is a Provincial responsibility and there is no Dominion office or Minister of Education. Six of the ten Provinces (British Columbia, Alberta, Saskatchewan, Manitoba, Ontario, and New Brunswick) have provincial Universities; in the remaining four all Universities are private. Canadian Universities, whether provincial or private, vary greatly in size, some being complex organizations with large professional and graduate schools, and others small institutions concentrating chiefly on the Bachelor's degree in Arts and Science.

THE ENGLISH SYSTEM. As a broad generalization we may divide University education in Canada into two systems. the English system and the French system. The English Universities admit students either by Junior Matriculation, which is roughly equivalent to London Matriculation, or by Senior Matriculation, which is taken in the larger high schools one year after the Junior examination. In these Matriculation examinations the subject to be written and the standard reached naturally depend upon the degree course to be taken and vary from one University to another. The Universities admitting by Junior Matriculation normally offer a 4-yr. course leading to a pass or honours Bachelor's degree; those admitting by Senior Matriculation only, usually have a 3-yr. course for a pass degree and a 4-yr. course for an honours degree.

In all Universities each student is required to take a number of lecture courses in every year and to pass the examinations on these courses at the end of the year. In some honours courses, there are also comprehensive examinations which must be passed at the end of the final year.

A considerable number of Universities offer the Master's degree, but only a few award the Ph.D. A Bachelor with an honours degree can obtain a Master's degree in 1 yr. and a Ph.D. in 3 yrs.

The English Universities are co-educational in all but a limited number of courses, such as Nursing and Household Science.

THE FRENCH SYSTEM. In the French system, a student receives his baccalaureat at a "Classical College," which corresponds to a French Lycée, and then goes to the University for his Licence or his Doctorat, or for a professional course such as Medicine, Engineering,

or Dentistry. The French Universities, however, admit into certain courses, *e.g* Engineering and Agriculture, students who have taken their preparatory work in a French high school, which is modelled more closely along the English high school lines. There are separate classical colleges for men and women, but the Universities are co-educational in most of their courses.

DATES AND VACATIONS. In all the Universities of Canada, students are admitted only in the autumn, and the session lasts approximately from the end of September to the middle of May. During the long summer vacation, the majority of students obtain employment, and 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 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 affiliated with The Association of Universities of the British Commonwealth and has two representatives on the Council of that body. The Conference publishes a *Yearbook of Canadian Universities* which may be obtained from the Secretary, c/o McGill University, Montreal, Canada ; the price of this Yearbook is $2.

FURTHER INFORMATION. Interesting statistical information about Canadian education is given in the *Canada Yearbook* published by the Dominion Bureau of Statistics, and a description and discussion of current events and policies may be found in the annual reports which are printed each summer by all the larger Universities.

For an historical introduction to the Universities of Canada, *see* the *Universities Yearbook* 1949–50, or earlier editions.

NOVA SCOTIA TECHNICAL COLLEGE, HALIFAX. This institution represents the principal direct effort of the Province in education of University grade. It is supported entirely from provincial revenues. Through a co-operative agreement, a uniform Engineering course covering the work of the first, second and third years is carried out in the Univs. of Acadia, Dalhousie, King's, Mount Allison, St. Francis Xavier, Memorial Univ. of Newfoundland, and St. Mary's College. On successful completion of this course, the student proceeds to the Technical College without examn. for the professional work of the last two years of the 5-yr. course. Here the studies are differentiated and the student selects either Civ., Elect., Mech., Mining, or Chem. and Metallurgical Engineering. The degree given is that of B.E. A dept. of graduate studies offers courses of graduate work in co-operation with industries and government laboratories. The Coll. is equipped for teaching the engineering courses, commercial testing of industrial materials and natural resources, and for scientific

research. Tuition fees: $150 p.a. Ten scholarships and 30 bursaries equivalent to 1 yr.'s tuition are available for Nova Scotians. The buildings and equipment represent a provincial investment of about $750,000.

In other Canadian Provinces the work of such an institution is carried on by a Faculty of Engineering or Applied Science in connexion with the Universities.

CARNEGIE FOUNDATION FOR THE ADVANCEMENT OF TEACHING, an agency for payment of retiring allowances to college professors, and for educational enquiry, was established by Andrew Carnegie in 1905 through an initial gift of $10,000,000 as endowment, to provide retiring pensions for teachers of Universities, Colleges and technical schools in the United States, Canada and Newfoundland.

The Foundation is controlled by a self-perpetuating board of 25 trustees, chiefly presidents of Colleges and Universities. In 1949, the total general endowment was $12,914,976.70; assets were $14,096,015.31.

Since 1905, the Foundation has disbursed, to 4654 persons, some $55,683,236.62 in free retiring allowances, disability allowances, and widows' pensions, in 168 Colleges, Universities and technical schools. In 1949, allowances and pensions were being paid to 2061 persons, and 604 persons remained on the Foundation list, on September 30, 1949, as having expectations of award of retiring allowances.

The list of those eligible to receive free allowances was closed in fact in 1931; additions to the list may not legally be made.

The efforts of the Foundation towards the advancement of teaching are indicated by its studies on pension matters, in medical education, the teaching of physics, legal education, engineering education, college athletics, graduate education, training of teachers; by the study of the relation of secondary and higher education in the State of Pennsylvania; and by co-operative enterprises undertaken with other educational agencies.

Its publications, classified as annual reports, bulletins, supplementary publications and miscellaneous publications, have reflected the course of higher education during the past 35 yrs. The publications are available in academic and public libraries.

The Foundation does not award fellowships or scholarships of any kind, and publishes results of research only of those undertakings with which it has been in close touch.

The administrative offices of the Foundation are at 522 Fifth Avenue, New York, N.Y. Its president is Oliver C. Carmichael. The secretary is Robert M. Lester; the treasurer is C. Herbert Lee.

ACADIA UNIVERSITY

WOLFVILLE, NOVA SCOTIA

Founded 1838

PRESIDENT—WATSON KIRKCONNELL, M.A., Ph.D., LL.D., Dr.Oec.Pol, F.R.A.I, F.R Hist.S., F.R S.C.

CHAIRMAN OF THE BOARD OF GOVERNORS—M. R. ELLIOTT, B.A., M.D. Harv., D.C.L.

DEANS—*Arts and Science*—R. S. LONGLEY, B.Sc., M A., Ph.D.; *Theology*—G. C. WARREN, B.A., D.D.; *Engineering*—B. N. CAIN, B.E., *Music*—E. A. COLLINS, Mus.B, F R.C.O.; *Home Economics*—ELIZABETH MACMILLAN, B Sc., M.S

REGISTRAR—RUBY M. THOMPSON, B.A.

BURSAR—H. K. MOSHER.

LIBRARIAN—M. P. BOONE, M.A., B.L.S.

TEACHING STAFF

Art and Aesthetics

Beals, Helen D., B.A. Instr.

Biology

Bayne, P. McE., M.A. Tor. Prof.
Smith, E. C., Ph.D. Harv. Prof.
Bishop, C. J., Ph.D. Harv. Assoc. Prof.
McCallion, D. J., M.A. Brown Assoc. Prof.
De Witt, C. E. A., B.A., M.D., C.M. McG. Med. Officer and Instr.

Chemistry

Hill, D. U., M.A., Ph.D. Yale Wallace Prof.
Small, C. W., M.A. Tor. Prof.
Linton, E. P., B.Sc., Ph.D. Tor. Prof.

Classics

Thompson, W. H., M.A., Ph.D. Yale Barss Prof.

Economic Science

Mosher, J. I., M.A. Harv. Assoc. Prof.
Morse, N. H., M.A. Tor. Asst. Prof.
Watson, R. E., M.A. Tor. Lectr.

Engineering

Cain, B. N., B.E. N.S. Tech. Coll. I. Curry Assoc. Prof.
Spence, G. D., B.Sc. Asst. Prof.
De Wolfe, E. L., B.E. N.S. Tech. Coll. Instr.

English Lang. and Lit.

Rhodenizer, V. B., M.A., Ph.D. Harv. Morse Prof.
Sipprell, H. F., M.A. Harv. Assoc. Prof.
Margeson, J. M. R., B.A. Br. Col., M.A. Tor. Assoc. Prof.

Geology

Bancroft, M. F., M.A. Yale King Prof.
Cameron, H., M.Sc. McG. Asst. Prof.
Robinson, C. W., M.A. Yale Asst. Prof.

German

Ross, Roy, M.A. Yale — Prof.

History

Longley, R. S , M.A., Ph.D Harv. — Alumni Prof.
Cornell, P., M.A. — Asst. Prof.
Beck, J. M., M.A. — Asst. Prof.

Library Science

Boone, M. P , M.A. — Asst. Prof.

Mathematics

Sheldon, E. W., Ph.D. Yale — Prof.
Snow, D. O., M.A. — Assoc. Prof.
Haley, D. K., M.A. Stanford — Asst. Prof.

Physical Education

Kelly, F. G., B.A. — Assoc. Prof.
Geary, Geo., B.P.E. — Asst. Prof.

Physics

Noble, W. J., B.Sc. New Br., M Sc. Dal., M.A. Tor. — Prof.
Hart, K. H., M.Sc. Alta. — Asst. Prof.
McCormick, G. C., B.Sc. Dal., M.Sc. — Lectr.

Psychology

Vernon, W. H. D., B.A. Qu., M.A. Harv. — Assoc. Prof.
Grant, Marion E., M.A., D.Pæd. Tor. — Asst. Prof.

Romance Languages

Hılborn, H. W., M.A., Ph.D. Tor. — Prof.
Rayski-Kietlicz, K., mag. Phil. Cracow, D. ès L. Paris — Assoc. Prof.
Taylor, Anna J., B.A. Dal., M.A. Col. — Lectr.

Secretarial Science

Cameron, Jean, B.A. McM. — Asst. Prof. and Director.
Nowlan, G. C., B.A., LL.B. Dal. — Lectr.
Muirhead, Sade — Instr.

Theology

Bıblical Literature and Interpretation

Lumsden, C. B., B.A., B.D., Ph.D. Yale — Prof.
Levy, G. E., Th.D. — Lectr.

Church History

Whidden, E. MacD., M.A., B.D. — Prof.

Philosophy and Systematic Theol.

Fraser, R. MacG., M A., B.D., Ph.D. Yale — Prof.

Practical Theology

Warren, G. C., B.A., D.D. — Armstrong Prof.

School of Music

Musıc

Collıns, E. A., Mus.B. Camb., F.R.C.O. — Dean and Prof.
Noble, Mrs. W. J., Mus.B. — Instr.
Kalejs, J. — Instr.
Kalejs, Mrs. Felicita — Instr.
McLennan, Mrs. Phyllis, Mus.B. — Instr.
Dyke, Edith, B.A., Mus.Bac. — Instr.
MacDonald, Ruth B. (Voice) — Instr.
Morgan, Ruth (Voice) — Instr.

School of Education

Marshall, M. V., Ed.D. Harv., B.A., B.Sc. — Dir. and Prof.

School of Home Economics

MacMillan, Elizabeth, B.Sc. (H.Ec.), M.Sc. Cornell — Dean of School of H. Ec.
O'Blenes, Clarabel, M.Sc. Col. — Asst. Prof.
Allan, Genevieve, M.A. Tor. — Asst. Prof.
Wade, Charlotte, M.A. Col. — Instr.

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 Board of Governors is appointed by the Baptist Convention of the Maritime Provinces, but the students are subject to no religious tests.

LIBRARY: 90,000 vols. MUSEUMS: Biol., Ethnol., Geol., Hist. LABORATORIES: Biol., Chem., Geol., Physics, Engineering, Home Economics. OBSERVATORY: Astron.

DEPARTMENTS. Arts and Sciences, Theology, Applied Science, Home Economics, Secretarial Science, Music, Education.

DEGREE COURSES. 4 yrs.—B.A, B.Th., B.Sc., B.Sc. (Hd. Ec.), B.Mus.; 1 yr. (graduate study)—M.A., M.Sc., M.Mus.; 3 yrs. (graduate study)—B.D. The Diploma Engineering courses entitle students to enter the Nova Scotia Tech. Coll. without examination, v. p. 544. They also enable students to enter the 3rd year classes of McGill Univ. Diploma courses in Household Science, Music, Engineering, Secretarial Science and Junior Arts, and Pre-Medical, Pre-Dental and Pre-Law courses, are also provided.

FEES for tuition, annual: $205-$265. Board provided at $12 00 per week, including room. Annual inclusive cost about $650-$750.

RESIDENCE. College hostels provide accommodation for 380 men and 250 women; University Dining Hall; capacity, 600.

SUMMER SCHOOL. Organized in 1933 to provide courses of study for teachers of the province wishing to qualify for Master's degree, which is a necessary qualification for academic licence issued by Dept. of Education of Nova Scotia. Four summer sessions are required as equivalent of one full academic year. All the work for Master's degree must be carried out in one dept. Classes are also offered in undergraduate work and to a limited extent in elementary foreign languages and elementary maths.

EXTRA-MURAL WORK. Some courses by correspondence study method, not to exceed the full equivalent of one year's work.

PUBLICATIONS. *Bulletin*, 25 cents p.a.; *Calendar* (April); *Students' Year Book* (May); *Athenæum* (weekly, Oct to May).

THE YEAR 1948–49

BENEFACTIONS. $167,130.51.

SUMMER SCHOOL. 28 graduate and 134 undergraduate students. Degrees awarded: M.A., 5; M.Sc., 1; B.A., 12; B.Sc., 6; Certificates in Engineering, 6.

HONORARY DEGREES. *D.C.L.*—J. Seelye Bixler, Waterville, Me.; G. P. Gilmour, Hamilton, Ont. *D.D.*—F. W. Patterson, Wolfville, N.S. *D.Sc.*—J. Austen Bancroft, Johannesburg, S.A.; Karl E. Mason, Rochester, N.Y.

STUDENTS. Total: 818; full-time: 818; pt.-time: 0; the total includes 233 women and 51 postgraduates.

DEGREES, ETC. B.D., 4; B.A., 85; M.A., 11; B.Ed., 20; B.Sc., 55; B.Sc. (H. Econ.), 17; M.Bac., 2; B.Th., 1; Engineering Certif., 32; Dipl. (H. Econ.), 2; Licentiates in Music, 6; Dipl. in Secretarial Science, 18.

UNIVERSITY OF ALBERTA
EDMONTON

Founded 1906

Telegraphic address—VERA (A.B.C. Code).

VISITOR—The Honourable JOHN JAMES BOWLEN, Lieutenant-Governor of Alberta.

CHANCELLOR—G. F. McNALLY, M.A., LL.D.

CHAIRMAN OF BOARD OF GOVERNORS—Hon. Mr. JUSTICE PARLEE, B A., B C.L., LL D.

PRESIDENT—ROBERT NEWTON, M C , B S.A , Ph D., D.Sc., LL.D., F.R.S.C.

REGISTRAR—G. B. TAYLOR, M.Sc.

ASSISTANT REGISTRAR—A. D. CAIRNS, B.A.

LIBRARIAN—MARJORIE SHERLOCK, B.A., B.L.S.

ALUMNI SECRETARY—J. W. E. MARKLE, B.A

BURSAR—JOHN MACLEAN WHIDDEN, B.Com.

TEACHING STAFF

Accounting

Campbell, J. D., M.Com. Qu. Assoc. Prof.

Sessional Instrs.

Meikle, J., B.Com.

Hamilton, A. J., B.Com.

Berge, G. C., B.Com.

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. and Sec., Fac. of Med.

Minish, N. J., M.D. Manit. Asst. Prof.

Salt, W. R., M.Sc. Asst. Prof.

Richard, H. L., M.D., F.R.C.S. Can. Instr.

Hardy, A. W., M.D., F.A.C.S. Instr.

Bacteriology, v. Med.

Biochemistry

Collier, H. B., M.A., Ph.D. Tor. Prof.

Tuba, J., M Sc. Sask., Ph.D. Tor. Assoc. Prof.

Jelinek, B., D.Sc., Dip.Ing. Brno, B.Sc., M.D. Masaryk Asst. Prof.

Harper, A. E., M.Sc. Lectr.

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. Asst. Prof.

Cormack, R. G. H., M.A., Ph.D. Tor. Asst. Prof.

Kennedy, Lorene L., M.Sc. Lectr.

Burwash, Isabel V., B.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.
Sandin, R. B., Ph.D. Chic., M.A., F.R.S.C. Prof.
Morrison, J. L., M.Sc Sask., Ph.D. McG. and Camb. Asst. Prof.
Davis, S. G., Ph.D. McG., M.Sc. Asst. Prof.
Brown, R. K., Ph.D. McG., M.Sc. Asst. Prof.
Harris, W. E., Ph.D. Minn., M Sc. Asst. Prof.
Allen, W. F., B.Sc. W. Ont., M.A., Ph.D. Tor.
Asst. Prof. (Calgary).
Goward, D. C., B.Sc. Sessl. Instr.
Dunford, H. B , B.Sc.
Sessl. Instr.

Classics

Hardy, W. G., M.A. Tor., Ph.D. Chic. Prof.
Johns, W. H., B.A. W. Ont., Ph.D. Corn. Assoc. Prof.
May, E. C., A.B. Trin. Coll. Hartford, A.M., Ph.D. Princet.
Asst. Prof.
MacKenzie, Margery W., B.A., B.Ed. Instr. and Radio Sec.

Dentistry, v. *infra*

Economics, v. Pol. Econ.

Education

Smith, H. E., B.A. Ill., Ph.D. Cal., M.A., B.Ed.
Prof. and Dean of Fac. of Educn.
Lazerte, M. E., B A. Tor., Ph.D. Chic., M.A , B.Ed. Prof.
Doucette, A. L., M.A.
Prof. and Director, Calgary Branch, Fac. of Edn.
Dunlop, G. M., M.A.
Assoc. Prof. and Dir. of Summer Session.
Gilles, J. W., Ed.D. Stanford, M.A., M Ed. Assoc. Prof.
MacGregor, H. A., M S. Cornell, B.Sc. Assoc. Prof.
McDougall, W. D., D.Ed. Columbia, M.A. Assoc. Prof.
Sheane, G. K., M A. Assoc. Prof.
Simpson, Maimie S., M Sc., M Ed.
Assoc. Prof. and Adviser to Women Students.
Coutts, H. T., B.A. Tor., M.A.
Assoc. Prof.
Sparby, H. T., B.Sc., M.A.
Assoc. Prof. and Provost.
Baker, H. S., B.A. Tor., D.Ed. Col., M.A. Asst. Prof.
Chittick, R., B Sc. Columbia, M A. Stanford Asst. Prof
Hastie, Evangeline A , B A Tor
Asst Prof.
Higgin, Gertrude C., B A. Montana
Asst. Prof.
Buxton, E. W., B.A., B.Ed.
Asst Prof. and Asst. Provost
Hodgson, W. E., B.A., B Ed.
Asst. Prof.
Melsness, H. C., B.Sc. Asst. Prof.
Oliver, Zella J , M A. Columbia, B.A. Asst Prof
Finn, T. G., A.M. Stanford, B.A.
Asst. Prof.
Walker, B. E., M.A. Asst Prof.
Stadelbauer, Helen B , B.Sc., M.A. Columbia (Art) Lectr.
Newton, Bertha M., B.Sc. in Ed. Calif., A.M. Chic. Lectr.
Forbes, J. A., B.Ed. (Art) Lectr.
Barnett, H. B., B.A. Tor. Lectr.
Caldwell, Muriel Lectr.

Engineering, v. *infra*

English

Salter, F. M., B.A. Dal., M.A. Chic., F.R.S.C. Prof.
Jones, J. T., M.A. Oxon. & Alta.
Assoc. Prof.
Scargill, M. H., B.A., Ph.D. Leeds
Asst. Prof.

Ryan, A. A., M.A. Asst. Prof.
Heath, J. K., M.C. and Bar, B.A. Sask., M.A. Tor. Asst. Prof.
Graham, V. E., B.A. Oxon., B.A. Asst. Prof. (Calgary).
Kreisel, H., M.A. Tor. Lectr.

Entomology

Strickland, E. H., M.Sc. Harv. Prof.
Hocking, B., B.Sc. Lond., M.Sc. Asst. Prof.

Fine Arts

Glyde, H. G. (Art) Prof.
Orchard, R. H. G., M.A. Camb (Drama) Asst. Prof.
Eaton, R. S., Mus.B. McG. (Music) Asst. Prof.
Taylor, J. B. (Art) Lectr.
Crighton, A. B, Mus.Bac. Tor. (Music) Lectr.
Nelson, Esther (Drama) Ext. Lectr.

French and Ger., v. Mod. Langs.

Geology

Warren, P. S., B.A., Ph D. Tor., F.R.S.C. Prof.
Rutherford, R. L., Ph.D. Wisc., M.Sc., F.R.S.C. Prof.
Folinsbee, R E., M.Sc., Ph.D. Minn., B Sc. Asst. Prof.
Stelck, C. R., M.Sc. Lectr.

History

Long, M. H., B.A. McM., M.A. Oxon., F.R.S.C. Prof.
Collins, R. W., M.A. Acad., Ph.D. Columbia, B.D. Union Theol. Sem., F.R.Hist.S. Assoc. Prof.
Thomas, L. G., M.A. Asst. Prof. and Sec. Fac. Arts and Sci.
Self, G. M., M.A. McG., Ph.D. Chic. Asst. Prof. (Calgary).

Household Economics

Patrick, Mabel, B.A. Tor., M.A. Columbia Director, Prof.
McIntyre, Hazel, M.S. Ames, B.Sc. Asst. Prof.
Duggan, Grace L., M.Sc. Chic., B.Sc., B.Ed. Asst. Prof.
Katainen, Violet O., B.H.E. Br. Col., M.S. Mich. Sta. Lectr.
Cairns, Grace E , B.Sc. Instr. and Dietitian, Univ. Cafeteria.
Empey, Elizabeth, B.Sc. Instr. and Dietitian, Univ. Dining Room.
Young, Baunita, B.Sc. Asst. Dietitian, Univ. Dining Room.
Miller, Mrs. Irene, B.Sc. Sessl. Lectr.
Bentley, Mrs. Helen S., M.S. Iowa Sessl. Lectr.
Brewer, Mrs. Alice, B.H.Ec. Sessl. Lectr.

Industrial Research, v. *infra*

Law

Bowker, W. F., B.A., LL.B. Prof. and Dean.
Steer, G. H., K.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.
Smith, A., B.A., LL.B. Assoc. Prof.
Reed, G. W., B.A. Tor. Asst. Prof.

Sessional Instructors

Cairns, L. Y., K.C., B.A.
McLean, A. T., B.A., LL.B.
Cobbledick, D. W., LL.B.
Moir, A. F., LL.M. Harv., B.A., LL.B.
Johnson, H. G., K.C., B.A., LL.B.

Mathematics

Campbell, J. W., M.A. Qu., Ph.D. Chic., F.R.S.C. Prof.
Cook, A. J., M.A. Harv., Ph.D. Chic., B.Sc. Assoc. Prof.

Keeping, E. S., B Sc. Lond., D I C. Assoc. Prof.
Wyman, M., Ph.D. Cal. Inst. Tech., B.Sc. Asst. Prof.
Phibbs, E., M.A. Camb. Asst. Prof.
Millar, J. G , M.Sc. N.Z., B.A. Camb. Asst Prof. (Calgary).
Fostvedt, T., M.S. Chic., B.Sc. Lectr.
Jacka, R. C., M.S. Chic., B.Sc. Lectr
Jordan, H. A , Ph D. Frankfurt am Main Lectr
Shaw, A., B Sc. Lectr.
Fisher, L. A., B.Sc., B.Ed. Instr

Medicine, v. *infra*

Modern Languages

Owen, F., M.A Tor , Ph D Chic (German) Prof.
Healy, D. McN , M B E , L. ès L , D. de l'U. Paris, B.A. (Romance Langs) Assoc. Prof.
Müller, E., Ph D. Northwestern, M.A. (German) Asst Prof.
Greene, E. J. H., D. de l'U. Paris, M.A. (French) Asst. Prof.
Faucher, M., L. en Droit Paris, M.A. Calif (French) Asst. Prof.
Graham, V. E., B.A. Oxon , B A. Asst. Prof. (Calgary).
Samuel, G., M.A. Glas. (French) Lectr.
Starchuk, O., Dr. Jur. et Rer. Pol. Chernowitz (Russ.) Lectr.

Philosophy and Psychology

Macdonald, J., M A., D.Litt. Edin. (Soc. Psychol. and Soc. Philos.) Dean, Fac Arts and Sci., Prof.
Smith, D. E., M.A Qu., Ph.D Harv. (Psych.) Prof.
Mardiros, A. M., M A Melb , M.Litt. Camb. (Philos.) Asst. Prof.
Spearman, D., M.A. McG., M.A., Ph.D. Montreal (Psychol.) Lectr.

Physics

Grayson-Smith, H., M.A., Ph.D. Tor., F.R.S.C. Prof.
Lang, R. J., B.A. McM., M.A., Ph.D. Tor., F.A.A.A.S., F.A.P S , F.R.S C. Prof.
Nichols, L H., B.A. McG., M A., F.R.M S. Assoc. Prof.
Gowan, E. H., D.Phil. Oxon., B.A., B.Sc Asst. Prof.
Scott, D. B., B A Tor , Ph.D. McG. Asst. Prof.
Newbound, K. B , M.Sc. Manit., Ph.D. Mass. Asst. Prof.
Millar, J. G., M.Sc. N.Z., B.A. Camb. Asst. Prof (Calgary).
Happ, W. W., B.Sc. McG., S.M. Mass. Instn. of Tech , Ph D. Bost. Asst. Prof.
Kerr, W. W., B A. W. Ont , M.Sc. Wayne Sessl. Lectr.

Physiology and Pharmacology

Rice, H. V., M.D., Ph.D Tor Prof.
Stewart, W C., B.A. Tor., M.A., M.D., C.M. Qu. Assoc. Prof.
Höhn, E. O., M.B., M.Sc. Lond. Asst. Prof.
Stock, D. Helen, B.A. Qu., M.A. Tor. Sessl. Instr.

Political Economy

Stewart, A , B S A., M.A. Manit., Ph.D. Edin. (Econ and Agric. Econ.) Dean of Bus. Affairs, Dir. of School of Commerce and Prof.
Mayo, H. B., M.A., D.Phil. Oxon. Assoc. Prof.
Self, G. M., M.A. McG., Ph.D. Chic. Asst. Prof. (Calgary).
Jorgens, J. R. S., M.S. Wash., B.Sc. (Farm Management) Asst. Prof.
Hanson, E. J., B.A. Qu., M.A. Lectr.
Wise, T., B.A. Camb. Lectr.

Zoology

Rowan, W., D.Sc. Lond., F.R.S.C. Prof.
Miller, R. B., M.A., Ph.D. Tor. Assoc. Prof.
Moore, E., M.A. Sask. Lectr.
Clare, S., B.A. Kansas, M.S. Iowa Sta., Ph.D. Chic. Lectr.

Agriculture

Agr. Engineering

Smith, J. MacG , B S.A. Manit Prof
Stephanson, B. T., B.E. Sask. Lectr.

Animal Science

Sinclair, R D., M S Iowa, Ph D. Aberd., B.S.A. Dean, Fac. of Agric., Prof.
McElroy, L. W., Ph.D. Calif., M.Sc. Assoc. Prof.
Bowstead, J. E., M.Sc., Ph D. Wisc. Assoc. Prof.
Clandinin, D. R., M.S.A. Br. Col., Ph.D. Wisc. (Poultry) Assoc. Prof.
Robblee, A. R., Ph.D. Wisc., M.Sc. (Poultry) Asst. Prof.
Bowland, J.P., B.S.A. Manit., M.S. Wash., Ph.D. Wisc. Asst. Prof.
O'Donoghue, J. G., D.V.M. Tor. (Vet. Sc.) Lectr.
Rigney, H. A., M.Sc. Sessl. Instr.

Dairying

Thornton, H. R , Ph.D. Wisc., B.Sc. Prof.
Wood, F. W., M Sc. Asst. Prof.
Smith, L. M., M.Sc. Lectr.

Plant Science

McCalla, A. G., Ph.D Calif., M.Sc. Prof.
Henry, A. W., M.S.A. Sask., Ph.D. Minn. (Plant Pathol.) Prof.
Hilton, R. J., B.Sc. McG., Ph.D. Lond. (Horticulture) Assoc. Prof.
Johnson, L. P. V., Ph.D. Wash., M.Sc. (Genetics and Plant Breeding) Assoc. Prof.
Corns, W. C., Ph.D. Tor., M.Sc. Asst. Prof.
Unrau, J., B.S.A., M.Sc. Sask., Ph.D. Wash. (Genetics and Plant Breeding) Asst. Prof.
Knowles, R. H., B.S.A. Tor. (Hortic.) Lectr.
Smith, W. E., M.Sc. Lectr.

Soils

Newton, J. D., B S A. McG., Ph D. Calif. Prof.
Bentley, C. F., Ph.D. Minn., M Sc. Asst. Prof.
Toogood, J. A., Ph D. Minn., B.Sc. Asst Prof.
Ward, A. S., B.S.A., M.Sc. Lectr.

Engineering

v. also Research Council of Alberta and Industrial Laboratories

Chemical E.

Govier, G. W., B.A.Sc. Br. Col., Sc.D. Mich., M.Sc. Prof.
Gregg, J. W., B Sc., M S Calif. Asst. Prof.
Robinson, D. B., M.A.Sc. B.C. Asst. Prof.
Scott, A. L., M.A.Sc. Tor. Lectr.

Civil and Municipal E.

Hardy, R. McD., B.Sc. Man., M.Sc. McG. Dean, Fac Applied Sci., Prof.
Morrison, I. F., B.Sc. Mass. Inst. Tech. (Appl. Mechs.) Prof.
Thorssen, L. A., B.Sc., M.S. Iowa (Civil E.) Prof.
Blench, T., B.Sc. Glas. (Irrigation Eng.) Assoc. Prof.
Preston, W. W., B.Sc. Qu. (Drawing and Descriptive Geom.) Asst. Prof.
Gads, L. E., B.Sc. (Civil E.) Asst. Prof. and Sec. of Fac. of Applied Sci.

Ford, G., Ph.D. Stanford, M.Sc. Asst. Prof.
McPherson, F., B.Sc. (Civil E.) Lectr.
McManus, R. N., M.Sc (Civil E) Lectr.
Sinclair, S. R., M.Sc (Civil E.) Lectr.
Longworth, J., M.Sc. Illinois, B.Sc. (Applied Mech.) Lectr.
Archibald, H D , B.Sc Sessl. Instr.
Bernard, D. A , B.Sc. Sessl. Instr.
Bouthillier, P. H , M Sc. Sessl. Instr.
Fowler, E. L., B.Sc. (Civil E.) Sessl. Instr.
Reid, N. L , B.Sc. Sessl Instr.
Sessl. Demrs.

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 Supt. of Bldgs
Phillips, R E , B.Sc. Lectr
Panar, D., M.Sc. Mich. (Mech. E.) Lectr.
Sadler, G. W., B.Sc. Sask. Lectr.
MacKay, D. E. A , B Eng. McG., M.Com. Tor. (Mech. Eng.) Instr. and Asst. Engineer.

Sessional Instructors

McClary, R. E., B.Sc.
King, R. W., B.Sc.
Dofka, H. H., B.Sc.
Michie, C. G., B.Sc.
Larson, V. C., B.Sc.
Probert, J. F., B.Sc.

Mining and Metallurgy

Clark, K. A., M.A. McM., Ph.D. Ill. (Metall.) Prof.
Lilge, E. O., M.Sc. Prof.
Patching, T., B.Sc. Asst. Prof.

Industrial Laboratories

Kelso, J. A., M.Sc. Qu. Director and Prov. Analyst.
Noble, C. E., B.A., B.Sc. Asst.

Medicine

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

Anæsthesia

Watts, E. H., B.A., M.D. Clin. Prof.
Carmichael, J. E., B.Sc., M D , C.M. Qu. Hon. Instr.
Oswald, J McD., M B. Tor. Hon. Instr.
Gain, E A., B.A , M.D Sessl. Instr.

Bacteriology and Hygiene

Stuart, L. D., M.B., Ch.B., M.D , D.Sc., D.P.H Aberd., F.R.F.P.S. Glas. Prof.
Bow, M. R., B.A., M.D., C.M. Qu., D P.H Tor. (Public Health) Assoc Prof
Stirrat, J. H., B.Sc., Ch.B., M.D. Glas. Assoc. Prof.
Little, G. M., M.D. Manit , D.P H. Tor. (Public Health) Lectr.
Lamb, A. B., B.Sc. McG. Asst. Prof.
Keeping, Eleanor S , Ph.D. Manit., M.Sc (Mycol) Sessl. Lectr.
Schrag, A. R , M.D. (Mental Hyg.) Instr.
Somerville, A., M.A., M.D. Manit., D.P.H. Tor. (Hyg.) Instr.
Myers, G E., M.Sc. Lectr.
Smeltzer, Jeanne A., B.Sc. Instr.
Stanley, D. R., M Sc. Harv., B.Sc. (Hyg.). Sessl Instr
McAlister, W. J., M.C., M D., C.M. McG. (Mental Hyg.) Hon. Instr.

Dermatology

Orr, H., O.B.E., M.B., D.P.H. Tor., F.R.C.P.Can. Clin. Prof.
Rentiers, P., M.Sc. Minn., B.A., M.D. Instr.

Medicine and Clinical Medicine

Scott, J. W., M.D., C M McG., F.R.C.P.Can., F.A.C.P. Dean of Fac. of Med., Prof.

Jamieson, H C., M.B Tor., F R C P Can. Hon. Prof.

Scott, W. H., M.C., M.D., C.M. McG., F.R.C.P.Can. (Clin. M.) Prof.

Hamilton, K., B.A. Tor., B.A., M.B , B Ch. Oxon., F.R.C.P. Can., F.A.C.P. (Clin M.) Prof.

Sprague, P. H., M.Sc. Minn., M D., F A.C.P (Clin. Med.) Prof.

Bell, I. R., B.A., M.B. Tor., F.R.C.P.Can. (Therap.) Prof.

Thomson, R. K. C , B Sc., M.D (Clin. Med.) Asst. Prof.

Rich, C. B , B.S., F.R.C.P.Can. (Clin. Med.) Asst. Clin. Prof.

Wilson, D. R., B.A. Oxon., M.D., C.M. McG., F.R C.P.Can. Asst. Prof.

Davison, G. R., M.D., C.M. Qu. (Clin. Med.) Lectr.

Elliott, J. F , B A., M D , F R C P. Can. (Clin. Med.) Lectr.

Anderson, A. F , M.D., C M Manit. (Clin Med.) Hon. Instr.

Field, T. H., M.D., C.M. McG. (Clin. Med.) Instr.

Donald, E. F., M.D. (Clin. Med) Instr.

Bell, G. I., M.D. (Clin. Med.) Instr.

Lefebvre, C., B A. Laval, M.D. (Clin. Med.) Instr.

Elliott, F. G., M.D., C.M. Qu., F.A.C.P. (Clin. Med.) Instr.

Greenhill, S., M.D., D.P.H. Tor. (Clin. Med.) Instr.

Scott, S. McI., M.D. Manit. (Clin. Med.) Instr.

Whiting, R. H., B.A. Tor., M.D., C.M. McG. (Clin. Med.) Instr.

Downs, W. J., M.D., C.M. McG., B.A. (Clin. Med.) Instr.

Bramley-Moore, W., M.D. (Med. Economics) Lectr.

Peers, A. L., B.A. Camb. (Clin. Med.) Demr.

Nursing

Penhale, Helen E. M., B.Sc , M.A. Columbia Director of Sch.

Hamilton, Helen G. F., B.S., M.A. Columbia Science Instr.

4 Hospital Teachers.

Obstetrics and Gynæcology

Vant, J. R., B.A., M.D. Manit., 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, Allan, M.B. Tor. Clin. Prof.

Maclennan, A. H., B Sc., M.D. Lectr.

Clarke, T. R., M.D. Lectr.

Horner, R. H., M.D., F.A.C.S. Lectr.

Hutton, Margaret MacS., B.A., M.D. Instr.

Parlee, S. S., B.Sc., M.D. Instr.

Richie, D.C., B.Sc., M.D. Sessl. Instr.

Ophthalmol. and Rhino-Oto-Laryngol.

Marshal, M. R., M.D., C.M. McG., D.L.O. Prof.

Armstrong, W. S. S., M.D., C.M. McG. (Rhino-Oto-Laryng.) Lectr.

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. Clin. Prof.

Rostrup, O., M.D., F.A.C.S., F.R.C.S.Can. Lectr.

Wilson, G. L., M.D. Instr.

Pathology

Ower, J. J., V.D B A , M.D , C.M. McG , F R C P Can , Prof. and Provincial Serologist.
Macgregor, J. W., B A., M.D. Asst Pathologist and Prof
Waugh, D. O W., M.D., C.M., M.Sc., Ph.D. Assoc. Prof. and Asst Prov. Pathologist
Hanson, S., M.D. Lectr.
Sturdy, J. H., M.D. Lectr.
Weinlos, M , B A , M.D., F R C S Ed. and Can. Instr.
Cantor, M. M., B Sc , M.D., F.A.C.P. (Med Jurisp.) Lectr.
Malcolmson, P H , M D. Tor , B A Instr.
Sereda, M. M , M.D. Instr.

Pædiatrics

Leitch, D. B., M C., B.A., M B. Tor., F R C.P Can. Clin. Prof.
Calder, J., M.D Lectr.
Poirier, R , M.D. Montr. Instr.

Pharmacology, v Physiol.

Pharmacy

Huston, M. J., Ph.D Washington, M.Sc. Prof and Dir. of Sch.
Murray, J. R., M.Sc. Lectr.
Riedel, B. E., M.Sc. Lectr.
Anderson, A. J., M S. Wash., B.Sc. Lectr.
Sprague, W. M. Instr.

Psychiatry

McLean, 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. Oxon., D.P.M. Lond. Hon. Instr.
Michie, T. C., M.D. Instr.
MacPherson, A. D., M.D. Instr.
Spaner, S., B.A., M.D. Instr.

Radiology

Procter, R., M.D. Manit. Lectr.
Malcolmson, P. H., M.D. Tor., B.A. Instr.
Mallett, M., M.D., C.M. McG. Instr
Duggan, H. P., M.D. Instr.
Clare, R. McC., M D. Asst Instr.

Surgery and Clinical Surgery

Hepburn, H. H., M.C , M D , C M. McG., F R.C S. Edin , F A C S , F.R C S Can. Prof. and Prof Neurosurg
Wilson, W. A., M D., C.M McG., F A C.S , F R C.S Can. (Clin. Surg) 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 Assoc. Clin. Prof.
Anderson, R. L., B.Sc., M.D., F.A.C.S., F.R.C.S.Can. Clin. Prof.
Anderson, W. S., M.D., M.S. Tor., B.Sc., F.A C.S., F.R.C S.Can. Clin. Prof
Whiteside, W. C , M D., F.A.C.S., F R C S Can (Clin. S.) Lectr.
MacKenzie, W. C., B.Sc., M.D., C M. Dal., M.S. Minn., F.R.C S., F.R.C.S Can. Clin. Prof.
Tucker, G. N., M.D. Tor. (Urol.) Lectr.
Greene, E., M.D., C.M. McG., F.A C.S., F.R.C S. Can. and Edin. (Surg. Anat.) Hon. Lectr.
Hitchin, E., M.D. Lectr.
Mousseau, L. P., M.D. Montr., F.A.C.S., F.R.C.S.Can. Lectr.
Weinlos, M., B.A., M.D., F.R.C.S. Can. and Ed. Lectr.
Geissinger, M. E., M.D., F.R.C.S. Can. (Clin. S.) Lectr.

Instructors

Allin, E. S., M.D. Tor., B Sc, F R C S (Clin. S).
Archibald, W. S., M.D , C.M. McG., B A. (Clin. S).
Eadie, W. W , M.D. (Clin S.)
Gourlay, W. N , M.D., F.A.C.S., F.R C.S.Can. (Clin. S.).
Hardy, A. W., M.D., F.A.C.S. (Clin. S.).
Orobko, J., M.D , C M. McG., F.A.C S. (Clin. S.).
Shandro, W. A., M.D., C M. McG., F.R.C.S.Can. (Clin S.)
Conroy, F D , M.D (Urol)
Richard, H. L., M.D., F.R.C.S. Can.
(Clin S. and Surg. Anat).
Meltzer, H., M.D. Manit.
(Clin. S.) Instr.
Morton, G. K., M D.
(Clin. S.) Instr.
Lees, J. M , M.D. Instr.
Musgrove, J. E., M.D. Manit., M.S. Minn., F.A.C.S., F.R.C.S. Can. (Clin. S.) Instr.
Weinlos, C. H. M., B.A., M D , F.R C.S.Can.
(Clin. S.) Instr
Wilson, J. S., B.Sc. New Br., M.D. Tor., F.R.C.S.Can.
(Clin. Surg.) Instr.

Therapeutics

Bell, I. R., B.A., M.D. Tor, F.R.C.P.Can , F.A.C.P. Prof.
Rodman, F. S. B., M.Sc. Sask., Ph.D. Minn., M.D. Lectr.

Dentistry

Hamilton, W. S., L.D.S., D.D.S. Tor., F.A.C.D., F.D.S.R.C.S. (Oral S.)
Dean, Fac. of Dent., Prof.
Gilchrist, H. A., D.D.S. Northwn., F.A.C.D.
(Prosthetic D.) Hon. Prof.
Maclean, H. R., D.D S. (Oper. D.) Prof.
Neilson, J. W., B.A. Sask., D.D.S., M.Sc. Dent. Mich.
(Periodontia and Preventive D.) Assoc. Prof.
Rooney, R. A., D.D S. Valparaiso
(Prosthetic D) Hon. Prof
Fraser, S. D., D.D.S.
(Prosthetic D) Assoc. Prof.
Quigley, W. A. E., L.D.S., D D S. Tor., M.S Mich.
(Orthodontia) Assoc. Prof.
Orobko, W., B.Sc., D.D S.
(Oper. D.) Asst. Prof.
McLean, J. D., D.D.S. Tor.
(Prosthetic D.) Asst. Prof.
Brass, G. A , D.D S., B.S.D. Northwestern
(Oper. D.) Asst Prof.
McMurchy, K. A., B A. Sask., D D.S. (Operative D.) Lectr.
Webber, W. E., D.D.S., L D.S. Tor. (Prof. Ethics) Lectr.
Hawkins, J. D., D.D S
(Oral Anat) Lectr.
Cameron, R. B., D.D.S., L.D.S. Tor. (D. Therap.) Lectr.

Instructors

Blaquiere, R. H., D.D.S.
(Prosthetic D.).
Decker, G. E., D.D.S.
(Oral Diagnosis).
Fee, A. D., D.D.S.
(Prosthetic D.).
Eastwood, B. J., D.D.S.
(Orthodontics).
Florence, D. E., D.D S., L.D.S. Tor. (Oral Anat.).
Stewart, D. R., D.D.S.
(Prosthetic D.).
Stuart, W. R., D.D.S.
(Prosthetic D.).
Duke, C. G., D.D.S.
(Prosthetic D.).
Johnstone, W. A., B.Sc., D.D.S.
(Prosthetic D.).
Samuels, H. L., B.Sc., D.D.S.
(Operative D.).

Hon. Members

Clay, J. W., L D.S. W. Ont., D.D.S. Penn. and Tor., F.I.C D. (Exodontia).
M'Intyre, R. R., L.D S., D.D.S. Tor. (Orthodontics).
Husband, C. D., D.D S. (Local Anæsthesia).
Mason, A. B., D.D.S. Penn (Periodontia).
Ness, H B, D D.S Minn, L D S Sask (Crown and Bridge Work).

Physical Education

Van Vliet, M. L, M S. Oregon Prof
Johnson, Tessa M, A B Calif, M.S. S. Calif. Asst Prof.
Eriksson, A. W. E., M.Sc., M.A. Wash. Asst. Prof.
Smith, W. D., B.P.H.E. Tor., M.A. Calif. Asst. Prof.
Goodwin, L., B.A., B.Ed. Asst. Prof.
Austin, Patricia, B.P.H.E. Tor Lectr.
McLachlin, H. J., B.Sc McG. Lectr.

Provincial Laboratory of Public Health

Shaw, R. M., B.A., M D., C.M., D P.H., F.R.C.P.Can. Prov. Bacteriologist and Dir.
Shute, D., M B., Ch B., M.D. Manc. Dir.

Research Council of Alberta

Administrative Officers

Newton, R., M.C., B.S.A, M.S., Ph.D., D.Sc., LL.D., F.R.S.C. President of the Univ., Dir. of Res.
Hardy, R. McD., B.Sc. Man, M.Sc McG. Dean of Fac. of Engineering and Asst. Dir. of Res.
Lang, W. A, M.Sc. (Fuels) Assoc. Res Prof.
Pasternack, D. S., B Sc Qu, Ph D. McG (Bituminous Sands) Res. Chemist
Gregory, J., M.Sc. Indust Engin.
Charlesworth, J S, B Sc (Gasoline and Oil Testing) Chemist.
Odynsky, W, M Sc. Soil Surveyor.
Tipman, E., B Sc (Gasoline) Asst.
Clow, W. H. A., B Sc. Asst. Geol.
Fryer, J. F., B Sc (Fuels) Jr. Asst.
Sherlock, E., B Sc Lond., M Sc Asst Res Chemist.
Morimoto, T. E, B.Sc Asst Res. Engineer.
Wardle, M. R., B.Sc. McM (Fuels) Asst Res. Chemist.

Department of Extension

Cameron, D., M.Sc. Director.
Macleod, Flora, B.L.S. Tor., M A. Librarian.
Hillerud, Sylvan, B.S.A. Agr. Sec.
Campbell, D D., B.Com., B A. Br. Col. Lectr.

AFFILIATED INSTITUTIONS

Mount Royal College, Junior College, Calgary. 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. Principal—E. J. Thompson, M.A., B.D., Ph.D.

St. Joseph's Catholic College (Arts). Rector, Brother Prudent, F.S.C.,

B.A., B.Paed. Affiliated to the Univ. in May 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, operates directly under the authority of the Dept. of Education. Affiliated May 13, 1926. Principal—J. Fowler, B.A., B.Sc., LL.D.

GENERAL INFORMATION

The University was created in 1906 by an Act of the first session of the first legislature of the Province. On January 1908 Dr. Henry Marshall Tory entered on his duties as President. The Senate supervised all phases of the institution's activities until 1910. At that time a Board of Governors was constituted and was given charge of the Univ.'s business affairs. This form of government remained substantially unaltered until 1942, when a new Act reduced the size of the Senate and transferred most of its academic functions to the General Faculty Council.

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 Buildings (1915), the Engineering Laboratories (1919) and the Medical Building (1921). In 1922 the near-by 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 is scheduled to open in 1951 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 is scheduled for completion by Jan. 1, 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.

LIBRARY, 130,000 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.

The provincial laboratory of public health and the industrial laboratory are also situated on the campus.

FACULTIES. Arts and Science (with associated Schools of Commerce and Household Economics); Agriculture, Engineering (Chemical, Civil, Electrical,

Engineering Geology, Engineering Physics, Petroleum and Mining); Dentistry; Education (responsible for all teacher training in the Province); Law; Medicine (with associated Schools of Nursing and Pharmacy); School of Graduate Studies.

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. Admission is at the senior matricn. (Grade XII) level, except from a Provincial School of Agriculture.

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); 4 yrs.—B.Sc. (Agric.), B.Sc. (Engineering), B.Ed.; 5 yrs.—D.D S. (1 yr. pre-dental), B.A., LL.B., B.Sc. (Nursing) (3 yrs. in hospl. trg.); 6 yrs.—B.Sc., M.D. Other "combined" courses: 5 yrs.—B.A., B.Com.; 6 yrs.—B.A., B.Sc. (Engineering), B.Sc., D.D.S.

A Bachelor with honours standing may obtain the M.A. or M.Sc. in 1 yr. of advanced study; from the general course in 2 yrs. The M.Ed. requires the equivalent of 2 yrs. of advanced study. Divinity students may qualify for the B D. degree.

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 *honoris causa*.

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 Diploma (3 yrs.); Junior Diploma (2 yrs); 1 yr. "Normal" course for Jr. Elementary and Intermediate School Certif. *Nursing*: 3-yr. general diploma course; 1-yr. diploma courses for grad. nurses in Public Health Nursing and Teaching and Supervision. *Short courses* in Dairying and Obstetrics.

FEES, ANNUAL TUITION: B.A., $130, B.Sc., $150; B.Com., 1st yr. $150, 2nd and 3rd yrs. $165; B.Sc. (H Ec., B.H.Ec.), $150; B.Sc. (Agric.), 1st yr. $135, 2nd, 3rd and 4th yrs. $150; B.Sc. (Engineering), $200; D.D.S. pre-dental, $150, 1st and 2nd yrs. $265, 3rd and 4th yrs. $300; B.Ed., 1st and 2nd yrs. $115, 3rd and 4th yrs. $130; B.A., LL.B., 1st and 2nd yrs. $130, 3rd, 4th and 5th yrs. $175; B.Sc., M.D., 1st and 2nd yrs. (pre-medical), $150, subsequent four yrs. $400; B.Sc. (Nursing), 1st and 5th yrs. $150, 2nd, 3rd and 4th yrs. gratis; B.Sc. (Pharmacy), 1st yr. $170, 2nd and 3rd yrs. $185. General Fees: Registration, $8; Library, $5; Medical Service, $8; Students' Union, $18.50.

RESIDENCES. Three residential Halls with accommodation for 450 (plus two halls belonging to affiliated colls.). Cost of room and board, $52-55 per month. Full meal and restaurant service provided by Univ. Cafeteria. Social life is under the supervision of the Provost. All undergraduates are members of the Students' Union.

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.

The BANFF SCHOOL OF FINE ARTS held during July and Aug. offers courses in Theatre, Art, Music, Applied Art and Oral French.

PUBLICATIONS. *Calendar*; Summer Session *Announcement*; *Your University* (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, twice weekly); *Evergreen and Gold* (annually by students); *Western Theatre* (quarterly, by Depts. of Fine Arts and Extension), *Stet* (Students' Literary Quarterly).

THE YEAR 1948–49

BENEFACTIONS. National Research Council, $38,876.71 in accountable advances for res. work carried out under the direction of certain staff members; Imperial Oil Ltd., Robot Podbielniak apparatus and 2 companion units valued at about $19,500 to assist petroleum res. in Dept. of Chem. Engin., 7 used steam engines for use in Fac. of Engin., $600 to Library for purchase of Catalogue of Foraminifera of American Museum of Nat. Hist.; Alberta Branch of Canadian Cancer Society, a Scopicon micro-projector for use in Dept. of Pathology; National Cancer Inst. of Canada, grants totalling $10,084.53 for cancer res.; Defence Research Board, $7175; Rockefeller Foundation, $2000 for res in social sciences; Canadian Foundation for Advancement of Pharmacy, $1950 for various projects; Science Service, Dominion Dept. of Agriculture, res. grants of $800 and $700 to the Depts. of Entomol. and Bot. respectively; Merck and Co. Ltd., $1500 for res. on poultry nutrition; United Grain Growers Ltd, res. grants totalling $1300 to Depts. of Plant Science and Animal Science; North American Cyanamid Ltd., $1200 for res. on chemical defoliation of legume seed crops; Ellison Milling and Elevator Co. Ltd., $250, Maple Leaf Milling Co Ltd., $1200, Ogilvie Flour Mills Co. Ltd., $500, Purity Flour Mills Ltd., $1200, Robin Hood Flour Mills Ltd., $1200, all these grants going to the Dept. of Plant Science for res. on varieties of soft wheat in Alberta; Division of Botany and Plant Pathol., Dominion Dept. of Agric., $1100 to Dept. of Botany to assist in ecological survey of Peace River area; anonymous donor, $1000 for cancer res.; Alberta Seed Growers' Co-operative Ltd, $1000 as first of five annual contributions to res. project on seed setting and forage crop production; Canada Cement Co. Ltd., $500 contribution to Concrete Res Fund; Consolidated Mining and Smelting Co. Ltd., $500 for urea feeding investigations; Barley Improvement Institute, $500; Dr. and Mrs. Robert Newton, 55 pictures as the first instalment of "The Emma Read Newton Collection"; Mrs. J. H. Woods of Calgary, "The Lieut.-Col. J. H. Woods Memorial Fund" of $122,818 to construct 2 chalets for the Banff School of Fine Arts; other donations amounting to $5525 to the Banff Foundation including $4000 from an anonymous donor and $1000 from Sicks' Breweries Ltd.; "Friends of the University", 91 individual donors, $727.50; Burns and Co., $500 for res. in Animal Sci.; Alberta Dental Assoc., $300; Canadian Natural Gas, $1200 for scholps. Numerous other gifts for various purposes from societies and private persons.

PRINCIPAL NEW SCHOLARSHIPS, ETC. The I.O.D.E. Second War Memorial Matriculation Bursary of $1600; The Memorial Scholp. Fund of $83,580.90 contributed by 912 donors to provide scholps. for Univ. education of the sons and daughters of those who served in the Second Great War—one scholp. of $650 available; The Calgary Herald Scholp. in Chemical and Petroleum Engineering of $1000 (or $1100 in the event of the winner being a former Calgary Herald carrier); The Emma Clarissa Malcolm Scholps. from a trust fund of $7256.25 for scholps. for the children of her brothers and sisters and their descendants; The Terwillegar Memorial Fund of $10,000 for scholps. in Medicine and Engineering; The Imperial Oil Ltd. scholps., 4 of $250 each awarded by the co. to children of their employees; The Zeta Psi

Educational Foundation Scholp. of $200 to be awarded to a student who is not a member of the Zeta Psi Fraternity; The Alberta Wheat Pool Scholp. of $150 in Household Economics; The Brewers and Hotelkeepers of Manitoba Scholp. of $150 to be awarded to a student of their selection, The R.C.E. Memorial Scholp. of $125 to be awarded to a student who has completed the third yr. of Engineering and is a member in good standing of the C O.T C.; The J. M. Warner Scholp of $100 in Pharmacy; the Canada Gamma Chapter of Delta Delta Scholp. of $100 to be awarded to a woman student of their selection; The Senior Greek Prize of $50 offered by Dr. E. C May; The E. L. Pope Gold Medal in Medicine offered by the Edmonton Academy of Medicine to be awarded in the final year of Med.; The Allan Coates Rankin Prize in Bacteriol. of $25 offered by the Rankin Medical Journal Reporting Club; The Education Book Prize of $15 offered by the 1949 graduating class in Educn; The Henri Bergson Bronze Medal and a Book Prize offered by the French Embassy in Ottawa for award to students in French classes; From the Volunteer Overseas Medical Officers Assoc, $100 to complete a fund to endow "The Moshier Memorial Medal" in perpetuity; From a group of Alberta dentists, annual contributions averaging $50 each to build up the Postgraduate Scholp. Fund in the Fac. of Dentistry, a total of $1375 to date.

EXTENSION WORK. Lantern slides sent out year ending March 31, 249; miniature slides, 278; film strips, 2410; sets of motion-picture films, 3831. Lectures, 1008. Travelling library circulation, 7179. Open shelf library circulation, 61,375. Radio talks, 235. Banff School of Fine Arts, 608. Univ. Week for Farm Young People, 125. Community Life Conferences, short courses and refresher courses, 2416.

RETIREMENTS. Prof. J. A. Allan (Geol.); Prof. J. R. Fryer (Genetics and Plant Breeding); Dr. F. H. H. Mewburn (Orthopædic Surg.).

RESIGNATIONS. Asst. Prof. W. P. Calhoun (Dent.); E. K. Cumming (Mech. Engin.); Assoc. Prof. G. K. Haverstock (Educn.); Asst. Prof. H. W. Hewetson (Pol. Ec.); Asst. Prof. J. W. Howe (Animal Sci.); Asst. Prof. R. L. Hughes (Phys. Educn.); Prof. G. O. Langstroth (Phys); Assoc. Prof. R. A. McEwen (Dent.); Dr. A. C. McGugan (Public Health); Sheila Jean Murray (House. Ec.); Assoc. Prof. J. M. Scott (Educn.); Dr. J. M. Sinclair (Clinical Med.); E. R. Whitehouse (Drama).

HONORARY DEGREES CONFERRED. *LL.D.*—Hon. Senator W. A. Buchanan, Honorary Pres. of Canadian Press Assoc.; Monsignor F. Vandry, Rector of Laval Univ.; Rev. J. S Thomson, Dean of Divinity, McGill Univ.; J. Fowler, Principal, Institute of Technology and Art, Calgary; L. B. Thomson, Director of Prairie Farms Rehabilitation Act; A. B. Watt, eminent journalist and an original member of Convocation.

STUDENTS. Total: 6687; full-time: 4440; pt.-time: 2247; the total includes 2410 women and 220 postgraduates.

DEGREES AND DIPLOMAS. B.D., 1; B.A., 129; M.A., 7; LL.B., 18; B.Sc., 247; M.Sc., 24; M.D., 34; B.Sc. in Agric., 91; B.Comm., 105; D.D.S., 20; B.Ed., 254; M.Ed., 27; B.Sc. in Engineering, 225; B.Sc. in House. Econ., 31; B.Sc. in Nursing, 17; B.Sc. in Pharmacy, 27. Dip. in Education, Junior, 173, Senior, 78; Dip. in Music, 6; Dip. in Nursing: R.N., 50; Pub. Health, 10; Teaching and Superv., 5; Dip. in Pharmacy, 2.

UNIVERSITY OF BISHOP'S COLLEGE
LENNOXVILLE, QUEBEC

Founded 1853

VISITORS—THE ARCHBISHOP OF QUEBEC and THE BISHOP OF MONTREAL.

CHANCELLOR—G. H. MONTGOMERY, B.A., D.C.L., LL.D., K.C.

VICE-CHANCELLOR AND PRINCIPAL—A. R. JEWITT, M.A., Ph.D., 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—STUART SANDERS, Bursar and Secretary of the Corporation.

VICE-PRINCIPAL—A V. RICHARDSON, M.A. Camb., D.C.L., F.R.S.A.

DEANS—*Arts and Science*—A. R. JEWITT, B A. Dal., M.A. Oxon., Ph.D. Cornell, D C.L. ; *Divinity*—Rev. W. R. COLEMAN, M.A., B D. Tor., S.T.M. U.T.S., N.Y.

TEACHING STAFF

Biology

Langford, A. N., B A. Qu., M.A., Ph.D. Tor. Assoc. Prof

Chemistry

Kuehner, A. L , M.A. Qu., F.C.I.C. Prof.

McCubbin, J. W., M.Sc. Qu., Ph.D McG. Asst. Prof.

Classics

Preston, A. W., M.A. Edin. and Oxon. Prof.

Divinity, v *infra*

Education

Jefferis, J. D., M.A. McG., Ph.D. Tor. Prof.

English

Raymond, W. O., M.A., Ph.D. Mich., F.R.S.C. Prof.

Gray, J., M.A. Oxon. Lectr.

History

Masters, D. C., M.A. Tor., D.Phil. Oxon. Prof.

Mathematics

Richardson, A. V., M.A. Camb., D.C.L. Prof.

Modern Languages

Yarrill, E. H., M.A. Tor. Prof.

Philosophy and Economics

Childs, Rev. S., M.A. Tor , B.D. Prof.

Laskey, D. F. C , M.A. New Br. (Philos. and Psychol.) Lectr.

Michell, H., B.A. Oxon., M.A. Manit , F.R.S.C. (Econs.). Lectr.

Physics

Home, M. S., M.Sc. McG. Prof.

Divinity

Coleman, Rev. W. R., M.A., B.D. Tor., S.T.M. U.T.S., N.Y. Dean.

Hebrew and Old Testament

Moffat, Rev. Canon E. K., M.A. Manit., B.D. Lectr.

Pastoral Theology

Scott, Rev. E., M.A. Oxon. Mountain Prof.

GENERAL INFORMATION

The College, founded in 1843, was in 1853 by Royal Charter constituted a University with power to confer degrees. It is administered by a Corporation, whose members are appointed by the joint action of the Bishops of the Province of Quebec on the recommendation of a nominating Committee composed of the Chancellor, the Vice-Chancellor, and the President and Vice-President of Corporation.

The Coll. provides Ordinary courses for the degrees of B.A. and B.Sc. in Arts covering 3 years, Honours courses 4 yrs., and a 3-yr. course for the L.S.T. Divinity is a compulsory subject in each of the yrs. of the Ordinary course. The M A. is open to such graduates who complete a course of post-graduate study of at least 2 yrs. of which one must have been spent in residence at the Univ.

The Univ. conducts a Summer School for Teachers which lasts for 6 weeks.

FEES. For tuition, $200.00 p.a for an Arts student ; $150.00 for a Divinity student ; board and lodging with heating and lighting, $450.00 p.a.

PUBLICATION : *Calendar* (March).

THE YEAR 1948–49

HONORARY DEGREES. *D.C.L.*—Rt. Rev. R. Jefferson, the Lord Bishop of Ottawa ; Hon. Chief Justice Albert Sevigny of the Superior Court of Quebec ; L. Hunt ; E. J. Pratt, Prof. of English, Toronto Univ. ; Colonel A. A. Munster, Vice-President of the Corporation of Bishop's College.

STUDENTS. Total: 210; full-time: 210; pt.-time: 0; the total includes 36 women and 12 postgraduates.

DEGREES. M.A. (in Course), 3 ; B.A., 32 ; B.Sc., 18 ; L.S.T., 1

THE UNIVERSITY OF BRITISH COLUMBIA

VANCOUVER

Founded 1908

Telegraphic Address—UBRICO.

VISITOR—THE LIEUT.-GOVERNOR OF THE PROVINCE.

CHANCELLOR—The Hon. ERIC W. HAMBER, C.M.G., B.A., LL.D.

PRESIDENT—NORMAN A. M. MACKENZIE, C.M.G., M.M. and Bar, K C, B.A., LL.B. Dal., LL.M. Harv., LL.D. Mt. A., N. Br, Tor., Ott., Brist., D.C.L. Whitman, F.R.S.C.

DEANS—*Arts and Science*—S. N. F. CHANT, O.B.E., M.A.; *Applied Science*—J. N. FINLAYSON, M.Sc. McG., LL.D. Manit., D.Sc. Laval; *Agriculture*—B. EAGLES, Ph D. Tor., B.A.; *Law*—G. F. CURTIS, LL.B. Sask., B.A., B.C.L. Oxon.; *Graduate Studies*—H. F. ANGUS, B.A., LL.D. McG., B.C.L., M.A. Oxon., F.R.S.C.; *Pharmacy*—E. L. WOODS, B.S.P. Sask., M.Sc. Wisc.; *Medicine*—M. McD. WEAVER, A.B. Wheaton, M.S., Ph.D., M.D. Chic.; *Administrative and Inter-Faculty Affairs*—W. H. GAGE, M.A.; *Women*—M. DOROTHY MAWDSLEY, B.A. McG., Ph.D. Chic., M.A.

REGISTRAR—C B. WOOD, B.A. Tor., A.M. Columbia.

ASST. REGISTRAR—MYRTLE L. KIEVELL, B.A.

BURSAR—R. M. BAGSHAW.

LIBRARIAN—LESLIE W. DUNLAP, B.A. Oregon, A.M., B S., Ph.D. Col.

TEACHING STAFF

Agricultural Economics

Anderson, W. J., M.S.A. Sask.
Assoc. Prof. and Act. Hd. of Dept.

Agricultural Engineering

Young, J. R. W., B.S.A., M.Sc. Sask.
Hd. of Dept. and Assoc. Prof.
Leroux, F. C., B.E. Sask.
Assoc. Prof.
Coulthard, T. L., B.E. Sask.
Asst. Prof.

Agricultural Mechanics

Young, J. R. W., B.S.A., M.Sc. Sask.
Hd. of Dept. and Assoc. Prof.
Leroux, F. C., B.E. Sask.
Assoc. Prof.
Coulthard, T. L., B.E. Sask.
Asst. Prof.

Agronomy

Moe, G. G., B.S.A., M.Sc. McG., Ph.D. Cornell
Hd. of Dept. and Prof.
Laird, D. G., B.S.A. Tor., M.S., Ph.D. Wisc. (Soils)
Prof.

Brink, V. C., Ph.D. Wisc., 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.
Gillingham, J. T., M.Sc. McG., B.S.A. Lectr.

Animal Husbandry

King, H. M., B S.A Tor., M.S. Oregon State Coll. Hd. of Dept and Prof.
Wood, S. N., B.S A. Sask., D.V.M. Iowa State Coll. Prof.
Berry, J. C, Ph.D. Iowa State Coll., M S.A. Assoc. Prof.
Wood, A J, Ph D. Cornell, M.S.A. Assoc. Prof.

Architecture

Lasserre, F., B.Arch. Tor. Prof. and Hd. of Dept.
Porter, J. C. H., B.Arch. McG. Asst. Prof
Wisnicki, B. P., Dip. Eng. Poland Asst. Prof.
Davison, K. B., B.Arch. Manit. Asst. Prof.
Binning, B. C. Asst. Prof.
Kleege, G. H., B.F.A. Syr Asst Prof.
Oberlander, H. P., B.Arch. McG., M C.P. Harv. Asst. Prof.
Marsh, L. C., B.Sc. (Econ.) Lond., M.A., Ph.D. McG. Sp. Lectr.
Simpson, A. E. Pt.-time Lectr.

Bacteriology and Preventive Medicine

Dolman, C. E., M.B., B.S., Ph.D., D.P.H. Lond., F.R.S.C. Hd. of Dept. and Prof.
Duff, D. C. B., M.A., Ph.D. Tor. Prof.
Ranta, L. E., M.D., D.P.H. Tor. Assoc. Prof.
Chang, Helen, M.A. Instr.

Biology and Botany

Hutchinson, A. H., M A. McM., Ph.D. Chic., F.R.S C. Hd. of Dept. and Prof.
Dickson, Frank, B.A. Qu., Ph D. Corn. Prof.
Allardyce, J, Ph D. McG., M.A. Prof.
Taylor, T. M. C., Ph D. McG., B.A. Prof. and Curator of the Herbarium and Bot. Gardens.
Wort, D. J., M.Sc. Sask., Ph.D. Chic. Prof
Black, E., M.B.E, B.A. McM., Ph.D. Penn., M A. Assoc. Prof.
Buckland, D. C, M.F., Ph.D Yale, B.A. Assoc. Prof.
Pillsbury, R. W., M.A. Asst. Prof.
Grierson - Jackson, W, D F.C., A.F.C., M.S.A. Tor. Asst. Prof.
Brink, Mrs. Ruth F., A.M Calif, B.A. Lectr.
Davidson, J., F.L.S. Sp. Lectr.
Krajina, V., D.Sc. Charles, Prague Sp Lectr.
Allen, Maude, B.S.A., B.A Lectr.

Chemistry

Hooley, J. Gilbert, Ph.D. Mass. Inst. Tech., M.A. Prof. and Chairman of Dept
Harris, J. Allen, Ph.D. Ill., M.A. Prof.
White, E. V, B.A.Sc. Tor., M Sc., Ph.D. McG. Prof.
Holmes, R. H. L., M.Sc. Qu., A.M., Ph.D. Harv. Assoc. Prof.
Schemilt, L. M., B.A.Sc., Ph.D. Tor., M.Sc. Manit. Assoc. Prof.
Zbarsky, S. H., B.A. Sask., M.A., Ph.D. Tor. Assoc. Prof.
Kirsch, M., B.Sc., Ph.D. McG. Asst. Prof.

Bryce, W. A., M.A. Sask., Ph.D. McG , D Phil. Oxon.
Asst. Prof.
Daggett, H. M., B.Sc. Qu., Ph D. Brown Asst. Prof.
Scott, D. S., M Sc. Alta., Ph.D. Ill. Asst. Prof.
Dunnell, B. A , A.M., Ph D. Princeton, M.A Sc.
Asst Prof.
Harris, G., M.A. Lectr.
Hooley, Mrs. J. G , B A. Lectr.
Larkham, C. W., M.S. Idaho, S M Mass Inst Tech. Lectr
Dutton, G. G. S., M.A. Camb.
Instr.
Tully, J. P., B Sc. Man., Ph.D. Wash , F C.I.C. (Chem. Oceanog) Hon. Lectr.
Clark, R. H , M.A. Tor., Ph.D. Leipzig, F.R.S.C.
Hon Res. Prof.

Classics

Logan, H T , M C., B A. McG., M A. Oxon.
Hd. of Dept. and Prof.
Riddehough, G. B , M.A. Calif. and Br. Col. Assoc Prof.
Grant, L., A M. Harv., Ph.D. Tor., B.A. Assoc. Prof.
Guthrie, P C F., B A. Manit , M.A , Ph D Tor. Asst. Prof.

Commerce

McPhee, E. D., D.C.M., B.Ed., M.A. Edin.
Prof. and Hd. of Dept.
Bell, D. K., B.Com., M.A.
Assoc. Prof.
Mahoney, R. A., B.A. Manit., M.B.A. Harv. Assoc. Prof.
Moynes, J. M., B.A., B.Acc. Sask., M.B.A. Chicago Assoc. Prof.
Wong, L. G. J., B.Com., M.B.A. Calif. Asst. Prof.
Van Houten, C. W., B.Com.
Asst. Prof.
Markhart, L. M., B.B.A. Wash.
Asst. Prof.
Carlsen, A. E., Cand. Phil. Copenhagen Sp. Lectr.
Swallow, Mrs. Olga, B.A., B.Com.
Instr.
Gourlay, C. C., B.Com. Instr.
Field, F. Hon. Lectr.

Dairying

Eagles, B., Ph.D. Tor., B.A.
Dean of Fac., Hd. of Dept., and Prof.
Campbell, J. J. R., Ph.D. Cornell, B.S.A. Assoc. Prof.
Neilson, Nora, M.S.A. Asst. Prof.
Trussell, P., Ph.D. Wisc., B.S.A.
Sp. Lectr.
Volkoff, Mrs. Olga, M.S.A.
Sp. Lectr. (Session 1949–1950).

Economics, Polit. Sci. and Sociology

Angus, H. F., B.A., LL D. McG., B.C.L., M.A. Oxon., F.R.S.C.
Hd. of Dept., Prof. and Dean of Fac. of Graduate Studies.
Crumb, J. A., B.B.A. Wash , M.S , Ph.D. Calif.
Prof. and Actg. Hd. of Dept. (Session 1949–1950).
Drummond, G. F., M.A. St. And., M.Sc. (Econ.) Lond. Prof.
Topping, C. W., B.A. Qu., S.T.D. Wesley Theol. Coll., A.M., Ph.D. Col. (Sociol.)
Prof.
Hawthorn, H. B., M.Sc., B.A. N.Z., Ph.D. Yale
(Anthropol.) Prof.
Jamieson, S., M.A. McG., Ph.D. Calif., B.A. Assoc. Prof.
Ronimois, H. E., M.Sc. (Econ.) Tartu, Ph.D. Lond.
Assoc. Prof.
Clark, R. M., B.A., B.Com., A.M., Ph.D. Harv. Asst. Prof.
The President
(Govt.) Hon. Lectr.
Merritt, W. H., B.A. Tor. Lectr.

Rowat, D. C., B.A. Tor., M.A. Col. Lectr.
Borden, C. E., M.A., Ph.D. Calif. Lectr.

Education, v. also Philosophy
Cameron, Maxwell A., Ph.D. Tor., M A. Hd. of Dept and Prof.
McIntosh, J. R., B.A., M.Ed. Sask., Ph.D. Col. Prof. and Dir. of Summer School.
Argue, K. F., B.A. Alta., M.A. Oxon., D.Ed. Columbia Prof.
Pope, B., B.Sc., B.Ed. Manit. Asst. Prof.
Maclean, D. N., B.A , B.Ed. Lectr. (Session 1949–50).
Russell, R. C. M., B.A. Lectr. (Session 1949–50).
13 Pt.-time Lectrs

Engineering, Civil
Finlayson, J N , M.Sc. McG , LL.D. Manit , D.Sc. Laval. Dean of Fac., Hd. of Dept. and Prof.
Muir, J. F., B Sc. Manit Prof.
Finlay, A. H., M C , M S. in C.E Ill., B.A Sc Prof.
Hrennikoff, A., Sc.D. Mass. Inst. Tech., M.A Sc. Prof.
Lipson, S L., M.Sc. Cal. Inst. Tech., B.A.Sc. Prof.
Pretious, E. S., M.Sc. Iowa, B.A Sc. Prof.
Peebles, A., M Sc. Iowa State Coll., B A.Sc , B.A. Prof.
de Jong, S. D., M.Sc. Manit. Assoc. Prof.
Heslop, W. G., B.A.Sc Tor. Assoc Prof
Bell, H. R., B.A.Sc. Asst. Prof.

Instructors
Albertson, M. G., B.S. Swarthmore
Barlow, K., B.Eng. Liv.
Beley, J. P., B.A.Sc.
Cox, L., B.A.Sc.
Duguid, D. R., B.Sc. Edin.
Evans, J. R., B.Sc. Qu.
Lawson, M. B. M., B.Sc. Glas.
McLellan, R. N., B.A.Sc.
Mathews, S. T.
Phillips, W. J., B.A.Sc.
Scarisbrick, R G , B A Sc
Shumas, F., B A.Sc.
Stuckey, L. R , B A Sc
Alexander, J. B., M.Sc. New Br Pt -time Lectr.
Kania, J. E. A., Ph.D. Mass. Inst. Tech., M.A.Sc Pt.-time Lectr

Engineering, Mech and Elect.
MacLeod, H. J , O.B E., B.Sc. McG., M.Sc. Alta., A.M , Ph D. Harv , F A.I E.E Hd. of Dept. and Prof
Vernon, F. W., B.Sc. (Eng) Lond. (Aeronaut. E) Lectr. and (Mech. E.) Prof
Morgan, S. C., B Sc. Qu , M.Sc. Alta., M.S. Calif. I. Tech. (Elect. E.) Prof.
Richmond, W. O., M.S. Pittsb., B.A.Sc. (Mech. E.) Prof.
McIlroy, H. M., M.Sc. Qu. (Mech. E.) Prof.
Noakes, F., B.Sc. Alta., M.Sc., Ph.D. Iowa State Coll (Elect E.) Prof.
Coulthard, W. B., B Sc. Lond (Elect. E.) Assoc. Prof.
Thomson, D W., M.Sc. Ill., B A Sc. (Mech. E.) Assoc. Prof.
Wolfe, W., M.Sc. Case Sch. of Ap. Sc., B A.Sc. (Mech. E.) Assoc. Prof.
Kersey, L. R., B.A.Sc (Elect E.) Asst. Prof.
Pullinger, W. W., B.A.Sc. (Elect. E.) Asst. Prof.

Instructors
Armstrong, H. W. D., B.A.Sc.
Barton, E. S., B A.Sc.
Bruce, N. G., B.A.Sc.
Clement, B. D., B.A.Sc.
Doyle, J. P., B.A.Sc.

Johnson, W. J., B.A.Sc.
Moore, A., B.Sc. Qu.
Revill, J. K., B.E. Sask.
Roper, G., B.A.Sc.
Sandeın, J.
Savery, Mrs. Mary.
Steel, W. E. J., B.A.Sc.
Vajda, P.

3 Pt.-time Instrs.

English

Daniells, J. R., Ph.D Tor., B.A. Hd. of Dept. and Prof.
Wood, F. G. C., B.A. McG., A.M. Harv. Prof.
Larsen, T., M.A Tor., B.A Oxon., F.R.S C. Prof.
Mawdsley, M. Dorothy, B.A. McG , Ph.D. Chic., M.A. (Dean of Women) Prof.
Birney, A E , M.A , Ph.D Tor , B.A. Prof.
Morrison, E., A M., Ph.D. Cal., B.A. Prof.
Robbins, W., Ph.D. Tor., M.A. Prof.
Andrew, G. C., B.A. Dal., M.A. Oxon. Prof. and Asst. to Pres.
Lewis, H C , M.A. Assoc. Prof.
Blakey Smith, Mrs. Dorothy, M.A. Tor. and Br. Col., Ph.D. Lond. Assoc. Prof.
Creighton, J. H., M A. Tor. Assoc. Prof.
Read, S. E., M.A. McG. Assoc. Prof.
Watters, R. E., M.A. Tor., Ph.D. Wisc. Assoc. Prof.
Spaulding, J. G., A.B Pomona, Ph.D. Calif. Assoc. Prof.
Akrigg, G. P. V., Ph.D. Calif., M.A. Assoc. Prof.

Asst. Professors

Humphrey, Ruth, B.A. Mt. A., M.A. Oxon.
Cragg, R. C., B.A., Ph.D. Tor.
Steinberg, M. W., B.A. Qu.
Grant, J. D., M.A., Ph.D. Tor., B.A.
Baxter, Edna L., A.M. Wash., B.A.
Ferguson, B., B.A.
Somerset, Dorothy, A.B. Radcliffe.

Lecturers

Haines, A. R., D.F.C., B.A.
Lewis, Mrs. Stella, M.A.
Miller, C., M.A., B.Ed. Sask.
Smith, Mrs. Marion B., B A. Tor., Ph.D. Penn.
Robinson, F. W., B.A.
McKenzie, Edith, B.A. Sask.
McNiven, Katherine, B A Dal.
Conway, J. E., M.A. Tor.
Hatch, Mrs. J. A., M.A. McG.
Jones, P., M.A. Oxon.
Watson, Mrs. W. W., M.A.
Prizek, Mario H. D., B.A.
Stone, J. S., B.A.
Watson, W. W., Ph.D. Tor., B A. Spec. Lectr.

Forestry

Besley, L., B.S. Cornell, M.F. Yale Hd. of Dept. and Prof.
Knapp, F. M., B.S.F. Syracuse, M.S.F. Wash. Prof. and Dir. of Univ. Forest.
Allen, G. S., Ph D. Calif., M.A.Sc. Prof.
Griffith, B. G., M.F. Harv., Ph.D. Wash., M.A. Assoc. Prof.
Wellwood, R. W., Ph.D. Duke, B A.Sc. Assoc. Prof.
Johnson, W. L., B.Sc.F. New Br. Assoc. Prof.
Haines, H. C., B.Sc. Purdue, M.F. Duke Asst. Prof.
Ker, J. W., B.A.Sc. Asst. Prof.
Brown, R. M., B.Sc.F. Tor. (Forest Prod.) Hon. Lectr.
Schiedel, I. H., B.A.Sc. Res. Forester, Univ. Forest.

3 Pt.-time Lectrs.

French

Evans, D. O., M A., D.Phil., D.Litt. Oxon., D.Lett. Paris
Hd of Dept and Prof.

Andison, J. J , B.A. Manit., A.M., Ph.D. Col.
Visiting Prof. and Actg. Hd of Dept. (Session 1949–50)

Dallas, Dorothy, D.Lett. Paris, M A. Prof.

Hall, G. L , B.A. Camb. Asst. Prof.

Rolland, R , B A., L Litt Montr., D.Lett. Paris
Lectr. (Session 1949–50).

Brearley, Katherine, M.A.
Lectr. (Session 1949–50).

Burt, A. H., B.A.
Lectr. (Session 1949–50).

Walsh, A. F., M A.
Lectr (Session 1949–50).

Yih, Mrs. Shirley A., B.A. Maine, M A Middlebury
Lectr. (Session 1949–50).

Rush, Mrs. J. T., B A.
Pt.-time Lectr. (Session 1949–50).

Geology and Geography

Gunning, H. C., M.S., Ph.D. Mass. Inst. Tech., B.A.Sc., F.G.S.A., F.R.S.C.
Prof. and Hd. of Dept.

Warren, H. V., B.Sc., D.Phil. Oxon., B.A., B.A.Sc., F.G.S.A., F.R.S.C. Prof.

Okulitch, V. J., Ph.D. McG., M.A.Sc., F.G.S A., F.R.S.C. Prof.

Robinson, J. L., B.A. W. Ont., M.A. Syracuse, Ph.D. Clark.
Assoc. Prof.

Watson, K. DeP., Ph.D. Princet., B.A.Sc., F.G.S.A. Prof.

White, W. H., M.A.Sc., Ph.D. Tor.
Assoc. Prof.

Thomson, R. M., M.A.Sc., Ph.D. Tor. Asst. Prof.

Chapman, J. D., B.A. Oxon.
Asst. Prof.

North, F. K., M.A. Oxon.
Asst. Prof.

Mackay, J. R., B.A. Clark., M.A. Boston, Ph.D. Montr.
Asst. Prof.

Dolar-Mantuani, Mrs. L., Dipl. Ph., Ph.D. Ljubljana
Res. Fellow (Session 1949–50).

Delavault, R. E., D.U.P. Paris
Res. Fellow.

German

Hallamore, Joyce, Ph.D Munich, M.A.
Prof. and Chairman of Dept.

Borden, C E , M A., Ph.D. Calif
Assoc. Prof.

Cowie, M. A., M.A. Qu., Ph.D. Chic. Asst Prof.

Lourié, Mrs. Marianne, D Juris. Vienna, Dip. in Soc. Work
Asst. Prof.

MacInnes, Isabel, M.A. Qu., Ph.D. Calif. Sp. Lectr.

Miller, Margaret, B.A. Qu., A.M. Radcliffe Lectr.

Cowie, Mrs. Marian L., A.B. U.C.L.A., Ph.D Chicago Lectr

Taylor, Mrs. Pauline, M A. Instr.

Harris, Mrs. J., A.B. Smith, M.A.
Instr.

History

Sage, W. N., B.A., Ph.D. Tor., M.A. Oxon., F.R.Hist.S., F R.S.C.
Hd. of Dept. and Prof.

Soward, F. H., B.A. Tor., B.Litt. Oxon.
Director of International Studies and Prof.

Cooke, A. C., B.A. Manit., M.A. Oxon. Prof.

Tucker, G. E., B.A. West. Ont., Ph.D. Camb.

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
Lectr.

Home Economics

Black, Charlotte S., B.Sc. (H.Ec.) Manit., A.M. Columbia
Prof. and Hd. of Dept.

Morley, Nina H , M.A. Tor.
Assoc. Prof.

Rose, Carlene, B.Sc. Minn., M.Sc. Oreg. State Coll. Assoc. Prof.

Holder, Mary, B Sc. in H.Ec. Mt. A., M S. Mich. State
Assoc. Prof.

Little, Elizabeth D., B.H.Sc. Tor., M S Cornell Asst Prof.

Demchuk, Larisa I., B.Sc. (H.Ec.) Manit , M Sc. Montr.
Asst. Prof.

Kennedy, Frances, M.A. Tor.
Lectr.

Ross, Orene, J , B Sc. (H.Ec) Alta.
Instr

McEwen, Winnifred J., B.Sc. (H Ec.) Alta., M.A. Mich. State
Instr.

Forbes, Mary, B H.E.
Dietitian - in - Charge, Brock Hall

Heathfield, Mrs. Verna, B.Sc. (H.Ec.) Manit.
Dietitian-in-Charge, Fort Camp

Pearson, Yvonne, B Sc. (H.Ec.) Alta.
Dietitian-in-Charge, Fort Camp.

2 Pt.-time Lectrs.

Horticulture

Barss, A. F., A.B. Roch., B.S.Agr. Corn., M.S. Oreg. Ag. Coll., Ph.D. Chic.
Hd. of Dept. and Prof.

Harris, G. H., M.S. Oreg. State Coll., Ph.D. Calif., B.S.A.
Prof.

Buck, F. E., B.S.A. McG.
Hon. Prof.

Neill, J. W., M.C., B.S.A. Ont. Agr. Coll. Asst. Prof.

International Studies

Soward, F. H., B.A. Tor., B.Litt. Oxon., F.R.S.C. Director.

Davies, G. O. B., M.A. Camb.
Asst. Prof.

Ho, Ping-ti, B.A. Nat. Tsing Hua
Lectr.

Law

Curtis, G F., LL B. Sask., B.A., B.C.L. Oxon.
(Dean of Fac.) Prof.

MacIntyre, M. M., B.A. Mt. A., LL.M., S.J.D. Harv. Prof.

Kennedy, G. D., M.A., LL.B. Tor.
Assoc. Prof.

McAllister, G. A , B C.L , M.A. N Br., LL.M. Columbia
Assoc. Prof.

Read, F , LL.B. Manit. Assoc. Prof.

Westlake, J. R., B A., LL.B. Alta., LL.M. Tor Asst. Prof.

Lecturers

The President.

Carrothers, A. W. R., B.A., LL B.

Bird, J. I., B Com

Brown, D. McK., B Com

Coady, Mr. Justice J. M., B.A. St F. X.

Ladner, L. J., K C., B.A., LL B. Tor.

McFarlane, M. M., B A.

Remnant, S. J.

Sheppard, F. A., B A. Tor., LL.B. Sask.

Wilson, Mr. Justice J. O.

Watts, A., B.Com. Hon. Liaison Sec.

Mathematics

James, R. D., Ph.D. Chic., M.A., F.R.S.C.
Hd. of Dept. and Prof.

Gage, W. H., M.A.
Prof. and Dean of Admin. and Inter-Faculty Affairs.

Jennings, S. A., M.A., Ph.D. Tor.
Prof.

Murdoch, D. C , Ph.D. Tor., M.A.
Assoc. Prof.

Derry, D , B.A. Tor., Dr. Phil. Göttingen Assoc. Prof.
Goodspeed, F. M. C., B.Sc. Manit., Ph.D. Camb. Assoc Prof.
Barclay, May L., M.A. Asst. Prof.
Simons, W. H., M.A. Asst. Prof.
Moyls, B. J., M.A , Ph.D. Harv. Asst Prof.
Leimanis, E., Mag. Math. Riga, Dr. Rer. Nat. Hamburg Asst. Prof.
Nash, W , B.A. Puget Sound, M A Calif Asst. Prof.
Buchanan, D., M.A., LL D. McM , Ph.D. Chic., F.R.S.C. Sp. Lectr.

Lecturers

Beaumont, A., B.A. McM., M.A. Tor.
Wertheim, D. G., B.A. McM., M.A., Ph.D. Tor.
Yih, Chia-Shiin, M.S., Ph.D. Iowa.
Douthwaite, K., B Sc. Rand.
Sparling, G. W., B A.
Hull, T. E., M.A., Ph.D. Tor. Instr.

Mining and Metallurgy

Forward, F. A., B.A.Sc. Tor. Hd of Dept and 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.) Assoc. Prof.
Samis, C. S , M.Sc Manit., Ph.D. Lond. (Metall.) Assoc. Prof.
Hames, F. A., B.S. Montr., M.Sc. Qu. Asst. Prof.

Medicine

Weaver, M. McD., A.B. Wheaton, M.S., Ph.D., M.D. Chic. Dean of Fac.
Friedman, S. M., B.A., M.D., C.M., M.Sc., Ph.D. McG. Prof. and Hd. of Dept. of Anat.
Robertson, R. Rocke, B.Sc., M.D., C.M. McG., F.R.C.S., F.R.C.S. Can.

Music

Adaskin, H Prof.
Adams, Mrs. Jean C. Lectr.
Pentland, Barbara Instr.

Nursing and Health

Dolman, C. E. (v Bacteriol.) Hd. of Dept. and Prof.
Mallory, H. Evelyn, B.Sc. Columbia Assoc Prof.
Ranta, L. E., M.D., D.P.H. Tor. Assoc. Prof.
Morrison, Ruth, B.S. Minn. Asst Prof.
Capelle, Pauline, B A , B.A Sc. Asst. Prof.
Horwood, Lorna, B.A. Qu. Asst. Prof.
McCann, Elizabeth K., B.A., B.A.Sc. Instr.
Duncan, Margaret W., M.S. Chic., B.A., B A Sc. Instr.
8 Pt.-time Lectrs

Pharmacy

Woods, E. L., B.S.P Sask., M Sc. Wisc. Prof. and Dean of Fac.
Cox, R. H., Phm.B. Tor., B.S.P. Sask. Asst. Prof.
Morrison, F. A., B.S.P. Sask. Asst. Prof.
Halliday, J. E., B.S.P. Sask., M.S. Purdue Asst Prof.
Groves, G., B.Sc. (Pharm.), M.Sc. Alta. Asst. Prof.
Crawford, Mrs. Lucy A., B.S.P. Sask. Lectr.

Philosophy and Psychology

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., Ph.D. Harv. (Philos.) Prof. and Chairman of Dept.

McIntosh, J. R., B.A., M.Ed. Sask., Ph.D. Col.
(Educn. and Psychol.) Prof
Maslow, A. P, A B, A.M. Mich, Ph D. Calif Assoc Prof.
Belyea, E. S. W., M.A. Tor.
Assoc Prof.
MacKay, D. C G., B A Qu., Ph D. Stanford Assoc. Prof.
Signori, Edro, B.A. Alta., M A., Ph.D. Tor. Assoc Prof.
Pope, B., B Sc, B.Ed. Manit
Asst Prof
Macdonald, E, B A. Qu. Lectr.
Black, W. G., M.A., Ph.D Chic., B.A. Lectr.
Fleury, J. W. A., M.A. Lectr
Gibson, W. C., M.Sc. McG., Ph.D. Oxon, B.A. Lectr.
Hutton, G. H., M.D., D P.H. Tor.
Lectr.
Remnant, P., M.A. Lectr.
(Session 1949–50)
Sage, Miss F. M, B.A. Lectr.

Physical Education

Osborne, R. F., B.A., B.Ed.
Assoc. Prof. and Director of Phys. Ed. (men)
Henderson, Marian, B.A. Tor., A.M. Texas State Coll. for Women
Assoc. Prof. and Director of Phys. Ed. (women).
Whittle, H. D., B.P.H.E. Tor.
Asst. Prof.
Leeming, Marjorie B.A. Asst. Prof.
Pomfret, J., B.A. (Health and P.E.) Wash. Asst. Prof.
Laithwaite, A. B., Dip. in Phys. Ed.
Asst. Prof.
Carmichael, Jean, B.A. Qu., B.P.H.E. Tor., A.M. Col.
Instr.
Hobson, Mrs. Isabel, B.Sc. (Phys. Ed.) McG. Instr.
Brown, Mrs. May, B.Sc. (Phys. Ed.) McG. Instr.
Andersen, H., B.A. (Health and P.E.) Wash. Instr.
Penn, R., B.P.E. Instr.

Physics

Shrum, G. M., O.B E., M M, M.A, Ph D. Tor., F.R.S.C.
Prof. and Hd. of Dept.
Crooker, A. M., B A. McM., M A., Ph.D. Tor. Prof.
Mann, K. C., O.B.E., B A Sask, Ph.D. Tor. Prof.
Volkoff, G. M., M.B.E., Ph.D. Calif., M.A., F.R.S.C. Prof.
More, K. R., B A., Ph D. Calif.
Prof.
Warren, J. B., B Sc, Ph.D. Lond.
Assoc. Prof.
Pickard, G. L., B.A., Ph.D. Oxon.
Assoc. Prof.
Opechowski, W., Mag. Fil. Warsaw
Assoc Prof.
Clark, A. R, B A. Sask, Ph D. Tor. Assoc Prof
Dekker, A. J., B.Sc, Ph D. Amsterdam Assoc. Prof.
Koppe, H., Dipl. Ing. Danzig, Dr. Rer. Nat. Berlin Asst. Prof.
Blüh, O., Dr. Rer. Nat., D. Phys. Prague, F.I.P. Asst. Prof.
Eichholz, G. G., B.Sc., Ph.D. Leeds Asst. Prof.
Kaempffer, F. A., Dipl. Ing., Dr. Rer. Nat. Göttingen
Asst. Prof.
Brown, R. K., M.A. Lectr.
Hennings, A. E., M.A. Lake Forest Coll., Ill., Ph.D. Chic.
Lectr.
Bowers, F. K., B.A. Camb. Lectr.
Morrish, A. H., B.Sc. Manit., M.A. Tor., Ph.D. Chic. Lectr.
Scott., B. I. H., B.Sc. Tas. Lectr.
Clark, R. J., B.A. McG., Ph.D. Camb. Pt.-time Lectr.
Flack, F. C., B.Sc. Liv.
Res. Fellow.

Poultry Husbandry

Lloyd, E. A., B.S.A. Sask., M.S.A. Wash. State Coll.
Hd. of Dept and Prof.
Biely, J , M.S Kansas State Coll., M.S.A. Assoc. Prof.
March, Mrs. Beryl M., B.A. Instr.

Slavonic Studies

St. Clair-Sobell, J. O , M.A. Melb., Ph D. Graz
Prof. and Hd. of Dept.
Rose, W. J., B.A. Manit., M.A. Oxon., Ph.D. Cracow
Visiting Prof.
Ronimois, H E., M.Sc. (Econ.) Tartu, Ph D. Lond.
Assoc. Prof.
Wainman, A. W., M.A. Oxon.
Asst. Prof.
Ferrell, J., B.A Alab., M.A. Harv., Ph.D. Col. Asst. Prof.
Dolar-Mantuani, J., Ph.Dpl. Ljubljana (South Slavonic)
Pt -time Lectr.
Barbashoff, V. I.
(Russian) Pt.-time Lectr.
Halpert-Scanderberg, T.
Sp. Lectr.

Social Work

Smith, Marjorie J., A.B. Minn., A.M. Chic.
Hd. of Dept. and Prof.
Marsh, L. C., B.Sc.(Econ.) Lond., M.A , Ph.D. McG. Assoc. Prof.
Dixon, W. G., A.M. Chic., B.A.
Assoc. Prof.
Thomas, Elizabeth V., A.B. Wesleyan Coll., M.S. New Yk. Sch. of Soc. Work
Assoc. Prof.
Johnson, Margaret C., M.S.W. Wash., B.A. Asst. Prof.
Wolfe, Helen, B.A. Mich., M.A. Cinc. Asst. Prof.
Read, Mrs. R., B.A. Vassar, M.A. Chic. Asst. Prof.
Exner, Mrs. Helen, B.A. Varsa, M.S.S. Smith Lectr.

Instructors

Finlayson, Barbara, B.A., Dipl. in Soc. Wk. Tor.
Bishop, Mrs. Ailsa, M.S. Col., B.A.
Exner, T. L., B.A. Lewis and Clark.
Collins, Zella, Dip. Soc. Ser. Tor.
Field Work Instr.
Whiten, G. A. Field Work Instr.
6 Pt.-time Lectrs. and 5 Pt.-time Field Work Instrs.

Spanish

Brooke, C. V., B A. Qu , A.M., Ph D. Harv.
Chairman of Dept. and Assoc. Prof.
McSpadden, G. F , M A. New Mexico, Ph.D. Stanford
Assoc. Prof.
MacDonald, J. A., M.A.
Asst. Prof.
Davison, Mrs. E. Lectr.

Zoology

Clemens, W. A., M.A. Tor., Ph.D. Cornell, F.R.S.C.
Hd. of Dept. and Prof.
Spencer, G. J., B.S.A. Tor., M.S. Illinois Prof.
Cowan, I. McT., Ph.D. Calif., B.A., F.R.S.C. Prof.
Hoar, W. S., B.A. New Br., M.A. W. Ont., Ph.D. Boston (Zool. and Fisheries) Prof.
Adams, J. R., M.Sc., Ph D. McG.
Assoc. Prof.
Cameron, W. M., M.A.
(Oceanog.) Hon. Assoc. Prof.
Graham, K., M.Sc. McG., Ph.D. Tor., B.A. (Forest Entomol.)
Asst. Prof.
Larkin, P. A., M.A. Sask., D.Phil. Oxon. Asst. Prof.
Ford, P., B.Sc., Ph.D. Lond., F.L.S. Asst. Prof.
Carter, M. N., M.A.Sc., Ph.D. McG. Hon. Lectr.
Hatter, J., B.A. Instr.

University Extension

Shrum, G. M., O B.E., M.M , M.A., Ph.D. Tor., F.R.S.C. Director.
Boroughs, R. J., M.A. Asst. Dir.
Large, K. D. M., B.A., B.Com. Asst. Dir.
Somerset, Dorothy, A.B. Radcliffe (Dramatics) Asst. Prof.
Barton, N., M.A. (Visual Educn.) Supervisor.
Smith, Marjorie V., B.A. Sask. Supervisor Study Groups, Asst. Prof. of Agric.
Perrault, E. G., B A. Asst. to the Pres. and to the Dir. of U.E.
Cross, Eileen, B.Sc. in H.Ec. Manit. (Home Econ.) Supervisor.
Travis, Jean Handicrafts Instr. in Home Econ.
Robinson, C. (Art) Instr.

University Health Service

Murray, Stewart, M.D., D P.H. Tor. Univ. Health Officer.
Whittal, J. K., M.D. Ont., D.P.H. Tor. Medical Health Officer.
Cunningham, G. T Univ. rep. on Metropol. Health Cttee.

Public Health Nurses

Upshall, Muriel, B.A.Sc., Nursing Supervisor.
Worrall, Mrs. Jeanne E., B.A.Sc.
Ladner, Dorothy, B.A.Sc.
Clarke, Mary.

Counselling, Placement, Staff Personnel, Veterans' Services

McLean, Major J. F., D.S.O., B.A. Dir. of Student and Personnel Services.
Black, Capt. W. G., M.A., Ph.D. Chic., B.A. Counsellor.
Hayes, Fl.-Lt. H. O., M.A. Counsellor.

AFFILIATED COLLEGES

Victoria College, Victoria. Affiliated, 1920, for 1st and 2nd years in Arts. Principal—John M. Ewing, B.A. Qu., D.Pæd. Tor., Prof. of Philosophy and Psychology; Vice-Principal—J. A. Cunningham, B.A. Qu., Assoc. Prof. of Biology, Botany and Zoology; 6 Assoc. Profs., 8 Asst. Profs., 6 Instrs.

Union College of British Columbia, Vancouver (United Church of Canada). Principal—Rev. W. S. Taylor, M.A., B.D., Ph.D.; and The Anglican Theological College of British Columbia, Vancouver. Principal—Rev. K. E. Taylor, O.B.E., M.A. Oxon., B.D. Western. Both Colls. were affiliated in 1922.

GENERAL INFORMATION

The University of British Columbia was incorporated by an Act of 1908. For early history, *see Yearbook* for 1929. The University site consists of 548 acres on the headland of Point Grey, 300 feet above the sea. Here a group of buildings constructed at a cost of nearly $2,000,000 was opened in Oct. 1925.

The Board of Governors consists of the Chancellor, elected by Convocation, President, and 9 persons—3 elected by the Senate and 6 appointed by the Lieut.-Govr. in Council. The Senate consists of the Chancellor, President (as Chairman), Deans, and 2 Profs. of each Faculty, 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 education in general and, in particular, to serve its constituency through three channels—teaching, research, and extension work. It furnishes instruction in the various branches of a liberal education, and in those technical departments which are most directly related to the life and industries of the Province. The people of the Province are informed of the results of special work by the staff of the Univ. through the Department of University Extension.

The LIBRARY has 260,000 vols. and about 25,000 pamphlets, and regularly receives 900 periodicals. It is one of the three 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 B.C. Fungi. BOTANICAL GARDENS, Arboretum and Economic Section, 5 acres.

FACULTIES. Arts and Science (including Commerce), Applied Science (Agric., Civil, Elect, Mech., Forest, Geological, Metallurgical, Mining and Chemical Engineering, Engin. Physics, Chemistry, Nursing and Health), Agriculture (including Dairying and Horticulture), Law, Graduate Studies, Pharmacy, Medicine.

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 submitted to a physical examn. on entrance to the University.

DEGREE COURSES. B.A., B.H.E., B.P.E., 4 yrs. (3 from Senior Matricn.). B.Com., B.A.Sc. in Applied Science, 5 yrs. (4 from 1st yr. in Arts or Sr. matricn.). B.S.F. (Forestry), 5 yrs. B.Arch. (5 yrs. from Sr. matricn. or 1st-yr. Arts). B.S.A., 4 yrs. from Jr. matricn. Double courses, B.A. and B.S.A., 5 yrs., B.A. and B.A.Sc., B.A. and B.Com, B.A. and LL B., B.A. and B.H.E., B.A. and B.S.P., B.A. and B.P.E., 6 yrs. B.A. and B.Arch., 8 yrs. LL.B. 3 yrs. (from 2nd yr. in Arts and Sci.). B.S.P., 4 yrs. M.A., M.A.Sc., M.S.A., and B.S.W., 1 yr. postgraduate. M.S.W., B.Ed., 1-2 yrs. postgraduate work. Ph.D. (minimum, 3 yrs. postgraduate work).

OTHER COURSES. Short Courses in Agric. at the Univ. and elsewhere. 1-yr. course in Public Health for graduate nurses. Occupational Course of 1 yr. in Agriculture; Teacher Training Course. Evening Courses and Short Courses, with summer excursions, in Botany.

SUMMER SESSION. Teachers and others with full Matricn. standing may pursue Univ. courses and receive credit therefor towards the B.A. degree. Arrangements are made for the delivery of lectures by Profs. and teachers from other Univs.

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. The present activities of the Dept. include (*a*) Extension Lectures at various centres throughout the Province; (*b*) Evening Classes; (*c*) Discussion Groups; (*d*) Dramatics; (*e*) Agriculture; (*f*) Workshop in International Relations; (*g*) Short Courses carrying no acad. credit during both Winter and Summer Sessions; (*h*) Visual Instruction by means of (i) Lantern and Film Slide Service, (ii) Moving Picture Service; (*i*) Radio broadcasts; (*j*) Library assistance to those who wish to do system-

atic reading; (*k*) Art and Music Courses, thanks to facilities supplied by Carnegie Art Teaching Set and Carnegie Music Set; (*l*) Public Relations—items of interest to the public are prepared and released to the press; (*m*) Educational programme for British Columbia Fishermen.

FEES, inclusive for tuition, $205-$255 per session.

SCHOLARSHIPS AND FELLOWSHIPS FOR GRADUATES. University Scholp., $200; Anne Westbrook 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., ea. $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; two Cariboo Gold Quartz Mining Co. Ltd. Scholps., $100; Cominco Fellowship, $750; Lions Club Fellowship, $1200; Canadian Pulp and Paper, Western Branch, Fellowship, $1000; Shell Oil Fellowship for Research, $750 plus tuition fees; Canadian Industries Ltd. Fellowship for Research, $750.

RESIDENCE. Board and lodging in vicinity of the College from $45 upwards p.m. ACADIA CAMP, accommodation for about 80 women and 288 men. Terms, $40 p.m. FORT CAMP, accommodation for 350 men. Terms, $40 p.m.

HEALTH SERVICE FOR STUDENTS. 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.

UNIVERSITY BUREAU OF PERSONNEL SERVICES. Director—Major J. F. McLean, D.S.O., B.A.

PUBLICATIONS. *Requirements for Matriculation*; *Calendar* (April); Summer Session *Announcement of Courses.*

THE YEAR 1948–49

HONORARY DEGREES, May 1949. *LL.D.*—B. J. Matthews, Prof. of World Relations and of Practical Theol. at Union Coll., Vancouver. *D.Sc.*—W. H. Brittain, Dean of the Fac. of Agric., McGill, Vice-Principal of Macdonald Coll.; F. M. Clement, Dean of the Fac. of Agric., Brit. Col.; J. G. Taggart, Dep. Minister of Agric. of Govt. of Canada. Oct. 1949. *D.Sr.*—A. E. Richards, Principal Economist, Dom. Dept. of Agric. *LL.D.*—H. A. Thompson, Prof. of Archæol., Univ. of Toronto; F. C. Cronkite, Dean of Law, Univ. of Sask.; E. N. Griswold, Dean of Harvard Law School; V. C. MacDonald, Dean of the Law School and Weldon Memorial Prof. of Law, Dalhousie Univ.; D. Hughes Parry, first Dir. of the Inst. of Advanced Legal Studies, Univ. of London; C. A. Wright, Dean of the Fac. of Law, Univ. of Toronto.

STUDENTS. Total: 8810; full-time: 8810; pt.-time: 0; the total includes 1846 women and 696 postgraduates. In special courses included in full-time total: Directed Reading and Extra-Sessional, 270; Occup. (Agric.), 15; Public Health Nursing, 35; Teacher Training, 145; Social Work, 135. In other courses: Summer Session (1948), 1678; Botany, 12.

DEGREES. M.A., 56; B.A., 890; B.Com., 254; B.Ed., 55; M.A.Sc., 18; B.H.E., 54; B.A.Sc. (Eng.), 332; B.S.F., 42; B.A.Sc. (Nurs.), 18; B.S.W., 73; M.S.A., 8; M.S.W., 10; B.S.A., 143; B.S.P., 47; B.P.E., 31; LL.B., 105.

DALHOUSIE UNIVERSITY

HALIFAX, NOVA SCOTIA

Founded 1818

With which is affiliated King's College

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. and Acadia, LL.D. Mt. A., B.A.

REGISTRAR AND EXECUTIVE ASSISTANT TO THE PRESIDENT—H. L. SCAMMELL, M.D., C.M.

DIRECTOR, INSTITUTE OF PUBLIC AFFAIRS—C. F. FRASER, M.A., LL.M.

DIRECTOR, SCHOOL OF NURSING—E A. ELECTA MACLENNAN, A.M. Col., B.A.

BUSINESS MANAGER—D. H. MCNEILL, B.Sc.

WARDEN, SHIRREFF HALL—MARY C. MOWAT, B.Sc.

SUPERINTENDENT, PUBLIC HEALTH CLINIC—FLORENCE A. FRASER.

TEACHING STAFF

Anatomy

Mainland, D., M B., Ch.B., D.Sc. Edin., F.R.S.Ed., F.R.S.C. Campbell Prof.

Murray, I. M., M.D., C.M. Asst. Prof.

Nichols, Roberta Bond, B.A., M.D., C.M. Instr.

Graham, J. V., M.D., C M, F.A C.S. Demr.

Mainland, Ruth M. Tech. Asst.

Coady, B. K., B.A., M.D., C.M. (also Surgery) Demr.

Art, v. *Fine Arts*

Biblical Literature

Andrews, Elias, M.A., Ph.D. Drew, B.D. Pine Hill, B.A. Lectr.

Biochemistry, v. Fisheries, and v. Med. *infra*

Biology

*Bell, H. P., Ph.D. Tor., M.Sc. Campbell Prof.

*Hayes, F. R., Ph.D., D.Sc. Liv., M.Sc., F.L.S., F.R.M.S., F.R.S.C. Prof.

Pelluet, Dixie, M.A. Tor., M.A., Ph.D. Bryn Mawr Assoc. Prof.

Chemistry

*Coffin, C. C., M.Sc., Ph.D. McG., B.A., F.R.S.C. Shirreff Prof.

*Chute, W. J., B.Sc. Acadia, M.A., Ph.D. Tor. Prof.

Reilly, C. A., A.M., Ph.D. Harv., M.Sc. Asst. Prof.

Trost, W. R., B.Sc. Alta., Ph.D. McG. Asst. Prof.

Classics

*Griffin, A. K., M.A. Tor. and Oxon., Ph.D. Tor. Prof. (K.).

(K.) = King's College.

* Also member of Fac. of Grad. Studies.

Doull, J. A., M.A. Tor., B.A. Asst. Prof.
Morgan, M. O., B.A. Oxon., M.A. Asst Prof.
Berman, W., B.Com. McG. Asst. Prof

Commerce

Cumming, R. S., M.A. McG., B.A. Black 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. Prof. (K.).
Graham, J. F., B.A. Br. Col , A.M. Col. Asst. Prof.
Foohey, D. E., M.A. Sp. Lectr.

Education

Mowat, A. S., M.A., B.Ed. Edin. Prof.

Engineering

Theakston, H. R , B Sc. (Mining) N.S.T.C. Prof.
Bowes, W. H., B.E. N.S.T.C. Assoc. Prof.
Chisholm, A. F., B.E. N.S.T.C. Asst. Prof.

Engl. Lang. and Lit.

*Bennet, C. L., M.A. Camb., A.M. Harv. Munro Prof.
*Martin, J. B., M.A. Tor., Ph.D. Harv. Prof. (K.).
Lambertson, C. L., M.A. Alta., A.M. Harv Asst. Prof. (K.).
Bevan, A. R., B.A. Sask., M.A. Manit. Asst. Prof.

Fine Arts

Mackay, D. C. Sp. Lectr.

Fisheries

Beatty, S. A., M.A. Qu., Ph.D. McG. (Biochem.) Assoc. Prof.
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.

History

*Wilson, G. E., M.A. Qu., Ph.D. Harv. Dean, Arts and Sci. Munro Prof.
Walker, Rev. A. S., M.A. Leeds and Birm., B.Litt. Oxon., D.D. Qu., LL.D. Prof. (K.).
*Harvey, D. C., M.A. Oxon., B.A., LL.D., F.R.S C. (Can. Hist.) Lectr.

Law, v. *infra*

Mathematics

*Adshead, J. G., M.A. Camb. Prof.
*Walmsley, C , M A. Camb. Assoc. Prof.
MacLennan, I. A., B.Sc. Lond. Lectr. (K.).

Medicine and Surgery, v. *infra*

Modern Languages

Chavy, P., Ag. des L. Paris (French) Prof.
*Mercer, C. H., M.A., B.Com. Manc. (French and Spanish) Assoc. Prof.
Smith, H. D., Ph.D. Laval, M.A. (French) Assoc. Prof.
Richter, Johanna, M.A. Tor. (German) Lectr.
Chavy, Suzanne J. M.-L., L. ès L. Paris (French) Lectr.
Griffin, A. K., M.A. Tor. and Oxon., Ph.D. Tor. (Russian) Lectr. (K.).
Natan, A. E., Ph.D. Brussels (German) Sp. Lectr.

Music

Hamer, H., F.R.C.O. Lectr.

(K.) = King's College.
* Also member of Fac. of Grad. Studies.

Nursing

MacLennan, E. A. E, A.M. Col., B.A. Dir. of School.
Pennington, Marion C., B.A.Sc. Br. Col, A M. Col. Asst. Dir.

Philosophy

Stewart, H. L., M.A. Belf. and Oxon., Ph.D. Belf., F.R.S.C. Prof.

Physics

Vingoe, R. H., B.A. McM., M.A. Tor. Asst. Prof.
*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. Acadia, M.Sc. W. Ont., Ph.D. McG. Assoc. Prof.
Stephens-Newsham, L. G., B.A. Sask., Ph.D. McG. (also Physiology) Asst. Prof.
Blanchard, J. E., M.Sc. Tor., B.Sc. (Geophysics) Lectr.

Physiology

*Weld, C. B., M A. Br. Col., M.D. Tor. Prof.
Stephens-Newsham, L. G., B.A. Sask., Ph.D. McG. (also Physics) Asst. Research Prof.

Political Science

*Aitchison, J. H., B.A., B.Ed. Sask., B.Sc. Lond. Dennis Prof.

Psychology

*Page, F. H., M.A. Tor. Prof. (K.).
Thompson, Louise M., B.A. New Br., B.Ed. Edin., Ph.D. Yale Prof.
Laurence, Mary, M.A. Tor. Sp. Lectr.

Public Affairs

*Fraser, C F., LL.M Harv., M.A., LL.B. Prof and Dir. of Inst.

Law

Administrative Law, Bills and Notes, Legislation

Batt, H. G., LL.M. Lond., B.A., LL.B. Asst. Prof.

Contracts, Conflict of Laws (International Law), Equity I

Lederman, W. R., B.A., LL.B. Sask., B.C.L. Oxon. Prof.

Corporations

Robertson, G. B, LL.M. Harv, B.A., LL B. Lectr.

Equity II

Cooper, A. G., B A, B C.L Oxon., B.Com. Lectr.

Evidence

Doull, Hon. J., K C, B.A, LL B. Lectr.

History of English Law, Agency, Labour Law

Hendry, J. M., LL.M. Harv. and Mich., B.A., LL.B. Asst Prof

Insurance

Jones, F. H. M., M.C., B A., LL.B. Lectr.
Ritchie, R. A., K.C, B.A Oxon. and Dal. Lectr.

Legal Accounting

Berman, W., B.Com. McG. Lectr.

Mortgages

Coffin, T. H., K.C., B.A., LL.B. Lectr.

Procedure I and II

Hanway, J. A., K.C., LL.B. Lectr.

. (K.)=King's College.

* Also member of Fac. of Grad. Studies.

Rutledge, J. E., K.C., B.A., LL.B. Lectr.
Cragg, E F., B.A., LL.B. Demr.

Property I and II, Criminal Law, Wills

Feeney, T G., LL.B. Asst. Prof.

Taxation

Ilsley, Rt. Hon. P. C., K.C., B.A. Acad , LL.D. Lectr.

Torts

MacDonald, Hon V. C , K C , LL.D St F X and Br. Col , B.A., LL.B. Lectr.

Medicine

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

Bacteriology, v Pathology

Biochemistry

McCarter, J. A., M.A. Br. Col., Ph D Tor. Prof.
*Begg, R. W., M.Sc., M.D., C.M. Research Assoc. Prof.

Epidemiology

Stewart, C B , B Sc , M.D., C.M., M.P.H J. Hop. Eddy Prof.
Peabody, Jean A., B.A. New Br. Statis. Asst.

Eye, Ear, Nose, and Throat

Schwartz, H. W., M.D., C.M., F.A.C.S. Prof.
Stoddard, R. H., M.D., C.M., F.A.C.S. Assoc. Prof.
Doull, A. E., M.D , C.M. Asst. Prof.
Kirkpatrick, H. W., M.D., C.M. Asst. Prof.
MacRae, D. M., B.Sc., M.D., C.M. Asst. Prof.
Holland, L. G., B.A., M.D., C.M. Demr.

Gynæcology, v. Obst.

Histology and Embryology

Bean, R. J., M.S. N.H. Prof.
Mainland, D., M.B., Ch B., D.Sc., F.R.S.Ed., F R.S.C. (Structural Neurol) Prof.
Bean, Elizabeth S , B.A. Cinn , M.A., Ph.D. Wisc Instr.

Hospital Administration

Bethune, C. M., M.B E., B.Sc., M.D., C.M. Prof.

Materia Medica

Kinley, G. S. Lectr.
Cooke, J. Esmonde Demr
MacKnight, Jessie I. Demr.

Medical Jurisprudence and Toxicology

Murray, A E., B A., M D., C.M. Lectr.

Medicine and Clin. Medicine

Holland, C. W., B.A., M.D , C.M., F.R.C.P.Can Tory Prof.
Hoffman, M. M., B A. Mt. A., Ph D., M.D., C.M. McG., M.Sc Res. Prof.
Skinner, N., M D , C M. McG. Assoc. Prof.
Sieniewicz, T. M., M.D., C.M., F.R.C.P.Can. Assoc. Prof.
MacIntosh, J. W., M D., C M., F A.C P. Assoc. Prof
Marshall, C. S., M.D., C.M. (Neurol.) Assoc. Prof.
Reid, J. W., M.D., C M. Assoc. Prof.
Tonning, D. J., M.D., C.M. Asst. Prof.
MacDonald, R. M., B.S.A. McG., M.B., Ch.B. Edin., F.R.C.P. Can. Asst. Prof.
Steeves, L. C., B.A. Mt. A., M.D., C.M. McG., F.R.C.P.Can. Asst. Prof.
Scammell, H. L., M.D., C.M. Lectr.
Aikens, R. L., B.Sc., M.D , C.M., F.R.C.P.Can. Lectr.
Read, H. C., M.D., C.M. Lectr.
Morton, A. R. (also Prev. Med.) Demr.

* Also member of Fac. of Grad. Studies.

Campbell, A. B., M.D., C.M. Lectr.
Moya, F. J., B.Sc. Laval (Exper. Med.) Lectr.

Clinical Instructors

Gosse, Margaret, B.A., M.D., C.M. McG.
Black, G. A., M.D. W. Ont.

Demr. in Clin. Medicine

Dyer, W. J , B.Sc., M.D., C.M.

Obstetrics and Gynæcology

Atlee, H. B., M.C., M.D., C.M., F.R C S. Edin. and Can (Obstet. and Gyn) Prof.
Colwell, W. G , M D., C M. Assoc. Prof.
White, G. M , M D , C M. McG., F.A.C S , F.R C.S.Can. Assoc. Prof.
Grant, K. M., B.Sc., M.D., C.M. Lectr.
Macdonald, Jean, B.A., B.Sc., M D., C M. Demr.

Pathology, Bacteriology, and Parasitology

McLetchie, N. G. B., Ch.B., M.D. Glas. Prof.
Abbiss, J. W., M.B., Ch.B. Birm. Assoc. Prof.
Fodden, J. H., M.D. Leeds Assoc. Prof.
Reed, R. W., M.A. Qu., M.D., C.M. McG. Assoc. Prof.
MacKeen, R. A. H , M.D., C.M. McG. Assoc. Prof.
Harlow, C. M., B.Sc. Acadia, Ph.D., M D., C.M. McG. Asst. Prof.
Kitz, Alice, M.B., Ch.B. Aberd. Demr.
Sharp, W. L. Demr.
Simpson, D. M., M.Sc. Tor. Demr.

Pædiatrics

Wiswell, G. B., M.C., B.A., M.D., C.M., F.R.C.P.Can. Prof.
Carney, M. J., M.D., C.M. McG., F.R.C.P. Can., B.A. (also Clin. Med.) Prof.
Coward, N. B., M.D., C.M. Assoc. Prof.
Campbell, J. G. D., M.D., C.M Demr.
Fleming, Adelaide L., B.Sc., M.D., C.M. Lectr.
Ross, H. B., B.Sc., M.D., C.M. Lectr.
Rice, R. G., B.A., B.Sc. Acad., M.D., C.M. McG., M.P.H. Harv. Demr.

Pharmacology

*Aldous, J. G , M A. Br. Col., Ph.D. Tor. Prof.

Preventive Medicine

Grant, H. G., M.D., C M. Dean of Med., Prof.
Campbell, P S., M.D., C.M. McG. Asst. Prof.
Morton, A. R., M D., C.M., M.P.H. J. Hop. (also Med.) Asst. Prof.
Mackenzie, D. J., M.D., C.M , F.R.C.P.Can. Asst. Prof.
Beckwith, C. J. W., B.A., M.D., C.M., D.P.H. Tor. Asst. Prof.

Psychiatry

*Jones, R. O., B.Sc., M.D., C.M. Prof.
MacKay, R. W. M., M.D., C.M. Asst. Prof.
Dunsworth, F. A., M.D., C.M. Asst. Prof.
Hall, H. K., M.D., C.M. Asst. Prof.
Nicholson, J. F., B.Sc., M.D., C.M. Asst. Prof.
Leslie, W., M.D. Manit. Lectr.

Radiology

Johnston, S. R., M.D., C.M. Lectr.
Smith, R. L., M.D., C.M. McG. Lectr.

* Also member of Fac. of Grad. Studies.

Surgery and Clin. Surgery

Curry, W. A., M.D., C.M. McG., B.A., F.R.C.S. Prof.
Skinner, G. F., M.D., C.M. McG., F.R.C.S. Ed. and Can., F.A.C.S. Assoc. Prof.
Kinley, C E., M.D , C.M , F.A.C.S., F.R.C.S.Can. Assoc. Prof.
Mader, V. O., M.D., C.M. McG., F.R.C.S.Can. Assoc. Prof.
Gosse, N. H., M.D., C.M., F.A.C.S., F.R.S.C. Assoc. Prof.
Graham, J. V., M.D., C.M., F.A.C.S. Assoc. Prof.
Noble, J. A., O.B.E., B.A. Acad., M.B., Ch.B. Edin., F.R C.S. Ed. Asst. Prof.
Ross, E. F., O.B.E., B.Sc., M.D., C.M., F.A.C.S., F.R.C.S.Can. Asst. Prof.
Murphy, A. L , B.A., M D., C.M., F.A.C.S. Asst. Prof.
O'Brien, H. D., B.A., M.D., C.M., F.A.C.S. Asst. Prof.
Merritt, J. W., M.D., C.M., F.R.C.S.Can. Asst. Prof.
Acker, J. C., M.D., C.M. McG. Asst. Prof.
Acker, T. B., M.D., C.M. Asst. Prof.
Stevenson, W. D., M.D. Tor., F.R.C.S.Can. Asst. Prof.
Miller, B. F., B.A. St. F. X., M.D., C.M., F.R.C.S.Ed. (Orthopædics) Asst. Prof.
Pollett, W. E., B.A., M.D., C.M., F.R.C.S. Ed. and Can. Lectr.
Coady, B. K., B.A., M.D., C.M. (also Anatomy) Lectr.
Marshall, A. M., M.D., C.M., F.R.C.S.Ed. Instr.
Stoddard, C. C., M.D., C.M. Instr.
House, W. K., M.D. Manit., F.R.C.S.Ed. Demr.
Bethune, G. W., B.Sc. Acadia, M.D., C.M. Demr.
Charman, J. H., M.D., C.M. Demr.
Nonamaker, E. P., M.D., C.M., F.R.C.S.Can. Demr.

Urology and Dermatology

Mack, F. G., M.B. Tor., B.A., F.R.C.S.Can., F.A C.S Prof.
Gosse, C. L., B.Sc., M.D., C.M. Asst. Prof.
Dyer, W. J. (also Clin. Med.) Demr.
Reardon, C. H., M.D., C.M. Demr.
Woodbury, J. F. L., B.Sc., M.D., C.M. Demr.
MacGregor, I. H., B.Sc., M.D., C.M. Demr.
Plumer, R. F., M.D., C.M. Demr.
Howell, D. R. S. Demr.
Mack, F. G., M.D., C.M. Demr.

Medical Museums

Saunders, R. L. de C. H., M.B., Ch.B., M.D. Edin. Director.

Dentistry

Crown and Bridge Work, etc.

Chudleigh, G. A., D.D.S., B.C.D.S. Prof.
Dewis, G. M., D.D.S. Asst. Prof.
Merritt, J. E., D.D.S. Lectr.

D. Anatomy, etc.

McGuigan, J. P., D.D.S. Lectr.

D. History, Jurisprudence, Ethics, and Economics

Dewis, G. M., D.D.S. Lectr.
Bissett, F. W. M., B.A., LL.B. Lectr.
Crosby, H. S., D.D.S. Lectr.

D. Pathology and Therap.

Haverstock, A. B., D.D.S., B.Sc. (Dent.) Tor. Assoc. Prof.

Dentistry

Bagnall, J. S., D.D.S., F.D.S.R.C.S., F.I.C.D. Dean of Dent., Prof.

Exodontia

Croft, O. L., D.D.S. Tor. Prof.

Operative D.

Dobson, J. W., D.D.S. Prof.
Eaton, D. C., B Sc Acadia, D.D.S. Lectr.

Demrs. in Operative Infirmary

Archibald, L. J., D D.S.
Christie, P S., D D.S.
Crosby, H. S., D.D S.
Dewis, G. M , D.D S.
Eaton, D. C., B Sc. Acadia, D.D.S.
Pentz, D. G., D.D.S.

Oral Surg , Anæsth. and Physical Diagnosis

Croft, O. L., D.D.S. Prof.
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

Woodbury, W W , B.Sc., D D.S. P.D C. Prof.
Christie, P. S., D.D.S. Lectr.

Prosthetic D.

..... Asst. Prof.

Radiology

Eaton, H. M., D.D.S. Prof.

Pre-School Age Clinic

Goldberg, L. S., D.D.S. Demr.

Adult Clinic

Fennell, F. C., D.D.S. Demr.
Lubetsky, I. K., D.D.S. Demr.
Nutlay, A. G., M.D. Vienna and Rome, D D.S Demr.
Macneil, D. B., D.D.S. Demr.

Graduate Studies

(For other members of Fac., *see under* sep. subjects, *supra*).

Johnstone, J. H. L., O.B.E., Ph.D. Yale, M.Sc. (Physics) Dean of Fac. and Munro Prof.
Thompson, Louise M., B.A. New Br., B.Ed. Edin., Ph.D. Yale (Psychol.) Prof.
†Macdonald, A. D., Ph.D Mass. Inst. Tech., M.Sc. (Physics) Asst. Prof.
Marshall, Frances, M.A. Nebraska, Ph.D. Chic. (Psychol.) Asst Prof.
Dingle, J. R., A.M. Harv., Ph.D. Tor., M.Sc. (Chem.) Sp Lectr.

Physical Education

Vitalone, G., B.Sc. Fordham, M.Ed. Springfield Director for Men.
Evans, Betty, B.Sc.P.Ed. McG. Director for Women.

Public Health Clinic

Fraser, Florence A. Superintendent.

ASSOCIATED AND AFFILIATED INSTITUTIONS

UNIVERSITY OF KING'S COLLEGE, v. *infra*.

PINE HILL DIVINITY HALL, Halifax. Classes and examns. in Hebrew and in New Testament Greek 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, Rev. C. M. Nicholson, 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, G. D. Steel, M.A., LL.D.

MEMORIAL UNIVERSITY OF NEWFOUNDLAND, St. John's. Students who

† Also attached to Fac. of Arts and Sci.

have completed the regular course of Memorial University are admitted to the Arts and Science course without further examn., and may receive credit in classes of the 1st and 2nd yrs. Vice-Chancellor, A. G. Hatcher, M.A., LL.D.

HALIFAX CONSERVATORY OF MUSIC. Courses recognized for B.Mus. and Lic.Mus.

HALIFAX LADIES' COLLEGE. Students who have completed the regular course and received the Matriculation Diploma are admitted to the Arts or Science course without further examn. Principal, Miss M. B. Dauphinee, B.A.

MARITIME COLLEGE OF PHARMACY. Courses recognized as part of the qualifications for B.Sc. (Pharmacy). Acting Dean, J. D. Walsh.

FISHERIES RESEARCH BOARD OF CANADA. Classes in Fisheries recognized for M.Sc.

CONVENT OF THE SACRED HEART (Mother Superior, Rev. Mother C. Murphy) and MOUNT ST. VINCENT COLLEGE (President, Sister M. Rosaria). Recognized for Advanced Standing in 1st and 2nd yrs. in Arts, v. p. 656.

GENERAL INFORMATION

Dalhousie College, founded in 1818 by the Earl of Dalhousie, was in 1841 granted Univ. powers. For early history, *see Yearbook* for 1929.

Appointments to the Board of Governors are made by the Govr. in Council on the nomination of the Board.

DEANS OF FACULTIES. *Arts and Science*—A. S. Mowat, M.A., B.Ed. Edin. *Law*—H. E. Read, O.B.E., K.C., B.A., LL.M., S.J.D. *Medicine*—H. G. Grant, M D., C M. *Dentistry*—J. S. Bagnall, D.D.S., F.D.S.R.C.S., F.I.C.D. *Graduate Studies*—J. H. L. Johnstone, O.B.E., Ph D. Yale, M.Sc.

LIBRARIES. Arts and Science—81,909 books and bound periodicals; Medical and Dental—20,000 books and 3500 bound journals and pamphlets; Law—20,000 books and bound journals. MUSEUMS: Ornith., Zool., Medical. PUBLIC ARCHIVES OF NOVA SCOTIA, comprising MSS., newspapers, historical pictures, and research libraries. LABORATORIES: Physics, Chem, Geol., Biol., Engin., Anat, Biochem., Cancer, Physiol., Histol., Path., 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 Maritime Provinces and of Newfoundland 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.

FACULTIES. Arts and Science (including Commerce, Music, Pharmacy, Fisheries, Engineering, Education and Nursing); Law; Medicine; Dentistry; Graduate Studies.

MATRICULATION requirements are articulated to the High School system of the Province, which covers the last 3 years of the Public School 12-year 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. one must be French, German, or Spanish ; for B.Com. one must be French or 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. and D.D.S.—As for B.A. or B.Sc., and completion of the following ten Univ. classes : Engl. 1, Hist. 1 or 20, Maths. 1, Chem. 1, 2, 4, Physics 1, Biol. 1, Zool. 2, and an elective. German 3 or Philosophy 1 is recommended ; B.Sc. (Pharm.)—As for B.A. or B.Sc.

DEGREE COURSES. 4 yrs.—B.A., B.Sc., B.Com., B.Mus. ; 3 yrs., following certain Univ. classes (v. *supra*)—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 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., 2 yrs. ; Nursing, 1 yr.

Music and Pharmacy courses are taken in the Affiliated Institutions, v. *supra*.

FEES. Tuition : Arts or Science, $150 p.a. for 5 subjects (laboratory fees additional, $10-20 per subject) ; Commerce, for 5 subjects, $200 p.a. ; Law, $250 p.a. ; Medicine, $325 p.a. ; Dent., $315 p.a. including use of microscope and dental engine ; Dip. course in Engin., $200-$225 p.a. Other fees : Registration, $39 ; caution deposit, $2 ; lab. deposits when required, $20 maximum ; Students' Council, $16.

SCHOLARSHIPS FOR GRADUATES. $500 Resident Fellowship for Women ; Macgregor Fellowships in Physics ; Belle Crowe Fellowship in Inorganic Chemistry, Public Administration $350 and $250.

LOAN AND AID FUNDS for students have been instituted.

RESIDENCES. Hostel for 100 women students, erected at a cost of $400,000. Charges approx. $400.00. Residence for men, accommodating 60. Charges from approx. $400.00. Catering service for all male 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 provides adequate facilities for recreation and physical training.

All first-year students are required to take a course in physical training under supervision of Director of Univ. Gymnasium.

PUBLICATIONS. *Calendar* (May) ; *Annual Report* (Aug.) ; *Gazette* (Oct.-Mar.) ; *Dalhousie Review*, quarterly ; *Public Affairs*, quarterly. The following two bulletins are published monthly : *Industrial Relations* ; *Municipal Affairs*.

THE YEAR 1948–49

BENEFACTIONS. $17,529.00.

OTHER DEVELOPMENTS. Health Surveys in rural sections of Nova Scotia are being conducted by the Institute of Public Affairs.

EXTRA-MURAL WORK. Extension courses for municipal officers and representatives of industry, including personnel officers, and for members of trade unions, conducted by Institute of Public Affairs.

RESIGNATIONS. Prof. Germaine Lafeuille (Mod. Langs.); Prof. J. E. M. Hancock (Law); Prof. R. P. Smith (Pathol. and Bacteriol.).

DEATHS. Prof. G. H. Henderson (Math. Physics); Prof. A. M. Fraser (Pharmacol.); Dr. P. A. Macdonald (Obstet.).

HONORARY DEGREES. *LL.D.*—R. S. Aitken, Vice-Chancellor, Univ. of Otago, N.Z.; C. H. Best, Prof. and Hd. of Banting and Best Dept. of Med. Res., and Prof. and Hd. of Dept. of Physiol., Univ. of Toronto; S. M. Hossain, Vice-Chancellor, Univ. of Dacca, Pakistan; Sir Raymond Priestley, Vice-Chancellor, Univ. of Birmingham.

STUDENTS. Total: 1770; full-time: 1713; pt.-time: 57; the total includes 278 women and 62 postgraduates.

DEGREES AND DIPLOMAS. B.A., 75; M.A., 6; LL.B., 49; LL.D., 2; B.Sc., 77; M.Sc., 9; M.D., C.M., 43; D.D.S., 6; B.Com., 52; B.Mus., 2. Diplomas: Engineering, 55; Pharmacy, 24; Education, 12; Music, 6.

UNIVERSITY OF KING'S COLLEGE

HALIFAX, NOVA SCOTIA

Founded 1789, Royal Charter 1802

PATRON—THE ARCHBISHOP OF CANTERBURY.

VISITOR AND CHAIRMAN OF THE BOARD OF GOVERNORS—THE ARCHBISHOP 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. Queen's.

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, B D., 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), Owen Lectr; 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., M.A. 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., Asst. Prof. of Engl.; MacLennan, I. A., B.Sc. Lond., Lectr. in Maths.

Journalism (in association with the Univs. of Mount St. Vincent and St. Mary's Colleges)—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; Rankin, R. J., Director of Studies; Lectrs.: Doyle, F. W.; Vaughan, R.; O'Connell, B.; Zwerling, L.; Allen, Graham; Maura, Sister.

ADMINISTRATIVE OFFICERS

Treasurer and Bursar, Wm. Wood. Registrar and Dean of Residence, Rev. H. E. Dysart, B.A. Dean of Women, Mrs. Vera J. HacKenley.

GENERAL INFORMATION

Opened in 1789 at Windsor, N.S., the College was established with full University powers by Royal Charter in 1802. In Sept. 1923 the University removed to Halifax and became associated with Dalhousie University. The staffs in Arts of the two Univs. are combined in one faculty. The first-year lectures in certain courses are given independently to the students of Dalhousie and of King's; but with this exception students of both institutions follow on equal terms the same courses leading to the same degrees. King's holds in abeyance her degree-conferring power in Arts and Science, but retains complete control of her Divinity School as well as of her present endowments, administration of residences, etc. Under the terms of the agreement between Dalhousie and King's, the College was established in Halifax by means of public and other subscriptions and with the financial aid of the Carnegie Corporation. The new buildings, value $450,000, were opened for the session 1930–31. The Univ. is governed by a Board consisting of the Bishops of the dioceses of Nova Scotia and Fredericton, the President and the Treasurer of the Univ. *ex officio*, together with 10 members elected by the Alumni Assocn. and 8 elected by each of the diocesan Synods.

PUBLICATION. *Calendar* (May).

THE YEAR 1948–49

BENEFACTIONS. $8632.79.

STUDENTS. Full-time: 155, including 5 postgraduates and 37 women.

HONORARY DEGREES. *D.D.*—Rt. Rev. R. H. Waterman, Coadjutor Bishop of Nova Scotia. *D.Cn.L.*—Col. The Hon. Ray Lawson, Lt.-Governor of Ontario; R. V. Harris, Chancellor, Diocese of Nova Scotia.

DIPLOMAS. L.Th., 3; Journalism, 6.

LAVAL UNIVERSITY
QUEBEC

Founded 1852

ROYAL VISITOR AND CHANCELLOR APOSTOLIC—THE ROMAN CATHOLIC ARCHBISHOP OF QUEBEC, H.E. Mgr. MAURICE ROY, D.Th., D.Ph.

RECTOR MAGNIFICUS—Mgr. FERDINAND VANDRY, C.M.G., D.Th., L.Ph.

VICE-RECTOR AND SECRETARY GENERAL—Mgr. A. M. PARENT, D Ph Louvain, D.Th.

MODERATOR—JACQUES LESAGE, B.A.

ASSISTANT SECRETARY—JACQUES GARNEAU, L.Ph., L.Th.

TREASURER—MARCEL DÉRY, B.A.

LIBRARIANS—J. M. BLANCHET, B.A., B Ph ; ANTONIO DROLET, B A.

ARCHIVIST—ARTHUR MAHEUX, O.B.E., L. ès L. Paris, D.Th., M.A.

TEACHING STAFF

Accounting

Boulanger, M. — Instr.

Administration

Samson, M. — Prof.

Agriculture

Professors

Campagna, E., B.S.A., D.Sc.
Chevrette, J. E., B S.A., D.Sc. Cornell.
Diament, J., L.Ph., L.Sc.
Gagné, C., B.S.A., M.Sc. Cornell.
Jean, F. X., M.Sc. Cornell, L.Ph.
Pineau, M.-A., L.Sc., B.Sc.App., D.Sc. Montpellier.
St.-Pierre, M., B.S.A., D.Sc. Cornell.
Scott, A., M.S.A. Tor.

Assistant Professors

Alarie, A., B.S.A., D.Sc. McG.
Anctil, J.-A., B.Sc.App., L.Sc.
Bégin, P., B.S.A., M.Sc. Wisc.
Bernier, P.-E., B.S.A.
Berubé, L., B.A., B.S.A , I.D.
Bourque, L., B.S.A., M.Sc. McG., D.Sc. Cornell.
Cloutier, R., B Sc.App.
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. Cornell.
Gauthier, G., B.S.A., M.Sc. Cornell, 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., L.S.A., M.Sc. McG.
Proulx, M., B.S.A.
Sirois, A., B.S.A.

Instructors

Albert, O., B.S.A., D.Sc. Ames.
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.

Lachance, R. O., B.S.A., D.Sc. McG.
Perrault, C., B.S.A., M.Sc. McG., D.Sc.
Villeneuve, G., B.A., I.F., Ph.D. Yale.

Anatomy, v. Med.

Apologetics
Drouin, M., L.Ph., B.Th. Asst. 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 Instr.

Biology, v. also Med.
Tremblay, J.-L., B.Sc.App., D Sc., Dip. Biol. Strasbourg Prof.
Dolbec, R., L.Ph., L.Sc. Prof.
Bernard, R., B Sc.App , M.Sc., D.Ph. Cornell Prof.
Corriveault, G W., B.S A., M Sc Prof
Gagnon, A., L.Sc. Prof.
Labrie, J.-A., B.Sc.App., D.Sc. Asst. Prof.
Vandal, J. O , L S.A. Asst. Prof.
Filteau, G., B.Sc.App. Asst. Prof.
Gauthier, G., B.S.A., M.Sc. Cornell, D.Sc. Asst. Prof.
Pomerleau, R., B.S.A., M.Sc. McG., D.Sc. Asst. Prof.
Richard, A., I.F., M.Sc., D.Ph. Cornell Asst. Prof.
Bourbeau, G., B Pharm., L.Sc. Instr.
Brassard, A., D.Sc. Instr.
Duguay, J., A.G., I.F., M.Sc. Mich. Instr.
Desmarais, Y., L.Sc., Ph.D. Instr.

Botany
Gagnon, A., L.Sc. Prof.

Canadian Literature
Bégin, E., L. ès L. Prof.
Lacourcière, L., L. ès L. Prof.

Canon Law, v. *infra*

Cartography
Barrette, G., A.G., I.F. Asst. Prof.

Chemistry
Cloutier, L., B.Sc.App., D.Sc. Lille Prof.
Gagné, A., L.Sc. Prof.
Gagnon, P.-E., B.Sc.App., D.I.C. Lond., D.Sc. Paris, D.Ph. Prof.
Giguère, P.-A., B.Sc.App., D.Sc. Prof.
Gravel, L , B Sc.App., D.Sc Prof.
Ouellet, C , B.Sc.App., D.Sc. Zürich Prof.
L'Écuyer, P., B.Sc.App., B.Sc., D.Phil. Oxon. Prof.
Risi, J., D.Sc. Frib. Prof.
Amiot, L. P., B.Sc.App., D.Sc. Asst. Prof.
Ménard, J.-A., L.Sc. Asst. Prof.
Picard, S., B.A.Sc. Instr.
Nadeau, G., B.Sc.App., Ph.D. Instr.
Ouellet, L., B.Sc.App., Ph.D. Instr.
Deschênes, M., B.Sc.App. Asst.

Dentistry, v. Med.

Drawing (*Mechanical*)
Désy, J. R. A. Asst. Prof.
Blouin, J. Instr.
Parent, O. Instr.
Plamondon, M. Instr.
Paré, C. 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
Lussier, O., LL.L., Ing.For., D.Sc.For. Prof.

Bilodeau, C., LL.L. Asst. Prof.
Wilson, J. O., M.A., Dipl.For. Oxon. Asst. Prof.

Education

Éthier, W., D.Ph. Rome Prof.
Miville, R., B.A., L.Ph., L.Psych. Prof.
Tremblay, A., L Sc.Soc., M.A.Ed. Harv. Asst. Prof.
L'Archevêque, P., D.Péd. Asst. Prof.

Instructors

Audet, L.-P., B.Péd., L.Sc.
Babin, E., D.Ph. Notre-Dame.
Barbeau, M., L. ès L.
Bergeron, G.-A., M.D.
Bilodeau, C , LL.L.
Cantin, S , D Ph
Decœne, Canon A., D.Ph., D.Th. Louvain.
Deschamps, P., B.A., L.Péd.
Deshaies, H., B.Péd , B.Ph.
Lauzon, M , L.Th , L D.C , L Sc Soc.
Lebel, M., L. ès L., B.A. Oxon.
Lockquell, C., D Ph , B Péd.
Miller, J. C., M D
Gauthier, G , B.A., Ph.D.
Joly, R., L.Ph., M.A.

Elocution

Mordret, J., B.A. Paris Prof.

Engineering

Joncas, L., B.Sc.App., I.C., A.G. Prof.
Joncas, P., M.A., I.C., A.G., I.F., B.Sc.App. Prof.
Massé, A., A G., I.F. Prof.
Hamel, E., B Sc.App., I.C., A.G., M.Sc. Asst. Prof.

Engineering, Chemical

Cholette, A., B.Sc.App. McG., M.Sc., D.Ph. Mass. Inst. Tech. Prof.
Grenier, P., B.Sc.App., M.Sc. Asst. Prof.

Engineering, Electrical

Massé, L., B.Sc.App., D.Sc. Colorado Prof.
Sarault, G E , B.Sc App., I.E. McG. Prof.
Bricout, P., I.P. Paris, L.Sc.Math., D.Sc. Paris Prof.
Kœnig, H. P., D Sc Mass. Inst. Tech. Prof
Boulet, L., B S App , M.Sc. Asst. Prof.
Swift, L., B.Sc App., I.E. McG. Instr
Wermenlinger, D., B.Sc App. Instr.
Wildi, T., B Sc.App. Instr.
Vaillancourt, E. Asst

English

Abel, G., B.A. Prof
Falardeau, A., B A Asst. Prof
Robert, G., B.A., B.Th. Asst. Prof.
Mackey, W., M A. Asst. Prof.
Porter, E., A.G., I F. Asst. Prof

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. Instr.

Folklore

Lacourcière, L., L. ès L., B.A. Prof.
Savard, F. A., B.A. Prof.
Barbeau, M., LL.L., D ès L. Asst Prof.
Doyon, Madeleine, B.A. Instr.

Forestry

Bédard, A., M.A., I.F., M.F. Yale, D.Sc.For. Prof.
Bourget, M. A., A.G., I.F. Prof.
Guay, E , I.F. Prof.
Lussier, O., LL.L., I.F., D.Sc.For. Prof.
Rousseau, Z., A G , I F Prof.
Bernier, G.-H., A.G., I.F. Asst. Prof.
Pomerleau, R., B.S.A., M.Sc. McG., D.Sc. Asst. Prof.

Wilson, J. O., M.A., Dipl.For. Oxon. Asst. Prof.
Richard, A., I.F., M.Sc., D.Ph. Cornell Asst. Prof.
Barrette, G., B.Arp., I.F. Instr.
Deschamps, R., I.F., B.Arp. Instr.
Lamothe, G , B.Sc.App , I.C. Instr.
Linteau, A , M.Sc.For. Yale, I.F. Instr.
Matte, L , I.F., D.Sc. Duke Instr.

Forest Law

Richard, L. A., LL.D. Prof.

French Lang. and Lit., v. also Modern Langs.

Talbot, L , L. ès L., L.Th. Prof.
Bégin, E., L. ès L. (Fr. Lit.) Prof.
Lacourcière, L., L. ès L. (Fr. Lit.) Prof.
Lalıberté, M , L ès L Paris, M A (Fr. Lit) Prof.
Marcotte, A., L. ès L. Prof.
Auger, J. C., L ès L. Prof.
Potvin, P , L. ès L. Prof
Savard, F. A., B A. Prof.
Jobin, A., L.Th. Asst. Prof.
Fontaine, H., L.Ph., L. ès L. Asst. Prof.
Lapointe, Jeanne, L. ès L. Asst. Prof.
Garneau, B., L. ès L., L.Th. Asst. Prof.
Valin, R , L. ès L. Instr.
Bernier, J., L. ès L. Instr.
Thibault, A., M.A. Harv., L. ès L. Sorb. Instr.
Lemaître, H., D.Litt. Instr.

Geology and Mineralogy

Faessler, C., D.Sc. Frib. Prof.
Laverdière, J. W., D.Sc. Lille, M.A. Prof.
Dufresne, A.-O., M.Sc. McG. Prof.
Auger, P.-E., B.Sc.App., B.Sc. Qu., D.Sc. Mass. Inst. Tech. Asst. Prof.
Richard, A., I.F., M.Sc., D.Ph. Cornell Asst. Prof.
Béland, R., B.Sc. Qu., M.A., D.Ph Tor. Instr

Greek

Beaudry, E., B.A. Prof.
Lebel, M., B.A. Lond., L. ès L. Prof
Auger, J. C., L. ès L. Prof
Marcotte, A., L. ès L. Prof
Dumouchel, G., L. ès L., L.Th. Instr

Gregorian Chant, v. also Music and Theol.

Biron, F., B.A. Instr
Letarte, M , B.A. Instr
Brochu, L., B.A. Instr.
Fortier, E., B.A. Instr

History (General)

Maheux, A., L. ès L. Paris, M.A. D.Th. Prof.
Simard, A. Prof
Baillargeon, N., L Th. Asst. Prof
Demers, G. E., L.Ph. Asst. Prof
Bernier, J., L. ès L. Asst. Prof.
Dulong, G., L. ès L. Instr

History of Canada

Beaudry, E., B.A. Prof.
Trudel, M., D. ès L. Asst Prof.

Latin

Beaulieu, H. A., L. ès L. Prof.
Lechevalier, J., L. ès L , Ag. ès L. Paris Prof.
Garneau, B., L. ès L., L.Th. Asst. Prof
Gravel, L.-P., B.A. Asst. Prof.
Lamarre, P. H., L. ès L. Asst. Prof.
Laberge, P.-A., L. ès L. Instr.

Law, v. *infra*

Legislation

Lemieux, A., LL.L. Prof.

Mathematics

Barrette, G., B.A. Prof.
Benoît, G., B.A. Prof.
Boutin, F., I.F., A.G. Prof.

Hamel, E., B.Sc.App., I C., A.G., M.Sc. Prof.
Larue, A., L.Sc. Prof.
Pouliot, A., M.A., B Sc App., I.C., L.Sc. Paris, LL D. Prof.
Royer, M., B.Sc.App , I.C., B.Sc. , Mass Inst Tech. Prof.
Savary, R , A.G , I C. Prof.
Carrier, L., B A. Prof.
Fillion, E., B A. Prof.
Matte, A., B Sc. App Prof
Gosselin, R., I F., M A., D.Ph Harv. Asst. Prof
Laliberté, L , B.A. Asst. Prof.
Massé, L., B.Sc.App., D.Sc. Colorado Asst. Prof.
Porter, E., A G., I.F. Asst. Prof.
Dupré, A., M.A., M.Sc. Montr. Asst. Prof.
de Vogelaere, R., I.C., D.Sc. Louvain Instr.
Drolet, J.-P., B.Sc.App. Instr.
Matte, L., I.F., D.Sc. Duke Instr.

Medicine, v. *infra*

Meteorology

Bellefeuille, R., B.Arp , I.F., L.Sc. Asst. Prof.

Mining and Metallurgy

Letendre, G., B Eng McG., Ph D Lond. Prof.
Archambault, M., I.C Prof
Dufresne, A. O., M.Sc. McG. Prof.
Royer, M., B.Sc.App , I.C. Montr., B.Sc. Mass Inst. Tech. Prof.
Waddington, G. W., B.Sc.App Br. Col. Prof.
Walsh, B. J., B.Sc. Qu. Prof.
Garneau, J. B., F.C.I.C. Asst. Prof.
Potvin, R., B.Sc.App., I.C. Montr., B.Sc. Mass. Inst. Tech. Prof.
Jones, I. W., B.Sc.App. Alta., D.Ph. Tor. Instr.
Larochelle, E., B.Sc.App., I.C. Instr.

Modern Languages

Belleau, J., LL.L. Prof.
Lacerte, Mrs J., D. ès L. Madrid Prof.

Music

Gagnon, H. Prof
Talbot, R., Mus.D. Prof.
Tardif, A., B.A. Prof.
Destroismaisons, L., B.A. Prof.
Letourneau, O. Prof.
Lapointe, P.-C , B.Mus. Prof.
Vallières, H. Prof.
Roy, A , B.A. Prof.

Asst Professors

Vézina, R.
Bélanger, E.
Larochelle, E.
Letarte, M., B.A.
Pouliot, O.
Turgeon, J , B.A.

Instructors

Beaudet, J , B.A.
Brassard, F.-J.
Bussières, J.-M.
Cayouette, M.
Darisse, G., B.M.
Fortier, E.
Letourneau, P.

Philosophy

Grenier, H., D Th., D Ph., D D.C. Rome Prof.
Gosselin, P. E., L.Ph. Prof.
de Koninck, C., D.Ph. Louvain Prof.
Parent, A -M., D.Phil. Louvain, D.Ph. Prof.
Gaudron, E., D.Ph. Louvain Prof.
Cantin, S., D.Ph. Prof.
Robert, P., M.A., D.Ph. Prof.

Asst. 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.

Instructors

Parent, J.-M., D.Th. Paris.
Roy, Y., L.Th., L.Ph.
Larue, A., L Sc.
Tremblay, J.-L., D Sc.
Vachon, L.-A , L Ph., L.Th.
Blanchet, L E., L Ph , L.Th

Phonetics

Lacerte, Mrs. J., D. ès L. Madrid Asst. Prof.
Doyon, Madeleine, B.A. Instr.

Physics

Benoit, R., L.Ph., L.Th., L.D.C Prof

Asst. Profs.

Joncas, L., B.Sc.App., I C., A.G.
Kœnig, H. P., D.Sc. Mass. Inst. Tech.
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.

Instructors

Huot, G. L , B.Sc. App., M.Sc.
Fremont, C , B.Sc.App , M Sc.
Kerwin, L , B Sc. App., D.Sc

Physiology, v. *Med.*

Religion

Genest, Canon O , M.A. Prof.
Rochette, R., B.A. Prof.
Foy, C., D.Th. Instr.

Social and Political Econ.

Grégoire, J. E., LL.D., L.Sc. Econ. et Soc., L.Sc. pol. et dip. Louv. Prof.
Bilodeau, C., Dip. Ec. Pol. Sci. Oxon., LL.L. Instr.

Social Sciences

Lévesque, G. H., L.Th., Dip. Sc. soc. pol. Lille (Econ.) Prof.
Guimont, P. H., L.Sc Com., M.A. Harv. (Econ. and Finance) Prof.
Lebel, P., LL.L. (Econ.) Prof.
Leblond, W., M.D. (Hyg.). Prof.
Poulin, G., D.Sc.Soc. Paris (Sociol.) Prof.
Bussière, E., L.Sc.Soc. (Econ. and Educn.) Prof.
Martin, J. M., L.S.A. Montr., M.S.A. Cornell Prof.
Dion, G., L.Th., L.Ph., L.Sc.Soc. Prof.
Lamontagne, M., L.Sc.Soc., M A. Harv. (Econ.).
Falardeau, J. C., L.Sc.Soc., L.Ph. (Sociol and Soc. Res.).
Marier, R., LL.L., L.Sc.Soc., M.Sc. Washington (Soc. Work.).
Tremblay, M., L.Sc Soc., M.A. Harv. (Sociol.).
Tremblay, G., L.Ph.

Asst. 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.
Bélanger, G., L.Th., L.Sc.Soc. Washington.
Faucher, A., L.Sc Soc., M.A. Tor.

Instructors

Beaulieu, M. L., LL.D., Ph.L.
Hecker, F., LL.L.
Pigeon, L. P , LL.L.
Fortier, de la Broquerie, M.D.
Laliberté, M. P., B.A.
Morisset, Thérèse.
Paré, Simone, B.Sc.Soc., Dipl. Serv.Soc.
Simard, A., M.D.
St.-Martin, Marcelle, B.A., Dipl. Serv.Soc.
Poznanski, T., D.Sc. Berne.

Surveying

Joncas, P., M.A., I.C., I.F., B.Sc.App. Prof.
Joncas, L., B.Sc.App., I.C., A.G. Asst. Prof.

Guay, F., A.G., I.F. Instr.

Zoology

Dolbec, R., L.Sc., L Ph. Prof.

Commerce

Boulet, A., L.Sc Com (Accty.).
Irénée, Br., B Sc (Accty.).
Léopold, Br., L.Sc Com. (Accty. and Maths).
Siméon, Br., L Sc.Com. (Accty. and Maths.).
White, G., B.Sc.Com. (Accty.).
Belisle, L. A. (Admin., Fin., and French).
Bruneau, P., L.Sc.Com. (Admin.).
Genest, A. (Admin).
Godbout, M., B.Sc.Com. (Admin.).
Godbout, G., L.Sc.Com. (Admin.).
Hudon, R., B.Sc.App., D.Sc. (Admin.).
Laurent, E., LL.L., L.Ph. (Admin.).
Roland, Fr., B.Sc.Com. (Admin.).
Brouillet, P., L Sc.Com. (Co-operation).
Cloutier, J. B., L.S.A. (Co-operation).
Descôteaux, L., B.S.A. (Co-operation).
Vaillancourt, Hon. C., D S.A. (Co-operation).
Audet, P., B.A. (Econ.).
Bertrand, D., B.Sc.Com (Econ.).
Bruchési, J., LL.L., Dipl.Sc.Pol. Paris (Econ.).
Cantin, M. (Econ.).
Derenne, J., L.Sc.Com. Louvain (Econ.).
Guimont, P.-H., L.Sc.Com., M.A. Harv. (Econ. and Fin).
Hubert, Fr., B.Péd., M.A. Mich., M.Sc. (Econ.).
Lebel, P., LL.L. (Econ. and Law).
Maheux, A., L. ès L. Paris, M.A., D.Th. (Econ.).
Rondeau, M., B.Sc.Com. (Econ.).
Kirouak, T. U., B.A. (English).
McBriarty, W. J., M.A. (English).
Breton, R., L.Sc.Com. (Fin.).
Clément, H. (Fin.).
Guimont, J. P., B.Sc.Com. (Fin.).
Gosselin, P. E., L ès L., L.Ph., M.A. (French).
Potvin, P., L. ès L., L.Ph. (French).
Beaulieu, M. L., LL.D., L.Ph (Law).
Grenier, J., LL.L. (Law).
Hudon, G., LL.L. (Law).
Leclerc, C. E., LL.L. (Law).
Morin, W., LL L. (Law).
Routhier, A., LL D (Law).
White, G., B Sc Com. (Law).
Alfred, Fr., L.Sc Com. (Maths.).
Hodgson, J J., B A (Maths.).
Bilodeau, C., LL.L. (Philos and Sociol.).
Cantin, S., D.Ph (Philos. and Sociol.).
Dion, G., L.Th., L.Ph., L.Sc.Soc. (Philos. and Sociol).
East, S. P., L.Ph. (Philos. and Sociol.).
Dumais, R., L.Sc. (Sci.).
Hébert, C., B.Sc.App. (Sci.).
Vallières, G , B.Sc.App. (Sci.).
Lacerte, Mrs. J., D. ès L. Madrid (Span.).
Ouellet, R., L.Sc.Com. (Span).

Law

v. also Accounting

Admin. and Const. Law

Duval, A., LL.L. Prof.
Pigeon, L.-P., LL.L. Prof.

Bibliography

Lortie, L., LL.L. Instr.

Civil Law

Gagné, J. A., LL.D. Prof.
Hudon, G., LL.L. Prof.
Turgeon, J., LL.L. Asst Prof.
Gagné, M., LL.L. Instr.

Commerc. and Marit. Law

Bouffard, P.-H., LL.L. Prof.
Gravel, J.-P.-A., LL.D. Prof.
St.-Laurent, Rt. Hon. L., LL.D. Prof.

Company Law
Taschereau, A , LL.L. Asst. Prof.

Criminal Law
Lacroix, G., L.Ph., LL.L. Prof.

History of Law
Pelland, Léo, LL L , L Ph. (and Introduction) Prof.

International Law
Langlais, A., LL D. Prof.

Municipal and Educational Law
Gagnon, Hon. O , LL D. Prof.
Prevost, Y., LL.L. Instr.

Parish Law
Giroux, G.-M., LL.D. Prof.

Procedure, Civil
Moraud, Lucien, LL.L. Prof.
Choquette, F , LL L. Prof.
Rivard, A., LL.L. Prof.
Turgeon, H , LL.L. Prof.
Alleyn, R , LL L. Asst. Prof.
Labréfue, A , LL.L. Asst. Prof.

Roman Law
Routhier, A., LL.D. Prof.
Bonenfant, J. C., B.A., LL.L. Instr.

Taxation Law
Letourneau, R , LL.L. Asst Prof.

Medicine

Adaptation
Dugal, L. P., L.Sc., D.Ph. Penn. Prof.
Desmarais, A., D.Sc. Asst.
Fortier, G., L.Th., L.Ph., D.Sc. Asst.
Thérien, M., D.Sc. Asst.

Anæsthesia
Hudon, F., M.D. Prof.
Bélanger, L. E , M.D. Asst.
Jacques, A., M.D. Asst.
Paquet, Adrien, M.D. Asst.
Paradis, B., M.D. Asst.

Anatomy
Jobin, P., M.D. Prof.
Lemieux, J.-M., M.D. Asst. Prof.
Caron, W., M.D. Asst.
Michaud, J. T., M.D. Asst.
Turcot, J., M.D. Asst.
Larochelle, J.-L., M.D. Asst.
Mercier, A., M.D. Asst.
Royer, L., M.D. Asst.
Dupuis, P., M.D. Asst.

Bacteriology
Morin, J. E., M.D. Prof.

Biochemistry
Gingras, Rosaire, M D. Prof.
Gaudry, R., D.Sc. Asst. Prof.
Pagé, E., L S.A., D.Ph. Cornell Asst. Prof.

Biology
Giroux, M , M D. Prof.
Potvin, A. R , M.D. Prof.

Chemistry
Marcoux, H., M D. Prof.
Gaudry, R., D.Sc. Asst. Prof.

Demography
Parrot, P., M.D. Instr.

Dentistry
Déry, A., D Dent. Asst. Prof.
Hamel, J., D.Dent. Asst. Prof.
Hamel, P., D.Dent. Asst. Prof.
Langlois, R., D.Dent. Asst. Prof.

Deontology and Medical Econ.
Gauthier, C A., M.D. Prof.

Dermatology
Gaumond, E., M.D. Prof.
Grandbois, J., M.D. Asst

Dietetics
Nadeau, H., M.D. Prof.

Electrotherapy
Perron, E., M.D. Prof.
Gosselin, J., M.D. Asst. Prof.
Payeur, L.-R., M.D. Asst. Prof.
Samson, M., M.D. Asst. Prof

Endocrinology
Martel, A., M.D. Prof.

Gynæcology

Gagnon, F., M.D. Prof.
Garant, O., M.D. Prof.
Simard, R., M D. Prof.
de St.-Victor, J., M.D. Asst. Prof

Hygiene

Couillard, E., M D., D.H P. Prof.
Grégoire, J., M D., D.H P. J. Hop. Prof.
Miller, J. C., M.D. Asst Prof
Foley, A. R., M D., D.H.P. J. Hop Instr.
Gilbert, J., M D., D.H.P. Tor Instr.
Lafrenière, T.-J., M.Sc.App. Mass. Inst. Tech Instr.
Sylvestre, J. E , M.D , D H.P. Tor. Instr.
Tourangeau, F. J., M.D., D.H.P. Tor. Instr.

Legal Medicine

Desrochers, G , M.D. Prof.
Martin, C. A., M.D. Asst. Prof.

Materia Medica

Lessard, R., M.D. Prof.

Medical Ethics

Audet, L., D.Th. Instr.

Medical History

Leblond, S., M.D. Prof.

Medicine, Clinical

Caron, S., M.D. Prof.
Desmeules, R., M.D. Prof.
Desrochers, G., M.D. Prof.
Jobin, J.-B., M.D. Prof.
Leblond, S., M.D. Prof.
Lemieux, R., M.D. Prof.
Lessard, R., M.D. Prof.
Nadeau, H., M.D. Prof.
Paquet, B., M.D. Prof.
Drouin, G., M.D. Asst. Prof.
Dugal, J. P., M.D. Asst. Prof.
Larochelle, L. N., M.D. Asst. Prof.
Martel, A., M.D. Asst. Prof.
Racine, G., M.D. Asst. Prof.
Rousseau, L., M.D. Asst. Prof.
Larue, G. H., M.D. Asst.
Patry, L., M.D. Asst.
Richard, P , M.D. Instr.

Mental and Nervous Diseases

Caron, S., M.D. Prof.
Desrochers, G., M.D. Prof.
Larue, L , M D. Prof.
Miller, J. C , M.D. Asst. Prof.
Painchaud, C. A., M.D. Asst.
Pelletier, A , M.D. Asst.

Nutrition

Page, E., D Sc. Asst Prof.
Babineau, L -M., B.Sc.App. Asst.

Ophthalmology

Pichette, H., M.D. Prof
Lacerte, 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.

Oto-Rhino-Laryngology

Larochelle, P , M.D. Asst Prof.
Pelletier, E., M D Asst Prof.
Hallé, J., M.D. Asst.
Letarte, F., M D Instr.

Pathology, General

Auger, C., M.D. Prof.

Pathology, Medical

Fortier, E., M.D. Prof.
Paquet, B., M.D. Prof.
Drouin, G., M.D. Asst. Prof.
Larochelle, L. N , M.D. Asst. Prof.
Rousseau, L., M.D. Asst. Prof.

Pathology, Surgical

Trempe, F., M.D. Prof.
Simard, A., M.D. Asst. Prof.

Pædiatrics

Langlois, M., M.D. Prof.
Lapointe, D., M.D. Prof.
Fortier, de la Broquerie, M.D. Prof.
Dechêne, Euclide, M.D. Asst. Prof.

Pharmacy

Marquis, A., B.Pharm. Prof.
Demers, U., D.Pharm. Prof.
Cliche, E., D.Pharm. Paris Prof.
Bourbeau, G., L.Sc., B.Pharm. Instr.

Phthisiology

Desmeules, R., M.D. Prof.

Physiology

Blanchet, R., M.D. Prof.
Bergeron, G. A., M D. Asst. Prof.

Physiotherapy

Gaumond, E., M D. Prof
Perron, E., M.D. Prof
Gosselin, J , M D Asst Prof.
Payeur, L -R , M D Asst. Prof
Samson, M., M.D. Asst. Prof.

Radiology

Perron, J. E , M.D. Prof.
Potvin, A. R., M D. Prof.
Gosselin, J., M.D. Asst. Prof.
Payeur, L.-R , M.D. Asst. Prof.
Lessard, R., M.D Asst.

Surgery, Clinical

Petitclerc, J.-L., M.D. Prof.
Roy, F., M.D. Prof.
Trempe, F., M.D. Prof.
Vézina, C., M.D. Prof.
Auger, G., M.D. Asst Prof.
Lavergne, N., M D. Asst. Prof.
Lemieux, J. M., M.D. Asst. Prof.
Roger, J. P., M.D. Asst. Prof.
Simard, A., M.D. Asst. Prof.
Samson, E., M.D. Asst. Prof.
Turcot, J., M.D. Asst. Prof.
Caron, W., M.D. Asst. Prof.
Gagnon, G., M.D Asst.
Giguère, A., M.D. Asst.
Lavoie, J., M.D. Asst.
Leclerc, L. P., M.D. Asst.

Therapeutics

Lessard, R., M.D. Laval and Paris Prof.

Urology

Bédard, A., M.D. Asst. Prof.

Theology

Professors

Vandry, F., L.Ph , D.Th. (Dogmatic T.).
Lemieux, E., L.Ph., D.Th. (Ascetical T. and Liturgy).
Audet, L., L.Ph., D.Th. (Moral T.).
Bourque, E., D A.C. Rome.

Associate Professors

Lacouline, P., D.Th.
Petit, G., D.D.C.
Dionne, M., L.Ph., L.Th.

Instructors

Lemelin, R , L.Th., L.D.C.
McNicoll, 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.
Noël, L., L.Th.
Saindon, F., L.Th.
Gagné, H., D.Ph. Tor., L.Th.
Ferland, G., L.Th.
Mathieu, A., D.Th.
Fortier, E., B.Th.
de Koninck, C., D.Ph. Louvain.
Morisset, B., L.Th.
Ledit, J., D.H. Rome.
Bureau, J. A., D.D.C. Rome, D.Th., L.Ph., LL.L.
Lussier, M., L.Th.
Beaumont, H., L.Th.

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. 16 schools affiliated.

ENSEIGNEMENT SECONDAIRE MODERNE. 2 schools affiliated.

ENSEIGNEMENT CLASSIQUE, 1st degree (*High School*), 18 schools affiliated. 1st and 2nd degrees: for girls, 8 schools affiliated; for boys, 21 affiliated and 1 aggregated.

ÉCOLE DE COMMERCE. 1 school affiliated.

ÉCOLE SUPÉRIEURE DE SCIENCES DOMESTIQUES. 1 school affiliated.

COURS LETTRES-SCIENCES. 12 schools affiliated.

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 Archbishops and Bishops of the Province (except those of the ecclesiastical provinces of Montreal and Rimouski). 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 Canon Law, Philosophy, Letters, Sciences, Social Sciences, Agriculture, and Forestry and Surveying.

LIBRARIES: General, 365,639 vols.; others, 842,689 vols MUSEUMS AND DIRECTORS: Paintings, A. Jobin; Ethnology and Religion, G.-E. Demers; Numismatics, J. M. Blanchet; Physics, R. Benoit; Geology and Mineralogy, J. W. Laverdière; Botany, A. Gagnon; Zoology, R. Dolbec; Ornithology, R. Dolbec; Entomology, G. Maheux; General Anatomy, P. Jobin; Pathological Anatomy, L. Berger; Forestry, Z. Rousseau; Conchyliology, G. Maheux; Coins, J. M. Blanchet. LABORATORIES: Chem., Phys., Bact., Biol., Physiol., Anat., Pathol., Clinic., Physio-pathol., Biochem., Bot., Mineral., Geol., Optics, Hygiene.

FACULTIES AND DEANS. Theology (E. Lemieux); Philosophy (C. de Koninck); Law (Judge J. A. Gagné); Medicine (C. Vézina); Letters (Canon M. Laliberté); Sciences and Engin. (A. Pouliot); Arts (E. Beaudry); Social Sciences (G. H. Lévesque); Agriculture (F. X. Jean); Forestry and Surveying (A. Bédard).

SCHOOLS. Graduate Studies, Nursing, Education, Music, Commerce, Household Sci., Pharmacy and Social Work.

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 Canon Law (1 yr.); 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.); 4 yrs. in Law (LL.L.); 4 yrs. in Theol. (L.Th.); 2 yrs. in Music; 4 yrs. in Social Sciences; 2 yrs. in Education; 2 yrs. in Canon Law. 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 5 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 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.

RECOGNITION of the B.A. of Laval is accorded by several European Universities, by Canadian Universities and by most of those of the U.S.A.

FEES for tuition, $275 to $325 p.a., with an extra charge for laboratories.

RESIDENCE. Students of Theol. reside at the Grand Seminary. The Maison des Étudiants, 49 St. Joachim St., provides accommodation (rooms only) for about 40 male students, $14 per month. Other students live with families approved by the Moderator.

EXTRA-MURAL WORK. Summer courses in Theology, Philosophy, French, English, Spanish, Portuguese, Education, and Gregorian Chant.

PUBLICATIONS. *Annuaire général, Special Calendars*, for Graduate School, Theology, Canon Law, 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, Ensemble, Les Archives de folklore, Cahiers de la Faculté des Sciences sociales, Pédagogie-Orientation, Cahiers du Cercle Laennec, Bulletin des relations industrielles, Le Carabin* (students' paper), publications of the Fac. of Theol., publications of the Fac. of Social Sciences.

THE YEAR 1948–49

BENEFACTIONS. Public Subscriptions: $10,600,000; Casgrain & Charbonneau, Ltd., Montreal, $1000; Compagnie Cibag Ltd., Montreal, $4200; National Research Council, $9050; Department of National Defence, $13,430; Hoffman, Laroche, Ltd., Montreal, $500; Frank W. Horner, Ltd., Montreal, $750; Institute of Medical Aviation, $8000; Province of Quebec Office of

Researches, $3000; Ministries of Health, Canada and Province of Quebec, $16,000.

NEW BUILDINGS. Forest Engineering and Surveying Bldgs. under construction or to be constructed: Medical Centre and Hospital, School of Commerce, Seminary of Technology.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Sir William Hamilton Fyfe, ex-Vice-Chancellor, Aberdeen; J. F. Foster, Secretary of the Association of Universities of the British Commonwealth; Prof. D. von Hildebrand, Fordham, New York; Prof. F. Cayré, l'Institut Catholique de Paris; Mrs. N. Vandier-Nicolas, Student in Chinese and Japanese from l'École du Louvre; W. R. Thompson, Director of the Imperial Parasital Bureau, Belleville, Ont.; Dr. R. Kourilsky (Paris).

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Dr. H. Lapointe (Congress Neuro-Radiology, Rotterdam, Holland); Msgr. A.-M. Parent, L. Lacourcière and Rev. F. A. Savard (San Francisco, California, congress of the American Association of French Professors); F. Brassard (International Congress of Music in Vienna); R. Valin (Congress on Education, Santander, Spain); Dr. P. Jobin (Philadelphia, Congress on Anatomy); P. Deffontaines (International Congress on Geography, Lisbon, Portugal); M. Lebel (Notre-Dame); U. Demers (Congress of Pharmacy, La Havane, Cuba); A. Marquis (La Havane, Cuba); R. Valin (Grenoble); Msgr. F. Vandry, Rev. E. Lemieux, Adrien Pouliot (Paris, Rome, London).

RETIREMENTS. Canon O. Genest (Christian Doctrine); Dr. A. Paquet (Anat.); Rev. A. Tessier (Hist. of Canada); H.E. Msgr. R. Gagnon (Clerical Law); Msgr. W. Cannon (English); Canon O. Bergeron (Maths.); Rev. A. Roy (Gregorian Chant).

DEATHS. Hon. Justice P. A. Choquette, Governor of the Univ.; J. G. E. Côté, Governor of the Univ.; Inst J. C. Côté (Pædiatrics); Prof. N. A. Dussault (Ophthalmol.-Oto-Rhino-Laryngol.); Prof. A. Langlois (Dental Surgery); Prof. A. Aubert, former Librarian of the Univ.

HONORARY DEGREES. *Law*: Hon. P. H. Bouffard; R. E. Powell; J. Wilson; H. H. L. Borne; H. Gagnon. *Letters*: H. E. Jenkin; H.E. Msgr. G. Courchesne; Canon M. Patry; Sir William Hamilton Fyfe; J. H. Blanchard. *Sciences*: F. Rasetti; O. McK. Solandt; A. Décary; J. M. Finlayson; B. Normandin; E. Little; H. Biermans. *Social Sciences*: C. L. Burton; A. C. Price; L. P. Turgeon; P. Fugère; F. Bussières; P. Desrochers.

STUDENTS. Full-time: 6324, including 3707 graduates having their first degree and preparing for another.

DEGREES. *Theology*, Bacc., 29; Lic., 14; Doc., 3; *Canon Law*, Doc. 1; *Philosophy*, Bacc., 24; Lic., 11; Doc., 5; *Law*, Bacc., 6; Lic., 52; *Medicine*, Bacc., 81; Doc., 81; *Nursing*, Dipl., 207; Bacc., 6; *Household Sciences*, Bacc., 6; *Music*, Bacc., 7; Lic., 3; *Education*, Bacc., 32; Lic., 9; *Letters*, Lic., 7; Masters, 10; Doc., 8; *Chemistry*, Bacc., 2; *Mining Engineering*, Bacc., 7; *Physics*, Bacc., 4; Doc., 2; *Chemical Engineering*, Bacc., 8; Masters, 1; *Geological Engineering*, Bacc., 9; Masters, 4; *Metallurgy*, Bacc., 1; *Electrical Engineering*, Bacc., 10; Masters, 1; *Biology*, Bacc., 5; Masters, 5; Doc., 2; *Sciences*, Lic., 7; Doc., 1; *Fisheries*, Bacc., 4; *Pharmacy*, Bacc., 6; *Agriculture*, Bacc., 10; *Social Sciences*, Bacc., 16; Lic., 18; Masters, 2; *Commerce*, Bacc., 70; Lic., 59; *Social Service*, Bacc., 9; Lic., 10; *Surveying*, Bacc., 41; *Forest Engineering*, Bacc., 19.

McGILL UNIVERSITY
MONTREAL

Founded 1821

Postal Address—805 Sherbrooke St. West, Montreal 2, P.Q.

VISITOR—H.E. THE GOVERNOR-GENERAL OF CANADA.

CHANCELLOR—THE HON. ASSOCIATE CHIEF JUSTICE OF THE PROVINCE OF QUEBEC, O. S. TYNDALE, M.A., D.C.L. McG. and Montreal, LL.D. Glas.

PRINCIPAL AND VICE-CHANCELLOR—F. CYRIL JAMES, Chev. Lég. d'H., B.Com. Lond., M.A., Ph.D. Penn., D.C.L Bishop's, LL.D. Qu., etc., D.Sc. Clarkson, D. de l'U. Montr., F.R.S.C.

VICE-PRINCIPAL—JOHN J. O'NEILL, Ph.D. Yale, M.Sc., F.G.S.A., F.R.S.C.

COMPTROLLER AND EXECUTIVE ASSISTANT TO THE PRINCIPAL—S. H. DOBELL, D.S.O.

SECRETARY AND BURSAR—W. BENTLEY.

REGISTRAR—T. H. MATTHEWS, M.A. Oxon.

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. Acadia.

DIRECTOR OF EXTENSION COURSES—F. S. HOWES, Ph.D. Lond

CHIEF ACCOUNTANT—GEORGE A. GRIMSON, B.Com.

SECRETARY, GRADUATES' SOCIETY—D. LORNE GALES, B.A., B.C.L.

INCORPORATED COLLEGES

MACDONALD COLLEGE, at Ste.-Anne de Bellevue (about 25 miles from Montreal), including Faculty of Agric., School for Teachers, and School of Household Science. Vice-Principal — W. H. Brittain, M.S. (Agr.), Ph.D. Cornell, D.Sc. Br. Col., B.S.A., F.A.I., F.R.S.C.

ROYAL VICTORIA COLLEGE, Montreal (the Women's College of the Univ.). Warden—Muriel V. Roscoe, A.M., Ph.D. Radcliffe, D.Sc. Acadia.

TEACHING STAFF

McGILL COLLEGE (Faculty of Arts and Science)

Accounting, v. Commerce, *infra*	Martin, C. P., M.A., M.B., Ch.B., D.Sc. Dub.	Reford Prof.
Agriculture, v. Macdonald College, *infra*		
Anatomy (Histology, Embryology)	Leblond, C. P., M.D., Ph.D. Paris, D.Sc. Montr.	Prof.

Friedman, S M, B A., M.Sc., Ph.D., M D, C.M. Assoc. Prof.
Forster, D. S., M.A., M.D., C.M. Asst. Prof.
Gross, J., B.Sc., Ph.D., M D., C.M. Lectr.
Workman, E. W., M.Sc, M.D., C.M Lectr.
3 Demrs., 2 Teaching Fellows.

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., F.R.S.C. Dean of Fac. of Grad. Stud. and Research, and Cheney Prof.
Quastel, J. H., Ph.D., D.Sc. Camb., F.R.S Prof.
Denstedt, O. F., B Sc. Manit., Ph.D., F.C I.C. Assoc. Prof.
Heard, R. D. H., M.A. Tor., Ph.D. Manc. Assoc. Prof.
Saffran, Judith, B.Sc. Sessl. Lectr.
3 Demrs.

Biophysics

Evelyn, K. A., B.Sc., M.D., C.M. Assoc. Prof.
1 Clinical Fellow.

Botany

Roscoe, Muriel V., B.A., D.Sc. Acadia, A.M., Ph.D. Radcliffe Prof.
Polunin, N. V., M.S. Yale, M.A., D.Phil., D.Sc. Oxon. Macdonald Prof.
Gibbs, R. D., Ph.D. Lond., M.Sc., F.R.S.C., F.L.S. Assoc. Prof.
Pady, S. M., M.A. McM., Ph.D. Tor. Assoc. Prof.
Waygood, E. R., M.S.A.O.A.C., Ph.D.Tor. Asst. Prof.
13 Demrs.

Chemistry, v. also Engineering, *infra*

Maass, Otto, O.B.E., Ph.D. Harv., D.Sc. Rochester and Laval, LL.D. Manit., 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. (Indust. and Cellulose Chem) Eddy Prof
Hatcher, W. H., M Sc., Ph D, F.R.S C., F.C.I.C. Prof
Winkler, C. A., O.B.E., M.Sc. Manit., D.Phil. Oxon., Ph.D., 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. Assoc. Prof.
Taurins, A., Dr.Chem Riga Assoc. Prof
Ross, A. S., B.A. W. Ont., A.M. Oberlin, Ph D. Asst. Prof.
Holcomb, R. K., B Sc. (Agr), Ph.D. Asst. Prof.
Ross, J. H., D.Sc. Geneva, B.Sc. Hon. Lectr.
Campbell, W. B., B.Sc., Ph.D, F.C.I.C., F.R.S C Hon. Lectr.
Mason, S. G., B.Eng., Ph.D. Hon. Lectr.
Bowen, W. G., B.Sc., Ph.D. Sessl. Lectr.
Hayward, L. D., B.A. Sask. Sessl. Lectr.
Madras, S., B.Sc. Sir Geo. Williams, Ph.D. Sessl. Lectr.
Robertson, R., M.Sc., Br. Col. Sessl. Lectr.
50 Pt.-time Demrs.

Classics

Woodhead, W. D., B.A. Oxon., M.A. Alta., Ph.D. Chic. Mills Prof.
Carruthers, C. H., B.A. Tor. and Oxon., M.A. Tor., Ph.D. Chic. (Class. Philol.) 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. Michigan Asst. Prof.

Commerce, v. *infra*

Dentistry, v. *infra*

Economics and Political Science

Keirstead, B. S., B.A. New Br. and Oxon., F.R.S.C. Dow Prof.
James, F. C., B Com Lond., M.A., Ph D. Penn., D.C.L. Bishop's, LL.D. Lond , D.Sc. Clarkson, D. de l'U. Montr., Chev. Lég. d'H. (Pol. Econ.) Princ. and Vice-Chancellor of Univ., Prof.
Beach, E. F., B.A. Qu., A.M., Ph.D. Harv. Bronfman Prof.
Higgins, B. H., B.A. W. Ont., M.Sc. Lond., Ph.D. Minn. Bronfman Prof.
Marsh, D., B.A. New Br., M.A. Louisiana State, Ph D. Ill Prof.
Watkins, F. M., A B., Ph.D. Harv. (Pol. Sci.) Bronfman Prof.
Novotny, J. M., Juris Universi Dr. Charles, Prague (Econ.) Visiting Prof.
Culliton, J. T , B A. Sask., M.A. Assoc. Prof.
Mallory, J. R., B.A. New Br., M.A. Dal., LL.B. Edin. (Pol. Sci.) Assoc. Prof.
Brecher, I., A.M. Harv., B.A. Asst. Prof.
Vineberg, P. F., M.A., B.C.L. Asst. Prof.
Dales, J. H., B.A. Tor., M.A. Harv. Lectr.
Albert, Ruth, M.A. Sessl. Lectr.
Callard, K. B., B.Sc. Lond. Sessl. Lectr.
MacQuarrie, B.A. Manit., M.A. New Br. Sessl. Lectr.
Sainsbury, G. V., B.A. Br. Col., M.A. Tor. Sessl. Lectr.
5 Assts., 1 Teaching Fellow.

Education, v. also Macdonald Coll., *infra*

Hughes, J., M.A. Wales Macdonald Prof.
Currie, A. B., B.Com. Qu., M.A., M.Ed. Alta., Ph.D. Lond. Assoc. Prof.
Rittenhouse, C., M.A. Lectr.
Lead, H. D., M.Sc., Ph.D. Sessl. Lectr.
Low, Ruth M., B.A. Sessl. Lectr.
Mitchell, G. J., B.Mus. Tor. Sessl. Lectr.
Savage, Annie D. Sessl. Lectr.
Taylor, J. H., B.A. Qu. and McG Sessl. Lectr
Teakle, C. T., M.A. Bishop's, B.A. Sessl. Lectr.

Embryology, v. Anatomy

Engineering, v. *infra*

English Lang. and Lit.

Files, H. G., A.M., Ph.D. Harv. Greenshields Prof.
Duthie, G. I., M.A., Ph.D., D.Litt. Edin. Molson Prof.
Phelps, A. L., B.A. Tor. Prof.
Noad, A. S., M.A. Assoc. Prof.
Anderson, P. M., M.A. Oxon. and Col. Asst. Prof.
Beresford-Howe, Constance, M.A. Asst. Prof.
Hall, Elmer Asst. Prof.
Hemlow, Joyce, M.A. Queen's, A.M., Ph.D. Radcliffe Asst. Prof.
Sprott, B. D., M.A. Melb. Asst. Prof.
Porter, S. W., B.A., M.F.A. Yale Lectr.
Fricker, Kathleen M., B.A. Sessl. Lectr.
Ford, F. Sessl. Lectr.
7 Assistants.

Fine Arts

Davis, R. T., A.M. Harv. Prof.
Lyman, J. Assoc. Prof.
Lismer, A., LL.D. Dal. Asst. Prof.
Filer, Mary H Lectr.
Webber, G. Lectr.
1 Asst.

French, v. Romance Langs., *infra*

Genetics

Boyes, J. W., M.Sc. Sask , Ph.D. Wisc. Assoc Prof.
..... Assoc Prof.
Boothroyd, E. R., M.Sc., Ph.D. Asst. Prof.
Fraser, F. C., B.Sc. Acadia, M.Sc., Ph.D. Lectr.
6 Demrs.

Geography

Kimble, G. H. T., M A. Lond., Ph.D. Montr.
Prof. and Dir. of Geog. Summer Sch.
Zaborski, B., Ph.D. Warsaw, Docent. Cracow Assoc. Prof.
Hare, F. K., B.Sc. Lond. Asst Prof.
Lash, H. N., B.A. Lectr.
Washburn, A. L., B.A. Dartmouth, Ph.D. Yale Hon. Lectr.
2 Assistants.

Geological Sciences

O'Neill, J. J., Ph.D. Yale, M.Sc., F.G.S.A., F.R.S C.
Dean of Engin. and Dawson Prof.
Graham, R. P. D., B.A. Oxon., D.Sc., F.R.S.C.
(Mineral.) Prof.
Clark, T. H., A.M., Ph.D. Harv., F.R.S.C.
(Palæont.) Logan Prof.
Gill, J. E., Ph.D. Princeton, B.Sc., F.R.S.C Prof.
Krank, E. H., Ph.D. Helsingfors Visiting Prof.
Jolliffe, A. W., M.A. Qu., Ph.D. Princeton, F.R.S.C. Assoc. Prof.
20 Demrs.

German

Graff, W. L., Ph.D. Louv. Prof.
Meyer, Bertha, M.A. Asst. Prof.
Block, V., M.A. Lectr.
Lambek, J., M.Sc. Asst. Lectr.

Graduate Studies and Research, v. *infra*

Greek, v. Classics

Histology and Embryology, v. Anatomy, *supra*

History

Fieldhouse, H. N., M.A. Oxon and Sheff.
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. Asst. Prof.
5 Assistants.

Household Science, v. Macdonald Coll., *infra*

Latin, v. Classics

Law, v. *infra*

Library Science, v. Library Sch., *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.

Williams, W. L. G., B.A. Haverford., M.A. Oxon., Ph.D. Chic., D. ès Sc. Montr., F.R.S.C. Prof.
Zassenhaus, H. J., M.A. Glas., Dr. Rer. Nat., Dr. Habil. Hamb. Prof.
Fox, C., M.A. Camb., D.Sc. Lond. Assoc. Prof.
Rosenthall, E., Ph.D. Calif. Inst. Tech., M.Sc. Assoc. Prof.
Bradley, R. A., M.A. Qu., Ph.D. N. Car. Asst. Prof.
Jackson, J. D., B.Sc. W. Ont., Ph.D. Mass. Inst. Tech. Asst. Prof.
Morris, T. F., Ph.D. Tor. Asst. Prof.
Ross, W. B., M.Sc., Ph.D. Asst. Prof.
Solin, C. D., Ph D. Tor., M.A. Asst Dean Fac. Arts and Sci., and Asst. Prof.
Blackmore, W. R., B.Sc. Sir G. Williams Lectr.
Fullerton, R. D., B.A. Mt. A., A.M. Harv. Lectr.
Lambek, J., M.Sc. Lectr.
Looker, A. J., B.Eng. Lectr.
Burrow, M. D., M.Sc. Sessl. Lectr.
Melamed, S., B.Sc. Sessl. Lectr.
Smith, N. E., B.A. New Br. Sessl. Lectr.

3 Demrs.

Medicine, v. *infra*

Metallurgy, v. Engin., *infra*

Mineralogy, v. Geological Sciences, *supra*

Mining, v. Engineering, *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. Heidelberg (Logic and Metaphysics) Frothingham Prof.
Calogero, G., D.Litt. Rome, D.Jur. Siena Visiting Prof.
Henderson, T. G., Ph.D. Harv., M.A. Assoc. Prof.
Currie, C., Ph D. Harv., M.A. Asst. Prof.
Chipman, W. N. A., B.Phil. Oxon., B.A. Lectr.

Physics

Shaw, A. N., M.A. Camb., B.A., D.Sc., F.R S.C. Prof.
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. Prof. and Dir. of Electronics Lab
Marshall, J. S., M.A. Qu., Ph.D. Camb. Assoc. Prof.
Pounder, E. R., B.Sc., Ph.D. Assoc. Prof.
Terroux, F. R., B.A. Loyola, Ph.D. Camb., M.Sc. Assoc. Prof.
Watson, H. G. I., B.A. Tor., M.Sc., Ph.D. Assoc. Prof.
Westcott, C. H., B.Sc. Lond., Ph.D. Camb. Assoc. Prof.
McPherson, Anna I., Ph.D. Chic., B.A., M.Sc. Asst. Prof.
de Angelis, M. L., B.Sc., M.Eng. Lond. Lectr.
Hendrickson, A., B.A. Br. Col., M.Sc. Lectr.
Wagner, S., B.Sc. Lectr.
Gunn, K. L. S., B.A. Western, M.Sc. Sessl. Lectr.

38 Pt.-time Demrs.

Physical Education, v. *infra*

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.
Terroux, Kathleen G , B A., M.Sc., Ph.D. Asst. Prof.
Johnson, A. L., M.D., C.M. Lectr.
6 Demrs.

Physiotherapy, v. *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. Assoc. Prof.
Luchins, A. S , B.A. Brooklyn, M A. Col , Ph.D. N.Y Assoc. Prof.
Webster, E. C., M.A., Ph D. Assoc. Prof.
Bindra, D., Ph.D. Harv. Asst. Prof.
Lansdell, H. C., B.Sc. Sir Geo. Williams Asst. Prof.
Solberg, Patricia A., Ph.D. Chic. Asst. Prof.
Wrigley, C. F., M.A. N.Z., Ph.D. Lond. Asst. Prof.
9 Assistants, 2 Demrs.

Romance Languages

Launay, J. E. L., L. ès L., Dipl. d'Et. Sup. Paris, Ag. de l'U. France (French) Prof. and Dir. of French Summer Sch.
Nardin, P. C., L. ès L., Dipl. d'E.S. Nancy, Ag. de l'U. France (French) Prof.
D' Andrea, A., Dott. de Filos. Pisa (Italian) Visiting Prof.
Furness, Mme. Lucie T., L. ès L. Paris (French) Assoc. Prof.
Larivière, Hélène, Ag. de l'U. France Assoc. Prof.
d'Hauteserve, L., B. ès L. and Ph , Lic. en Droit Paris, M.A. (French) Asst. Prof.
Harrop, L. B., B.A., Dip.Ed. W. Aust., Dip. de Est. Hisp. Spain (Spanish) Asst. Prof.
Henry, Robina E., M.A. Dub. Asst. Prof.
Rigault, A. A., L. ès L., Dipl. d'E.S. de L., Dipl. de Phon. Paris (French) Asst. Prof.
Lenoir, Norah M., M.A. Lectr.
Mazars, Geneviève, B. ès L., L ès L. Toulouse (French) Lectr.
Romer, T., L ès Sc. Pol. et Soc. Lausanne Lectr.
Stegen, G. F. (Spanish) Lectr.

Social Work, v. *infra*

Sociology

Dawson, C. A., B.A. Acadia, Ph.D. Chic. Prof.
Hall, O., B.A. Qu., Ph.D. Chic., M.A. Assoc. Prof.
Meltzer, B. E., M.A. Wayne, Ph.D. Chic Asst. Prof.
Voget, F. W., B.A. Oregon, Ph.D. Yale (Anthropol.) Asst. Prof.
Ross, Aileen D., B.Sc. (Econ.) Lond., M.A. Chic. Asst. Prof.
9 Demrs.

Spanish, v. Romance Langs., *supra*

Zoology, v. also Macdonald Coll., *Parasitology*, *infra*

Stanley, J., B.A. Br. Col., M.A., Ph.D. Minnesota Prof.
Berrill, N. J., B.Sc. Brist , Ph.D., D.Sc. Lond., F.R.S C. Strathcona Prof.
Dunbar, M., M.A. Oxon., Ph.D. Assoc. Prof.
Scott, H. R., B.Sc. Acadia, M.S., Ph.D. Brown Asst. Prof.
Scott, D. Maxwell, M.Sc., Ph.D. Lectr.
8 Demrs.

Architecture

Bland, J., B.Arch.
Director and Assoc. Prof.
Spence-Sales, H. J., B A. N Z.
Assoc. Prof.
Wilson, S. A., B.Arch. Asst. Prof.
Lebensold, D. F. Lectr.
Balharrie, J W. Sessl. Lectr.
Johnson, W. A., B.A., B.C.L
Sessl. Lectr.
Sise, H. E., B.Arch. Mass. Inst. Tech. Sessl. Lectr.
4 Demrs., 1 Instr.

Commerce

Accounting

Byrd, K. F., B.Sc.(Econ.), M.A. Lond. Prof.
Patton, D. R., B.Com.
Assoc. Prof.
Pugsley, P. T. R., B.Com.
Asst. Prof.
Anderson, C. K. Lectr.
Dawson, R. J. P. Lectr.
Hall, G. B. A., M.Com. Lectr.
Houghton, V. Lectr.
Knowles, F., B.Com. Lectr.
Howson, A. H., B.A. Lectr.
Lemieux, E. A., B.Com. Lectr.
Mellor, C. D., B.Com. Lectr.
Smyth, W. A., B.Com. Lectr.
6 Demrs.

Commerce

Woods, H. D., B.A. New Br., M.A. (Indust. Relns.)
Director and Assoc. Prof.
Yamey, B. S., B.Com. Cape T.
Assoc. Prof.
Schwartzman, D., M.A. Minn., B.A. Lectr.
Solin, C. D., Ph.D. Tor., M.A.
Lectr.
Shallenberger, B. A. Stanford, M.B.A. Harv. Lectr.
Tate, H., B.Sc. N.U.I., M.A. Dub.
Lectr.
Vineberg, P. F., M.A., B.C.L.
Lectr.
Weldon, J. C., B.A. Lectr.
Westbury, A. H., F.C.I.S. Lectr.
15 Demrs.

Divinity

Thomson, J. S., M.A. Glas, D.D. Glas., Sask, Tor, LL.D. McM., Manit., Qu., Tor., Washington State, McG.
Dean and McConnell Prof. of Philos. of Rel.
Ferguson, W. A., M.A. Oxon., D.D. Sask.
Prof. of N. Test. Lit. and Interp.
Scott, R. B. Y, B.D. Knox, M.A., Ph D. Tor., D.D. United Church
Prof. of Old Test Lang. and Lit.
Slater, R. H. L., M.A. Camb., Ph D. Col
Prof. of Syst. Theol.
Smith, W. C., B A. Tor., Ph.D. Princeton
Birks Prof. of Comp. Rel.
Walsh, H. H., M.A. King's, B.D. Gen. Synod, S.T.M. Gen. Theol. Sem., N.Y. (Church History) Assoc. Prof.

Engineering

O'Neill, J. J., Ph.D. Yale, M.Sc., F.R.S.C. (Prof. of Geol.)
Dean.

Architecture, v. *supra*

Chemical Engineering, v. also Chem., *supra*

Phillips, J. B., M.Sc., Ph.D., F.C.I.C. Prof.
Gauvin, W., M.Eng., Ph.D.
Assoc. Prof.
Knelman, F. H., B.A.Sc. Tor.
Lectr.
1 Demr.

Civil Engineering and Applied Mech.

Jamieson, R. E., O.B.E., M.Sc.
Scott Prof.

Dodd, G. J., M.Sc. Prof.
French, R. de L., B.Sc., C.E. Worc. Poly. Inst. (Highways and Municip.) Prof.
Arcand, L. J , M.Eng. Assoc. Prof.
Craig, C., B A , M Eng. Assoc. Prof.
de Stein, J. L., B.App.Sc. Sask. (M.Eng.) Asst. Prof.
Mathison, W., B.Sc. Glas. Asst. Prof.
Wilson, V. W. G., M.Sc. Mass. Inst. Tech., B.Sc. Asst. Prof.
Baker, M. C., B.Eng. Lectr.
Bradbury, J. S., B.Sc. Lond. Lectr.
David, R. E., B.Sc. Paris Lectr.
Neilson, S. A., B.Sc. Lectr.
Pakalnins, A., Dipl.Eng. Charlottenburg, D. Eng. Sci. Latvia Lectr.
4 Demrs.

Electrical Engineering

Wallace, G. A., M.Sc. Prof.
Burr, E. G., O.B.E., B Sc. Prof.
Christie, C. V., M.A. Dal., M.Sc. Macdonald Prof.
Chipman, R. A., B.Sc. Manit., Ph.D. Camb., M.Eng. Assoc. Prof.
Howes, F. S., Ph.D. Lond., B.Eng., M.Sc. Assoc. Prof.
Schippel, W. H., B.Sc., M.Eng. Assoc. Prof.
Chien, C. K., B.Sc. Col. Lectr.
Gordon, A. I., B.Eng. Lectr.
Pavlasek, T. J. F., M.Eng. Lectr.
Takeshige, M., B.Eng. Lectr.
Weeks, J. G., B.Sc. Alta. Lectr.
9 Demrs.

Engineering Drawing

Glynn, B. C. C. Asst. Prof.

Engineering Practice

George, A. R., B.A. Brist., B.D. Lond. (Public Speaking) Sessl. Lectr.

Industrial Relations, v. Mechan. Engin., *infra*

Mathematics, v. *supra*

Mechanical Engineering

Robb, C. A., S.M. Mass. Inst. Tech., D.Eng. Johns H., B.Sc. Prof.
Mordell, D. L., M A. Camb. Assoc. Prof.
Stafford, P. M., M.S.E. Mich. Assoc. Prof.
Woods, H. D., B.A. New Br., M.A. (Indust. Relns.) Assoc. Prof.
Bruce, W., B.A.Sc. Tor. Asst. Prof.
Fainstat, M. M., B.Eng. Asst. Prof.
Oatway, H. C., D.I.C. Lond., B Eng. Asst. Prof.
Rice, W. B., B.Eng. Asst. Prof.
White, J. M., B.E. Johns H. Asst Prof.
Wantola, W. A., B.Sc. Qu. Lectr.
Wisney, R. H., B.Sc. Glas. Lectr.
Kowalski, T., B.Sc. Glas. Sessl. Lectr.
Lee, J.-J., B.S. Chiaotung, S.M. Mass. Inst. Tech. Sessl. Lectr.
Levine, S., B.Eng. Sessl. Lectr.
Matthews, E. L. J., M.Eng. Ghent Sessl. Lectr.
Pohoryles, M., B.Sc. Belf. Sessl. Lectr.
Stalony-Dobrzanski, J. A. M., B.Sc. St. And. and Lond. Sessl. Lectr.
7 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.

Sproule, G. St. G., M.Sc. (Metall.) Assoc. Prof.
Ogilvie, J. P., Ph.D. Calif., B.Eng. (Metall.) Asst. Prof.
O'Shaughnessy, M. D., M.S. Montana, M.Eng. Asst. Prof.

Physics, v. *supra*

Public Speaking, v. Engin. Practice, *supra*

Graduate Studies and Research

Thomson, D. L., B.Sc., M.A. Aberd., Ph.D. Camb., F.R.S.C. Dean and Prof. of Biochem.
(Graduate instruction and supervision of research are undertaken by members of all Depts. of the Univ.)

Law

Fauteux, Hon. Mr. Justice G. H., B.A., LL L. Montr. Dean and Prof. of Cr. L. (to Jan. 1, 1950).
LeMesurier, C. S., K.C., B.A., B C.L. Prof. of Civ. L.
Baudouin, L., D. en Droit, ès Sc. juridiques, et ès Sci. polit. Paris Prof.
Scott, F. R., B.A. Bishop's and Oxon , B Litt. Oxon., B.C.L., F.R.S.C. Prof.
Challies, Mr. Justice G. S., M.A., M.C.L. Lectr.
1 Teaching Fellow

Civil Procedure

Bruneau, A. S., K.C., B.A., B.C.L. Dean of Fac. and Prof.
Anglin, J. P., B.A., B.C.L. Lectr.
Gazdik, J. G., Dr. Pol. Sc. Pécs, D.C.L. Lectr.
Minnion, A. M., B.C.L. Lectr.
Watt, A. M., B.A., B.C.L. (Law) Lectr.

Criminal Law

O'Brien, J. L., K.C., B.A., B.C.L. (Law) Assoc. Prof.
Cohen, M., B.A., LL.B. Manit., LL.M. Northwestern Assoc. Prof.
Owen, G. R. W., B C.L., M.A. (Law) Lectr.
Richardson, C. S., K.C., M.A. Acad., LL.B. Dal. (Law) Lectr.

Library School

Library Science

Ross, Vernon, B.S. in Lib. Sci. Col., M.A. Dir. and Asst. Prof.
Murray, Virginia, M.A. Col., B.L.S. Asst. Prof.

Medicine

Anæsthesia

Bourne, W., M.Sc , M D., C.M., F.R.C.P.Can., F.A.C.A. Prof.
Griffith, H. R., M.D. Hahnemann, B.A., M.D., C.M. Assoc. Prof.
Stephen, C. R., B.Sc., M.D., C.M. Asst. Prof.
Stewart, C. C., M.D., C.M. Asst. Prof.
Wilkinson, F. A. H., M.D., C.M., F.I.C.A. Asst. Prof.
Ferguson, R., M.B.E., M.D. Tor., F.I.C.A. Lectr.
Stockwell, W. C., B.A. Bishop's, M.D., C.M. Lectr.
5 Demrs.

Anatomy, v. *supra*

Bacteriology and Immunity

Murray, E. G. D., O.B.E., M.A. Camb., F.R.S.C. Prof.
Fleming, D. S., B.A., M.D., C.M., D.P.H. Tor. Sec. of Fac. and Assoc. Prof.
Stevenson, J. W., M.D., C.M. Queen's Assoc. Prof.
Kalz, Gertrude G., Matura M.D., D.P.H. Prague Asst. Prof.
Kelly, C. D., M.S.A. Br. Col., Ph.D. Corn. Asst. Prof.
de Vries, Joan, B.A. Dal., M.D., C.M. Lectr.

McLean, C. R., M.D., C.M. Qu., M.Sc. Lectr.
Masson, Anne M., B.A. Strasbourg, M.D. Paris Lectr.
Prissick, Frances H., B.A., M.D., C.M. Lectr.
1 Demr., 1 Teaching Fellow.

Biochemistry, v. *supra*

Endocrinology

Cleghorn, R. A., M.D. Tor., D.Sc. Aberd. Asst. Prof.

Gynæcology, v. Obstetrics and Gynæcology

Health and Social Medicine

Vivian, R. P., M.D. Tor. Strathcona Prof.
MacMillan, C. W., M.D., C.M., D.P.H. Asst. Prof.
Blumefield, E. A., D.P.H. Tor., M.D., C.M. Lectr.
Burke, H. E., M.Sc., M.D., C.M., Ph.D. Lectr.
Cruikshank, W. H., M.D., D.Psy., D.P.H. Tor. Lectr.
Ross, H. G., M.D., C.M. Lectr.
Silverman, B., M.D., C.M., F.A.P.A. Lectr.
Wall, M. A., M.Sc. Col., B.H.S. Lectr.
Ward, R. V., M.D., C.M., F.R.C.P.Can. Lectr.
1 Demr.

Medical Jurisprudence, v. Toxicol. and Med. Jurisp.

Medicine

Browne, J. S. L., B.Sc.(Med.), Ph.D., M.D., C.M., F.R.S.C. Prof.
Brow, G. R., M.D., C.M., F.R.C.P.Can. Prof.
Mills, E. S., M.Sc., M.D., C.M., F.R.C.P.Can., F.A.C.P. Prof.

Associate Professors

Birchard, C. C., M.D. Tor., F.R.C.P.Can.
Evelyn, K. A., B.Sc., M.D., C.M.
Gordon, K., B.A., M.D., C.M., F.R.C.P.Can.
Kaufmann, J., M.D., C.M., F.R.C.P.Can.
Mason, E. H., Ph.B., M.D., C.M., F.R.C.P.Can., F.A.C.P.
Rabinowitch, I. M., O.B.E., M.D., C.M., D.Sc., F.R.C.P.Can., F.A.C.P.
Scriver, W. de M., B.A., M.D., C.M., F.R.C.P.Can., F.A.C.P.

Clinical Professors

Burgess, J. F., O.B.E., M.D. Tor., F.R.C.P.Can.
Ereaux, L. P., B.Sc., M.D., C.M.

Assistant Professors

Adams, L. J., M.D., C.M., F.R.C.P.Can.
Bensley, E. H., M.D. Tor.
Burke, H. E., M.Sc., M.D., C.M., 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.
Feeney, N., B.A. Loyola, M.D., C.M.
Fullerton, C. W., M.D., C.M.
Hill, W. H. P., B.A., M.D., C.M.
Hoffmann, M. M., B.A. Mt. A., M.Sc. Dal., M.D., C.M., Ph.D.
Howlett, J. G., M.Sc., M.D., C.M., F.R.C.P.Can.
Kennedy, W. R., B.Sc., M.D., C.M.
Lewis, D. S., M.Sc., M.D., C.M., F.R.C.P.Can., F.A.C.P.
Lowenstein, L., B.A., M.D. Vanderbilt.
McIntosh, J. F., B.A. New Br., M.D., C.M.
Mitchell, H. S., B.A., M.D. Qu.
Moffatt, C. F., B.A., M.D., C.M., F.A.C.P.
Palmer, J. H., M.D., C.M., F.R.C.P. Lond. and Can.
Rose, B., B.A., M.D., C.M., M.Sc., Ph.D.
Schenker, V., B.Sc., Ph.D. (Exper. Med.).

Segall, H. N., M.D., C.M., F.A.C.P.
Smith, McI., M.Sc., M.D., C.M.
Tidmarsh, C. J., M.A., M.D., C.M., F.A.C.P., F.R.C.P.Can.
Townsend, S. R., B.A., M.D., C.M.
Venning, Eleanor H., B.A., M.Sc., Ph.D. (Med. Clin.).
Wright, H. P., B.A. Bishop's, M.D., C.M.

Lecturers

Aronovitch, M., B.Sc., M.D., C.M.
Barker, C. S., B.A., M.D., C.M., F.R.C.P.Can., F.A.C.P.
Bennetts, R. C., A.B. Calif., M.D., C.M.
Brabander, J. O. W., M.D., C.M.
Cleghorn, R A., M.D. Tor., D.Sc. Aberd.
Fowler, A. F., M.D., C.M.
Halpenny, G. W., B.Sc., M.D., C.M., F.R.C.P.Can.
Johnson, L. G., B.Sc., M.D., C.M.
Kalz, F., M.D. Prague.
Meakins, J. F., M.A. Camb., M.D., C.M., F.R.C.P.Can.
Mendel, D. L., M.D., C.M.
Mitchell, D. S., B.Sc., M.D. N.W.
Mackenzie, K. R., M.D., C.M., Ph.D.
McLellan, W. G., M.D., C.M.
Ortenberg, S., M.D., C.M.
Pattee, C. J., B.A. Bishop's, M.Sc., M.D., C.M.
Quintin, T. J., M.D., C.M., F.A.C.P.
Thom, A. T., M.D. Tor., B.A.
Usher, B. D., B.A , M.D., C.M.
Weil, P. G., B.A. N. Carolina, M.Sc., M.D., C.M., Ph.D.
25 Demrs., 5 Teaching Fellows.

Neurology and Neuro-Surgery

Penfield, W. G., C.M.G., Litt.B., D.Sc. Princ., M.A., D.Sc. Oxon., M.D. Johns H., 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., F.R.C.S.Can., F R.S.C.
Assoc. Prof.
McEachern, D., M.D. Manit. (Neurol. and Neurochem.)
Assoc. Prof.
McNaughton, F. L., B.A., M.Sc., M.D., C.M. (Neurol.).
Assoc. Prof.

Assistant Profs.

Elliott, K. A. C., M.Sc. S.A., Ph.D. Camb (Neurol.).
Elvidge, A. R., M.Sc., M.D., C.M., Ph.D., F.R C.S.Can. (Neurol.).
Jasper, H. H., A.B. Reed, M.A. Oregon, Ph.D. Iowa, D. ès Sc. Paris, M.D., C.M. (Neuro-physiol.).
Olszewski, J., M.D Freiburg (Neuro-anal).
Swank, R. L., B.S. Wash., M.D., Ph.D. N.W. (Exper.).
Young, A. W., M.D., C.M., F.R.C.P.Can. (Neurol.).
Robb, J. P., M.Sc., M.D., C.M. (Neurol.) Hon. Lectr.
Elliott, H. W., M.Sc., M.D., C M. (Neurol.) Lectr.
Kershman, J., M Sc , M D , C M. (Neurol.) Lectr.
8 Demrs.

Obstetrics and Gynæcology

Philpott, N. W., M.D., C.M., F.R.C.O.G., F.A.C.S., F.R.C.S.Can. Prof.
Campbell, A. D., M.D., C.M., F.R.C.S.Can., F.A.C.S., F.R.C.O.G. Assoc. Prof.
Henry, J. S., M.D., C.M., F.A.C.S. Asst. Prof.
Kearns, P. J., M.Sc., M.D., C.M., F.A.C.S. Asst. Prof.
Melhado, G. C., M.D., C.M., F.R.C.O.G., F.A.C.S. Asst. Prof.
Percival, Eleanor S., B.A., M.D., C.M., F.R.C.S.Can. Asst. Prof.

Simpson, G. A., M.D., C.M., F.A.C S. Asst. Prof.

Lecturers

Ayre, J. E., M.D. Alta.
Foote, W. R., B.A. Br. Col., 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.
Patrick, I., B.A., M.D., C M.
Sparling, D W , M D. Tor
Strean, G. J , B.A., M.D., C M., F.A.C S., F.R.C.S Can.
Ward, C. V., B.A. Bishop's, M D , C.M., F.R.C.S.Can., F.A.C.S.
7 Demrs. and 1 Teaching Fellow.

Ophthalmology

Ramsey, G. A. S., B A , M.D., C.M., F.A.C.S. Prof.
Rosenbaum, J. J., M.D., C.M., F.A.C.S. Asst. Prof

Lecturers

Alexander, B , B.Sc , M D., C.M , D.O.M.S.
Johnston, K. B , M D , C M.
Nicholls, J. V. V., B.A., M.Sc., M.D., C.M.
Viger, R. J., M.D., C.M.
4 Demrs.

Oto-Laryngology

Ballon, D. H., B.A., M.D., C.M., F.R.C.S.Can., F.A.C.S. Prof.
Freedman, A. O., M.D., C.M. Asst. Prof.
Hutchison, K., M.D., C.M., F.A.C.S. Asst. Prof.
McNally, W. J., M.D., C.M. Dal., B.A., D.Sc., F.R.C.S.Can. Asst. 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.

Lecturers

Stuart, E. A., M.A. New Br., M.D., C.M., F.R.C.S. Can. and Ed.
2 Demrs.

Pædiatrics

Goldbloom, A., B.A., M.D., C.M , F.R.C.P.Can. Prof
Ross, S. G , D.S O., B.A., M.D., C.M., F.R.C.P. Assoc. Prof.
Geddes, A. K., M.D., C.M. Asst. Prof.
Ross, Alan, M.D., C M. Asst. Prof.
Scriver, Jessie B., B A., M D , C.M., F.R.C.P.Can. Asst. Prof.
Bacal, H. L., M.B.E., B.A., M.D., C.M. Lectr.
Benjamin, B., B.A , M.D., C.M. Lectr.
MacDermot, P. N., M.D , C.M. Lectr.
Worden, E. M., M D. Tor. Lectr.
12 Demrs.

Parasitology, v Macdonald College, *infra*

Pathology

Duff, G. L., B.Sc., M.A., M.D., Ph.D. Tor., F.R.C.S. Dean of Fac. and Strathcona Prof.
Waugh, T. R., B.A. Yale, M.D., C.M. Prof.
More, R. H., M.D. Tor., M.Sc. (Comp. Pathol.) Fraser Assoc. Prof.
McMillan, G. C., M.D., C.M., Ph.D. Asst. Prof.
Pritchard, J. E., M.D. Manit. Asst. Prof.
Toreson, W. E., M.D., C.M. Asst. Prof.
Wilson, D. C., M.D. Tor. Lectr.
Mackenzie, M. B., B.Sc., M.D., C.M. Lectr.
Mathews, W. H., M.D., C.M. Lectr.
Rublee, J. D., B.A. Sask., M.D., C.M. Lectr.

Wiglesworth, F. W., M.D. Manit. Lectr.

3 Demrs.

3 Teaching Fellows.

Pharmacology and Therapeutics

Stehle, R. L., M.A. Ohio State, Ph D. Yale (Pharm.) Prof.

Lewis, D. S., M.Sc., M.D., C.M., F.R.C.P.Can., F.A.C.P. (Pharm.) Assoc. Prof.

Melville, K. I., M.Sc , M D., C.M. (Pharm.) Assoc. Prof.

Beck, I. T , M.D. Geneva.

Scriver, W. de M., B.A., M.D., C.M., F.R.C.P.Can., F.A.C.P. (Pharm.) Lectr.

1 Demr.

Physiology, v. *supra*

Physiotherapy, v. Physiotherapy, *infra*

Psychiatry

Cameron, D. E., M.B., Ch.B., M.D. Glas.
Prof. and Dir., Allan Memorial Inst. of Psychiatry.

Cleghorn, R. A., M.D. Tor., D.Sc. Aberd. Assoc. Prof.

Malmo, R. B., M.A. Missouri, Ph.D. Yale (Psychol.) Assoc. Prof.

Moll, A. E., B.C.L., M.D., C.M. Assoc. Prof.

Prados y Such, M., M.D. Madrid Assoc. Prof.

Silverman, B., M.D., C.M. Assoc. Prof.

Hanson, F., B.Sc. Wisc., M.D. Nebraska Asst. Prof.

Reed, G. E., M.B. Tor. Asst. Prof.

Stern, K., M.D. Frankfort Asst. Prof.

Dancey, T. E., M.D., C.M. Lectr.

Hershon, H., M.D. Geneva, B.Sc. Lectr.

Lehmann, H., M.D. Berlin Lectr.

MacKay, A. A., M.D., C.M. Lectr.

Skitch, C. H., B.A., M.D. Alta. Lectr.

9 Demrs.

Radiology

Peirce, C. B., A.B., M.Sc., M.D. Mich., F.A.C.P., F.A.A.A.S. Prof.

McKay, J. W., M.D., C.M. Assoc. Prof.

Bouchard, J. J L., M.D. Laval, D.M.R.E. Camb Asst. Prof.

McRae, D. L., M D. W. Ont. Asst. Prof.

4 Demrs.

Surgery

Miller, G. G., M.Sc., M D., C.M., F.R.C.S.Can., F.A.C.S. Prof.

Fitzgerald, R R , B.Sc., M.D., C M., F.R.C.S. Eng. and Can. Prof.

Assoc. Profs.

Armour, J. C., M.Sc., M.D., C.M.

Elder, H. M., C.B.E., D.S.O., M.D., C.M.

Ross, D. E., M.Sc., M.D., C.M., F.A.C.S.

Wilkie, A. L., B.A. St. F. X., M.D., C.M.

Clin. Prof.

Smith, E. S., M.D., C.M., F.R.C.S. Can., F.A.C.S.

Asst. Profs.

Dawson, H. L., B.A., M.D., C.M.

Gardner, C. M., M.D., C.M., F.R.C.S. Eng. and Can.

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.

Martin, S. J., M.D., C.M., F.R.C.S. Ed. and Can.

Morton, H. S., B.A., M.Sc. Dal., M.B., B.S. Lond., F.R.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.

Ross, Albert, M.C., B.A. Dal., M.D., C.M., F A.C S
Rowe, P. G., B.Sc., M.D., C.M., F.R.C.S.Can.
Shannon, J. G., M.D. Tor., F.A.C S.
Stewart, A J., M.D., C.M., F.R C.S Can., F.A.C S.

Lecturers

Baxter, H. A., M.Sc., M.D., C.M., D.D.S
Baxter, S. G., M D , C M., Ph D., M Sc
Dolan, H. S., B.A., M.D., C.M. Dal., F A C S.
Gerrie, J W , B A , D D S. Alta , M D., C.M., D.L O
Kaufman, M., M.D , C M.
MacKenzie, D W. (Jr), M.A. Camb., M.D., C.M , D Sc. Col.
McNaughton, E. A , M D., C M., F.R.C.S.Can.
Pretty, H. G., M D , C.M.
Reid, R. G., M.D., C.M.
Vineberg, A M., M Sc., M.D., C.M., Ph.D.
Webster, D. R., B.A., M.D., C M. Dal., M.Sc., Ph D. (Exper.).
25 Demrs.

Therapeutics, v. Pharmacol. and Therap., *supra*

Toxicology and Medical Jurisprudence

Rabinowitch, I. M., O.B.E., M.D., C.M., D.Sc., F.R.C.P Can., F.A.C.P. Lectr.

Urology

Hawthorne, A. B., B.A., M.D., C.M. Lectr.
MacDonald, S. A., B.A., M.B., Ch.B. Edin. Lectr.
Seng, M. I., M.D., C.M., F.R.C.S. Can. Lectr.

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. Prof.
Gerrie, J. W., B.A., D.D.S. Alta., M.D., C.M., D.L.O. Assoc. Prof.
Kaufman, J., M.D., C.M., F.R.C.P. Can. Assoc. Prof.
Leahy, W. G., B.Sc. Laval, D.D.S. Assoc. Prof.
McCutcheon, J., M.Sc. Mich., B.A., D.D S. Assoc Prof.
Racey, A. G., D.D.S. Assoc. Prof.
Dagg, R. E., D.D.S., L.D.S. Asst. Prof.
Donigan, M. L., D.D.S. Asst. Prof.
Johnston, W. J., D.D.S. Asst. Prof.
Marchand, P. R., D.D.S Asst. Prof.
McMahon, R. E., D.D.S. Asst. Prof.
Walford, W. F., D.D.S. Asst. Prof.
Abraham, J. W., D.D.S. Lectr.
Brown, N., B.A., M.D., C.M. Lectr.
Cameron, A. F., D.D.S. Lectr.
Carver, J. K., D.D.S., F.I.C.D. Lectr.
Couper, W. M., B.Sc , M.D , C.M., F.R.C.S. Ed. and Can. Lectr.
Earle, J. M., B.Sc., D.D.S. Lectr.
Gitnick, P. J., D.D.S. Lectr.
Gordon, D. C., B.Sc. Acad., D.D.S. Lectr.
Guilboard, T. I., B.A. Loyola, D.D.S. Lectr.
Halpenny, G. W., B.Sc., M.D , C.M., F.R.C.P.Can. Lectr.
Henry, D. W., B.A. Bishop's, D.D.S. Lectr.
Johnson, W. A., B.A., B.C.L. Lectr.
Laurin, E. M., D.D.S. Lectr.
Mitchell, A. W., D.D.S. Lectr.
Moore, C. H. P., D.D.S. Lectr.
Richardson, A. D., D.D.S. Lectr.
Rosen, L. J., D.D.S. Lectr.
Smaill, S. S., D.D.S. Lectr.

Stewart, R. C., B.Sc., M.D., C.M. Lectr.
Stockwell, W. G., D.D.S. Lectr.
Walsh, C. T., B.Sc., D.D.S. Lectr.
Winn, A. R., B.Sc., D.D.S. Lectr.
37 Pt-time Demrs.

Prosthetic D.

Bushell, W. C., D.D.S. Prof.

Music

Clarke, D., Mus.B, M.A. Camb., F.R.C.O., F.R.C.M.
Dean of Fac., Dir. of Conservatorium and Prof.
Anhalt, I. Asst. Prof.
Brott, A, L.Mus. Asst. Prof
Duchow, M., B.A., Mus.Bac. New York Asst. Prof.
Bizony, Celia Lectr.
Timmermann, E. D., B.Sc. Lectr.
Tupper, R. de H. Lectr.
16 Instrs.

School for Graduate Nurses

Lindeburgh, Marion, O.B.E., B.Sc., M.A. Col.
Director of School and Assoc. Prof.
Peverley, Ann Asst. Prof.
Holder, Janet M., B.N. Lectr.
Logan, Elizabeth, B.Sc. Acadia, M.N. Yale (Pædiatrics) Lectr.
McPherson, Ruth M. Lectr.
Ogilvie, Elsie C. Lectr.
1 Instr.

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.
Munroe, Iveagh, B.Sc., M.A. Col.
Dir. of Athletics for Women and Assoc. Prof.
Van Wagner, F. M., B.P.E. Springfield Assoc. Prof.
Finlay, H. Asst. Prof.
Orlick, E., B.A. W. Ont., B Sc. (Phys. Ed.) Springfield, M.A. Asst. Prof.
Ryan, H. R., B A. Acadia, B.P.E. Springfield Asst. Prof.
Wagner, Thelma, B.Sc., M.A. New York Asst. Prof.
Wood, Winona, B.A., B Ed. Sask., M.A. Col. Asst. Prof.
Bean, Gladys, B A. Asst Prof
Crutchlow, E. F., B.A., M.D., C.M. Lectr.
Wilkinson, R. E., B Sc. (Phys. Ed.) Lectr.
1 Instr.

Physiotherapy

Fisk, G. H, B A., M.D, C.M., D.T.M and H.
Director and Lectr.
Nicholson, Helen M.
Asst. Dir. and Lectr.
Riddell, Sheila S. Lectr.
(Instruction is given by members of the Fac. of Medicine, Sch. for Graduate Nurses, and Sch. of Physical Educ.)
4 Demrs.

Social Work

King, Dorothy, O.B.E., B.Sc., M.A., Dipl. N.Y. Sch. Soc. Work Dir. and Assoc. Prof.
Aikin, Dorothy, B.A., Dipl. Soc. Work Asst. Prof.
Elledge, Caroline H., Ph.B. Chic. Asst. Prof.
Judkins, Barbara E., A.B. Smith, M.S. Columbia Asst. Prof.
Younge, Eva R., B.A. Alta., M.A. Asst. Prof.
Zaloha, Anne B., Ph.B. Chic., M.A. Northwestern Asst. Prof.
1 Supervisor of Field Work.

MACDONALD COLLEGE

Vice-Principal and Dean of the Fac. of Agric.—W. H. Brittain, M.S. (Agr.), Ph.D. Corn., D.Sc. Br.Col., B.S.A., F.A.I., F.R.S.C.

Agriculture

Agricultural Bacteriology

Gray, P. H. H., M.A. Oxon., D.Sc. Lond — Assoc. Prof.
Thatcher, F. S., B.S.A., M Sc, Ph.D. — Asst. Prof.

Agricultural Chemistry

Common, R. H., B Sc., M Agr. Belf., Ph.D., D.Sc. Lond. — Prof.
De Long, W. A., B.S.A. Tor., Ph.D. Minn., M.Sc, F.C I.C. — Assoc. Prof.
Baker, B. E., B.Sc. (Agr.) Bishop's, Ph.D. Laval — Asst. Prof.
Coldwell, B.B., B.Sc. (Agr.) — Lectr.
13 Demrs and 1 Instr.

Agricultural Economics

MacFarlane, D. L., B S.A., M.Sc. Sask., Ph.D. Minnesota — Prof.
Burton, G. L., M.A. Alta., Ph.D. Iowa State — Prof.

Agricultural Engineering

Heimpel, L. G., B.S.A. Tor., M.S. Corn. — Prof.
Cooper, J. H., B.Sc. (Agr.) — Asst. Prof.
Malloch, A. C., B.Sc. Qu. — Asst. Prof.
1 Asst.

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.
13 Demrs.

Agronomy

Raymond, L. C., M.S. Wisc., B.S.A. — Prof.
Lods, E. A., M.S.A., D. ès S. Montr. — Assoc. Prof.
Brawn, R. L., B.S. Penn. State — Asst. Prof.
Steppler, H. A., B.Sc. Agr. Manit., M.Sc. — Asst. Prof.
1 Asst.

Animal Husbandry

Ness, A. R, B S A — Prof.
Hamilton, L. H., B.S A. Tor., M.S. Wisc. — Assoc Prof
Moxley, J. E., B.Sc. (Agr.) — Lectr.

Animal Nutrition

Crampton, E. W., B.S. Conn., M.S. Iowa, Ph.D. Cornell, F.R C.S, F.C.I.C. — Prof.
Ashton, G. C., B.S.A. Tor, M.Sc. — Asst. Prof.

Animal Pathology

House, D., D.V.M. Tor. — Lectr.

English

Avison, H. R. C., M.A. — Assoc. Prof.

Entomology

Brittain, W. H., M.S. (Agr.), Ph.D. Corn., D.Sc. Br. Col., B S.A., F.A.I., F.R.S.C. — 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.
Whitehead, W. E., M.Sc. — Asst. Prof.
3 Demrs.

Horticulture

Murray, H. R., B.S.A. Tor., M.Sc. Corn. — Assoc. Prof.
David, J., L.S.A. Montr., Ph.D. Cal. — Asst. Prof.
Nussey, A. N., B.Sc. (Agr.) — Asst. Prof.

Pettit, D. W. Lectr.
1 Asst.

Plant Pathology

Coulson, J. G., M.A. Qu., D.Sc. Montr. Prof.
Ludwig, R. A., M.Sc. Alta., Ph.D. Assoc. Prof.
Callen, E. O., B.Sc., Ph.D. Edin. Asst. Prof.
3 Assts.

Poultry Husbandry

Maw, W. A., M.S A. Assoc. Prof.
Nikolaiczuk, N., M.Sc. Alta. Assoc. Prof.

Institute of Parasitology

Cameron, T. W. M., T D., M.A., D.Sc. Edin., Ph D. Lond., F.R.S.C. Director and Prof.
Miller, M. J., B Sc. Sask., Ph.D. Tulane, M.D. Qu., M.Sc. Assoc. Prof.
Fairbairn, D., B.A. Qu., Ph.D. Rochester Asst. Prof.
Choquette, L., D.V.M. Montr. Lectr.
Munroe, E. G., M.Sc., Ph.D. Cornell Lectr.
4 Demrs.

Household Science

Neilson, Helen R., B.H.S., M.Sc. Dir. and Assoc. Prof.
Farmer, Florence A., B.H.S., M.Sc., Ph.D. (Nutrition) Asst. Prof.
Honey, F. Isabel, M.A. Tor. (Home Econ.) Asst. Prof.

Lecturers

Brundrett, Doris S., B.Sc.
Devereaux, Helen L., M.A. Tor.
Guilford, Marjorie J., B.Sc. Manit. (Home Econ.)
Jenkins, Marjorie M., B.Sc. (H. Ec.) Alta.
Stickwood, Alice M., B.S., M.A. Col.
Trapp, Margaret A., M.A. Columbia, B.Sc.
Wilson, Vera O., M.A. (H. Ec.) Tor.
1 Demr.

Teachers, School for

Munroe, D. C., M.A. Director and Prof. of Educn.
Hall, C. W., M.A. Bishop's Assoc. Prof.
Hanson, F. K., Mus.D. (Music) Asst. Prof.
Henry, A. M., B.A. Lond., M.A. (Educn.) Asst. Prof.
Steeves, W. A., B.A. Acadia, Ed.M. Harv. (Maths.) Asst. Prof.

Lecturers

Hamilton, J. W., B.A. Tor.
Jacques, A. Elizabeth.
Stewart, Blanche.
Woodburn, Rachel E. L., B.A. Qu., M.A. Middleburg.
Doxsee, Rev. F. A. C., B.A. Tor. and Oxon. (Relig. Instruction) Hon. Lectr.
Whitley, Rev. Canon F. L., M.A. Bishop's, L.Th. (Relig. Instruction) Hon. Lectr.
1 Instr.

AFFILIATED INSTITUTIONS

Acadia, Alberta, Mt. Allison, and St. Francis Xavier Univs. Students who have completed the 2-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.

Truro Agricultural College. 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., and MEMORIAL UNIVERSITY OF NEWFOUNDLAND. 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. Principal, Rev. W. A. Ferguson, M.A., B.D.

PRESBYTERIAN COLLEGE, MONTREAL. Principal, Rev. Robert Lennox M.A., Th.B., D.D.

UNITED THEOLOGICAL COLLEGE, MONTREAL. Principal, Rev. George G. D Kilpatrick, B.A., D.D.

GENERAL INFORMATION

Established in 1821 by Royal Charter. For early history and constitution, *see Yearbook* for 1929. Income from Investments, about $1,100,000.

EQUIPMENT. *Libraries*: General, 640,000 vols. (incl. Macdonald Agric. Coll. library); Medical, 70,000 vols. Special collections: Blackader Library of Archit.; Blacker Library of Zool.; Lyman Collection of Entomol.; Osler Library of the Hist. of Science (12,000 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, Pulp and Paper, Psychiatry, Indust. Relns. *Farm*, Live Stock and Grain, 876 acres. *Astron. Observatory. Medical Museum* (Strathcona), collection on disturbances of heart and vascular system and aneurisms. *Redpath Museum* (botanical, geological, and zoological collections). Ethnological, Library, McCord (Canadiana) Museums. *Hospls.* available for clinics, 2000 beds in affiliated hospitals.

FACULTIES AND DEANS. *Arts and Science*—H. N. Fieldhouse; *Law*—A. S. Bruneau; *Medicine*—G. L. Duff; *Engin.*—(Archit., and 7 branches of Engin. —Chem., Civil, Elect., Mech., Metall., Mining., Engin. Physics)—J. J. O'Neill; *Agric.*—W. H. Brittain; *Dentistry*—D. P. Mowry; *Music*—Douglas Clarke; *Divinity*—J. S. Thomson; *Graduate Studies and Research*—D. L. Thomson.

SCHOOLS AND DIRECTORS. *Archit.*—John Bland; *Commerce*—H. D. Woods; *Household Science*—Helen Neilson; *Library Science*—Vernon Ross; *Nursing*—Marion Lindeburgh; *Physical Education*—J. B. Kirkpatrick; *Physiotherapy*—G. H. Fisk; *Social Work*—J. J. O. Moore (1950–51); *Teachers* —D. C. Munroe.

ADMISSION. The matriculation examns. of the Canadian provinces and the British School Certificates giving exemption from London Matricn. qualify in general for admission to the first year of Arts and Science, Engineering, and some other faculties. Additional Univ. work is required for still other faculties, *e.g.* Dentistry, 2 yrs. 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.

DEGREE COURSES. Mus.B., 3 yrs.; B.A., B.Com., B.Sc., B.Sc. (Agr.), B.Sc. (H. Ec.), B.Sc. (Phys. Ed.), B.F.A. (Fine Arts), 4 yrs.; B.Eng., 5 yrs.;

B.Arch., D.D.S., 6 yrs.; B.L.S. (Library Science), B.S.W. (Social Work), 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), 7 yrs.

HIGHER DEGREES. M.A., M.Com., M.C.L., M.Sc., M.Eng., M.Arch., M.S.W., M.Sc. (Appl.), M.S.T. (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 Nurses, 1 yr.; L.Mus., 3 yrs.; Physiotherapy, 3 yrs. Postgraduate—D.P.H., D.T.M., 1 yr., and Teachers (awarded by Province of Quebec), 1 yr. Postgraduate diplomas are also awarded in the Fac. of Medicine in each of the clinical specialities, 3 yrs.

ATTENDANCE at lectures at the Univ. is indispensable for a degree or diploma, except in Music.

DIPLOMA COURSE IN AGRICULTURE. The Diploma Course in the Faculty of Agriculture consists of two sessions of five months each (November to March inclusive). Closely connected with this course is the " Old Country boy " project, under which boys from the British Islands 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.

SUMMER SCHOOLS. In French, in Geography, and in Town Planning.

FEES (1949–50). Yearly tuition: Arts, $250; Sci., $300; Fine Arts, $275; Engin., $325; Med., $450; Dent., $350; Law, $275; Divinity, $250; Music, $250; Library School, $285; Commerce, $275; Physical Educ., $275; Social Work, $275; School for Grad. Nurses (Diploma Course), $210, (Degree Course), $260; Physiotherapy, $275. Graduate Faculty yearly tuition fees: Full-time required study in residence, $200; resident study beyond minimum period, $25; non-resident registration, $10; for D.C.L. and Mus.D. only, combined registration and graduation fee, $100.

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. (301 students), $610-$635 p.a.; McLennan Hall (28 students), $540-$635 p.a. Men: Douglas Hall (147 students), $600-$700 p.a., depending on course; Wilson Hall (71 students), $595-$625 p.a., depending on course II. 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 following sports: *For men*: Canadian and English Rugby Football, Association Football, Ice-Hockey, Basketball, Track, Swimming, Gymnastics, Boxing, Wrestling, Fencing, Skiing, Tennis. *For women*: Gymnastics, Dancing, Badminton, Swimming, Volleyball, Basketball, 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.A., B.Sc. Oxon., Dulwich College, London, S.E.21.

PUBLICATIONS. *Calendar* (October); *General Announcement* (for intending students) (May); *Faculty and School Announcements* (May to August); *Directory of Staff* (February); *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; *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 1948–49

BENEFACTIONS. $6,921,000.

NEW BUILDINGS. Eaton Electronics Lab., Swimming Pool, and extension to Gymnasium. Chancellor Day Hall (formerly Ross House) converted from a men's residence to house the Fac. of Law and Dept. of Psychol. Large bldg. (formerly office of Internat. Labour Office) acquired by Univ. for Fac. of Music and Dept. of Fine Arts. Bldg. of Physical Sciences Centre and extension to Redpath Library begun. Dawson Coll. and Peterson Residences (temp. quarters to accommodate ex-Service students) closed.

NEW DEGREES. M.Sc. Applied., M.S.T., D.Sc. Applied.

RETIREMENTS. Dean S. Laird (School for Teachers); Prof. J. E. Lattimer (Agricultural Econs.); Prof. R. E. Powell (Surgery); Prof. A. S. Lamb (Physical Educn.).

RESIGNATIONS. Asst. Prof. Frances Alexander (Psych.); Assoc. Prof. J. M. Blackburn (Psych.); Asst. Prof. Madeleine Bodier (French); Asst. Prof. H. A. Elliot (Maths.); Dean G. H. Fauteux (Law); Assoc. Prof. Forrest Laviolette (Soc.); Asst. Prof. J. R. Mackay (Geog.); Assoc. Prof. R. H. Mankiewicz (Econ.); Assoc. Prof. J. B. Rollit (Econ.); Asst. Prof. H. E. Rosvold (Psych.); Assoc. Prof. H. M. Tornehave (Maths.).

DEATHS. Dr. R. St. J. MacDonald (Public Health); Prof. J. P. Day (Econs.); Prof. E. Brown (Civil Engin.); Dean F. Smith (Bacteriol.).

HONORARY DEGREES. *LL.D.*—H. F. Angus, Hd. of Dept. of Economics and Political Science, Univ. of British Columbia; P. Banerjee, Vice-Chancellor, Univ. of Calcutta; D. B. Copland, Vice-Chancellor, Australian Nat. Univ.; Lillian M. Penson, Vice-Chancellor, Univ. of London. *D.Sc.*—F. P. Rous, Member Emeritus of the Rockefeller Inst. for Med. Research. *D.C.L.*—D. Hughes Parry, Director of Univ. of London Inst. of Advanced Legal Studies;

L. S. St. Laurent, Prime Minister of Canada. *D.Litt.*—E. J. Pratt, Prof. of English Literature, Univ. of Toronto; Field-Marshal the Rt. Hon. Earl Wavell of Cirenaica and of Winchester. *Mus.D.*—Sir Thomas Beecham.

STUDENTS. Total: 8240; full-time: 7735; pt.-time: 505; the total includes 2123 women, 622 postgraduates, and 3113 ex-Service students.

DEGREES. B.A., 329; M.A., 43; B.C.L., 67; B.Sc., 308; M.Sc., 75; B.Sc. (Agr.), 119; B.Sc. (Phys. Ed.), 38; B.Sc. (H. Ec.), 31; B.Arch., 2; B.Eng., 315; M.Eng., 13; M.D., C.M., 128; D.D.S., 34; B.Com., 249; B.L.S., 39; B.S.W., 31; M.S.W., 19; Ph.D., 70.

DIPLOMAS. Grad. Nurses, 73; Music (L.Mus.), 4; Tropical Med. (D.T.M.), 1; Public Health (D.P.H.), 1; Grad. Dip. in Med., 22; Physiotherapy, 7.

MACDONALD COLLEGE DIPLOMAS. Agriculture, 23; Homemakers, 23.

McMASTER UNIVERSITY

HAMILTON, ONTARIO

Founded 1887

CHANCELLOR—E C. FOX, LL.D.

PRESIDENT AND VICE-CHANCELLOR—GEORGE PEEL GILMOUR, M A. Yale, D.D Vict., D.C L. Acad., B.A., B D.

REGISTRAR—HAROLD E. BRIDGE, B.A., B.Th.

PRINCIPAL, HAMILTON COLLEGE—H G. THODE, M.Sc Sask., Ph D. Chic., F.R S.C.

DEANS—*Arts and Science*—Prof. H. S. ARMSTRONG, M A. Tor , Ph.D. Chic ; *School of Divinity*—Prof. H. S STEWART, B.A. Harv. and Roch., D.D. Roch.

BURSAR—W. N. PATERSON, B.A.

LIBRARIAN—MARGET H. C. MEIKLEHAM, M.A.L.S. Mich., B.A.

DIRECTOR OF PLACEMENT AND GUIDANCE—J. E. ANDOFF, B.A.

TEACHING STAFF

UNIVERSITY COLLEGE

Classics

Stearn, C. H., M.A. Camb., B.D. Lond., Ph.D. Tor. Prof.
Salmon, E. T., B.A. Syd., M.A., Ph D. Camb. Prof
Thomson, Margaret H., M.A. Tor. Sessl. Lectr.
Kikauka, P., D.Phil. Tartu, Riga Sp. Lectr.

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. Lectr.
Murphy, Mrs. Dorothy S., B.A. Tor., M.A. Oxon. Lectr.

French, v. Romance Languages

German

Martin, A. P., B.A. Brown, M.A., Ph.D. Wisc. Prof.
Muller-Guggenbuhl, F., Dr. Phil. Zurich Asst. Prof.
Stock, Marie, B A. Qu , M.A McG. Asst. Prof.
Crichton, Mary C , B A. Tor. Sessl. Lectr.

History

New, C. W., B.A. Tor., Ph.D. Chic , B.D , F.R.Hist S , F.R S C. Prof.
Macdonald, N., B.A. Qu., M.A. Harv., Ph.D. Edin., F.R.Hist.S. Prof.
Salmon, E. T., B.A. Syd , M.A , Ph.D. Camb. (Ancient H.) Prof.
McCready, H. W., M.A. Tor. Asst. Prof.
French, G. S., M.A. Tor. Lectr.
Zack, M.R., M.A. Instr.

Philosophy, Psychology and Ethics

Waters, F. W., Ph.D. Yale, B.A., B.D. Prof.

Dulmage, H. A., B.A., B.D. Asst. Prof.
Jury, G. S., M.A., Ph.D. Yale, B.A. Sp. Lectr.

Political Economy

Graham, J. E. L., M.A., B.Litt. Oxon., B.A. 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. Assoc. Prof.
Loosemore, R. J., B.A. Manc. Asst. Prof 1949–50.
Osborne, J. E., M.A. Tor., B.A. Lectr. 1949–50.
Soule, H., B.A. Sp. Lectr.
Dixon, H C., B Com Tor. Sp. Lectr.
Robinson, Betty B., A M. Duke, B.A. Res. Asst

Romance Languages

Patrick, A. W., M.A. Manit., D. de l'U. Paris Prof.
Freeman, H. A., B.A. Sask., M.A. Tor. Prof.
Bronner, F. J. L., B.A. Qu., M.A. McG., Ph.D. Ottawa Asst. Prof.
Stock, Marie, B.A. Qu., M.A. McG. Asst. Prof.
Hampel, L. E., M.A. Tor. Sessl. Lectr.
Peterson, H., M.A. Tor. Sessl. Lectr.
Jackman, Mrs. May, M.A. McG. Sessl. Instr.

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. Asst. Prof.
MacClement, W. D., B.A. Qu., Ph.D. Camb. Sessl. Lectr.
Laking, L., B.S.A. Ont. Agr. Coll. Sp. Lectr.

Chemistry

Thode, H. G., M.Sc. Sask., Ph.D. Chic., F.R.S.C. Prof.
Cragg, L. H., M.A., Ph.D. Tor. Assoc. Prof.
Graham, R. P., M.A. Qu. and Col., Ph.D. Col. Assoc. Prof.
Bourns, A. N., B.Sc. Acadia, Ph.D. McG. Assoc. Prof.
Hutcheon, A., M.A. Sask., Ph.D. McG. Lectr.
Starke, K. W. E., Dr. Phil. Berlin, Dr. Phil. Habil. Munich Res. Assoc.

Geography and Anthropology

Watson, J. W., M.A. Edin., Ph.D. Tor. Prof.
Reeds, L. G., M.A. Tor. Asst. Prof.
Ruggles, R. I., B.A. Tor., M.A. Syracuse Sessl. Lectr.
Watson, Mrs. Jessie, M.A. Edin. Sessl. Lectr. 1949–50.
Shindman, B., B.A. Tor. Sp. Lectr.

Geology

Armstrong, H. S., M.A. Tor., Ph.D. Chic. Prof., Actg. Dean (Arts and Sci.).
Scott, H. S., M.A.Sc. Tor. Asst. Prof.
Beales, F. W., M.A. Camb., F.G.S. Sessl. Lectr.
Shaw, D. M., M.A. Camb. Sessl. Lectr.

Mathematics

Findlay, W., Ph.D. Chic., M.A. Prof. Emeritus.
Johns, A. E., M.A., Ph.D. Tor. Prof.
Bankier, J. D., M.A. Qu., Ph.D. Rice Assoc. Prof.

Britton, F. R., B.Sc. Wales, M.A. Sessl. Lectr.
McCallion, W. J., M A. Lectr.

Nursing Education

Reid, Alma E., B.A Tor Lectr
Pinchbeck, Marjorie, B.N. McG. Lectr.
Alderson, Henrietta J., B.Sc. Col. Lectr.
Blakelock, Betty Asst. Instr. 1949–50.

Physics

Dawes, H. F., M.A., Ph.D. Tor., F.R.S.C. Prof. Emeritus.
McLay, A. B., M.A., Ph.D. Tor., B.A., F.R.S.C. Prof.
Johns, M. W., Ph.D. Tor., M.A. Assoc. Prof.
Gulbis, F., M.Sc. Petrograd and Riga Assoc. Prof. 1949–50.
Scott, Mrs Violet, B.A. Demr.

Zoology

Warren, A. E., B.A Acad , Ph D. Harv. Prof.
Judd, W. W., M A. W. Ont., Ph.D. Tor., B.A. Asst. Prof.
Kleerekoper, H., M.A. Mich. Sessl. Lectr.

School of Divinity

Church History

Albaugh, G. P., B.A. Ohio State, B.D. Colg-Roch. Assoc. Prof.

Hebrew and Old Test. Interpretation

Parker, N. H., B.S. Miss., Th.D., South. Bap. Th Sem. Prof.

Home Nursing

Bates, Mrs. Marion S., B.A. Sp. Lectr.

Leadership Training

Tupper, Lois A., B.A., B.Ed. Sask., M.A. Col. Dir. Leadership Trg. Sch.
Bates, Mrs. Marion, B.A. Sp. Lectr. in Practical Nursing.

Missions and Religious Education

Kitchen, L. C., Ph.D. Hartfd., M.A. Asst. Prof., Dir. of Field Work for Divinity Students.

New Testament Interpretation

Lang, H. W., S.T.M. Union, M A., B.D. Prof.

Practical Theology

Stewart, H. S , B.A. Harv. and Roch., D.D. Roch. Prof., Dean of School of Divinity.

Speech

Bullen, F., B.A. Sp. Lectr.

Theology

Aldwinckle, R. F., B.A. Lond. and Oxon., D.Th. Strasbourg Asst. Prof.

Physical Education

Wynne, I., M.S. (Ed.) Syracuse, B.A. Director.
Prince, L. A. Asst. Dir.
Christie, Joan M., B.P.H.E. Tor. Asst. Dir.

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 from and 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.

LIBRARY, 71,000 vols. 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.

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.

HIGHER DEGREES. M.A., 1 yr. minimum after B.A.; M.Sc., 1 yr. minimum after B.Sc.; B.D., 3 yrs.' course after B.A.; Ph.D., 3 yrs. minimum after B.Sc. in Chem. and Bot. only.

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 Training Division offers a programme for the training of potential officers of the Royal Canadian Navy (Reserve). The training programme is planned for advancement of a trainee

to a Cadet R.C.N. (R.) in the middle of the first yr., and for promotion to a Commissioned Officer on graduation with the rank of Sub-Lieutenant, R.C.N. (R.). The Univ. Contingent Canadian Officers' Training Corps qualifies selected Univ. undergraduates for a commission, on graduation, in the Canadian Army.

FEES. Annual, including organization and athletic—Arts $234, Science $269, Theology $80.50.

RESIDENCE. For men, consists of 2 bldgs. Edwards Hall has accommodation for about 100 beds; North Edwards for 30. Rates $455. For women, consists of 3 bldgs., Wallingford Hall, West Wallingford, and the Eleanor McKay House, accommodating in all 135 students. Rates $471

DEPARTMENT OF UNIVERSITY EXTENSION. Director—Prof. C. H. Stearn. From originally providing facilities for teachers to obtain their Arts degree by attendance at Evening Classes and Summer School, the Dept. of Univ. Extension has spread its activities to include the provision of any kind of adult educational services for which there is a public demand and for which approved lecturers can be provided. A wide range of work is offered which may be summarized as follows: (*a*) subjects taken for academic credit toward a B.A. degree, or toward the fulfilment of requirements for the Teachers' Permanent First Class Certificate, or toward the Vocational Guidance Diploma; (*b*) subjects taken toward fulfilment of requirements for the R.I.A. degree. The Dept. maintains a number of outside centres at which the regular academic courses are made available to candidates for the above certifications.

In addition to the formal academic courses, a wide variety of classes, mainly in the cultural field, is offered to adults who attend for interest's sake. 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.

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 1948–49

BENEFACTIONS. $5000 from Miss E. I. Angus of Hamilton for a scholp. fund in the Pre-Medical Course; $17,000 from Hamilton Citizens' Committee for War Services, to be gradually exhausted by awards to children of men killed or disabled in World War II; $6000 from Miss A. M. Williams of Port Colborne, to found the Emanuel Williams Scholp. in Physics; $25,000 from Sir Douglas Alexander of New York City to enlarge the A. G. Alexander Scholp. Fund; $5088 by bequest from John S. Lothian, Vankleek Hill, to aid ministerial students; $7300 from the estate of E. Frank Wright of Toronto, to found a scholp. and to add to the Univ.'s building fund.

OTHER DEVELOPMENTS. Pre-Engineering Yr. discontinued until further notice. Hamilton Coll. brought into legal and financial operation during the session, with the Sci. depts. transferred to the administration of its independent board. Adult educn., chiefly in the form of non-credit courses in extension dept. and summer school, involved 953 persons.

RETIREMENT. E. J. Bengough, Sec. of Senate.

RESIGNATIONS. Miss Gladys Sharpe, Director of Nursing Educn., to return to hospl. administration; J. W. Spurr, Librarian, to become Librarian at the Royal Military College.

DEATH. C. E. Burke, Dean of Arts and Science and first Dean of Hamilton College.

HONORARY DEGREES. October 22: *D.Litt.*—Sir Ernest MacMillan, eminent musician. May 16: *LL.D.*—Rt. Rev. L. W. B. Broughall, Bishop of Niagara; H. L. Keenleyside, Deputy Minister of Mines and Resources, Ottawa; Mrs. R. J. Marshall (McM. Alumna), leader in women's work, and in the Baptist Convention of Ontario and Quebec, Toronto; John Walton, Regius Prof. of Botany, Univ. of Glasgow; J. H. Cranston (McM. Alumnus), editor and journalist, Midland. *D.Sc.*—C. E. Burke (McM. Alumnus), Prof. of Chem. and Dean of Hamilton College, McMaster Univ. *D.D.*—Rev. R. A. Burkhart, minister of First Community Church, Columbus, Ohio.

STUDENTS. Total: 1158; full-time arts and science: 1055; pt.-time: 17; Divinity School: 45; postgraduate: 41. The total includes 342 women. In addition, the Dept. of Extension and the Summer School had 408 students.

DEGREES. B D., 11; B.A., 210; M.A., 5; B.Sc., 33; M.Sc., 8; B.Sc.N., 5.

DIPLOMAS. Vocational Guidance, 1; Certificate in Theology, 1; Women's Leadership Training School, 8.

THE UNIVERSITY OF MANITOBA

WINNIPEG

Founded 1877

CHAIRMAN OF THE BOARD OF GOVERNORS—W. J. PARKER, B.S.A.

CHANCELLOR—The Hon. A. K. DYSART, M.A., LL D.

VICE-CHANCELLOR AND PRESIDENT—A. H. S. GILLSON, O.B.E., M.A Camb., LL.D. McG., LL.D.

REGISTRAR—DOUGLAS CHEVRIER, B.A.

ASSISTANT REGISTRAR—ROBERT C. ARMATAGE, B.A.

COMPTROLLER AND SECRETARY OF BOARD OF GOVERNORS—F. W. CRAWFORD, B.S.A.

LIBRARIAN—ELIZABETH DAFOE, B.A.

DEAN OF WOMEN—MARJORIE MACKAY, B.A.

TEACHING STAFF

Actuarial Science

Ritcey, L. F. S., B.A. Mt. Allison, M.A. Harv., Ph.D. Chic. Prof.
Oakland, G. B., B.A. Sask., M A. Minn. (Statistics) Assoc. Prof.
Crofts, G., B.Com. Asst. Prof.
Butcher, R. W., M.A. Qu. Lectr.

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.
Monie, I. W., M.B., Ch.B. Glas. Asst. Prof.
Klass, A. A., B.A., M.D., F.R.C.S. Ed. and Can. Lectr.
Sigurdson, L. A., M.A., M.D. Lectr.
Wheeler, D., M.A., M.D., C.M., F.F.R. (X-ray) Lectr.
1 Teaching Fellow.

Architecture and Interior Design

Russell, J. A., B.Sc. (Arch.), M.Arch. Mass. Inst. Tech. Director of School, Prof.
Sellors, R., M.Arch. Mass Inst. Tech., B.Arch. Assoc. Prof.
Elarth, H. A., M.Sc. (Arch.) Illinois Assoc. Prof.
Chrabaszcz, J. J., B.F.A. Syracuse Asst. Prof.
Gerson, W. Asst. Prof.
Donahue, A. J., B.Arch. Minnesota, M.Arch. Harv. Asst. Prof.
Dunklee, D. L., B.Arch. N Y Asst. Prof.
Graham, J. W., B.Arch. Asst. Prof.
Harland, Joan M., B.Arch. Asst. Prof.
Kostka, V. J., Ing. Arch. Prague Asst. Prof.
Feldsted, Carol J., M.F.A. Art Inst. Chic. Lectr.
Thrift, E. W., M.Arch. Mass. Inst. Tech., B.Arch. Lectr.
Elarth, Wilhelmina V. I., M.F.A. Vassar, Ph.D. Radcliffe Sp. Lectr.
Carrothers, G. A. P., B.Arch. Sp. Lectr.
Trott, W., B.Sc. (E.E.) Sp. Lectr.

Astronomy, v. Maths.

Biochemistry

White, F. D., Ph.D. Edin., F.R.I.C., F.C.I.C. Hd. of Dept., Prof.
Coleman, I. W., B.A. Tor. Lectr.
Delory, G. E., M.Sc., Ph.D. Lond. Asst.

Botany

Leach, W., M.Sc. Manc., Ph.D., D.Sc. Birm., F.R.S.C. Hd. of Dept. and Prof.
Lowe, C. W., M.Sc. Birm. Assoc. Prof.
Carrick, J., B.Sc. Glas. Lectr.
1 Graduate Asst.

Chemistry

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. and Prof.
Hiebert, P. G., M A. Tor., M.Sc., Ph.D. McG., B A., F.C.I.C. Assoc. Prof.
Robinson, A. D., M.A. Sask., Ph.D. Minn. Assoc. Prof.
Charlesworth, E. H., M.A. Qu., D.Phil. Oxon., F.C.I.C. Assoc. Prof.
Smith, N. O., Ph.D. New York, M.Sc. Assoc. Prof.
Funt, B. L., M.Sc. Dal., Ph.D. McG. Asst. Prof.
Stevenson, D. A. B., M.Sc. Sask. Asst. Prof.
Loudfoot, J. H., B.Sc. Glas. Lectr.
Koop, J., B.Sc. Lectr.
2 Graduate Assts.

Classics

Johnson, Skuli, M.A. Prof.
Hugill, W. M., B.A. Tor., Ph.D. Chic. Assoc. Prof.
Berry, E. G., M.A. Qu., Ph.D. Chic. Assoc. Prof.

Commerce

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. Asst. Prof.
Jack, A. B., B.A. Qu., M.A. Tor. Asst. Prof.
Johnson, F. (Accounting) Lectr.
Smith, C. R , K.C., M.A., B.C.L. Oxon., LL.B. Lectr.
Tallin, C. K., M.A., LL.B. Lectr.
5 Sessl. Lectrs.

Economics and Sociology

Waines, W. J., M.A. Prof.
Sinclair, S., B.S.A., M.Sc. Sask. Assoc. Prof.
Barber, C. L., B.A. Sask., M.A. Clark Assoc. Prof.
Graham, J. E. L., B.A. Tor., M.A., B.Litt. Oxon. Asst. Prof.
Dallyn, F. J. G., B.A. Tor., A.M. Harv. Asst. Prof.
Stovel, J. A., M.A. McG., A.M. Harv. Asst. Prof.
Pentland, M. C , M.A. Oregon, B.A. Asst. Prof.
Weir, T. R., B.A. Br. Col., M.A. Syracuse Asst. Prof.
Wahn, J. D., B.S.A., M.Sc. Sask. Asst. Prof.
Bellan, R. C., M.A. Tor., B.A. Lectr.
Kaminsky, R., B.A. Lectr.

Education

Woods, D. S., B.A. Qu., Ph.D. Chic., M.A. Dean of Fac., Prof.
Stein, H. L., Ph.D. Minn., M.A. Assoc. Prof.
Katz, J., B.A., M.Ed. Asst. Prof.
Kennedy, W. F. R., B.P.H.E. Tor. Sp. Lectr.
Baragar, F., B.A. Sp. Lectr.
Wilkinson, Mrs. Islay R., M.A. Sp. Lectr.
Boyce, Eleanor, M.A. Sp. Lectr.

Doerksen, Mrs. W., B.A., B.Ed. Sp. Lectr.

Engineering, Civil

Riddell, W. F., M.Sc. Prof.
Macdonald, A. E., M.Sc. McG. Prof. and Dean of Faculty.
Herriot, G. H., B.Sc. Qu., D.M. Prof.
Hoogstraten, J., M.Sc. Mich., B.Sc. (C.E.) Assoc. Prof.
Larson, A. G., B.A.Sc. Br. Col., M.A.Sc. (C.E.) Assoc. Prof.
Carlson, A. J , B.Sc. Qu., M.A.Sc. Tor. Asst. Prof.
Magill, E. S., B Sc. (C.E) Asst. Prof.
Marantz, O., B.Sc. (C.E.) Asst. Prof.
Boux, J. F., B Sc. (C.E.) Asst. Prof.
Carswell, J. M., B.A.Sc. Tor. Asst. Prof.
Dolphin, J. W., B.A.Sc. Br. Col., M.S. (C.E.) Minnesota Asst. Prof.
Borgford, S. J., B.Sc. (C.E.) Asst. Prof.
Halstead, D. R., B.Sc. (C.E.) Asst. Prof.
Clark, R. H. Asst. Prof.
Hovey, C. M., B.Sc. (C.E.) Asst. Prof.
Morris, W. V., B.Sc. (C.E.) Lectr.
Aldridge, W., B.A. Sessl. Lectr.
Baracos, A., M.Sc. (C.E.) Alta. Sessl. Lectr.

5 Demrs.

Engineering, Electrical

Williams, N. A., B.Sc. Qu. Assoc. Prof.
Dorsey, J. W., E.E. Lehigh Assoc. Prof.
Anthes, R. G., B.A.Sc. Tor. Asst. Prof.
Wicks, S. G., B.Sc. (E.E.) Asst. Prof.
Curtis, R. W., B.Sc. (Eng.) Lectr.

7 Demrs.

Engineering, Mechanical

Hall, N. M., O.B.E., B.Sc. McG. Prof.
Gates, F. R., B.E. Asst. Prof.
Pask, A. H., B.Sc. Asst. Prof.
Wood, B. D., B.A.Sc. (Mech.) Tor. Asst. Prof.
Gawley, H. N., B.Sc. (M.E.) Sask. Lectr.
McKellar, A. D., B.Eng. (Mech.) McG. Sessl. Lectr.

3 Demrs.

English

Wheeler, A. L., B A. Br. Col., M.A. Tor., Ph D. Wisc. Prof.

Assoc. Profs.

Saunders, Doris B., B.Litt. Oxon., M.A.
Ross, M. M., M.A. Tor., Ph.D. Cornell.
Hopper, C. R., M.C , M.A.

Asst. Professors

Stobie, W. G., M.A. Tor.
Stobie, Margaret R., B.A. Alta. and Lond., Ph.D. Tor.
Duncan, T. A. W., M.A.
Brodersen, G. L., M.A. Oxon.

Lecturers

Cotter, G.
Maguire, Margaret E., M.A. Tor.
Motyer, A. J., B.A. Oxon.
Vardon, B. M., A.M. Chic.
Reaney, J. C., M.A. Tor.

French

Jones, C. Meredith, M.A. Wales, D. de l'U. Paris Prof.
Richard, M. E. J., B.A. Alta., Dip. École de Prép. Paris Asst. Prof.
Carter, A. E., B.A. Br. Col., M.A. McG. Asst. Prof.
Jensen, C. A., B.A. W. Ont., M.A. Tor. Asst. Prof.
Joassin, A. E., Ag. de l'Univ. Française Asst. Prof.

Lecturers

Sumi, Emily, M.A.

Govan, Joan, B.A. W. Ont., M.A. Col.

Sanders, J. B., Dipl. Univ. de Paris, M A. Lectr.

Geology and Mineralogy

Brownell, G. McL , Ph.D. Minn , M Sc. Prof.

Leith, E I , M.Sc. Assoc. Prof.

Wilson, H. D. B., M.S., Ph.D. Calif. Inst. Tech , B.Sc. Asst. Prof.

Conybeare, C. E. B., M.Sc. Alta. Asst Prof

Ferguson, R. B , M A., Ph.D. Tor. Asst. Prof.

Russell, G. A., E.M. Minn., M.Sc. Qu. Asst. Prof.

German [Prof.

Steinhauer, H., M.A., Ph.D. Tor.

Stirk, S. D., M.A. Oxon., D.Phil. Breslau Assoc. Prof.

Schimmerl, E., Dr. Jur. Vienna, M.L. Pittsburgh Lectr.

Government

Clokie, H. McD , M.A Oxon. Prof.

Donnelly, M. S., B A. Mt. A., M.A. Tor. Asst. Prof.

History

Setton, K. M , A B. Boston, A.M., Ph D Columbia Prof.

Morton, W. L., M.A., B.Litt. Oxon., B.A. Prof.

Glover, R., M.A. Oxon. and Harv., Ph.D. Harv. Asst. Prof.

Webster, T. S., M.A. Qu. Lectr.

Crowe, H. S., M.A. Tor., B.A. Lectr.

2 Assts.

Law, v. *infra*—Affiliated Colleges

Mathematics and Astronomy

McEwen, W. H., M.Sc. Sask., M.A., Ph.D. Minn. Prof.

Lawson, J. W., Ph.D. Chic., M.A. Prof. and Dean of Fac. of Arts and Science.

Milne, T. H., M.A. Tor. Assoc. Prof.

Dulmage, L., M.A. Tor. Asst. Prof.

Mendelsohn, N. S., M.A., Ph.D. Tor. Asst. Prof.

Noonan, B., M.A. Tor., B.A. Asst. Prof.

Coish, H. R , B.A , B Sc. Mt. A., M.Sc. Dal., M.A. Tor. Asst. Prof.

Lockhart, R., B.A. W. Ont. Lectr.

Zeiler, F., M.Sc. Alta., B.Sc. Lectr.

Prendergast, H. B., S.M. Chic., B.A. Lectr.

Morrison, Mrs. Mary, B.A. Sessl. Lectr.

Unkauf, Mrs. Meryl, B.A. Sessl. Lectr.

Medicine, v. *infra*

Music

Gibson, R. W., Mus.B. Manc. Assoc. Prof. and Dir. of School.

Gelrud, P., B.S. Coll. of City of New York, M A., Ph.D. Cornell Assoc. Prof.

Hubble, F. E. Sp. Lectr.

Oriental Languages and Literature

Graham, Rev. W. C., S.T.M., Ph.D., D D., F.R S.C. Prof.

Taylor, G. E., M.A., B.D. Asst. Prof.

Freeman, E. G. D., M.A., D.D. Sp. Lectr.

Newcombe, C. R., B.A., B.D., S.T.M. Sp. Lectr.

Pharmacy and Pharmaceutical Chemistry

McDougall, D., M.Sc., F.C.I.C. Prof.

Nash, C. W., B.Sc., M.S. Minnesota Asst. Prof.

Barker, D. Y., 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.
Owen, D., M.A. Tor., B.A. Sessl. Lectr.
Pierce, R. J., D.D. Sessl. Lectr.

Physics

Young, J. F. T., M.A., Ph.D. Tor. Prof.
Whitmore, B. G., B.Sc. Lond., M.A. Tor., Ph D. Leipzig Assoc. Prof.
Cook, E. O., M Sc., Ph.D. Durh. Assoc. Prof.
Pringle, R. W., B.Sc., Ph.D. Edin. Assoc. Prof.
Neamtan, S. M., B.Sc, Ph.D. McG., M.A. Tor. Assoc. Prof.
Macdonald, P. A., M.Sc., Ph.D. Asst. Prof.
Roulston, K. I., B.A., M.Sc. Dub. Asst. Prof.
Harrold, J. H, M.A., Ph.D. Tor. Asst. Prof.

Lecturers

Jonasson, H. D., B.Sc.
Hogg, B. G., B.Sc.
Richards, R. S., B.A. Oxon.
Watt, L. A. K., B.Sc.
Standil, S., M.Sc. Qu.

Physiology, v. Medicine

Political Economy, v. Econ.

Political Science, v. Government

Psychology

Springbett, B. M., M.A. Alta. Asst. Prof.
Burns, Joyce H., B.A. Lectr.
MacLeod, D. M., M.A. Tor. Lectr.

Slavic Languages

Rudnyckyj, J. B., Ph.D. Lviv. Asst. Prof.

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

Agricultural Engineering

Shanks, G. L., M.S. Iowa State Coll., B.S.A. Prof.
Paterson, J J, B.S A., M.Sc. Sask. Asst. Prof.

Animal Science

Brown, J. McC., B S A. Tor., M S. Minn. Prof.
Hodgson, G. C., M.S. Corn., B.S.A., Dip.Ed. Assoc. Prof.
Stringam, E. W., M.Sc. Alta., Ph.D. Minnesota Assoc. Prof.
Kondra, P. A., B.S.A., M.Sc. Asst. Prof.
Isa, J. M., D.V.M. Tor., B S.A., M.Sc. Hon. Lectr.

Art, Clothing and Textiles

Clark, Mrs. Eugenia B., A.B. Wisc., B.Sc. (H. Ec.) Stout Inst., M.S. Iowa State College Assoc. Prof.
Allen, Lillian B., B.A., M.S. Syracuse Asst. Prof.
Watson, Kathleen T., B.Sc. (H. Ec.) Lectr.
Ring, Yvonne, B.A., Dip. Int. Dec. Lectr.
Kennedy, Doreen, B.Sc. (H. Ec.) Colorado Agric. and Mech. College Lectr.
Brown, Georgina, B.Sc. (H. Ec.) Lectr.

1 Graduate Asst.

Bacteriology and Animal Pathology

James, N., B.S.A. Tor., M.S., Ph.D. Iowa State Coll. Prof.
Savage, A., B.S.A. McG., D.V.M. Corn. Prof.
Jamieson, M. C., B.S.A. Tor., M.Sc. Asst. Prof.

Campbell, N. E. R., B.S.A. Tor., M.Sc. Asst. Prof.
Humphreys, T. W., B.S.A. Tor. Lectr.

Child Development and Household Management

McLauchlin, Florence, M.S Iowa State Coll., B.Sc. (H. Ec.) Assoc. Prof.
Hambley, Marion E., B.Sc. (H. Ec.) Asst.

Dairy Science

Brown, R. W., B S A. Tor., M.S. Iowa State Coll. Prof.
Ritchie, J. J., B S.A. Lectr

Education

Moxon, Mary C., Ph B. Chic., M.A. Assoc. Prof

Entomology

Mitchener, A V., B.A. McM., B.S.A. Tor., M.Sc. Prof.
Thorsteinson, A. J., Ph.D. Lond., B.S.A. Asst. Prof.
Martin, E C., B S A. Tor., M.Sc. Cornell Hon. Lectr.
Lejeune, R. R., B.S.A., M Sc. Hon. Lectr.

Family and Institutional Administration

Hood, Grace G., B.S., M.A. Columbia, Ph.D. Minn. Prof. and Dir. of Home Economics.
MacArthur, A. Isabel, M.A. Col., B.Sc (H. Ec.) Lectr.
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.
McMillan, A. May, B.Sc. Mt. All., M.A. Col. Lectr.
Henderson, Jean E., M.A. Tor. Lectr.

Plant Science

Olson, P. J., B.S. N. Dak., M.Sc. Ill., Ph.D. Nebr. Prof.
Andersen, E. T., M.Sc. Alta. Assoc. Prof.
Helgason, S. B., B.S.A., M.S. Minnesota Asst. Prof.
Peterson, R. F., M.S., Ph.D. Minn., B.S.A. Hon. Lectr.

Soils

Ellis, J. H., M.S. Minn., B.S A. Prof
Hobbs, J. A., Ph.D. Purdue, B.S.A., M.Sc. Asst. Prof.
Ehrlich, W. A., B S.A., M.Sc. Specialist.

Medicine

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

Bacteriology and Immunology

Cadham, F. T., B.A., M.D., F.A.C.P., F.R.C.P Can Prof.
Cadham, R. G., M.D. Lectr.

Forensic Medicine

Duval, P. G., K.C., B.A., LL B. Sp. Lectr.

Laryngology and Otology

Black, R., M.D. Prof.
Beckman, I. H., M.D. Lectr.
Alexander, W., M.D. Lectr.

Medical Research

Doupe, J., M.D. Director.
Blanchaer, M.C., B.A., M.D. Qu. Asst. Prof.
Perry, W. F., B.Sc. McG., M.A., M.D., C.M. Qu. Asst. Prof.
Hildes, J. A., M.D. Tor. Asst. Prof.

Medicine and Clinical Medicine

Bell, L. G., M.D. 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) Assoc. Prof.

Hossack, J. C., M.D., C.M. Asst. Prof.
Kitchen, H. D., M M., M D., C.M. Asst. Prof.
McEachern, J., M.D. Tor. and Manit., F.R.C.P.Can. Asst. Prof.
McEwen, S. D., B A., B Sc., M.D. Asst. Prof.
Adamson, G. L., M.D. Asst. Prof.
Hollenberg, A., B.A , B.Sc., M.D. Asst. Prof.
Mathewson, F A. L , M.D , B Sc (Med.) Asst. Prof.
Walton, C H. A , M.Sc , M.D , F.A.C.P. Asst. Prof.

Lectrs. in Medicine

Allison, F. G., B.A., M.D.
Birt, A. R , M D. (Dermatol.).
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
Downey, J. L , M D.
Gemmell, J. P., M.D., F.R.C.P. Can.
Green, P. T., M.D. Tor.
Hollenberg, M. S., B Sc., M.A., M D.
Kilgour, J. M., B.Sc., M.D., F.R.C.P.Can.
Little, G. A., M.D.
MacLeod, J. W., O.B.E., B.Sc., M.D., C.M. McG., F.A.C.P , F.R.C.P.Can.
Musgrove, W. M., M.D.
Pearlman, I , M.D.
Pincock, T. A., M.D. (Psychiatry).
Ross, E. L., M D.
Schoemperlen, C. B., M.D.
Scott, D. L., M.D. (Tuberculosis).
Sinclair, A. C., M.D.
Tisdale, P. K., B.Sc., M.D.
2 Teaching Fellows., 13 Demrs.

Obstetrics and Gynæcology

McGuinness, F. G., M.D., C.M., F.R.C.S.Can. Director of Dept. and Prof.
Abbott, W. F., M.C., B.A., M.D., C.M. (Gynæcol.) Asst. Prof.

Lectrs.

Best, B., M.D , F R.C S Ed.
Black, Elinor, M D.
Kobrinsky, S , M.D.
Guyot, H., B.A., M.D.
2 Teaching Fellows., 13 Demrs.

Ophthalmology

Elvin, N. L., M.D. Prof.
Ramsay, R. M., M.S. (Ophthal.) Minnesota, M.D. Lectr
1 Demr.

Pathology

Nicholson, D., M D , C M. Director of Dept and Prof
Lederman, J M., B Sc. Sask , M.D. Assoc. Prof.
Williams, T H , M.D., C M., D.T.M. and H. Lond. Asst. Prof
Newell, J. E., B.Sc , M.D. Lectr.
1 Teaching Fellow, 5 Demrs.

Pædiatrics

Chown, H. B., M.C., B.A., M.D. Director of Dept. and Prof.
Popham, H. E., M.D Lectr.
Medovy, H., M D. Lectr
1 Teaching Fellow, 4 Demrs.

Physiology and Pharmacology

Doupe, J., M.D. Prof
Moorhouse, V. H. K., M.C., M.D. Tor., F.R.S.C. Prof.
Ormerod, M. J., M D. Tor. Asst. Prof.
Saunders, M. G., M.Sc., M.B., Ch.B. Manc. Asst. Prof.
Bell, Helen J., M.A. Tor. Lectr

Social and Preventive Medicine

Bowman, M., D.P.H. Tor., M.D. Prof.

Surgery

Burns, C. W., B.A., M.D., C.M., F.A.C.S., F.R.C.S.Can. Prof.

Assoc. Professors

Corrigan, C. E., D S.O., B.A., M.D., F.R.C.S. Eng. and Can.
MacCharles, M. R , M.D., C M., F.R.C.S. Ed. and Can., F.A C S.
Thorlakson, P H. T , M.D., C.M., F.R.C.S Can.

Asst. Professors

Aikenhead, D. C., M D. (Anæsth).
Abbott, A. C., B.A., M.D., C.M., F.R.C.S. Ed. and Can.
Hillsman, J. B., M.D. Virginia, M.D., Ch.M.
Morse, H D , M D , C.M. McG., F.R C S.Can. (Urol)
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.

Lecturers

Bourgouin, J. A., M.D.
Burrell, R O., M.D , Ch.M., F.R.C S Ed. and Can.
Cameron, H. F., M.D., F.R.C.S. Ed.
Clark, C. W., M.D., Ch.M., F.R.C.S. Ed. and Can.
Holland, T. E., B.Sc., M.D., F.R.C.S. Ed. and Can.
Huggins, Donalda, B.Sc., M.D.
James, E. S., M D., F.R.C.S. (App. Anat.).
Klass, A. A., B.A., M.D , F.R.C S. Ed. and Can.
McGibbon, K C., M.B. Tor.
McInnes, J. S., M.D.
Perrin, M. B., M.D., F.R.C.S. Ed.
Rennie, J. W. R., M.D., F.R.C.S.
Stephenson, E. S., M.D., Ch M., F.R.C.S.Ed.
Stewart, C. B., M.D., F.R.C.S. Ed. (Urol.).
Swartz, D., M.D., F.R.C.S.Ed.
Trueman, K. R., M.Sc. Minn., B.A., M.D.
2 Teaching Fellows
18 Demrs.

ADMINISTRATIVE OFFICERS

Executive Assistant to the President, John B. Rollit, M.A., Ph.D. Dean of the Fac. of Arts and Science, J. W. Lawson, M.A., Ph.D. Asst. to the Dean of the Fac. of Arts and Science, E. G. Berry, M.A., Ph.D. Dean of the Fac. of Engineering and Architecture, A. E. Macdonald, M.Sc. (C.E.). Asst. to the Dean, Fac. of Engineering and Architecture, Jack Hoogstraten, B.Sc. (C.E.), M.Sc. Director of the School of Architecture, John A. Russell, B.Sc., M.Arch. Dean of the Fac. of Medicine, Lennox G. Bell, M.D., F.R.C.P.Can. Dean of the Fac. of Agriculture and Home Economics, J. W. G. MacEwan, B.S.A., M.S. Director of the School of Home Economics, Grace G. Hood, B.S., M.A., Ph.D. Dean of the Fac. of Education, D. S. Woods, M.A., Ph.D. Dean of the Fac. of Law, G. P. R. Tallin, B.A., LL.B. Director of the School of Music, R. W. Gibson, Mus.B. Manc. Director of the School of Social Work, C. E. Smith, B.Sc., M.A. Lond., D.Pæd. Tor. Director of Nursing Education, Margaret Hart, M.A. Col.

Asst. Comptroller, K. D. McLean, B.S.A. Recorder, Margerie White. Librarian, Junior Library, Edna Greer, B.A. Asst. to the Dean of Women, Jane S. Bull, B.A. Manager, Univ. Book Store, J. A. M. Edwards. Superintendent of Buildings and Grounds, J. Illingworth. Dietitian, Univ. Residence, Beatrice Brownlee, M.Sc. Dean of Men's Residence, James D. Wahn, B.S.A., M.Sc. Dean of Women's Residence, Mrs. L. A. S. Tate, B.Sc. (H. Ec.). Physical Director, R. Wray Youmans.

AFFILIATED COLLEGES represented on the Senate, the first four having power to confer degrees in Divinity:

ST. BONIFACE COLLEGE, St. Boniface (R.C.). Rector—Rev. Georges Desjardins, S.J., B.L., Lic.Ph., Lic.Th., D.S.S.

ST. JOHN'S COLLEGE, Winnipeg (C. of E.). Warden—Rev. Canon R. J. Pierce, B.A., D.D.

UNITED COLLEGE, Winnipeg (United Ch. of Canada). 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.). Rector—Rev. Joseph P. Monaghan, S.J.

MANITOBA LAW SCHOOL, Winnipeg. Dean—G. P. R. Tallin, K.C., B.A., LL.B.

BRANDON COLLEGE, Brandon (Undenominational). President—J. R. C. Evans, M.A., Ph.D., LL D.

GENERAL INFORMATION

Established 1877, the Univ. was reconstituted in 1900 and 1917, and again in 1936. For early history, *see Yearbook* for 1929. The Univ. has the sole power of conferring degrees in Arts, Science, Law, Med., Engin., Pharmacy, Commerce, Agric., Home Economics, Education, Archit., Interior Design, and Social Work, in the province. It received in 1898 from the Dominion Govt. a land grant of 150,000 acres.

The buildings of the Junior Division in Arts and Sci. and the Med. buildings are in the city of Winnipeg, which, with adjacent municipalities, has a population of over 360,000. The site of the Senior Division in Arts and Sci., the Fac. of Agric. and Home Economics, the Fac. of Engin. and Archit., the Fac. of 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 45 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.

UNIV. LIBRARY, 133,000 vols.; 760 periodicals received. There are also 30,410 mounted plates and photographs and 8530 slides in the School of Architecture. The Med. College has a library of 16,000 vols., and receives 278 periodicals. LABORATORIES: Anat., Bact., Bot., Chem., Engin. (Material testing—200,000 lbs., Cement, Elect.), Geol. and Mineral., Path., Physics, Physiol., Zool. MUSEUMS: Anat., Embry., Bot., Geol., Path. HOSPITALS available for clinics: 2 general (1000 beds) and several special, including tuberculosis. FARM (1000 acres).

FACULTIES. (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.

MATRICULATION examn. is conducted in June by the Examn. Board of Manitoba, also a limited Matricn. in Sept. Satisfactory completion of Grades IX, X and XI of the Matricn. course of the Dept. of Educ. is required. Matricn. subjects for Arts or Sci. courses. English, Maths., Social Studies, 3 units of Science (Genl. Sci. and two of Biol., Physics, Chem.), and at least one elective from the following: a second for. lang., a fourth Science, Music, Home Econ., Industrial Arts, Comml. work. With a second for. 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 for. 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 2nd year in Arts; for Engineering, standing of one pre-engineering year in Arts and Science, and for Architecture, Matricn. Members of any British or approved Univ. may be admitted *ad eundem statum* or *gradum* without Entrance examn.

DEGREE COURSES. 4 yrs.—B.A., B.Sc., B.Sc. (C.E., M.E., or E.E.), LL.B., B.Sc. (H. Ec.), B.Com.; B.I.D.; 5 yrs. following 2 pre-medical yrs.—M.D.; 5 yrs.—B.A. (Hons.), B.Sc. (Hons.), B.Com. (Hons.), B.Arch., B.S.A.; 3 yrs. following 1 yr. in Arts and Science, and 2 yrs.' apprenticeship—B.Sc. (Pharm.). Graduates in Med. of at least 2 yrs.' standing with certain prescribed training and experience may obtain Ch.M. on passing written, oral and practical examn., and presenting a satisfactory thesis. A course involving research and governed by specl. regns. leads 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.), 1 or 2 yrs.' postgraduate course. B.Ed., 2 yrs.' postgraduate course; M.Ed., 1 yr. after B.Ed.

A UNIT SYSTEM has been adopted in the Arts and Science Faculty, the unit being " a body of work to which is assigned for instructional purposes one hour of lecture or other class-room exercise per week or one continuous laboratory period of 2 or 3 hours per week, throughout an entire session, or the equivalent." 40 units of credit in the " Junior Division " (work normally done in first two sessions) and 32 in the Senior General Division (for Honours, 48 in the Senior Honours Division) are required for the degree. 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 Man., or an equivalent degree, must first obtain 16 units of credit in Honours Courses. A thesis is 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 Man., or an equivalent degree, must first obtain 16 units of credit in 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.); Education (1 yr. postgrad.); School of Nursing (1 yr.).

The Univ. conducts examns. for admission to the Man. Assoc. of Registered Nurses, to the practice of Dentistry and membership of the Man. 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 Man. Association of Archts.

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, Man. (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 Educ. of Manitoba, Saskatchewan and Alberta.

FEES. Tuition and examn. in Arts and Sc., $150 in 1st yr., $175.50 p.a. in all other yrs., in Commerce, $195.50 p.a.; Engin. and Arch., $267.00; Interior Design, $197.00; Phm., $220.50; Med., 1st, 2nd, and 3rd yrs., $397, 4th yr., $295.00, 5th yr., $88; Law, $190.00. Licence to practise Med., $100. Agrl. Dipl. course, $38, Degree course, $150.50 (1st and 2nd yrs.) and $160 (3rd, 4th and 5th yrs.).

SCHOLARSHIPS for graduates: 2 Travelling Fellowships, each $400, offered each yr.: one to a graduate in Arts, and, in alternate years, one in Science and one in Engineering, tenable at some other seat of learning. Boyd Travelling Fellowship, $400, is offered to Masters of Educn. University Women's Club Fellowship, $150.00, is offered to an outstanding woman graduand in Arts or Science.

RESIDENCE. Hostels at all affiliated Arts Colls. and at the Fort Garry site. Approx. cost of board and room for academic year, $280.

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, Homemaking, Dairying, Poultry, Home Vegetables and Fruit Growing, Home Grounds Beautification and Flower Growing, Fur Farming, Field Crops, Nutrition and Diseases of Farm Animals. (5) February 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) Workers' Educational Assoc. 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.

EXTRA-MURAL WORK. Correspondence courses carrying degree credit are offered in certain subjects of the Second Year in Arts. Only one 4-unit course or its equivalent may be taken in any one regular session. No other extra-mural work permitted.

PUBLICATIONS. *General Calendar* (May), free; *Manitoban* (students' paper), bi-weekly; *Annual Report*; *Historical Notes* (1877–1917); *Inaugural and Convocation Addresses*; *List of Faculty Publications*; *University Bulletin and Alumni Journal*, quarterly.

THE YEAR 1948–49

BENEFACTIONS. National Research Council for research, $18,580; Barley Breeding Institute, $3700; Prairie Rural Housing Committee, $28,310; Institute of Aviation Medicine, $3250; Dominion Department of Agriculture: for vegetable crop trials, $1325; for swine experiments, $2690; Consolidated Mining and Smelting Co. for res., $1200; Department of Health and Welfare for training of social workers, $1510; Line Elevators' Farm Service for res., $2250; Canadian Industries Ltd. for plant science res., $1000; John and Mary Markle Foundation for nutrition res., $5000; Julius Hyman Co. for entomological res., $1000; Medical Institute for Advancement of Medical and Clinical Research, $3240; Imperial Order Daughters of the Empire, 1 scholp. of $400 p.a. for 4 yrs. any Fac.; A. W. Hogg, fund to provide 1 scholp. p.a. of $100 in perpetuity; Iota Alpha Pi Sorority, 1 scholp. of $100 (women only); Ukrainian Professional and Business Men's Association, 1 scholp. of $100; Winnipeg Life Underwriters' Assoc., 1 scholp. of $100; Employers' Assoc., fund to provide 1 scholp. p.a. of $240 in perpetuity; Western Daily Newspapers Advertising Managers' Assoc., 1 scholp. of $100; Dominion Dept. of Defence, 1 scholp. of $125; Canadian Life Insurance Officers' Assoc., 1 fellowship of $5000 for Med. res.; Imperial Order Daughters of the Empire, 1 scholp. of $2000 renewable for 1 yr. tenable in a British Univ. Various smaller donations for the maintenance of scholps. and prizes.

NEW DEVELOPMENTS. Erection of new wing on Engineering Bldg.; Conversion of brick farm bldgs. into classroom space.

RESIGNATIONS. H. P. Armes (Dean of the Univ.); E. P. Fetherstonhaugh (Dean of Engin. and Archit., and Prof. of Electrical Engin.); D. C. Williams (Prof. of Psychol.); J. A. Turner (Asst. Reg.); Eva Clare (Dir. of Music); A. T. Mathers, resigned as Dean of Med., but retains post as Assoc. Prof. of Med.

HONORARY DEGREES. F. C. James, Principal of McGill Univ.; J. L. O. Maurault, Recteur, Université de Montreal; R. Newton, Pres. of Univ. of Alberta; J. S. Thomson, Pres. of Univ. of Saskatchewan; Eleanor Roosevelt; A. T. Mathers, Dean of Fac. of Med.; H. McIntosh, Asst. Supt. of Winnipeg Schools; L. R. Sherman, Archbishop of Rupert's Land; W. P. Thompson, President-elect of Univ. of Saskatchewan.

STUDENTS. Number registered in regular courses: 5798; Extension, 1879; Correspondence, 65; Summer School, 782.

DEGREES. B.A., 377; M.A., 10; Ph.D., 2; LL.B., 45; B.Sc., 188; B.Sc. (H. Ec.), 96; B.Sc. (C.E.), 59; B.Sc. (E.E.), 88; B.Sc. (M.E.), 46; M.Sc., 14; M.D., 59; B.S.A., 11; B.Arch., 51; M.Arch., 1; B.Ed., 26; M.Ed., 3; Ch.M., 1; B.Sc. (Pharm.), 25; B.Comm., 110.

DIPLOMAS. Agriculture, 33; Dairying, 11; Education, 65; Interior Decoration, 31; Social Work, 34; Associate in Music, 13; Licentiate in Music, 1.

CERTIFICATES. Nursing Education, 15.

MEMORIAL UNIVERSITY OF NEWFOUNDLAND

ST. JOHN'S

Founded 1949

CHANCELLOR—.....

VICE-CHANCELLOR AND PRESIDENT—A. G HATCHER, M A. McG., LL.D. Mt. All. and Dal , F.A.A.A.S.

VICE-PRESIDENT—A. C. HUNTER, M.A. Oxon., B.A. Lond., D. ès L. Paris.

REGISTRAR—MONNIE G. MANSFIELD.

LIBRARIAN—SADIE L. ORGAN, B.A. McG., M.A. Mich.

ASSISTANT LIBRARIAN—ADA L. GREEN, B.A. Mt. All., B.L.S. McG.

BURSAR—PAUL A. WINTER.

TEACHING STAFF

PROFESSORS. The President (Maths.); The Vice-President (English and French); Carew, S. J., B.Sc. Dal., B.E. N S. Tech. (Mining); Fraser, A. M , M.A. Edin. (Hist. and Econ.); Hickman, G. A., B.A. Mt. All., M.A. Acad. (Education); Lodge, Helen, B.A. Mt. All., M.A. Columbia (Education); Long, B. F., M.Sc. Dal. (Physics); Rees-Wright, W., M.Sc. Wales, F.R.A S., F.L.S (Biology). Assoc. PROFESSORS : Ashley, J. B., B.A. Dal., M.A. Oxon (Classics and German); Baird, Edna, B.A. Dal., B.H.Sc. McG. (Household Sci.); Blundon, W. J., B.A. Lond , M.A. Columbia (Maths. and Education); Brinton, Ethel, B.A. Lond., M.A. Harv. (Engl., French and Spanish); Cameron, G. E., M.Sc. Manit (Chem.); Fitzpatrick, Mary, M.A., B.Paed. Tor. (Educ.); Lear, E., B.Sc. Acad. (Biol.); Pitt, D. G., M.A. Tor. (English); Rowe, W. G., B A. Dal. (Educ.). LECTURERS : Cochrane, Mrs. J. A., B.A. Durh. (Latin) , Facey, J. M. C., B.Sc. Lond. (Engin. and Maths.); Goodridge, H. B., M A. Camb. (Geog. and Hist.); O'Reilly, Alison, M.A. Tor. (English); Organ, Sadie L., B.A. McG., M.A. Mich. (Maths.); Ralph, Audrey S., B.Sc. Mt. All. (Chem.).

OTHERS. Jennings, Marguerite (Music); Parrott, A. G. (Navigation); Thompson, Shirley (Art); Brewster, Rev. N. T., M.A. Camb. (Relig. Instr.); Curtis, Rev. L. A. D. (Relig. Instr.); Gennery, Major S. G. (Relig. Instr.).

GENERAL INFORMATION

The University was founded by an act of the Provincial Legislature dated Aug. 13, 1949, merging 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 2 yrs. of the Univ. Courses in Arts, Pure Sci., Med., Household Science, and the first 3 yrs. in Engin. and Agriculture. To students who have completed the work for the first and second years in the Univ. third-year status is granted by the following Univs.: (1) All the Univs. of the Maritime Provs., (2) Toronto, in Arts, (3) Columbia, Harvard, (4) McGill. A three-year course for teachers, including both academic and professional subjects, is given to duly matriculated students. A School of Navigation trains seamen for certificates of competency as master and mate, both for home trade and foreign (British B. of T.).

The Univ. Year is divided into two semesters, Sept.–Feb., Feb.–June.

ADMISSION. High Pass Standing in the Grade XI examns. of the Newfd. Council of Higher Educn., conducted by Common Examining Bd. of Maritime Provinces and Newfd., or equivalent.

FEES. For full course, $100 p.a.

EXTRA-MURAL AND EXTENSION COURSES are provided in most Arts and Science subjects, also in Navigation, Dietetics, Health, Pharmacy, Shop Mathematics, etc., Household Science and Chemistry for Nurses.

A SUMMER SESSION, with full credit, is held in July and August.

LIBRARY, 16,000 vols.

SCHOLARSHIPS. There are several Leaving Scholarships of $300 and $500 a year for 2 yrs. for students of the Univ. completing their studies elsewhere. A students' Loan Fund has been founded. The Carnegie Corporation have made grant of $7500 to the Trustees to enable them to make grants-in-aid to students in the Univ.

Acadia offers annually one scholarship of $125, King's one of $150, Mt. Allison one of $125 and one of $62.50, and Mount St. 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.

THE YEAR 1948–49

STUDENTS. Total: 329; full-time: 324; pt.-time: 5; the total includes 65 women and no postgraduates.

MONTREAL UNIVERSITY

Founded 1878

Address—2900 Mount-Royal Blvd., Montreal, 26.

CHANCELLOR—H.E. Mgr. PAUL-ÉMILE LÉGER.

RECTOR—Mgr. OLIVIER MAURAULT, P.D., D.C.L.

PRESIDENT OF THE EXECUTIVE COMMITTEE—The Hon. ALPHONSE RAYMOND.

VICE-RECTOR—Canon GEORGES DENIGER.

SECRETARY-GENERAL AND DIRECTOR OF EXTRA-MURAL RELATIONS—E. MONTPETIT, B.A., LL.D., K.C., D.S.P. Paris, membre de l'Ac. roy. lang. et litt. françaises de Belgique, Chev. O. Léop., O. Lég. d'H.

TREASURER—LOUIS CASAUBON.

LIBRARIAN—RAYMOND TANGHE, D S P.

TEACHING STAFF

Agriculture, v. *infra*, Affiliated Instns.

Anatomy (normal)

Coutu, A., M.D. Asst. Prof.

Anatomy (pathological)

Masson, P., M.D. Paris Prof.
Simard, L. C., M.D. Asst. Prof.
Manseau, G., M.D. Asst. Prof.
Riopelle, J.-L., M.D. Asst. Prof.

Applied Science, v. *infra*, Affiliated Instns.

Art, History of

Gauvreau, J.-M., D.S.P. Prof.

Biology

Dansereau, P., D.Sc. Genève Asst. Prof.
Bellemare, E. R., L.Sc.Nat. Asst. Prof.
Fournier, Abbé O. Lectr.
Prévost, Gustave, L.Sc. Lectr.
Chagnon, G. Lectr.

Botany

Prat, H., D.Sc. Paris Prof.
Rousseau, J., Ph.D. Lectr.
Brunel, J., L.Sc. Lectr.
Gauthier, R., L.Sc. Lectr.

Canadian Literature

Sideleau, Canon A., L. ès L Paris Dean and Prof.

Chemistry, v. also *infra*, Pure Science and Affiliated Instns.

Baril, G. H., M.D. Dean and Prof.
Nadeau, H., L.Sc. Paris Asst. Prof.
Cartier, P., L.Sc. Asst. Prof.
Barré, R., D.Sc. Paris Asst. Prof.
Labarre, J., D.Sc. Paris Asst. Prof.
Lortie, L., D.Sc. Paris Asst. Prof.
Lemay, L., M.Sc. Asst. Prof.
Cartier, C., L.Sc. Asst. Prof.
Piché, L., M.Sc. Asst. Prof.
Bouthiller, L. P., M.Sc. Asst. Prof.

Classics

Soffray, R. F. M., D.Lett. (Greek) Asst. Prof.

Commerce, v. *infra*, Affiliated Instns.

Dentistry, v. *infra*

Economics, v. *infra*, Soc. Science.

Engineering, v. *infra*, Affiliated Instns.

English Literature

Atherton, W. H., M A., Ph.D., LL.D., D.L. Prof.

French Literature

Sideleau, Canon A., L. ès L. Paris Prof.

Geography

Dagenais, P., L.Sc.Com. Prof.

Geology

Morin, Père L., L.Sc. Prof.

History

Groulx, Canon L., LL.D. Ott., M.A , D.Th., D.Ph (Canadian H.) Prof.
Frégault, G., Ph.D. Prof.
Papillon, Rev. Father, M.A., D.Th. Lectr.
Bernard, Frère A. (H. of Acadia) Asst. Prof.
Nadeau, J. M., LL L., L.S.P. (Gen. H.) Asst. Prof

Journalism, v. *infra*, Social Science.

Law, v. *infra*

Mathematics

Gauthier, A., L.Sc. Prof.
Beaupré, V. E., B.A., I.C. Asst. Prof.
Grégoire, L., L.Sc. Asst. Prof.

Medicine, v. *infra*

Mineralogy, v. *infra*, Affiliated Instns.

Modern Languages (*German, Spanish, and Italian*)

..... Prof.

Music, v. *infra*, Attached Instns.

Philosophy

Forest, T.R.P., C., S.Th.M. Dean and Prof.
Gauthier, Abbé O., D.Th., D.Ph. Prof
Voyer, R. M., S.Th.L. Prof.
Fafard, L., D.Th., D.Ph. Prof.
Régis, T.R.P., L.-M., S.Th.L. Prof.
Mailloux, R.P., N., S.Th.L. Prof.
Jasmin, D., B.A., LL.D., D.Ph. Asst. Prof.
Lussier, Abbé I. Asst. Prof.
Filion, E., D.Ph. Asst. Prof.
Peghaire, J., D.Th., D.Ph. Asst. Prof.
Lachance, T.R.P., L., S.Th.M. Asst. Prof.

Physics

Rouault, M., D.Sc. Paris Prof.
Demers, J., L Sc Asst. Prof.
Dufresne, O., B A., M.D. Asst Prof.
Rinfret, M., L.Sc. Asst. Prof.
Robillard, Abbé H. B. A., L Sc. Asst Prof.

Physiology

Robillard, E., M D. Asst. Prof.
Gagnon, A., M.D. Asst. Prof.
Gosselin, G., M D. Asst. Prof.

Theology

Professors

Fournier, R , D Th. Dean.
Terland, A., D.Th.
Charron, Y., D Th.
Lesieur, R., D.Th.
Dorris, R.
Belcourt, E., D.Th.
Desrosiers, J.-B., D.Th.
Bissonnette, R., D.Th.
Duhamel, R.
Morin, C.
Malo, Père A.
Ledit, R. P. J.
Fecteau, R.
Gagnon, E.
Bourque, E.
Bulteau, G.-M.
Bolté, P.-E.
Greenwood, T.
Aucoin, Abbé L.

Lacombe, M.
Sauvé, I.
Yelle, G.
Clement, M.

Hygiene, School of

Frappier, A., M.D. Director.

Law

Aerial L.

Casgrain, J., LL.L., Ph.D. Prof.

Civil L.

Beaulieu, E., LL.D., K.C. Dean and Prof.
Caron, M., LL.D. Prof.
Loranger, Hon. L., LL.D. Prof.

Civil Procedure

Genest, R., LL.D. Prof.

Commercial and Marit. L.

Perrault, J., LL.D. Prof.

Constitutional L.

Bissonnette, Hon. B., LL.L. Asst. Prof.

Criminal L.

Lagarde, I., LL.L. Lectr.

Finance, Comml. & Indust. L.

Faribault, M., LL.D. Prof.
Poirier, E., LL L. Asst. Prof.
Gérin-Lajoie, A., LL.D. Asst. Prof.

Hist. of Law

Gérin-Lajoie, A., LL.D. Asst. Prof.

Internat. L.

MacKay, H., LL D. Asst. Prof.

Notarial Procedure

Faribault, M., LL.D. Prof.

Roman L.

Caron, M., LL.D. Prof.

Social Sciences, Economics

Montpetit, E., LL.D. Prof.

Medicine

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

Bacteriology

Frappier, A., M.D. Asst. Prof.
Denis, J., M.D. Asst. Prof.
Bertrand, A., M.D. Asst. Prof.
Gauthier, P.-P., M.D. Asst. Prof.

Chemistry, Physiological

Baril, G.-H., M.D. Prof.
Gosselin, G., M.D. Asst. Prof.

Contagious Diseases

Leduc, J., M.D. Prof.

Deontology

Dubé, E., M.D. Dean and Prof.

Dermatology and Syphilis

Marin, A., M.D. Prof.

Diseases of Children

Lapierre, G., M.D. Asst. Prof.
Baril, H., M.D. Asst. Prof.

Gynæcology, v. Obstetrics and Gynæcology

Histology and Embryology

Bonin, W., M.D. Prof.
Bélanger, R., M.D. Asst. Prof.

History of Medicine

Panneton, P., M.D. Prof.

Hygiene

Baudouin, J. A., M.D. Prof.
Groulx, A., M.D. Asst. Prof.

Legal Medicine

Fontaine, R., M.D. Prof.

Materia Medica

Dufresne, R., M.D. Asst. Prof.

Medical Ethics

Fontaine, R. P. P. Asst. Prof.

Medical Physics

Dufresne, O., M.D. Asst. Prof.
Demers, J., L.Sc. Asst. Prof.

Medicine, Clinical

Pepin, J. R., M.D. Prof.
De Guise, A., M.D. Asst. Prof.

Lebel, H., M.D. Asst. Prof.
Gatien, R., M.D. Asst. Prof.
Legendre, J. H., M.D. Asst. Prof.
Robichaud, P.-A., M.D. Asst. Prof.
Hamel, G., M.D. Asst. Prof.
Rouleau, A., M D. Asst. Prof.
Gariépy, L H., M D. Asst. Prof.

Mental and Nervous Diseases

Noël, O., M D Asst. Prof.
Amyot, R , M D. Asst. Prof.
Larivière, P., M.D. Asst. Prof.

Neurology

Amyot, R , M.D. Asst Prof.
Saucier, J., M D. Asst. Prof.
Langlois, C., M D. Asst. Prof.

Obstetrics and Gynæcology

Gérin-Lajoie, L., M.D. (Gynæcol.) Prof.
Sanche, H., M.D. (Clin. O) Prof.
Ricard, A., M.D. (Obstet) Asst. Prof.
Marion, D., M.D. (Obstet.) Asst. Prof.
Magnan, A., M.D. (Clin. G.) Asst. Prof.

Ophthalmology, Otology and Rhino-Laryngol.

Panneton, P., M.D. Prof.
Badeaux, F., M.D. Prof.
Brault, J., M.D. Asst. Prof.

Orthopædics, Clinical

Dubé, E., M.D. Prof.
Cabana, J.-E., M.D. Asst. Prof.
Rivard, J -H., M.D. Asst. Prof.
Crépault, P.-Z., M.D. Asst. Prof.

Pathology, v. also Med., Clin.

Boucher, R., M.D. Prof.
De Guise, A., M.D. Prof.
Hébert, C., M.D. Asst. Prof.

Pædiatrics, v. also Orthopædics and Diseases of Children

Lapierre, G., M.D. Prof.

Pharmacy, v. *infra*

Phthisiotherapy

Jarry, J.-A., M.D. Prof.
Vidal, J.-A., M.D. Asst. Prof.
Cholette, A.-M., M.D. Asst. Prof.
Deshaies, G., M.D. Asst. Prof.
Manseau, G., M.D. Asst. Prof.
Hébert, F., M.D Asst. Prof.

Radiology, etc.

Langlois, C , M.D. Asst. Prof
Jutras, A., M D. Asst. Prof.

Surgery, Clinical, v also Pathol

Hingston, D. A., M D. Prof.
Gariépy, U., M.D. Prof.
Paré, A., M.D. Asst. Prof.
Hébert, C., M.D. Asst. Prof.
Dionne, L -R , M D. Asst. Prof.

Surgery, Operative

Gariépy, U., M.D Prof.
Bruneau, J , M.D. Asst. Prof.
Bernard, L , M.D. Asst. Prof.
Dionne, L -R., M.D. Asst. Prof.
Tremblay, J. Asst. Prof.

Toxicology

Fontaine, R., M.D. Prof.
Roussel, J. M., M.D. Asst. Prof.

Urology, Clinical

Bourgeois, P., M.D. Prof.

Dentistry

Professors

Charron, E. H., D.D.S. Dean
Lantier, J. P., D.D.S.
Geoffrion, P., D.D.S.
Baril, G. H., M.D.
Renaud, J. A , D.D.S.
Charpentier, J. L., D.D.S.
Poitras, P. E.
Gauthier, G., D.D.S.
Bonin, W., M.D.
Marin, A., M.D.
Masson, P., M.D.

Assistant Professors

Archambault, C., D.D.S.
Bélanger, R., M.D.
Chaput, G., M.D.
Charland, G., D.D.S.
Demers, J., D.D.S.

Dupras, G., D.D.S.
L'Archevêque, A., D.D.S.

Optometry

Mignot, A., O.D. Director.
Baril, G., M.D.
Bourcier, C.
Côté, E.-H.
Demers, J.
Gauthier, A.
Gardner, G.
Lemay, L.
Lussier, E.
Messier, J. A., O.D.
Monette, G.
Monfette, G.
Papineau, Y.
Raymond, L.-P.
Rochon, J.

Pharmacy

v. also *supra*, Chemistry

Professors

Larose, A.-F., B.Phm Dean.
Barré, R., D.Sc. Paris.
Labarre, J., D.Sc. Paris.
Baudouin, J. A., M.D.
Pilon, H. J., L.Phm.
Lalonde, H., B.Phm.
Larose, R., B.Phm.
Riopel, P. E., B.Phm.
Houle, L., B.Phm.

Pure Science (for subjects and other Professors, etc., v. *supra*, Biology, Botany, Chemistry, etc.)

Baril, G. H., M.D. Dean.
Rousseau, J., L.Sc.nat.
Bélair, R., L.Sc. chim. et phys.
Robillard, E., M.D.

Social Science

v. also *supra*, Hist. and Law

Economics and Politics

Montpetit, E., K.C., LL.D. (Econ.) Dean.
Forest, Père C. (Soc. Philos.).
Vanier, G., LL.L. (Econ. Pol.).
Bruchési, J. (Foreign Pol.).
Bruchési, Émile (Pol. Sc.).
Baudouin, J. A., M.D. (Hygiene).
Vézina, F. (Publ. Fin.).
Tessier - Lavigne, Y. (Human Geog.).
Saint-Pierre, A. (Sociology).
Gouin, L.-M. (Indust. Law and Hist. of Econ.).
Désy, A. (Hist. of Econ. Doc.).
Nadeau, J.-M. (Econ. Policy).

Journalism

Sauriol, P., L.S.P. (Redaction and Admin.).
Fauteux, N. (Hist. of J.).
Leduc, A. (Law of J.).

AFFILIATED INSTITUTIONS

Agricultural Institute at Oka, about 30 miles from Montreal, founded 1893 by the Trappist Fathers of Oka. *Director*, le R.P. Norbert, L.S.A. 36 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.; Phytopathol. and Entomol.; Polit. Econ.; Soils; Rural Econ., etc.

Commerce. École des hautes études commerciales. Created by the Provincial Govt. in 1907. *Director*, Prof. Esdras Minville. 21 other Profs., 14 Asst. Profs. for: Accountancy; Banking; Customs Legislation; Economics; English; French; Geography; Geog., Economic; German; History; Insurance; Italian; Law, Comml. and Indust.; Maths.; Philosophy; Physics; Publicity; Spanish, etc.

APPLIED SCIENCE, including Engineering. The École Polytechnique, which was founded in 1874, is subsidized by the Govt. of the Province of Quebec and the principal Railways of the Dominion. *Principal*, A. Frigon. *Director*, Ignace Brouillet. 26 Profs., 8 Asst. Profs. for: Architecture; Chemistry; Electricity; Electro-technics; Engineering—Civil, Elect., Mech., and Sanit.; Geology; Geometry; Graphical Statistics; Industrial Chem.; Industrial Legislation; Machine Drawing; Maths.; Mineral.; Physics; Public Works; Railways; Strength of Materials; Thermodynamics.

ENSEIGNEMENT SECONDAIRE OU CLASSIQUE. 22 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 diploma admitting him to professional studies in the Univ. The Collège Marguerite Bourgeoys and six other colleges provide similar College or Arts course for girls.

INSTITUT D'ENSEIGNEMENT MODERNE ET DE PÉDAGOGIE.

INSTITUT PÉDAGOGIQUE POUR LES FEMMES. *Directress*, Sœur Sainte-Madeleine du Sacré-Cœur.

INSTITUT PÉDAGOGIQUE ST.-GEORGES POUR LES HOMMES, founded 1929. *Director*, R. F. Luc.

INSTITUT MARGUERITE D'YOUVILLE, École Supérieure pour infirmières. *Directress*, Sœur Denise Lefebure.

ÉCOLE SUPÉRIEURE DE PÉDAGOGIE FAMILIALE ET D'ENSEIGNEMENT MÉNAGER. *Directress*, Sœur Marie-Donalda.

ATTACHED INSTITUTIONS (ÉCOLES ANNEXÉES)

CONSERVATOIRE NATIONAL DE MUSIQUE. *Director*, E. Lapierre. 15 other teachers.

INSTITUT NAZARETH ÉCOLE DE MUSIQUE. *Directress*, Sœur Laurette Sansoucy. 11 other teachers.

ÉCOLE SUPÉRIEURE DE MUSIQUE DE L'INSTITUT DES SS. NN. DE JÉSUS ET DE MARIE. *Directress*, Sœur Marie-Stéphane. 23 other teachers.

ÉCOLE SUPÉRIEURE DE MUSIQUE DE L'INSTITUT DES SŒURS DE STE.-ANNE. *Directress*, Sœur Marie-Héloïse. 10 other teachers.

ÉCOLE DE MUSIQUE DU COLLÈGE MARIE DE L'INCARNATION, TROIS-RIVIÈRES. *Directress*, Sœur Marie-Immaculée. 9 other teachers.

ÉCOLE DE MUSIQUE DES SŒURS DE L'ASSOMPTION, NICOLET. *Directress*, Sœur Cecile de-la-Trinité. 7 other teachers.

ÉCOLE DE MUSIQUE DES SŒURS DE LA PRÉSENTATION-DE-MARIE DE SAINT-HYACINTHE. *Directress*, Sœur Marie-Noélie.

DOMESTIC ECONOMY, 9 schools.

ÉCOLE D'ÉDUCATION FAMILIALE ET SOCIALE. *Directress*, Sœur Marie Gérin-Lajoie. 17 other teachers.

ÉCOLE DE TOURISME. *Director*, Fernand Delhaes. 9 other teachers.

CONSERVATOIRE LASSALLE (French elocution and oratory). *Director*, G. Landreau. 6 teachers.

ÉCOLE DE BIBLIOTHÉCAIRES. *Director*, L.-P. Desrosiers. 6 other teachers.

INSTITUT PIE XI. *Director*, J. B. Desrosiers. 21 other teachers.

INSTITUT DE DIÉTÉTIQUE ET DE NUTRITION, attached to the Faculty of Medicine. *Directress*, Rachel Beaudoin. 8 other teachers.

INSTITUT DE TRADUCTION. *Directress*, Jeanne Grégoire. 6 other teachers.

ÉCOLE DE TECHNOLOGIE MÉDICALE. *Directress*, Sœur Camille-de-Jésus.

RADIUM INSTITUTE. *Director*, O. Dufresne, M.D. Founded 1922, affiliated to the Radium Institute in Paris, 1923. Hospital attached.

GENERAL INFORMATION

The Univ. was incorporated under its present name by an Act of the Provl. Legislature on Feb. 14, 1920. For early history and organization, *see Yearbook* for 1929.

LIBRARY, 275,000 vols Each Faculty and School has the necessary teaching collections and laboratories.

FACULTIES. Theol. (constituted by the Grand Seminary of St.-Sulpice); Law; Philosophy; Med.; Letters; Sciences; Dental Science; Pharmacy; Social, Econ. and Polit. Sciences. Incorporated in the Univ. are Schools of Optometry and Hygiene.

DEGREES AND DIPLOMAS. Courses in the incorporated and affild. institns. include—a 5 yrs.' course in the Éc. Polyt. for the B. ès Sc. App.; 4 yrs. in the Fac. de Ch. Dent. for the D. en Ch.D.; 4 yrs. in the Éc. de Phm. for the B. en Ph. and D. en Ph.; 4 yrs. in Inst. Agric. d'Oka for the L. en Agr., B. en Agr. and D. en Sc.Agr.; 3 yrs. in the Éc. des H.É. Comm. for a L. en Sc. Com. and B. en Sc. Com. Courses leading to degrees in Music at the Conservatoire National de Musique and at the Éc. Sup. de Musique des Sœurs des SS. NN. de Jésus et de Marie.

FEES. Annual. Theology, $425; Law, $200; Medicine, $300; Philosophy, $200; Letters, $200; Sciences, $275; Dentistry, $300; Pharmacy, $200; Social Science, $50; Optometry, $250; Hygiene, $250; Polytechnic, $275.

PUBLICATIONS. *Annuaire général* (May); *La Revue trimestrielle canadienne*: *L'Actualité économique*; *L'Action universitaire.*

THE YEAR 1948–49

DEATHS. P. Lecointe (former Prof., l'École polytechnique); Hon. J.-É. Perrault; Dr. G.-H. Kent (Hon. Prof., Fac. of Dent. Surg.); Hon. juge F. Roy; Prof. R. P. L. Bouvier (Med.); Rév. Mère Sainte-Théophanie (Directress, Institut Pédagogique); Abbé A. Perrier (Vice-Dean, Fac. of Philos.); J.-H.-L. Hébert; Prof. A. Bellerose (Med.); Prof. A. Letourneau (Conservatoire National de Musique); Dr. A.-A. Lantier; Abbé L. Pinault (Emer. Prof., Fac. of Philos.); Mgr. H. Jeannotte (former Sec. and Prof., Fac. of Theol.); Abbé J.-A. Bolduc (Superior of Marie-Médiatrice Seminary); A. Lafontaine; J. Beaubien; Dr. L. P. H. Lorrain (former Prof., School of Vet. Med.); B. Gattet (former Prof., Fac. of Theol.).

HONORARY DEGREES. *D. de l'U.*—Hon. L. Barré; M. A. Gaboury; T.R.P. A. Gemelli; R.P. J.-C. Laframboise; R.P. A. Malo; M. A. L. Mudaliar. *D.S.P.*—M. F. Letourneau. *D.Sc.Agr.*—M. E. Lods; M. P. H. Vézina. *D.M.V.*—M. J. Simard.

STUDENTS. Full-time: 10,720, including 4115 graduates. Pt.-time: 1916, including 905 graduates.

DEGREES. D.Th., 1; L.Th., 16; B.Th., 44; LL.L., 15; LL.B., 38; M.D., 85; Dipl.H.I., 32; M.Sc.-N., 2; B.Sc.-N., 8; D.Ph., 2; L.Ph., 6; B.Ph., 13; D.Psy., 2; L.Psy., 5; B.Psy., 5; D.Ét.Méd., 1; L.Et.Méd., 4; M.Ét.Méd., 4; D.Lett., 2; L.Lett., 10; M.Lett., 15; D.Sc., 7; M.Sc., 10; L.Sc., 1; B.Sc., 68; D.D.S., 45; B.Pharm., 27; D.S P., 2; L.S.P., 22; M.R.I., 9; M.S.S., 8; L.O., 16; I.C., 63; B.Sc.Appl., 63; M.Sc.Appl., 1; L.Sc.A., 10; B.Sc.A., 13; M.V., 16; L.Sc.Com., 94; B.Sc.H., 9; L.Péd., 99; B.Péd., 36; B.A, 622; D.M., 5; M.M., 6; L.M., 3; B.M., 17.

MOUNT ALLISON UNIVERSITY

SACKVILLE, N.B.

Founded 1858

CHAIRMAN OF THE BOARD OF REGENTS—N. A. HESLER, LL.D.

PRESIDENT OF THE UNIVERSITY—Col. the Rev. W. T. R. FLEMINGTON, O.B.E., M.A., B.Pæd. Tor., D.D. Qu., M.A.

VICE-PRESIDENT OF THE UNIVERSITY—H. W. MCKIEL, B.A., B.Sc. Qu., LL.D.

SECRETARY OF THE SENATE—D. G. MACGREGOR, M.A. Oxon.

DEAN OF THE FACULTY OF ARTS—Rev. H. TUCKER, B.A. Acad., A.M., M.Ed. Harv., Ph.D. Hartf.

DEAN OF THE FACULTY OF SCIENCE—F. L. WEST, M.A., B.Sc.

REGISTRAR—CHRISTINE MACINNES, B.A. Dal.

ASSOCIATE LIBRARIAN—OLGA B. BISHOP, B.A., B.P.Ad.

TEACHING STAFF

Art, v. School of Fine Arts, *infra*

Biblical History and Literature

Des Barres, Rev. F. W. W., B.A., D.D. Lectr.
Davies, Rev. L. E. G., D.D. Lectr.

Biology

Fraser, R., B.S.A. Tor., M.A. Kansas, F.R.M.S. Prof.
Wragg, L. E., B.A. McM. Asst. Prof

Chemistry

Cuthbertson, A. C., M.Sc., Ph.D. McG. Prof.
MacLauchlan, D. W., Ph.D. McG., B.Sc. Prof.
Thorn, G. D., B.Sc. Alta., Ph.D. McG. Asst. Prof.

Classics

Crake, J. E. A., B.A. Tor., M.A. Oxon., Ph.D. Johns Hop. Prof.
Ebbutt, A., B.A., B.D., Th.D. Tor. Prof.

Commerce

Leard, A. D., B.A. Lectr.

Economics and Political Science

Tucker, Rev. H., B.A. Acad., A.M., M.Ed. Harv., Ph.D. Hartf. Joseph L. Black Prof.
Pratt, R. C., B.A. McG. 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. Director, McClelan Sch. of E.
Binns, F. W., B.S. Tufts, M.S. Purdue (E. Drawing) Instr.

English Lang. and Lit.

Duchemin, L., B.A. Dal., M.A. Tor. Prof.
McRae, C. F., B.A. W. Ont., M.A. McM. Asst. Prof.
Sloan, W. E., B.A. Tor., A.M. Harv. Lectr.

French [Prof.

MacBeth, T. A., M.A. New Br.
Townsend, D. A. E., B.A. Alta. Asst. Prof.

Geology

Lee, B , B.A., M.Sc. McG.

German

Scherrer, A., B.A. Sir George Williams Lectr.

History

Kerr, D. G. G , B.A. McG., Ph.D. Lond. Prof.

Smith, E., M.A. McG. and Oxon. Lectr.

Home Economics, v. *infra*

Mathematics

Crawford, W. S. H., M.A. Minn , B.A. Prof.

Glenn, W. A., B.A. New Br. Lectr.

Music, v. Conservatory of Music, *infra*

Philosophy and Psychology

Baxter, C., B.A. Vict., M.A., Ph.D. Tor. Prof.

Munro, Rev. W. F., M.A., D.D. Lectr.

Physics

MacGregor, D. G., B.A. Dal., M.A. Oxon. O. E. Smith Prof.

Crawford, D. P., M.Sc. Dal., Ph.D. Rochester, B.Sc. Prof.

Physiology

Dickson, Anne, M D., C.M. Dal Dean of Women, Lectr.

Fine Arts

Harris, L. P. Dir. of Dept. and Prof.

Colville, A., B.F.A. Asst. Prof.

Pulford, E. B , B.F.A. Instr.

Roulston, E. N., B.A. (App. Arts) Dir. of App. Arts.

Hart, Sarah Instr.

Roulston, M., B.A. Instr.

Home Economics

Runciman, Doris, B S , M A Col. Prof. and Director.

Cavanagh, C. M., B.Sc. Acadia, M.Sc. Col. Asst. Prof.

Smith, Elizabeth, B.Sc. Acadia, M.Sc. Manit. Asst. Prof.

Kennish, Marjorie, B Sc. Tor., M.B.A. Chic Lectr.

de Witt, Eleanor, B Sc. Instr.

Conservatory of Music

Whitehead, A., Mus.Bac. Tor., Mus.Doc McG , F R.C.O. Dean of the Conservatory and Prof. of Organ and Theory.

Peake, Ethel (Voice) Hd. of Dept.

Hall, Doreen F. (Violin) Hd. of Dept.

Allen, Dorothy, Mus.B. (Voice).

Patterson, Allison, B.Sc., B.Ed. (Piano and Organ).

Kinsman, E., Mus.B. (Piano).

Armstrong, J , L Mus. (Theory) Instr.

Chidsson, C. G., L.Mus (Piano) Instr.

GENERAL INFORMATION

Mount Allison University was founded as a degree-giving body in 1858 under the name "Mt. Allison Wesleyan College." In 1886 the original charter of the Univ. was amended, the corporate name being changed to the University of Mount Allison College.

The UNITED CHURCH of Canada controls the administration on strictly non-sectarian principles.

LIBRARY. 65,546 vols.

FACULTIES, ETC. Arts, Science and Engineering. Schools of Home Economics and of Fine and Applied Arts. Conservatory of Music.

DEGREE COURSES. 4 yrs. (from Junior Matricn.), B.A., B.Sc., B.F.A., Mus.B.

HIGHER DEGREES. Open to B.A. with Hons. of 1 yr.'s standing, M.A.; to B.Sc. with Hons. of 1 yr.'s standing, M.Sc.; to B.A. or B.Sc. with 1 yr. graduate study, B.Ed. Honorary: LL.D., D.C.L., D.Litt., D.D.

CERTIFICATES. Finance and Commerce, 2 yrs.; Secretarial, 3 yrs.; Applied Sci., 3 yrs.; Fine Arts, 3 yrs.; Applied Arts, 3 yrs.; Lic.Mus., 3 yrs.; Home Economics, 2 yrs. Teaching certificate, one year following B.A. or B.Sc.

FEES. Tuition: Arts or Science, $180 p.a. for 5 subjects (lab. fees additional $6-$14 p.a. per subject); Engin., $165-$180 p.a. Registration: $6 p.a. General Fee, $40 p a., covering concerts and lectures, rink, and gymnasium, reading-room and library, etc.

RESIDENCE. Accommodation in the Univ. for 395 men and 300 women. Board and room, $390 p.a. There are 3 residences for men and 1 residence consisting of 3 houses for women. Two apartment buildings are provided for married veterans.

PUBLICATIONS. *Calendar* (June); *Argosy* (students'), weekly, and *Mt. Allison Record*, monthly; the Wood lectures.

THE YEAR 1948–49

HONORARY DEGREES. *LL.D* —Marjorie S. Hallett, Headmistress of the Bermuda High School for Girls; N. T. Avard, President of Canada Electric; F. E. MacDiarmid, Superintendent of Education for New Brunswick; R. H. Winters, Minister of Reconstruction and Supply. *D.Litt.*—W. R. Bird, President of the Canadian Authors Association. *D.C.L.*—J. C. Macfarlane, Past President of the Canadian Manufacturers Association; Field-Marshal The Rt. Hon. Visc. Alexander of Tunis.

STUDENTS. Full-time: 754, including 9 graduates. Extension Dept.: 78. Summer School: 146.

DEGREES. B.A., 59; M.A., 2; B.Sc., 32; B.Sc. in Home Economics, 10; B.F.A., 6; B.Ed., 8.

CERTIFICATES. Licentiate in Music, 17; Engineering, 41; Fine Arts, 18; Finance and Commerce, 6; Home Economics, 4.

MOUNT SAINT VINCENT COLLEGE

HALIFAX, NOVA SCOTIA

Chartered 1925

Address—Halifax, Nova Scotia.

CHANCELLOR—H.E. the Most Reverend JOHN THOMAS MCNALLY, D.D., Archbishop of Halifax.

CHAIRMAN, BOARD OF GOVERNORS—Mother M. EVARISTUS, Ph.D., LL.D.

PRESIDENT—Sister MARIA ROSARIA, M.A., Ph.D.

DEAN—Sister FRANCIS D'ASSISI, M.A., Ph.D.

REGISTRAR—Sister FRANCES CARMEL, L.M.S., Ph.D.

LIBRARIAN—Sister FRANCIS DE SALES, M.A., Ph.D.

TEACHING STAFF

Biology

Margaret, Sister Patricia, B.A., M.Sc.

Chemistry

Evelyn, Sister Mary, B.A., M.Sc.

Classics

Berchmans, Sister Mary, M.A., Ph.D.

Rosaria, Sister Maria, M A., Ph.D.

Economics

Regis, Sister Maria, B.A., M.C S.

Education

Catherine, Sister Maria, M.A.

English

Agnes, Sister Marie, M.A., Ph.D.

Maura, Sister, M.A., Ph.D.

French

Helen, Sister Marie, M.A.

History

d'Assisi, Sister Francis, M.A., Ph.D.

Home Economics

Clarisita, Sister M., M.A.

Marie, Sister Irene, B.A., M.Sc.

Library Science

de Sales, Sister Francis, M.A., Ph.D.

Mathematics

Gertrude, Sister Anna, B.A.

Evelyn, Sister Mary, M.A.

Music

Mariam, Sister Cecilia, M.Mus.

Corona, Sister Mary, B.Mus.

Philosophy

Carmel, Sister Frances, M.A., L.M.S., Ph.D.

Secretarial Studies

Regis, Sister Maria, B.A., M.C.S.

Sociology

Elizabeth, Sister John, B.A.

Adelaide, Sister Louise, B.A.

GENERAL INFORMATION

Mount St. Vincent College is the only independent Women's College (*i.e.* empowered to confer degrees) in Canada.

LIBRARY, 50,000 vols. Students have access to books in Provincial Library as well as to those regulated by inter-college and Universities loan system.

FACULTIES. Arts; Music; Nursing; Home Economics; Secretarial Studies; Library Science.

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), 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, $450 yearly. Tuition only, $20 per course. Laboratory fees, $3 to $25. Degrees, $20.

RESIDENCE. Accommodation for approx. 175.

EXTRA-MURAL WORK. A limited amount of extra-mural work is done, under the direct supervision of the Professors of the various subjects.

THE YEAR 1948–49

NEW BUILDING. An entire bldg. is in process of erection, which will house the College as a completely self-sufficient unit. This will contain the library, laboratories for Chemistry, general and organic, Biology, Physics; a Home Economics Dept, with laboratories for Foods, Nutrition and Textiles; Secretarial Dept. with modern office machines and equipment, as well as offices for Administration. The Chapel will be a separate wing of the bldg.

STUDENTS. Total: 392; full-time: 154; pt.-time: 105. Summer Session: 133. Postgraduate: Library Science, 10.

DEGREES. B.A., 26; B.Sc., 4; B.L.S., 5; L.Mus., 2.

UNIVERSITY OF NEW BRUNSWICK

FREDERICTON

Founded 1800

VISITOR ON BEHALF OF H.M. THE KING—THE LIEUT.-GOVERNOR OF NEW BRUNSWICK

CHANCELLOR—Rt. Hon. LORD BEAVERBROOK, LL.D.

PRESIDENT—A. W. TRUEMAN, M.A. Oxon., D.Litt. Mt. All., LL.D.

REGISTRAR—EDITH G. MACLEOD, B.A.

BURSAR—JOSEPH W. SEARS, B.A., B.C.L. Oxon.

TEACHING STAFF

Biology

Argue, C. W., B.A., M.Sc. McG. Dean, Fac. Sci., Prof.
Smith, G. F. M., Ph.D. Tor. Prof.
Pritchard, H. V., M.Sc. Western Asst. Prof.
Taylor, A. R., B.A Tor. Asst. Prof.

Chemistry

Toole, F. J., Ph.D. McG. Dean, Arts and Sci., Prof.
Stewart, A. P., Ph.D. McG. Assoc. Prof.
Garmaise, D. L., Ph.D. McG. Asst. Prof.
Wiesner, K., D.Sc. Asst. Prof.
Park, W. R. R., M.Sc. Lectr.

Classics

Cattley, R. E. D., M.A. Camb. Prof.
Sutherland, I., B.A. Asst. Prof.

Economics and Politics

Petrie, J. R., M.A., Ph.D. McG. Prof.
Wright, C. P., M.A. Oxon., Ph.D. Harv. Assoc. Prof.
Corbett, D. C., M.A. Asst. Prof.
Smith, W. Y., B.A. Asst. Prof.

Education

Love, R. J., M.A., B.Paed. Tor. Prof.

Engineering, Civil

Turner, E. O., S.B. Mass. I. Tech. Dean, Engin., Prof.
Moore, J. H., S M. Mass. I. Tech. Assoc. Prof.
Beattie, I. M., B.Sc. Asst. Prof.
MacFarlane, H. M., B.Sc. (on leave of absence) Asst. Prof.
McLaughlin, R., B.Sc. Asst. Prof.

Engineering, Electrical

Baird, A. F., D.Sc. Dean, App. Sci., Prof.
Dineen, J. O., M.Sc. Asst Prof.
Hoyt, D. P., B.Sc. Asst. Prof.
Collier, R. J., B Sc. Tor. Asst. Prof.

Engineering, Mechanical

Wheatley, E. E., B.Sc. McG. Prof.
Hagerman, E. W., B.Sc. Asst. Prof.

English

Pacey, W. C. D., Ph.D. Camb. Prof.
Tracy, C. R., B.A. Tor., Ph.D. Yale Assoc. Prof.
Hicklin, R., B.A. Tor. Asst. Prof.
Galloway, D., M.A. Asst. Prof.

Forestry

Gibson, J. M., D.Sc. Dean, Forestry, Prof.

Flieger, B. W., B.Sc. Prof.
Long, H. D., B.Sc. Prof.
Brown, N. R., M.Sc. Ont. Agric. Coll. Assoc. Prof.
Videto, H. E. D. Asst. Prof.
Hadley, C. G , B.Sc. Tor. Asst. Prof.
Owens, E. T., B.Sc. Asst. Prof.
Roberts, E. W., B.Sc. Asst. Prof.
Thompson, B. J., B.Sc. Asst. Prof

French

McAndrew, A., D. de l'U. Paris Prof.
Whimster, Mary L., B.A. Manit. Asst. Prof.

Geology

McKenzie, G. S , Ph.D Tor. Prof.
Riordon, P. H., M.Sc. McG. Asst. Prof.
Baird, D. M., Ph.D. Asst. Prof.

German and Spanish

de Merten, M., Ph.B. Louvain, LL.B. Brussels Prof.

History

Bailey, A. G., Ph.D. Tor., B.A. Dean, Arts, Prof.
McNutt, S., B.A. Lond. Asst. Prof.

Law

Sears, J. W., B.C.L. Oxon. Lectr.

Mathematics

Rothberger, F. Prof.
Jones, W. G., B.Sc. Dean of Residence and Prof.
Edwards, L. P., M.A. Acadia Asst. Prof.
Allison, G. E , B.A Tor. Asst. Prof.
Staal, R. A., Ph.D. Asst. Prof.

Philosophy

Stewart, D. A., Ph.D. Tor. Prof.

Physics [Prof.

Boone, A. E., B.Sc., M.A. Western
Kennedy, J. E., M.A. Qu. Asst. Prof.
Tillotson, J. G., M.Sc. W. Ont. Asst. Prof.
Weiner, T., Doctor of Physics, Milan Asst. Prof.

Psychology

Thompson, Louise M., B.Ed., Ph.D. Prof.
Tunis, A., B.A. Asst. Prof.
Thomas, S. C , M.A. Asst. Prof.

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 Univ. of N.B. A Faculty of Law was established in 1923 in St. 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 $194,975.

LIBRARY: 75,000 vols. MUSEUMS: Geological. LABORATORIES: Bot., Chem., Engin., Geol., Phys., Psych. OBSERVATORY: Telescope with 6" clear aperture.

DEPARTMENTS. Arts, Science, Engineering, Forestry, Law.

DEGREE COURSES. 5 yrs. (from " Junior " Matricn.), Engin., Forestry. 4 yrs., B.A., B.Sc. 3 yrs., B.C.L. The " Senior " Matricn. (or equivalent) Certif. admits to the 2nd year.

HIGHER DEGREES. B.Ed., M.A., M.Sc., D.Litt., D.Sc., LL.D. (Hon.).

FEES. Tuition, annual: Arts, $175; Pure Science, $175; Engin. or Forestry, $235; Law, $235.

RESIDENCE. Lady Beaverbrook's Building for men students. Board and lodging, $16 per week. Maggie Jean Chestnut House for women students.

STUDENT HEALTH. Tuberculosis survey of students made in the Autumn.

SCHOLARSHIPS. Rt. Hon. Lord Beaverbrook Undergraduate Scholps., 7 of $500 each for 4 yrs.; 10 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; Colonel C. H. L. Jones Scholps., 10 of $500 each, 75 others.

PUBLICATIONS. *Calendar* (January); *Brunswickan* (students' weekly); *Fiddlehead* (students' poetry magazine).

THE YEAR 1948–49

BENEFACTION. A new Library wing donated by the Rt. Hon. Lord Beaverbrook has been completed and was formally opened in May. A women's residence was given to the Alumnæ Society of the Univ. through the generosity of the Rt. Hon. Lord Beaverbrook.

HONORARY DEGREES. *LL.D.*—G. F. G. Bridges, Justice of the Supreme Court of New Brunswick; D. G. Creighton, Prof. of Hist., Univ. of Toronto; B. S. Keirstead, Prof. of Economics and Political Science, McGill Univ.; Alice B. Sterling, retired school teacher; Dr. A. F. Van Wart, Physician and Surgeon.

STUDENTS. Total, full-time: 1100; including 85 women and 24 post-graduates.

DEGREES. M.A., 3; M.Sc. in Arts, 2; M.Sc. in Forestry, 2; B.A. (Honours), 9; B.A., 38; B.Sc. in Arts (Honours), 6; B.Sc. in Arts, 32; B.C.L., 24; B.C.L. (Ad eundem), 3; B.Sc. in Civil Engineering, 70; B.Sc. in Electrical Engineering, 59; B.Sc. in Forestry, 127.

UNIVERSITY OF OTTAWA

Founded 1866

Address—Laurier Avenue, Ottawa.

VISITOR—The Hon. RAY LAWSON, O.B.E., Lieut.-Governor of Ontario.

APOSTOLIC CHANCELLOR—H.E. the Most Rev. A. VACHON, D D., Archbishop of Ottawa.

RECTOR—Very Rev. J.-C. LAFRAMBOISE, Ph.D., S.T.D. Rome.

VICE-RECTORS—Rev. A. CARON, Ph.D., S.T.D., J.C.D.; Rev. R. LAMOUREUX, Ph.D., S.T.B.

SECRETARY AND REGISTRAR—Rev. R. NORMANDIN, Ph.D, S.T.L. Rome.

TREASURER—Rev. I. PIGEON, B.A., J.C.B.

LIBRARIAN—Rev. A.-M. MORISSET, B.A., J.C.L., M.L.S. Columbia.

MODERATOR OF ATHLETICS—Rev. R. LEMIEUX, M.A., L Soc.Sc.

DIRECTOR OF ATHLETICS—D. HARBIC, B.Sc.

DIRECTOR OF EXTRA-MURAL RELATIONS—Rev. H. MORISSEAU.

UNIVERSITY PHYSICIAN—P. BÉLANGER, M.D., C.M.

TEACHING STAFF

Accounting

Sénécal, Rev. R. Prof.
Leduc, C., B.Com. McG. Lectr.
Marchand, J. - P., B.Com., L Com.Sc. Montr. Lectr.
Trudeau, Rev. R , B.A., L.Ph. Lectr.

Astronomy

Hargreaves, I. P. Lectr.

Biology

LeBel, W., B.A., M.D. Prof.
Legault, Rev. R., B.A., B.Th. Asst. Prof.
Lalonde, R., M.A. Lectr.

Chemistry

Renaud, Rev. E., M.Sc. Lille, B.A., L.Ph., D.Sc., F.C.I.C. Prof.
Poupart, Rev. H., D.Ph., D.Th. Rome (v. also Maths. and Physics) Prof.
Caron, Rev. D., B.A., L.Ph., L.Th. Prof.
Harbic, D., B.Sc. Lectr.
Lalonde, R., M.A. (v. also Biol.) Lectr.
Tigges, W., M.S.A., D.Ph. Halle-Wittenberg Lectr.

Classics : Greek

Pelletier, Rev. A., M.A. Prof.
Rakus, A., M.A., D.Ph. Bratislava Lectr.

Classics : Latin

Royal, Rev. E., M.A., D.Ph. Rome Director Corres. Courses, Prof., and Sec. of Fac.
Marcotte, Rev. F. X., D.Ph., D.Th. Rome (v. also Religion and Physiol.) Prof.
Houde, Rev. R., B.A., L.Ph., B.Th. Prof.
Rakus, A., M.A., D.Ph. Bratislava Lectr.

Economics

Forcier, Rev. G., M.A. Asst. Prof.
Brault, Rev. F., M.A., L.Ph., L.Th. Asst. Prof.
Bélanger, J. R., M.A. Lectr.
Casselman, H., M.A., D.Com.Sc., D.Ph. (Pol. Sc.) Lectr.
Choquette, R., B.A., L.Com.Sc Montr. Lectr.
Anka, M , B.Com. Lectr.

Education

Shevenell, Rev. R., M.A., D.Ph. Prof. and Vice-Dean of Fac.
Chagnon, M., M.A., L.Ph. (v. also Psych.) Asst. Prof.

English

Bradley, Rev. F., M.A., D.Ph. (v. also Hist.) Prof.
Buxton, G., M.A. Manit., D.Lit. Paris (v. also Hist.) Prof
O'Grady, E., M.A. Asst. Prof.
Holton, Rosemary T., M A. Lectr.
Major, R , B.A. Lectr

French

Marion, S , M.A., D Lit. Paris Prof.
Tremblay, Rev. A., B.A., B.Th. Prof.
Chalifoux, Rev. A., B.A. (v. also Hist.) Asst. Prof.
Hamel, Rev. C., B.A., L.Ph., B.Th. Asst. Prof.
Julien, Rev. B., B.A., L.Ph., L.Th., L.Lit. Paris Asst. Prof.
Beaudet, A., B.A. Lectr.
Carrier, R., B.A. Lectr.
Couture, Rev. R., M.A. Lectr.
Filion, G., B.A. Lectr.
MacQueen, D. J., M.A. Tor. Lectr.

Geology

Jost, T., M.Ph. Cracow Lectr.
LaRocque, A., M.A. Tor. Lectr.

German

Freed, P., B.Com. Lectr.

History

Bradley, Rev. F., M.A., D.Ph. (v. also English) Prof.
Brault, L., M.A., D.Ph. (Canadian H.) Prof.
Buxton, G., M.A. Manit., D.Lit. Paris (v. also English) Prof.
Chalifoux, Rev. A., B A. (v. also French) Prof.
Thivierge, Rev. E , M A., L.Ph., B.Th. Prof.
Gouin, J., M.A. Lectr.
Piché, P., B.A. Lectr.

Mathematics

Cloutier, Rev. G., B A., D.Ph., L.Th Prof.
Dubé, Rev. H , D Ph Rome, D.Sc. Prof.
Lavigne, Rev R., B A , L Ph., B.Th. Prof. and Dean of Fac.
Poupart, Rev. H., D Ph., D.Th. Rome (v Chem. and Physics) Prof.
Vachon, L., M.Com.Sc. Asst. Prof.
Beauchesne, L A., B.Sc. Lectr.
Deltour, P., D.Sc. Louvain Lectr.
Hébert, G., B.Sc. (v. also Physics) Lectr.

Philosophy

Dufour, Rev. P., M.A , D.Ph. Chicago Prof.
Gendron, Rev. J., B.A., D.Ph., L.Th (v also Relig.) Prof.
Saint-Denis, Rev. H., B.A., D.Ph., D.Th. Rome Prof.
Trudel, Rev. R., B.A., D.Ph., L.Th., B.C.L., Dipl. Ph. Paris, Dipl. Psych. Paris Prof.
Beauchamp, Rev. M., D.Ph., L.Th. (v. also Relig.) Asst. Prof.
Gadouas, Rev. O., B.A., L.Ph., B.Th. (v. also Span.) Asst. Prof.
Perron, Rev. L., B A. (v. also Relig.) Asst. Prof.
Simon, L. M. (v. also Relig.) Asst. Prof.

Physics

Poupart, Rev. H., D Ph , D.Th. Rome (v. also Math. and Chem.) Prof.
Hébert, G., B.Sc. (v. also Math.) Lectr.
Tigges, W., M S.A., D.Ph Halle-Wittenberg (v. also Chem) Lectr.

Physiology

Marcotte, Rev. F. X., D.Ph., D.Th. Rome (v. also Relig. and Latin) Prof.

Political Science

Dufour, Rev P., M A., D Ph. Chicago Prof.

Psychology

Shevenell, Rev. R., M A , D Ph. (v. Educ.) Prof.
Chagnon, M., M A., L Ph. (v also Education) Asst. Prof
Dayhaw, L., D.Ph. Asst. Prof.

Public Administration

Lefebvre, O., B.A. Lectr.
Morisset, G., M.A., L.Th., L.LL. Lectr

Religion

Marcotte, Rev. F. X., D.Ph , D.Th. Rome (v. also Latin and Physiol.) Prof.
Gendron, Rev. J., B.A., D.Ph., L.Th. (v. also Philos.) Prof.
Lemieux, Rev. R., M.A., L.Soc.Sc. Asst. Prof.
Perron, Rev. L., B.A. (v. also Philos) Asst. Prof.
Simon, Rev. L. M. (v. also Philos.) Asst. Prof.

Sociology

Beaupré, L., M.A. Lectr.

Spanish

Gadouas, Rev. O., B.A., L.Ph., B.Th. Asst. Prof.
Lozano, L., B.Com. Lectr.
Poliquin, J. M., B.A., L.Ph., B.Th. Lectr.

Statistics

Cloutier, Rev. G , B.A., D.Ph., L.Th. Prof.
Dayhaw, L., D.Ph. Louvain Asst. Prof.

Translation

Daviault, P. Lectr.

Applied Science, School of

Cloutier, L., B A., D.Sc. Director.
Lavigne, Rev. R., B A., L.Ph., B.Th. Secretary.
Cloutier, Rev G., B.A., D.Ph., L.Th Asst. Sec.

Lecturers

Beauchesne, L. A , B.A., B.Sc.A. Laval.
Bernier, Y., B.A., B.Sc.A. Laval.
Brunet, M., M.A.
Carrier, L. M., B.Sc.
Convey, J., Ph.D., M.Sc.
Duprat, J. T., B.A., B A.Sc , M.Sc. (Math.).
Goyette, A., T.D. Montreal.
Grégoire, J., B.A , I.F. Laval.
Gribbon, C.
Horwood, J., B.A. Tor.
Lefaivre, J., B.A., B.Sc.A. Laval.
Lefort, B.
Martisen, M., B.A.
Mitchell, C , M.Sc.
Ouimet, J., C.T.
Rivard, J. G., I.F., A.G. Laval.
Robinson, S. C., M.A.Sc., Ph.D. Qu.
Senftle, F., D.Ph. Tor.
Steacy, H., B.Sc. Qu.
Tremblay, L. P., M.Sc., D.Ph. Tor.
Vincent, R., B.A., L.Ph., B.Sc.

Canon Law

Caron, Rev. A., S.T.D., J.C.D., Ph.D. Dean of Fac.
Guay, Rev. A., S.T.L., J.C.D., Ph.L. Vice-Dean.
Latrémouille, Rev. R., Ph.D., J.C.D. Sec. of Fac.

Beahen, H., B.A.
Chaput, Rev. R., Ph.L., S.T.L., J.C.L.
Charland, Rev. R.-M., B.A., J.C.D. Rome.
Lafontaine, Rev. P. H., B.A., S.T.L., J C.D.
Lesage, Rev. G., M.A., Ph.D., Sc.S.D., S.T.D., J.C.D.
Ollivier, M., B.A., LL.D.

Library School

Morisset, Rev. A.-M., B.A., M.L.S. Col., J.C.L. Director.

Lecturers

Aubry, C., B.A., B.L.S.
Boucher, P., B.A., B.L.S.
Brunet, J., B.A., B.L.S.
Chabot, Juliette, B.A., B.L.S.
Coffey, Agnes, B.A., B.L.S.
Daveluy, Marie-Claire, Ph.D.
Desrochers, F., B.A., LL.B.
Forest, L.
Gouthreau, Olive, M.A., B.L.S.
Hamilton, R. M., B.A., B.L.S.
Jennings, F. C., B.A.
Langlois, A., I.C., B.Sc.A.
Lefebvre, Eliane, B.A., B.L.S.
Lefebvre, Louise, B.A., B.L.S.
MacLean, Nonnie C.
Pelletier, J., B.A., B.L.S.
Robbins, J. E., Ph.D.
Tarte, Bernadette, B.A., B.L.S.

Medicine

Anatomy

Auer, J., M.D., Dr.M.Sc. Leiden Prof. and Hd. of Dept.
Menshik, Z., M.D., Ch.B. Cracow Asst. Prof.
Bohartichuk, F., M.D. Kiev, D.Sc. Research Prof.
Jeletzky, T., M.D. Kiev Demr.
Shapiro, E. I., M.D. Tor. Demr.

Bacteriology

Gibbons, R. J., M.A., M.D., Ph.D. Tor. Prof. and Hd. of Dept.
Bismanis, J., M.D. Riga Lectr.

Biochemistry

Ettori, J., M.D Paris Prof. and Hd. of Dept.
Ryan, M. T., M.Sc. N.U.I. Lectr.

Biology

Lebel, M. W., M.D. McG., B.A. Prof. and Hd. of Dept.
Bertalanffy, L. von, Ph.D. Vienna Research Prof
Legault, Rev. R., B.A., S.T.B. Lectr.

Chemistry

Renaud, Rev. E., M Sc Cath. Un. Lille, B.A., D.Sc., Ph.L., F.C.I.C. Prof. and Hd. of Dept.
Harbic, D., B.A., B.Sc. Lectr.

English

O'Grady, E., M.A. Lectr.

Ethics

Danis, Rev. A. L. M., M.A., Ph.D., S.T.L., J.C.B. Prof.
Markle, Rt. Rev. B., Ph.D., S.T.D. Rome Lectr.
Beauchamp, Rev. M., Ph.D., S.T.L. Lectr.
Chaput, Rev. R., Ph.L., S.T.L., J.C.B. Lectr.
Simon, Rev. L. M. Lectr.

French

Deltour, P., D.Sc. Louvain Lectr.

Histology and Embryology

Bélanger, L. F., M.A. Harv., M.D. Montr. Prof. and Hd. of Dept.
Aderer, E. Demr.

Medicine

Fidler, A., M.D. Warsaw Prof. and Hd. of Dept.
Bédard, O., B.A., M.D. Laval Lectr.
Doane, A. R., M.D. Tor. Lectr.
Fortier, B., M.D. Montr., B.A. Lectr.
Gagné, R., M.D. Montr., B.A. Lectr.

Law, W. B., M.D., C.M. Qu. Lectr.
Powers, A., M.D. Laval, B.A. Lectr.
Roussel, L., M.D. Montr , B A. Lectr.
Tittley, J. R., B.L., M.D. Montr. Lectr.
Beairsto, A. W., M.D Tor. Clin. Asst.
Julien, Lucile, M.D. Montr., B.A. Clin. Asst.
Maziec, K., M B , Ch.B. Edin. Clin. Asst.

Medicine, History of

Young, C. A., M.D., C.M. McG., F.A.C.S. Prof. and Hd of Dept.

Obstetrics and Gynæcology

Richard, A. L., B.A. St. Anne N.S., M.D. Laval Prof. of Gynæcol. and Hd. of Dept.
de Saint-Victor, H., B.A., M.D. Laval Assoc. Prof. of Obst.
Brisson, G , B.A., M.D. Montr., Ph.L., F.A C.S. (Gynæcol. and Obst.) Sr. Lectr.
Hurtig, A., B.A , M.D. Alta. (Gynæcol.) Lectr.
Noel, M., M.D. Montr. (Gynæcol. and Obst.) Jr. Lectr.

Opthalmology

Gilhooly, J. P., M.D. McG. Prof.

Oto-Laryngology

Coupal, J. L., M.D. Montr. Prof.

Pædiatrics

Campbell, G. A., B.A., M.B. Tor., F.R.C.P.Can. Prof. and Hd. of Dept.
Viau, H., M.D. Montr. Lectr.
Maloney, P. J., M.D., C.M. Qu. Lectr.
Langlois, M., B.A., M.D. Laval Lectr.
Bourque, H., B.A. Laval, M.D. Montr. Jr. Lectr.

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. Med., M.D. Tor. Prof. and Hd. of Dept.
Leach, W. B., M.Sc. McG., M.D. Manit. Asst. Prof.
Brown, N., M.D., C.M. Qu. Fellow. Path.

Pharmacology

Murnaghan, M., M.B. N.U.I., M.S. Dub. Prof. and Hd. of Dept.
Perry, A., M.Sc. Dal., Ph.D. Tor. Lectr.

Physics

Dubé, Rev. H., Ph.D., S.T.D. Rome, Sc.D. Prof and Hd. of Dept.
Tigges, W. S., M.Sc. Ultuna Inst., Uppsala, Ph.D. Halle-Wittenberg (Biophysics) Lectr.
Hébert, G., B.Sc. (Physics) Lectr.

Physiology

Johnson, J. R., B.S. Washburn, Ph.D. Tulane Prof. and Hd. of Dept.

Psychiatry

Stogdill, C. G., M.A., M.D. Tor. Prof.
Shevenell, Rev. R., M.A., Ph.L. Lectr.
Dayhaw, L., Ph.D. Fordham Lectr.
Szyrynski, V., M.B., B.S. Warsaw Lectr.

Surgery

Valin, R. E., M.D., C.M. McG., F.A.C.S., F.R.C.S.Can. Prof. and Hd. of Dept.
Ewing, J. B., M.D., C.M. Qu., F.R.C.S. Ed. and Can. Prof. of Clinical Surgery.
Gaulin, E., M.D. Montr., F.A.C.S. Prof. of Urology.

Bélanger, P. B., M.D., C.M. McG. Lectr.
Bonfield, J. P., M.D. McG. Lectr.
Bonfield, J. Patrick, M.D. Qu. Lectr.
Côté, F., M.D., M.S. Tor., B.A., Ph.L., F.R.C.S. Lectr.
Donovan, P. F., M.B. N.U.I., M.Ch., B.A.O Dub , F.R.C.S. Ireland Lectr.
Law, D., M.D., C.M. Qu. Lectr.
Lecours, J. A., B.A., M.D. Laval, F.R.C.S.Can., F.A.C.S. Lectr.
Rossignol, J. C , M D. Lectr.
Sauvé, N., M.D. Montr. Lectr.
Tallon, J. A., B.A., M.D., C.M. McG. Lectr.
Brunet, E. D., M.D. Montr. Clin Asst.
Mainville, M , M.A. Laval Clin. Asst
Terrien, J., B.Sc., M.D. Laval Clin. Asst.

East and South European Institute

Domaradzki, T. F., M.Ph., D.Litt., Dipl. Pol. Sc. Director.
Komarnicki, W., M.Ph. Dorpat, LL.D. Paris.
Jurkszus, Jadwiga, M.Litt. Vilno.
Jost, Tadeusz, M.Ph. Cracow.
Kaye, V. J., M.A., D.Ph. Vienna.
Lalkow, D., M.D. Odessa.
Paplauskas-Ramunas, A., M.Litt., D.Ph. Kaunas.
Timiras, N., M.Litt., M.LL. Bucharest.

Missiology, Institute of

Champagne, Rev. J. E., M.A., Ph.L., S.T.B., Miss.D. Rome Director and Prof.

Lecturers

de Bretagne, Rev. G.
Forcier, Rev. G., M.A.
Jetté, Rev. F.
Lafontaine, Rev. P.-H., B.A., S.T.D., J.C.D.
Lessard, Rev. J.
Seumois, Rev. A., Miss.D. Rome.

Music and Elocution

Martel, Rev. J., B.A., J.C.B. Director.

Lecturers

de Bellefeuille, Renée.
Gagne-Mayer, Mrs. Lucille, B.A.
Landry-Labelle, Mrs. Héléne.
Laplaine, H.
Larose, P.
Pratte, Henriette.
Richard, A.

Nursing

Gendron, Rev. R., M.A., S.T.L. Univ. Representative.
Françoise de Chantal, Rev. Sr., B.Sc. Director of Undergrad. Studies and Prof.
Stock, Joan, B.Sc.N. Actg. Dir. of Postgrad. Studies and Prof.
Élizabeth-Marie, Rev. Sr. Secretary and Prof.
Saint-Martial, Rev. Sr. Councillor.

Lecturers

Adam, Raoule.
André-Marie, Rev. Sr.
Barnhart, W. S., M.D.
Bedard, O. B., B.A., M.D.
Bernadette du Rosaire, Rev. Sr.
Bonfield, J. P., M.D.
Caron, Rev. D., B.A., Ph.L., S.T.L.
Church, R. H., M.D.
Clarke, J. L., M.D.
Coupal, J., M.D.
Couture, E., M.C., B.A., M.D.
Day, J. J., M.D., D.Ph.
de Saint-Victor, H., B.A., M.D.
Doane, A. R., M.D.
Ewing, J. B., M.D., C.M , F.R.C.S.
Gagné, R., M.D.

Gaulin, A., B.Pharm.
Girard, Alice, M.A., B.Sc.
Gravel, Rev. J., B.A., Ph.L., S.T.B.
Grimes, S. E., M.D., M.C.
Hélène-de-Marie, Rev. Sr.
Hélène-de-Rome, Rev. Sr.
Houze, M., M.D.
Hurtig, A., M.D.,
Irwin, G. E., B A., M.D.
Joseph-Edmond, Rev. Sr.
Joseph-Ferdinand, Rev. Sr.
Law, W., M.D.
Malo, R. F., M.D.
Maloney, P. J., M.D.
Marie-Fernande, Rev. Sr.
McIlraith, Kate.
Paul-Armand, Rev. Sr.
Powers, A., B.A., M.D.
Richard, A. L., B.A., M.D.
Robert, Juliette.
Rossignol, J. C., M.D.
Saint-Martial, Rev. Sr.
Taillon, Mrs. S. Flavelle.
Thibaudeau, Rev. Sr.
Viau, H., B.A., M.D.
Watkinson, E. A., D.Ph., M.D.

Philosophy, Faculty of

Trudel, Rev. R., B.A., Ph.D., S.T.L., J.C.B., Dipl. Ph., Dipl. Psychol. Paris Dean of Fac.
Ducharme, Rev. S., B.A., Ph.D. Vice-Dean.
Carrière, Rev. G., B.A. Ph.D., S.T.L. Sec.
Cloutier, Rev. G., B.A., Ph.D., S.T.L. Prof.
Beauchamp, Rev. M., Ph.D., S.T.L. Prof.
Normandin, Rev. R., Ph.D., S.T.L. Prof.
Ostiguy, Rev. R., B.A., Ph.D., S.T.L. Prof.
Petrin, Rev. J.-C., Ph.D. Montr., S.T.L. Prof.
Saint-Denis, Rev. H., B.A., B.Pæd. Tor., Ph.D., S.T.D. Rome Prof.
Allard, J. L., B.A., Ph.L. Lectr.
Bellemare, Rev. R., B.A., Ph.L., S.T.L. Lectr.
Chagnon, M., M.A., Ph.D. Lectr.
Croteau, Rev. J., M.A., Ph.L., S.T.L. Lectr.
Ducharme, Rev. L., B.A., Ph.L., S.T.L. Lectr.
Forcier, Rev. G., M.A. Lectr.
Gagnon, Rev. G., B.A., Ph.L. Lectr.
Gratton, Rev. H., M.A., Ph.L., S.T.L. Lectr.
Joly, J. M., M.A. Lectr.
Shevenell, Rev. R., M.A., Ph.D. Lectr.
Stroick, Rev. C., S.T.D. Bonn Lectr.

Political Science

Guay, Rev. A., B.A., Ph.L., S.T.L., J.C.D. Director.
Bélanger, Rev. J. M., B.A., L.Ph., L.T.H. Asst. Dir.
Forcier, Rev. G., M.A. Sec.

Lecturers

Bélisle, J. L., B.A , LL.L. Laval.
Blanchette, A., M.A., Ph.D.
Brault, Rev. F., M.A., Ph.L., S.T.L.
Brault, L., M.A., Ph.D.
Casselman, H., B.A., B.Stat., M.A., D.Sc.Com., Ph.D. (Sc. Pol.).
Chu, C. C., M.A., Ph.D.
Cousineau, R., B.A., M.S.C.
Moloughney, W., M.A., Ph.D.
Rodys, W., LL.D. Petersbourg, Berlin.

Physical Education, Institute of

Montpetit, Rev. M., B.A. Director.
Barette, Denise, B.A.
Côté, Rev. P., B.A.
Dion, R., M.A. New York (Ph. Educn.).
Pilon, Lucien.

Bériault, R., M.A., L.Ph.
Gauthier, B.

Psychology, Institute of

Shevenell, Rev. R , M A., Ph.D. Director and Prof.
Morisset, Juliette Secretary.
Chagnon, M., M.A , L Ph.
Cloutier, Rev. G , B.A., Ph.D., S.T.L.
Côté, F.-H., B A , M D., M.S., F.R.C.S.
Cyr, H., M.A , B.Pæd. Tor.
Dayhaw, L., Ph.D. Louvain.
Gratton, Rev. H., M A., Ph.L , S.T.L.
Labrosse, Eva, M A.
Paplauskas-Ramunas, A., M Litt., D P.H. Kaunas.
Szyrynski, V., M.D., Ph.D.

Theology

Bélanger, Rev. M., Ph.L., S.T.D Rome Dean of Fac
Gervais, Rev. J., S T D , Ph L. Rome Sec.
Caron, Rev. V., S.T.D., Ph D. Rome Vice-Dean
Allie, Rev. J. L., S.T D., Ph.L. Prof.
Cornellier, Rev. P., B.A., Ph.D., S.T.D. Prof.
Poulet, Rev. D., S.T.D., S.S.L. Rome Prof.
Simard, Rev. G., S.T.D., Ph.D. Prof.
Champagne, Rev. J., Miss.D., Ph.L. Rome Asst. Prof.
Gilbert, Rev. M., S.T.D., Ph.L. Rome Asst. Prof.
Marcotte, Rev. E., M.A., Ph.L., S T.D. Asst. Prof.
Bellemare, Rev. R., B A., Ph L , S.T.L. Lectr.
Chaput, Rev. R., Ph.L., S.T.L., J.C.L.
Drouin, Rev. P., Ph.L., S.T.L. Lectr.
Giroux, Rev. M., M.A., Ph.L., S.T.L. Rome Lectr.
Guindon, Rev. R., B.A., Ph.L., S.T L. Lectr.
Ioppolo, Rev. A., Ph.D., S.T.L. Rome Lectr.
Lesage, Rev. G., M.A., Ph.D., Sc.S D., S.T.D., J.C.D. Lectr.
Pagano, Rev. S., S.T.L., S S L , Ph.D. Rome Lectr
Seumois, Rev A , Miss D Rome
Vézina, Rev. L.-P , Ph L , S T.L., J.C.L. Lectr.

High School

Pigeon, Rev. L.-P., B.A., Ph.L., S.T.L., B.Pæd. Montr. and Tor. Principal.

Normal School

Lamoureux, Rev. R., B.A., Ph.D., S.T.B. Principal.

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.

AFFILIATED INSTITUTIONS. Notre-Dame College, Ottawa ; Bruyère College, Ottawa ; Mathieu College, Gravelbourg, Saskatchewan ; The Seminary, Ottawa ; Sacred Heart College, Regina, Sask. ; Collège St-Jean, Edmonton, Alta. ; Notre-Dame College, Wilcox, Sask. ; St. Thomas College, Battleford, Sask. ; Sacred Heart Scholasticate, Lebret, Sask. ; St. Jerome's College, Kitchener, Ont.

LIBRARY, 145,000 vols. The Parliament Library, to which students have access, has 300,000 vols. MUSEUMS: In the Univ.—Geol. and Natural Hist.; access also to Geol. Survey Dept. Museum. The Dominion Observatory and Canadian Fisheries Museum are located in Ottawa. LABORATORIES: Chem., Phys., Biol.

FACULTIES. Theology (Dean: Rev. M. Bélanger), Canon Law (Dean: Rev. A. Caron), Philosophy (Dean: Rev. R. Trudel), Arts (Dean: Rev. R. Lavigne). Incorporated in the Univ. are Schools of Applied Science (Director: Dr. L. Cloutier), of Medicine (under the direction of a Provisory Council of 7 members), of Music and Elocution (Director: Rev. J. Martel), of Nursing (Principal: Rev. R. Gendron), of Political Science (Director: Rev. A. Guay), of Catholic Action (Director: Rev. A. Guay), Library School (Director: Rev. A-M. Morisset), a Normal School (Principal: Rev. R. Lamoureux), and a High School (Principal: Rev. L.-P. Pigeon).

INSTITUTES. Inst. of Psychology (Director: Rev. R. Shevenell); Inst. of Physical Education (Director: Rev. M. Montpetit); East and South European Institute (Director: T. F. Domaradzki).

DEGREES. *Theology*—B.Th. (2 yrs.), L.Th. (4 yrs.), D.Th. (5 yrs.), D.Th. in Missiology (3 yrs.). *Canon Law*—B.J.C. (1 yr.), L.J.C. (2 yrs.), D.J.C. (3 yrs.). *Philosophy*—B.Ph. and B.A. (2 yrs.), L.Ph. and M.A. (3 yrs.), D.Ph. (4 yrs.). *Law*—LL.D. (Honoris Causa tantum). *Medicine*—M.D. (6 yrs.). *Arts*—B A. (4 yrs. or 5 yrs.), B.Sc. (4 yrs.), B.Com. or B.B.A. (4 yrs.), M.A., Ph D., D.Lit. *Social and Political Science*—B.A. (4 yrs.), B.Sc.S.P. (5 yrs.), L.Sc.Pol., D.Sc.Pol. *Nursing*—B.Sc.Inf. (5 yrs.). *Library Science*—B.L.Sc., M.L.Sc. *Psychology, Inst. of*—B.A. (4 yrs.), B.Ed. (4 yrs.), B.Psych. (5 yrs.). *Physical Education*—B.Sc. Degree courses in Fac. of Law from Sept. 1950.

DIPLOMAS. Graduate studies, School of Applied Science or Engineering (2 yrs.), School of Nursing (3 yrs.), School of Library Science, School of Music.

DIRECTOR OF SUMMER COURSES in Arts, Philosophy and Psychology: Rev. P. Dufour, M.A., D.Ph. Chicago.

DIRECTOR OF CORRESPONDENCE COURSES in Arts: Rev. E. Royal, M.A., L.Ph., D.Ph. Rome.

FEES. For Tuition only, $125 to $325 p.a. For Board and Residence and Tuition, $375 to $480 p.a. Degrees from $5 to $75.

RESIDENCE. Accommodation for 450.

PUBLICATIONS. *Revue de l'Université d'Ottawa* (quarterly, $3.00 a year); *Calendar of the High School Department*; *Calendar of the Faculty of Arts*; *Calendar of the Sch. of Medicine*; *Calendar of the Sch. of Applied Science*; *Calendar of the Sch. of Nursing*; *Almanach de l'Université d'Ottawa*; *Publications Sériées* (29 vols. already published); *Announcement of the Canonical Faculties*; *University of Ottawa Normal School Year Book*; *Examination Papers in Arts* (35 cts. for each set); *Annuaire du cours d'immatriculation*; *Annuaire de la faculté des arts*; *Programme d'études des facultés canoniques*; *Questions d'examens d'immatriculation et de la faculté des arts*; "*The Fulcrum*"; "*La Rotonde.*"

THE YEAR 1948–49

Centenary Celebrations of the Univ. took place in Oct. 1948, the College of Bytown, which became the Univ. of Ottawa in 1866, having been founded in 1848.

BENEFACTIONS. Prov. Govt. of Ontario, $100,000.

OTHER DEVELOPMENTS. New Schools established in Sept. 1949: School of Graduate Studies; Institute of Physical Education; East and South European Institute; School of Political Science (undergraduate course).

EXTRA-MURAL WORK. 641 students.

HONORARY DEGREES. *LL.D.*—A. Bélanger, Ottawa; Rt. Rev. Msgr. J.-H. Chartrand, Ottawa; Hon. A. Fortier, Hull, Quebec; J. Gréber, Paris; Rev. W. Laverdière, Laval Univ.; Hon. Ray Lawson, O.B.E., Lt.-Governor of Ontario and Visitor of the Univ. of Ottawa; Hon. C. P. McTague, Toronto; H.E. the Hon. Robert Schuman, Paris; H.E. Count Carlo Sforza, Rome; Sir A. J. Walsh, Lt.-Governor of Newfoundland.

STUDENTS. Total: 3687; full-time: 2065; pt.-time: 1622. The total includes 1132 women and 143 postgraduates.

DEGREES AND CERTIFICATES. S.T.D., 2; S.T.L., 20; S.T.B., 34; J.C.D., 4; J.C.L., 3; J.C.B., 2; D.Ph., 1; L.Ph., 24; B.Ph., 43; Ph.D. (Fac. of Arts), 8; M.A., 19; L.Pol.Sc. (M.A.), 3; B.A., 193; B.Sc., 19; B.Com., 24; B.Sc.Inf., 1; B.L.Sc., 3. *Certificates.* Public Health Nursing, 9; Nursing, 17; Library Sc., 2; Music, 12; Applied Science, 13; Translation, 19.

QUEEN'S UNIVERSITY
KINGSTON, ONTARIO

Founded 1841

CHANCELLOR—The Hon. CHARLES AVERY DUNNING, P.C., LL.D.

CHAIRMAN OF THE BOARD OF TRUSTEES—J. M. MACDONNELL, M.C., K.C., M.A., LL.D., M.P.

PRINCIPAL AND VICE-CHANCELLOR—ROBERT C. WALLACE, C M.G., M.A., D.Sc , Ph.D., LL D., F.G.S , F.R.S C.

RECTOR—L. W. BROCKINGTON, C.M G., K.C., D.C.L , LL.D.

VICE-PRINCIPAL—W. A. MACKINTOSH, C.M.G., M.A., Ph.D., LL.D., F.R.S.C.

REGISTRAR—JEAN I. ROYCE, B.A.

DEAN OF WOMEN—A. VIBERT DOUGLAS, M.B.E., M.Sc., Ph.D., F.R.A.S.

LIBRARIAN—H. P. GUNDY, M.A.

TREASURER—M. C. TILLOTSON, M.B.E., B.Com., M.B.A.

ASSISTANT REGISTRAR—K. JEAN RICHARDSON, B.A.

MEDICAL OFFICER—P. M. MACDONNELL, M.A., M.D., C.M.

UNIVERSITY CHAPLAIN AND ADVISER TO VETERANS—Rev. A. M. LAVERTY, B.A., B.D. Tor.

CHIEF PROCTOR—H. J. STYLES, M.S.

TEACHING STAFF

Arts and Applied Science

Accounting

Smails, R. G. H., B.Sc. (Econ.) Lond. (v. also Com.) Prof.
Macpherson, L. G., B.A. Brandon Assoc. Prof.
Smyth, J. E., M.Com. Tor. Asst. Prof.
Leonard, W. G. Asst. Prof.

Art

Biéler, A. Assoc. Prof.
Macdonald, G. Asst.

Banking

Knox, F. A., B.A., F.R.S.C. (v. also Pol. and Econ. Sci.) Prof.

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. Prof.
West, A. S., B.Sc. Mass. State, Ph.D. Yale (Zoology) Prof.
Curran, H. W., B.S. Hobart, M.A., Ph.D. Mich. (also Director, Biological Station) Assoc. Prof.
Good, H. M., B.A., Ph.D. Tor. Asst. Prof.

17 Tutors.

Chemistry, v. also Engin.

McRae, J. A., Ph.D. Manc., M.A., F.R.I.C., F.R.S C. Prof.
Frost, G. B., B.A. Tor., Ph.D Calif. Prof.
Munro, L. A., M.A Dal., Ph.D. McG., F.R.S.C., F.C.I.C. Prof.
Logan, J. F., B.A. Acadia, A.M. Yale, Ph.D. McG., F.C.I.C. (Biochem) Assoc. Prof.
Dorrance, R. L., M.A. Tor. Assoc. Prof.
Smith, W. M., B.Sc. New Br., Ph.D. McG. and Camb. Assoc. Prof.
Moir, R. Y., Ph.D. McG., M.A. Asst. Prof.
Ott, W. L., B.Sc. Instr.
2 Fellows, 16 Tutors.

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

Mackintosh, W. A., C.M.G , Ph.D. Harv., LL.D. Manit., M.A., F.R.S.C. (v. also Pol. and Econ. Sc.) Director.
Smails, R. G. H., B.Sc. (Econ.) Lond. (Commerce) Prof.
Curtis, C. A., B.A. Tor., Ph.D. Chic., F.R.S.C. (Economics) Prof.
Knox, F. A., B.A., F.R.S.C. (Economics) Prof.
Poole, W. H., M.A. Alta. (Commerce) Prof.
McDougall, J. L., M.A. Tor. (Commerce) Prof.
Macpherson, L. G., B.A. Brandon (Commerce, v. also Accounting) Assoc. Prof.
Urquhart, M. C., B.A. Alta. (Economics) Assoc. Prof.
Leonard, W. G. (Commerce, v. also Accounting) Asst. Prof.
Smyth, J. E., M.Com. Tor. (Commerce, v. also Accounting) Asst. Prof.
9 Tutors.

Drama

Angus, W., A M , Ph D. Cornell Assoc. Prof.

Economics, v. Polit. and Econ. Sc.

Engineering, v. also Mining E.

Ellis, D. S., D.S.O., M.C.E. Cornell, B.Sc., M.A. (Civil E.) Prof. and Dean of Fac. of App. Sc.
Conn, H. G., O.B.E., M S. Mich., B.Sc. (Mech. E.) Prof.
Campbell, J. S., M.Sc. (Mech. E) Prof.
Jemmett, D. M., D C.M , M A., B.Sc. (Elect. E.) Prof.
Jackson, A., B.Sc. (Drafting) Prof.
Plewes, A. C., Ph.D. McG., M.Sc. (Chem. E.) Prof.
Stewart, H. H., M.S. Mich., B.Sc. (Elect. E.) Prof.
Lash, S. D., M.Sc. Lond., Ph.D. Birm., D.I.C. (Civil E.) Prof.
Brooks, J. W., B.Sc. (Civil E.) Assoc. Prof.
Pollock, H. S., M.Sc. (Elect. E.) Assoc. Prof.
Styles, H. J., M.S. Mich., B.Sc. (Drafting) Assoc. Prof.
Lee, J. D., M S. Iowa, B.Sc. (Civil E.) Asst. Prof.
Low, R. A., M.C.E. Cornell, B.Sc (Civil E.) Asst. Prof.
Gilbert, W. D., S.M. Mass. Inst. Tech., B.Sc. (Mech. E.) Asst. Prof.
Kennedy, R. J., B.Sc. (Civil E.) Asst. Prof.
Marshall, D. W., M.A.Sc. Tor. (Chem. E.) Asst. Prof.
Dauphin, E. L., M.S. Ill., B.Sc. (Civil E.) Lectr.

Edwards, H. M., B.Sc. (Civil E.) Lectr.
Doherty, R. A., B.Sc. (Elect. E.) Lectr.
Salomon, C. S. M., B.Sc. McG. (Mech. E.) Lectr.
Collum, J. D. L., B.Sc. Br. Col. (Elect. E.) Instr.
Halme, S. E., B.Sc. (Elect E.) Instr.
King, G. L., B.Sc. (Elect. E.) Instr.
29 Demrs. and Tutors.

English

Alexander, H., M.A. Liv., F.R.S.C. Prof.
Roy, J. A., M.A. Edin. Prof.
Vincent, C. J., B.A. W. Ont., A.M., Ph.D. Harv. Prof.
Gordon, Wilhelmina, M.A. Assoc. Prof.
Walker, E. A., M.A. Camb. Asst. Prof.
Edinborough, A., M.C., M.A. Camb. Asst. Prof.
11 Tutors.

French

Evans, W. H., B.A., D. de l'U. Paris Prof.
Shortliffe, G., M.A. Alta., Ph.D. Cornell Assoc. Prof.
Fauconnier, R. L., L. ès L. Asst. Prof.
Ogier, J., L. ès L. Poitiers Lectr.
McConnell, Mme. Jeanne M., B.S., C.A.P. Paris Instr.
2 Tutors.

Geology and Mineralogy

Hawley, J. E., Ph.D. Wisc., M.A., F.R.S.C., F.G.S.A. (Mineral.) Prof.
Ambrose, J. E., A.B. Stanford, Ph. D. Yale, F. R. S. C., F.G.S.A. (Geol.) Prof.
Rose, B., Ph.D. Yale, B.Sc., F.R.S.C., F.G.S.A. (Geol.) Prof.
Berry, L. G., M.A., Ph.D. Tor., F.G.S.A. (Mineral.) Assoc. Prof.
Macdonald, R. D., M.Sc. Alta., Ph.D. Princeton, M.A. (Geol.) Asst. Prof.
Harrison, J. M., B.Sc. Manit., M.A., Ph.D. Lectr.
11 Tutors.

German

Laird, Hilda C., Ph.D. Cornell, B.L S. Pratt, B.A. Prof.
Bentley, C. A., Ph.D. Vienna Lectr.
1 Tutor.

Hebrew, v. Semitic Langs.

History

Trotter, R. G., B.A. Yale, A.M., Ph.D. Harv., D.C.L. Acadia, F.R.Hist.S., F.R S.C. (Canadian and Colonial H.) Douglas Prof.
Harrison, W. E. C., O.B.E., M.A. Lond. Prof.
Lower, A. R. M., M.A. Tor., Ph.D. Harv., F.R.S.C. Prof.
Smith, Rev. W. E. L., M.C., M.A. Tor., Ph.D. Edin. Asst. Prof.
Frazer, G., B.A. Tor. Lectr.
3 Fellows, 7 Tutors.

Italian, v. Spanish

Mathematics

Jeffery, R. L., B.A. Acadia, M.A., Ph.D. Cornell, F.R.S.C. Dupuis Prof.
Miller, N., Ph.D. Harv., M.A. Prof.
Wood, F. M., M.A., B.Sc. Prof.
Douglas, A. Vibert, M.B.E., M.Sc., Ph.D. McG., F.R.A.S. (Astronomy) Act. Prof.
Edgett, G. L., M.A. Mt. A., Ph.D. Ill. Assoc. Prof.
Halperin, I., M.A. Tor., Ph.D. Princet. Assoc. Prof.
Goodspeed, F. M. C., B.Sc. Manit., M.A. Tor., Ph.D. Camb. Asst. Prof.

Ellis, H. W., M.Sc. Acadia, Ph.D. Tor. Lectr.
Damsteeg, I. C., B.A. Instr.
Hutton, J. W., B.A. Instr.
4 Tutors.

Medicine, v. *infra*

Metallurgy

Lord, T. V., B Sc. Prof.
Carson, O. A., A.M., Ph.D. Col., B.Sc. Assoc. Prof.

Mining Engineering

Corlett, A. V., B.Sc. Prof.
1 Asst.

Music

George, G., Mus.Doc. Tor. Assoc. Prof.

Philosophy

Duncan, A. R. C., M.A. Edin. Prof.
Estall, H. M., M.A. McGill, Ph.D. Cornell Assoc. Prof.
Day, J. P. de C., B.A., B.Phil. Oxon. Lectr.
5 Tutors.

Physics

Robertson, J. K., M.A. Tor., F.R.S.C. Prof.
Gray, J. A., O.B.E., D.Sc. Manc., F.R.S., F.R.S.C. Chown Science Research Prof.
Watson, E. E., M.Sc. McG., Ph.D. Camb. Prof.
Harkness, H. W., M.Sc., Ph.D. McG., B.Sc., B.A. Prof.
Cave, H. M., Ph.D. Camb., M.A. Prof.
Hughes, J. V., B.Sc., Ph.D. Lond., D.I.C., F.I.P. Assoc. Prof.
Roberts, D. T., B.Sc. Bristol, Ph.D. Birm. Asst. Prof.
Elliott, H. A., M.A. Camb., Ph.D. Brist. Lectr.
Forsyth, W. J., B.Sc. Instr.
17 Tutors.

Political and Econ. Science

Mackintosh, W. A., C.M.G., Ph.D. Harv., LL.D. Manit., M.A., F.R.S.C. Sir John A. Macdonald Prof.
Curtis, C. A., B.A. Tor., Ph.D. Chic., F.R.S.C. Prof.
Knox, F. A., B.A , F.R.S.C. Prof.
Corry, J. A., LL B. Sask., B.C.L. Oxon., LL.M., F.R.S.C. Hardy Prof.
Cameron, J. C., M Com. Head, Industrial Relations Section, Prof.
Poole, W. H., M.A. Alta. Prof.
McDougall, J. L., M.A. Tor. Prof.
Macpherson, L. G , B.A. Brandon Assoc. Prof.
Crawford, K. G., M.A. West. Hd., Inst. of Local Govt. and Assoc. Prof.
Curtis, C. H., M.A. (Industrial Relations) Assoc. Prof.
Urquhart, M. C., B.A Alta. Assoc. Prof.
Hodgetts, J. E., M.A. Tor., Ph.D. Chic. Asst. Prof.
Malach, V. W., Ph.D. Lond., B.A., B.Com. Lectr.
Grey, R. Y., B.A. Lectr.
Meisel, J., M.A. Tor. Instr.
17 Tutors.

Psychology

Blackburn, J. M., B.Sc. Lond., Ph.D. Camb. Prof.
Gatch, Helen L., M.A. Tor. Lectr.
Easterbrook, J. A., B.A. Instr.
13 Tutors.

Russian

Krotkov, Valentina N., B.A. Moscow, M.A. Tor. Instr.

Semitic Langs. and Lit.

Kent, Rev. H. A., M.A. Dal., D.D. Montr., LL.D. Mt. A., F.R.S.A. (Hebrew and Relig. Knowledge) Prof.

Gilmour, Rev. S. M., B.A. Manit., B.D. Union, Ph.D. Chic., D.D. Montr. (Hebrew and Relig. Knowledge) Asst. Prof.

Spanish and Italian

Fox, A. M., M.A. Tor. (Spanish) Asst. Prof.
Garnham, Margaret E., M.A. Tor. (Spanish) Lectr.
Schaffter, Catherine, B.A. West. Instr.
3 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. Lectr.
Milligan, A. D., M.D., C.M. Clinical Asst.
Mahood, J. H. S., B.A., M.D., C.M. Clin. Tutor.

Anatomy

Matheson, D. C., M.B. Prof.
Sloane, M. W. M., M.S. Mich., M.D., C.M. Asst. Prof.
2 Fellows.

Bacteriology

Reed, G. B., O.B.E., M.A., B.Sc., Ph.D. Harv., F.R.S.C. Prof.
Orr, J. H., M.D., C.M., F.R.C.P. Can. Prof.

Biochemistry

MacLeod, R. A., M.A. Br. Col., Ph.D. Wisc. Asst. Prof.
1 Asst.

Embryology

Kropp, B., A.M., Ph.D. Harv. Assoc. Prof.

Eye, Ear, Nose, and Throat

Cays, F. A., M.D., C.M., F.R.C.S.Can. Prof.
O'Connor, F. X., M.D., C.M. Lectr.
McBroom, J. G., M D., C.M. Clin. Asst.
MacPherson, G. B., B.A., M.D., C.M. Clin. Asst.

Gynæcology, v. Obstetrics and Gynæcol.

Med. Jurisprudence

Macdonnell, P. M., M.A., M.D., C.M. (also Med.) Lectr.
Rigney, T. J., K.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. Assoc. Prof.
Hopkins, B. H., M.B. Tor. Asst. Prof.
White, D. N., M.A., M.B., B.Chir. Camb., F.R.C.P. Can. Asst. Prof.
Robinson, S., M.D , C.M. Lectr.
Tweddell, J. T., M.D., C M. Lectr.
O'Connor, F. D., M.D., C.M. Lectr.
Danby, C. W. E., M.D., C.M. Lectr.
Kelly, H. G., M.D., C.M., F.R.C.P. Can. Lectr.
Bird, H. G., M.B. Tor., F.R.C.S. Can. Clin. Asst.
Gibson, J. E., B.A., M.D., C.M. Clin. Asst.
Lugsdin, G., B.A., M.D., D.Psych. Tor. Clin. Asst.
Dingwall, R. W., M.D., C.M., M.Sc. (Med.) Clin. Asst.
McCracken, G., F.R.F.P.S. Glas. Clin. Asst.
Fireman, H. H., M.D. Clin. Tutor.
Green, N., M.D. Clin. Tutor.
1 Fellow.

Obstetrics and Gynæcology

Robertson, E. M., M.B., Ch.B. Edin., F.R.C.O.G., F.R.C.S. Ed., F.R.C.S.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.
Cameron, E. G., M D., C.M. Clin. Tutor.
Johnston, L. W., M D. Alta. Clin. Tutor.

Pathology

Hamilton, J. D., M.D. Tor. Prof.
Hay, W D., M.A , M D., C.M. Assoc. Prof.
McLean, C. R., M.D., C.M., M.Sc. Asst. Prof.
2 Fellows.

Pædiatrics

MacGregor, R. R , M.D., C.M., F.R.C.P.Can. Prof.
Delahaye, J. S., M.D., C.M. Lectr.

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.
Sawyer, Margaret E. M., M.A., Ph.D. McG. Asst. Prof.
2 Tutors, 2 Fellows.

Psychiatry

McCuaig, C. H., M.D., C.M. Prof.
Lynch, D. O., M.D., C.M. Asst. Prof.
Batstone, H. L., B.Com., M.D., C.M. Clin. Asst.
O'Connor, M. J., M.D., C.M. Clin. Asst.
Billings, R. M., M.D., C.M. Clin. Asst.
Scott, G. D., M.D., C.M. Clin. Asst.

Public Health and Preventive Medicine

Wyllie, J., M.A., B.Sc., M.D. Glas., D.P.H. Camb. Arthur R. Elliott Prof.
Boyd., A. R. J., B.A. Sask., M.D. McG., D.P.H. Tor. Lectr.

Radiology and Physical Therapy

Jones, W. A., O.B.E., M.D. Western, F.R.C.P.Can., F F.R. Prof.
Burr, R. C., M.D., C.M , F.R C S. Ed., F.R.C.S.Can. Assoc. Prof.

Surgery

Bingham, D. L. C., M B., Ch.B. Edin., F.R.C.S.Ed , F.R.C.S. Can., F.A.C.S. Prof.
Houston, S. W., M.D., C.M., F.R.C.S.Ed., F.R.C.S.Can. Assoc. Prof.
Boucher, D. W., M.D., C.M., F.R.C.S Ed , F.R.C.S.Can. Assoc. Prof.
Koster, B. M., M D., C.M. McG. Lectr.
Broom, J. C. W., D D S. Tor. (Dental S.) Lectr.
Tilley, A. R , O B.E., M.D. Tor. (Plastic Surgery) Lectr.
Lindsay, G. C., M.D , C.M. Clin. Asst.
Tweddell, T. N., M.D., C.M., F.A.C.S. Clin. Asst.
Warner, H. M., B.Sc., M.D., C.M. McG. Clin. Asst.
Dunlop, H. W., M.D., C.M. Clin. Tutor.
Johnson, J. B., M.B., Ch.B. Clin. Tutor.
Scott, D. M., M.D., C.M. Clin. Tutor.
Mickleborough, K., M.D. Clin. Tutor.
Vechter, M., M.D., C.M. Clin. Tutor.

Urology

Berry, N. E., M.D., C.M. Prof.
White, E. P., M.D., C.M., F.R.C.S. Ed. Clin. Asst.

Nursing

Weir, Jenny, B.Sc. Alta., M.A. Col. (Pub. Health) Lectr.

Wilson, G. E., M.D. Tor. (Mental Hyg.) Instr.
Allemang, Margaret, B.A., B.Sc. Instr.
Moulton, Evelyn Instr.
Smith, Shirley, M.A. Instr.

Physical and Health Education

Bartlett, F. L., B.A. Tor. Director.
Edwards, J. F., M.A. (P.E.) Mich., B.A. Assoc. Prof.
Ross, S. Marion, M.A. Col., B.A. Asst. Prof.
Tindall, F., A.B. Syracuse Asst. Prof.
Hawkins, Diana Instr.
King, Kathleen, B.Sc. McG. Instr.

AFFILIATED COLLEGE

QUEEN'S THEOLOGICAL COLLEGE. Principal and Prof. of Hebrew and Old Test. Criticism and Exegesis, Rev. H. A. Kent, M.A., D.D., LL.D. 3 other Profs.

GENERAL INFORMATION

Queen's College, Kingston, was founded by Royal Charter in 1841. For early history, *see Yearbook* for 1929.

The administration is vested in a Board of Trustees, composed of Chancellor, Principal, and Rector, representatives of the Council, Theological College, the Graduates and Benefactors, and 12 members selected by the Board.

LIBRARY (The Douglas Library). 256,630 catalogued vols., including many scarce books and early editions, 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, Mechan., Metall., Mineral. OBSERVATORY with 6″ telescope. 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. Arts, Prof. W. A. Mackintosh (Pol. and Econ. Sci.); Applied Science, Prof. D. S. Ellis (Civil Engin.); Medicine, Prof. G. H. Ettinger (Physiol.). The Senate includes representatives of the Theological College and the Faculties of Arts, Applied Science and Medicine also.

DEGREE COURSES. 3 yrs. from Senior Matriculation, Pass B.A.; 4 yrs. from Senior Matriculation, B.A. with Honours, B.Sc. (in Engin.—Civ., Mech., Elec., Min., and Metall., Chem. and Metall.—Analyt. and Applied Chem., Mineral. and Geol., 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.); D.Sc. (2 yrs. after M.D.); Ph.D. (3 yrs.); B.D. (3 yrs.' course or its equivalent); Honorary: LL.D., D.D.

DIPLOMAS. Public Health Nursing (1 yr.); Teaching and Supervision in Hospital Schools of Nursing (1 yr.); Public Health (D.P.H.), 2 yrs.; Medical

Radiology (D.M.R.), 4 yrs., including training in recognized Radiol. Dept.; Diploma in Laboratory Technique, 12 mos.; Testamur in Theology, 3 yrs.

FEES per annum (Class, examn. and Student Interests) in Arts, $230.50; Appd. Science, $325.50; Med, first yr., $330.50; other yrs., $352.50; Phys. and Health Educn., first, second and third yrs., $265.50; fourth yr., $289.50; Nursing, first yr., $225.50; fifth yr., $247.50.

SCHOLARSHIPS AND FELLOWSHIPS. There are a large number of entrance scholarships varying in value from $20 to $900 p.a. and open to students entering all Faculties. *The Sir James Aikins Fellowship in Canadian History*, $400, and the *Western Ontario Graduates Fellowship in History*, $320, are open to distinguished graduates proceeding to further work in this subject. Two resident Arts research fellowships of $500 and one of $300 are open to men and women who have taken to Hon. B.A. degree at Queen's or an equivalent degree elsewhere. *The George Christian Hoffman Fellowships*, (i) for pathological research, (ii) for further study in surgery, awarded for study in some institution or University in Europe or the United States approved by the Senate. *The C.I.L. Fellowship in Chemistry and Chemical Engineering*, $1000, is open to graduates of Queen's or other Univs. who wish to do research in Chemistry or Chem. Engin. *The Shell Oil Fellowship*, $750 plus tuition, is for graduate work in Chemistry, Chem. Engin., Mech. Engin., Geol., Physics, Geophysics. *The Ernest Mahler Fellowship* of $750 and *the Adolph S. Ochs Fellowship* of $750, given by the Spruce Falls Power and Paper Co., are awarded for graduate work in Chemistry, Chem., Mech., Elect., or Civil Engin. Applicants must be Canadian citizens. *The Cominco Fellowship* of $750, founded by the Consolidated Mining and Smelting Co. of Canada, Ltd. The holder of this fellowship shall carry on an investigation related to the general field of non-ferrous metals, chemicals, or fertilizers in which the Consolidated Mining and Smelting Co. of Canada, Ltd. is interested. Applicants must be graduates in Sci. or Engin. of a recognized Univ. and preferably British subjects resident in Canada. *The Inco Scholp.* of $500, established by the International Nickel Co. of Canada for graduate work in Chemistry, Chem. Engin., Mining, Metallurgy, Geol. and Mineral. Post-graduate Scholp. in Chem. Engin. of the value of $300 awarded to a student at the end of the fourth year of the Chem. Engin. course on the basis of ability, academic record, character and personal qualifications. *J. B. Tyrrell Scholp. in Economic Geol.*, $500, for graduate work in Economic Geology. *The George MacBeth Milligan Fellowship in Philosophy*, $400, is awarded for research work in Philos. This fellowship is open to graduates of Queen's or elsewhere. There are two fellowships in Chem. open to graduates of approved Universities.

RESIDENCE with rooms for 166 women students and refectory accommodation for 315. Board and lodging in the women's residence for 1948–49 was from $310 to $360 for the full session. The Students' Union provides meals for men at $7.50 to $8.50 a week and accommodates about 1000.

HOUSING BUREAU. Under normal conditions, most of the students attending Queen's Univ. find housing accommodation in private homes throughout the city of Kingston. The Univ. has no men's dormitories, but has a women's residence with 5 annexes which house 166 women students.

The post-war increase in registration from approx. 1800 to 3000 necessitated special measures to obtain the required accomm. A Housing Office with a full-time secretary in charge was established. Extra temporary dormitory accomm. was arranged for 104 single women and for 150 single men. Temporary apartments were either constructed or otherwise arranged for 100 married students with or without children.

UNIVERSITY EXTENSION. (Director: Harry K. Hutton, M.A., B.Paed.) 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 August), or two winter sessions, or one winter session and three Summer Schools. (Director: H. L. Tracy, B.A., Ph.D.) 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, Sculpture, Conversational French and Salesmanship.

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 Faculties); *Queen's Quarterly*; *Queen's Univ. Journal*; *Queen's Review* (Gen. Alumni Assoc.).

THE YEAR 1948–49

BENEFACTIONS. Harry Abramsky, $500 for the Harry Abramsky Scholp.; Anonymous, $25,000, $2800 and $1250; Ban Righ Hall Board of Queen's Univ., $6400 for women's residence extension; Dr. H. G. Bertram, $5000 for the Bertram Fund for Improving Teaching in Mechanical Engin.; The Brookland Co. Ltd., $500 for the Brookland Prize in Radio Research; Dr. M. Brown, $500 for the Professor's Fund of the Dept. of Medicine; Canadian Industries Limited, $1250 for the C.I.L. Fellowship and $60,000 for the C.I.L. Chemistry and Chemical Engin. Endowment Fund; Dr. E. A. Collins, $7500 for the Admin. Bldg.; Consolidated Mining and Smelting Co. of Can. Ltd., $1200 for the Cominco Fellowship; Hon. W. R. Davies, $1000 for the Senator Davies Poetry Prize and the Whig-Standard Essay Prize; T. Eaton Co., $1000 for special campaign advertising; Mrs. F. Etherington, $3400 for work in Art and Music; Mrs. A. C. Hardy, $16,000, and Hon. A. C. Hardy, $2000, for the professorship in Political Science; numerous contributors, $17,725 for endowment and maintenance of special work in Industrial Relations; International Nickel Co. Ltd., $500 for the Inco Scholp.; Kennecott Copper Corp., $750 for scholps.; Rt. Hon. W. L. M. King, $2500 for the Skelton Memorial Fund; Estate of Colonel Reuben Wells Leonard, $3695; Dr. J. E. McAskill, $1400 for Audio-Visual equipment; Dr. R. S. McLaughlin, $46,750 for fellowships in Mechanical Engin. and $78,688 for McLaughlin Hall construction; McLean Charitable Foundation, $2000 for McLean Rural Bursaries established to encourage students from rural districts to come to the Univ.; H. R.

MacMillan, $10,000 for the Skelton Memorial Fund; Duncan K. MacTavish, $500 for the Duncan Byron MacTavish Scholp.; Queen's Univ. Alumnæ Associations, $2223 for the women's residence extension; Queen's Univ. Alumni Association, $500 for furniture fund; Roman Catholic Corp. of the Diocese of Kingston, $1000 for the women's residence extension; Spruce Falls Power and Paper Corp. Ltd., $2000 for scholps.; Mrs. D. W. Stewart, $3000 for maintenance of work in Psychiatry; Mrs. J. R. Third, $500 for the women's residence extension; J. B. Tyrrell, $500 for the J. B. Tyrrell Scholp. in Econ. Geol.; further substantial sums for general endowment and maintenance, and a large number of smaller donations for the maintenance of scholps.

NEW BUILDING. Completion of extension to Gordon Hall (Chem.).

RETIREMENTS. Prof. J. H. Brovedani (Hd. of Dept. of Spanish); E. Flammer (Prof. of Mathematical Physics); L. F. Grant (Assoc. Prof. of Civil Engin.).

RESIGNATIONS. Miss Dorothy M. Riches (Dir. of School of Nursing); Prof. G. B. Harrison (Hd. of Dept. of English), apptd. to the Univ. of Michigan; G. J. Smith (Treasurer), because of ill-health; Brother Roger Philip (Acting Hd. of Dept. of Psychol.); Prof. R. C. Lodge (Acting Hd. of Dept. of Philos.); A. F. McKay (Chem.); E. I. Signori (Psychol.); J. H. Orr (Sec. of Fac. of Med); Pauline M. Jewett (Political Sci.); W. W. Cory (Mech. Engin.); B. T. Ogilvie (Chem.); R. A. Staal (Maths); Ruth M. Climo (Spanish); J. H. Houck (Psychol.); Mrs. G. Clark (Sec. of School of Commerce); D. B. Davidson (Endowment Office).

DEATHS. Dr. G. Spencer Melvin (Dean of Fac. of Medicine and Hd. of the Dept. of Physiol.); Dr. E. L. Bruce (Miller Memorial Research Prof. of Geol. and Chairman of the Bd. of Graduate Studies); Dr. R. G. Sinclair (Craine Prof. of Biochem. and Hd. of the Dept); M. Tirol (Prof. of French).

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Dr. J. G. Adamson (Prof. of Med., Manitoba); Dr. R. Chambers (Dept. of Biol., New York Univ.)—"The Structure of the Cell"; Dr. P. Dansereau (Service de Biogéographie, Univ. de Montréal)—"The Living Landscape"; J. D. Mackie (Prof. of Scottish History and Literature, Glasgow); Miss Jessie Macpherson (Dean of Women, Victoria Coll., Toronto); Dr. John Rock (Clinical Prof. of Gynæcology, Harvard); Dr. J. S. Thompson (Dean of the Fac. of Divinity, McGill), Baccalaureate Sermon; Sir Reginald Watson-Jones (Sims Commonwealth Travelling Prof. of the Royal Coll. of Surgeons of England)—"Treatment of Fractures"; L. A. Willoughby (Prof. of German, Univ. Coll., London)—"Goethe, the Man."

HONORARY DEGREES. *LL.D.*—E. G. Baker, President, Canada Life Assurance Co., Toronto; M. B. Baker, Emeritus Prof. of Geology and Curator of the Museum, Queen's Univ.; P. G. C. Campbell, Emeritus Prof. of French Lang. and Lit., Queen's Univ.; Dr. D. A. Graham, Emeritus Prof. of Medicine, Univ. of Toronto; S. N. Graham, Emeritus Prof. of Mining Engin., Queen's Univ.; Sir David Lindsay Keir, Vice-Chancellor of the Queen's Univ. of Belfast, and newly appointed Master of Balliol College, Oxford; the Hon. Ray Lawson, Lt.-Governor of the Province of Ontario; E. Malherbe, Principal of the Univ. of Natal, South Africa; S. H. McCuaig, Lawyer, Edmonton, President of the Canadian Bar Association; The Rt. Hon. P. J. Noel-Baker, Secretary of State for Commonwealth Relations for the Government of the United Kingdom; E. J. Pratt, Prof. of English, Victoria College, Univ. of

Toronto; R. C. Stanley, Chairman, Board of Directors, The International Nickel Co. Inc., New York; W. B. Timm, Director, Dept. of Mines and Resources, Ottawa, Ontario. *D.D.*—H. W. Cliff, Minister of Cooke's United Church, Kingston, Ontario; D. W. Hay, Knox College, Univ. of Toronto; C. R. F. MacLennan, Minister, Trinity United Church, New Glasgow, Nova Scotia.

STUDENTS. Full-time, 2630; Extra-mural, 788; Summer School (1949), 565.

DEGREES. B.D., 2; M.A., 20; B.A. (Honours), 91; B.A. (Pass), 274; M.Com., 1; B.Com., 111; M.Sc., 7; B.Sc. (Honours), 23; B.Sc., 182; M.D., C.M., 43; M.Sc. in Medicine, 1; B.N.Sc., 8; Diploma in Public Health Nursing, 1; Diploma in Laboratory Technique, 2.

SAINT DUNSTAN'S COLLEGE

CHARLOTTETOWN, PRINCE EDWARD ISLAND

Founded 1855

CHANCELLOR—Most Rev. JAMES BOYLE, D D., Bishop of Charlottetown.

RECTOR—Rt. Rev. R. V. MACKENZIE, Litt.D.

VICE-RECTOR AND REGISTRAR—Rev. J. A. SULLIVAN, M.A.

BURSAR—Rev. WILLIAM SIMPSON, B.A.

COLLEGE PHYSICIAN—Hon. W. J. P. MACMILLAN, O.B.E., M.D., C.M., LL.D., F.A.C.S.

FACULTY ADVISER ON ATHLETICS—Rev. W. J. MACGUIGAN, M.A.

DIRECTORS OF DISCIPLINE—Rev. W. J. MACGUIGAN, M.A.; Rev. GEORGE A. MACDONALD, M.Sc.; Rev. L. W. LANDRIGAN, B.A.

COMMITTEE ON STUDIES—Rt. Rev. R. V. MACKENZIE, Litt.D.; Rev. J. A. SULLIVAN, M.A.; Rev. R. G. ELLSWORTH, M.Sc., D.D.

DIRECTOR OF EXTENSION WORK—EUGENE J. GORMAN, B.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

Clarke, G. E., B.Com. Ottawa Prof.

Economics

Murphy, J. C., Ph.D. C.U.A. Prof.

English

O'Grady, B. A., M.A. Columbia Prof.

French

Pineau, Rev. J. W., M.A. Laval Prof.

History

MacGuigan, Rev. W. J., M.A. C.U.A. Prof.

Latin and Greek

O'Hanley, Rev. J. P. E., Ph.D. Angelicum Prof.

Mathematics

Roche, Rev. E. J., M.Sc. Notre-Dame Prof.

Philosophy

Sullivan, Rev. J. A., M.A. C.U.A. Prof.

Physics

MacDonald, Rev. G. A., M.Sc. Dal. Prof.

Religion

MacKenzie, Rt. Rev. R. V., Litt.D. Laval Prof.

Landrigan, Rev. L. W., B.A. Associate.

Sociology

Murphy, J. C., Ph.D. C.U.A. Prof.

GENERAL INFORMATION

St. Dunstan's, 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, 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 2 yrs. of their baccalaureate course, write the Laval examn., and, if successful, obtain the Laval degree.

The College is the Diocesan College of the Roman Catholic Diocese of Charlottetown; is co-educational; has residences for men; offers training through the Canadian Officers' Training Corps (C.O.T.C.).

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.

DEGREES. B.A., 4 yrs.; B.Sc., 4 yrs.; B.Com., 4 yrs.; only the first 3 yrs. of this course were available in 1948–49, the remaining yr. to be added in 1949–50. Pre-medical and pre-dental courses are provided.

FEES. Tuition, room, board, $300.00 to $350.00 per yr.

THE YEAR 1948–49

STUDENTS. Total: 180. The total includes 15 women.

DEGREES. B.A., 23; B.Sc., 11.

UNIVERSITY OF ST. FRANCIS XAVIER

ANTIGONISH, NOVA SCOTIA

Founded 1866

CHANCELLOR AND *ex officio* CHAIRMAN OF THE BOARD OF GOVERNORS—Most Rev. J. MORRISON, D.D., Ph.D., Archbishop—Bishop of Antigonish.

PRESIDENT—Rt. Rev. Mgr. PATRICK J. NICHOLSON, Ph.D. Johns H

VICE-PRESIDENT—Rev. HUGH T. SOMERS, Ph.D. Cath. U. Amer.

DEAN OF STUDIES—Rev. MALCOLM MACLELLAN, Ph.D.

REGISTRAR—Rev. C. H. BAUER, B.A.

LIBRARIAN—Sister REGINA CLARE, B.L.S.

TEACHING STAFF

Biology

Chisholm, Rev. J. C , M A. Prof.
Chiasson, L. P., Ph.D. Tor. Assoc. Prof.

Chemistry

Foley, W. T., M.A. Cath. U. Amer. Prof.
MacDonald, J. J., Ph.D. Tor. Assoc. Prof.

Classics

Gillis, Rev. J. H., Ph D. Cath. U. Amer. Prof.

Economics and Sociology

MacDonald, Rev. J. A., M.A. Tor. Prof.
McMahon, Rev. J., M.A. Camb. Assoc. Prof.
MacEachen, A. J., M.A. Tor. (Sociol.) Assoc. Prof.
MacCormack, Rev. D., M.A., D D. Laval Asst. Prof.

Education

MacLellan, Rev. M., Ph D. Cath. U. Amer. Prof.

Engineering

Fogarty, Rev. W. P., B.S. McG. Prof.

English

Bannon, Rev. R. V., M.A. Prof.
Kane, Rev. G. L., A.M. Harv. Assoc. Prof.

French

MacLean, C., D. de l'U. Paris Prof

Geology [Prof.

MacNeil, D. J., Ph.D. Princet.

German

Bauer, Rev. C. H., B.A. Prof.

History

Somers, Rev. H. J., Ph.D. Cath. U. Amer., F.R.Hist.S. Prof.
MacDonell, Rev. M., M.A. Tor. Prof.
St. Veronica, Sister, M.A. Cath. U. Amer. Prof.

Mathematics

McKenna, Rev. L. G., M.A. Prof.

Philosophy

MacEachern, Rev. M., D.D. Montr., Ph.D. Louvain Prof.

Physics

Nicholson, Rev. P. J., M.A., Ph.D. Johns H. Prof.
Tobin, Rev. C., M.A. Prof.
Clarke, Rev. E. M., B.Sc. Asst. Prof.

Extension Department

Coady, Rev. M. M., D.D. Urb, Rome, Ph D. Coll. St Thos., Rome, LL.D. Boston Coll. and Ohio Director.
MacDonald, Rev. J. A., M.A Assoc. Director.
Laidlaw, A., M.A., B.Pæd. Asst. Director.
MacPherson, Rev. H., D.D. Urb., Rome Asst.
Sears, Kathryn Field Sec.
MacPherson, Rev. H., Ph.D. Consultant.
MacCormack, Rev. D., D.D. Lectr.
Arsenault, Mrs. M. Ellen Sec.
Michael, Sister M., B.A. Librarian.
Anselm, Sister M. Asst. Libr.
9 Field Workers.

GENERAL INFORMATION

Full University powers were conferred upon St. Francis Xavier in 1866. A new Charter was granted in 1909. The University 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 1919 Dr. Neil MacNeil of Dorchester, Mass., in addition to many previous large benefactions, transferred the whole of his estate to the Univ., and it is anticipated that ultimately over $500,000 will be realized from it.

In 1894 Mount Saint Bernard College for Women, founded in 1883, was affiliated with the University.

SCHOLARSHIPS, ETC. Knights of Columbus scholarships, 10 to 12 annually, $200 each; several Rev. R. McInnis scholarships of $200 and under each; 4 French scholarships annually, $200 each; also various other scholarships, bursaries and prizes.

LIBRARY, 52,000 vols. LABORATORIES: Biol., Chem., Geol., Phys., Engin.

COURSES. 4 yrs., B.A., B.Sc., B.Sc. Home Econ.; 5 yrs., B.Sc. Nursing; 3 yrs., Engineering; 1-yr. postgraduate Teacher-training course.

The B.A. degree is recognized as equivalent to the French Bachelier ès Lettres.

By an agreement with the Nova Scotia Technical College the Univ. confines its work in Engineering to the first 3 yrs. of the 5 yrs.' course. Students who successfully complete the Univ. course may proceed without examination to the Technical College for the professional work of the last 2 yrs. A similar concession is granted to engineering students by other technical colleges in Canada and in the United States, and at McGill Univ. they are admitted to the 3rd yr. of the Faculty of Applied Science.

PHYSICAL TRAINING. Gymnasium, skating rink, stadium.

PUBLICATIONS. *Calendar* (July); *Xavierian*, weekly; *Alumni News*, three times yearly.

THE YEAR 1948–49

STUDENTS. Registration for year, 935, including 109 women and 35 graduates. Several thousand men and women, members of various study clubs and co-operatives under direction of Extension Department, received instruction by lectures, mimeographed material, and pamphlets.

DEGREES. B.A., 62; B.Sc., 69; B.Com., 2; B.Ed., 5; M.A., 1.

SAINT JOSEPH'S UNIVERSITY

Founded 1864

Address—Saint Joseph, N.B.

PRESIDENT—Rev. CLEMENT CORMIER, S.Th.L., B.Sc.Soc.
VICE-PRESIDENT—Rev. MEDARD M. DAIGLE.
DEAN OF STUDIES—Rev. ALBENI POITRAS, L.Sc.
TREASURER—Br. N. MORIN, B.L., B.Ed.
LIBRARIAN—Br. OMER CORMIER.
MODERATOR OF ATHLETICS—Rev. RENE LAUZON.
UNIVERSITY PHYSICIAN—CAMILLE GAUDET, M.D.

TEACHING STAFF

Accounting
Cadieux, Jean, L.Sc.Com.

Biology
Blanchard, Rev. T.
Rossignol, Rev. R.

Business Mathematics
Taillon, Br. L., M.A., B.Ed.

Chemistry
Rossignol, Rev. R.

Classics: Greek
Prevost, Rev. P.

Classics: Latin
Gaudet, Rev. L., LL.L.
Blanchard, Rev. T.
Landry, Rev. Z.
Kingston, Rev. C.
Kingston, Rev. L.
Cormier, G., L.Ph.

Commercial Law
Leger, Hon. Sen. A. J., M.A., LL.D.

Commercial Sciences
Taillon, Br. L., M.A., B.Ed.
Cadieux, J., L.Sc.Com.
Young, Aurèle, L.Sc.Soc.

Economics
Young, Aurele, L.Sc.Soc.

English
Maloughney, Rev. W., S.Th.L., Ph.L.
Kingston, Rev. C.

French
Blanchard, Rev. T.
Chamard, Rev. M.
Gaudet, Rev. L., LL.L.
Ponton, Rev. G.

Geology
Blanchard, Rev. T.

History
Chamard, Rev. M.
Gaudet, Rev. L., LL.L.
Blanchard, Rev. T.
Ponton, Rev. G.

Insurance
Savoie, C. F., M.A.

Mathematics
Poitras, Rev. A., L.Sc.
Rossignol, Rev. R.
Kingston, Rev. C.
Lavery, Rev. R.

Music
Brault, Rev. L.
Gaudet, Rev. D.
Lapierre, Br. L.
Hall, Doreen.

Philosophy

Daigle, Rev. L. M.
Maloughney, Rev. W., S.Th.D., Ph.L.
Cormier, G., L.Ph.

Physics

Poitras, Rev. A., L.Sc.

Religion

Brault, Rev. L.
Chamard, Rev. M.
Landry, Rev. Z.

Statistics

Taillon, Br. L.

Agricultural School

Gaudet, G., B.L., B.S.A., Director.

Professors

Robichaud, J P, B.S.A.
McIntyre, J. E., B S A.
Chiasson, Camille, B.S.A.
Bourgeois, P., B.S.A.
Blanchard, F. A., L.S.A., M.Sc.
Chiasson, R.
Riordon, J. B., B.S A.
LeBlanc, A, B.S.A.
Farmer, L., B.S.A.
Boudreau, Rev. R., B.S.A.
Martin, A., B.S.A.
LeBlanc, L., B.Sc. (For.).
Goguen, A.
Boudreau, C.
Gaudet, J.

Summer School of Education

Cormier, Rev. C., S.Th.L., B.Sc.Soc. Pres.
Daigle, Rev. M. M. Vice-Pres.
Taillon, Br. L., M.A., B.Ed. Dir. of Studies.
Gaudet, Rev. L., LL.L. Asst.
Patricia, Sister M., M.A. Asst.
Rossignol, Rev. R. Treasurer.
Gaudet, Rev. D. Bursar.

Professors

Henri, A., M.A. (Lit., Hist.).
Brault, Rev. L. (Music).
Comeau, J. V. (English).
Degrace, G., M.A. (French).
Gaudreau, L., L.Ed. (Guidance).
Grégoire, Jeanne (Translation).
Hollis, Elizabeth, M.A., L.Ed. (Reading).
Henault, R., M.A., L.Ed. (Methods).
Annonciade, Sister M., B.Ed. (French).
Blanche, Sister M., B.A. (Maths.).
Ernestine, Sister M., B.Ed. (Latin).
d'Arc, Sister M. Jeanne, B.A. (Maths.).
Pellerin, Rev. A., S.Th.L. (Maths).
Stanislas, Br. M. A., B.Ed. (French).
Wallace, W. D., M.A. (Educational Measurements).

AFFILIATED INSTITUTIONS

Collège Notre-Dame d'Acadie, Moncton.
Assumption College, Moncton.
Moreau Seminary, Saint Joseph, N.B.
Saint Thomas Seminary, Saint Joseph.
School of Home Economics, Saint Joseph, N.B.

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. Thirty years later, 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 College to the privileges of the Statute of Colonial Universities. In 1928 the legal title was changed to "Saint Joseph's University." The Univ. is conducted by the Fathers of Holy Cross. It is a bilingual institution (French and English-speaking).

LIBRARY, 40,000 vols. Museum: Natural History and Acadian History. The Library, Museum and Archives, the first institution of its kind organized for the benefit of the Acadian population, has specialized in, and contains precious collections on, the History of Acadia.

LABORATORIES. Chemistry, Physics, Biology.

DEPARTMENTS. High School level: Academic, Commercial, Agricultural and Home Economics. College level: Arts, Commerce, Science, Music, Home Economics.

DEGREES. M.A., B.A., B.L., B.Sc., B.Sc.Com., B.M., B.Ed., B.Sc. in Home Economics. Courses in Arts, Sciences, Commerce, Music, Home Economics leading to the Bachelor's degree, cover 4 yrs. Bachelor degree in Education awarded after postgraduate course of 1 yr. or the equivalent.

COURSES OF STUDIES. Arts course (leading to B.A. and M.A.); Science course (leading to B.Sc.); Commerce (leading to B.Sc.Com.); Music (leading to B.M.); Home Economics (leading to B.Sc. in Home Economics); Education (leading to B.Ed.).

FEES. For tuition only: $103. For board, residence and tuition: $336 plus. Degrees: $5 to $20.

RESIDENCE. Accommodation for 500.

THE YEAR 1948–49

BENEFACTIONS. From diocesan campaign: $75,000.

NEW BUILDING. St. Thomas Seminary: transformation of former bldg. with additional storey, completed in November.

NEW DEPARTMENTS. St. Thomas Seminary and Moreau Seminary both annexed to the Univ.

HONORARY DEGREES. *Ph.D.*—Rev. H. Leger, Saint Joseph, N.B.; Dr. A. R. Landry, Moncton, N.B. *Litt.D.*—Rev. Dr. C. T. Boyd, Pastor, St. Dunstan's, Fredericton, N.B. *M.A.*—Rev. J. C. Keohan, Pastor, Immaculate Conception, Qu'Appelle, Saskatchewan; Rev. L. Cormier, Richibucto, N.B.; S. W. Keohan, Registrar of New Brunswick Credit Unions, Fredericton, N.B. *B.Sc.Com.*—J. A. d'Amjou, Superintendent of Transport, C.N.R., Quebec; J. R. Ruest, Edmundston, N.B.; J. A. Cyr, New Brunswick Hydro Commission, St. John, N.B.

DEGREES. B.A., 34; B.Sc., 2; B.Sc.Com., 12; B.Ed., 2.

STUDENTS. Total: 584, including High School Students in the Academic, Commercial and Agricultural Depts.; University course: 218. Summer courses: 300.

UNIVERSITY OF SASKATCHEWAN

SASKATOON

Founded 1907

VISITOR—The Hon J. M. UHRICH, M.D.

CHANCELLOR—F. HEDLEY AULD, M.B.E., LL.D.

CHAIRMAN OF GOVERNORS—ARTHUR MOXON, K.C., B.A., B.C.L.

PRESIDENT AND VICE-CHANCELLOR—WALTER P. THOMPSON, B.A. Tor., M.A., Ph.D. Harv., D.Sc. Br. Col., F.R.S.C.

REGISTRAR—A R. WEIR, B.A.

BURSAR—D. J. GRAHAM.

LIBRARIAN—D. C. APPELT, M.A. Alta., A.B.L.S. Mich.

TEACHING STAFF

Accounting

Thompson, J. H , M.B.A. Chic., F.C.A., B.Acc. Prof. and Dean.

Goodspeed, Georgia, B.Acc., M.B A. Chic. Asst. Prof.

Main, O. Warren, B.A. McM., M.A. Tor. 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., M.A. Chicago, Ph D Lond. Prof.

Bjelajac, Nicola, M.S. Wisc. Asst. Prof.

Bacteriology

Rea, G. W., M.B., Ch.B., D.P.H. Belf., B Bact. Lond. Prof.

Biochemistry

McArthur, C. S., B.A. W. Ont., M.Sc., Ph.D. Tor. Prof.

Schachter, B., B.A., Ph.D. Tor. Assoc. Prof.

Biology

Rawson, D. S., Ph.D. Tor., F.R.S.C. Prof.

Vanterpool, T C., M.Sc. McG. Prof.

Saunders, L. G., M.Sc. McG., Ph.D. Camb Prof.

Arnason, T. J., Ph D. Wisc., M.Sc. Assoc. Prof.

Rempel, J. G., Ph.D. Cornell, M.Sc. Assoc. Prof.

Chemistry

Spinks, J. W. T., B.Sc., Ph.D. Lond., F.R.S.C. Prof.

Van Cleave, A. B., Ph.D. McG. and Camb., M.Sc. Assoc. Prof.

McCallum, K. J., Ph.D. Columbia, M.Sc. Assoc. Prof.

Spencer, E. Y., M.Sc. Alta., Ph.D. Tor. Assoc. Prof.

Pepper, J. M., M.A. Br. Col., Ph.D. McG. Assoc. Prof.

Graham, Wilfred, Ph.D. McG., B.E. Asst. Prof.

Eager, R. L., B.E., M.Sc. Sask., Ph.D. McG. Asst. Prof.

Trevoy, L. W., M.A. Sask., Ph.D. Chic. Asst. Prof.

Classics

Leddy, J. F., B.Litt., D.Phil. Oxon., M.A. Prof.

Ferguson, R. M., M.A. Dub. Prof.

Conacher, D. J., M.A. Qu. Asst. Prof.

Drama

Jones, E. M., M.A. Alta. Prof.
Holroyd, F. Asst. Prof.

Economics

Britnell, G. E., M.A., Ph D. Tor., B.A. Prof.
Fowke, V. C., Ph.D. Washington, M.A. Prof.
Timlin, Mabel F., Ph.D. Washington, B A. Assoc. Prof.
Allely, J. S. M., B.A. Qu., A.M. Harv. Assoc. Prof.
Reid, A. N., M A. Qu. Asst. Prof.
Burns, Rev. F. L., M.A. W. Ont., Ph.D. Mich. Asst. Prof.

Education

Laycock, S. R., B.A. Tor., M.A., M.Ed. Alta., Ph D. Lond. Prof. and Dean.
Toombs, M. P , M.A , M Ed. Prof.
Clark, Stanley, B.A., M.Ed. Assoc. Prof.
Rees, R. E., B.A. Qu. and Alta., B.Ed. Alta., M.A., Ph.D. Northwestern Assoc. Prof.
Langley, G. J., B.A., M.Ed. Asst. Prof.
Rennie, R. A., B.A., B.Ed. Asst. Prof.

Engineering, v. *infra*

English

King, C. A., Ph.D. Tor. Prof.
McCourt, E. A., B.A. Alta., M.A. Oxon. Prof.
Tracy, C. A., B.A. Tor., Ph.D. Yale Prof.
Bentley, J. A., M.A. Dal., Ph.D. Harv. Assoc. Prof.
O'Donnell, Rev. J. L., M.A. Tor. Assoc. Prof.
Smith, J. P., Ph.D. Calif., M.A. Asst. Prof.

French

Cameron, Margaret, M.A. McG. and Rad., D. de l'U. Paris Prof.
Mallon, Rev. J. P., M.A. Tor., D. de l'U. Laval Assoc. Prof.
Bujila, Mrs. B., M.A. Col., Ph.D. Mich. Asst. Prof.
Bessette, G., M.A., L. ès L. Montr Asst. Prof.

Geology

Mawdsley, J. B., B.Sc. McG., Ph.D. Princet., F.R.S C. Prof.
Edmunds, F. H., M.Sc. Liv., F.G.S. Prof.
Byers, A. R., B Sc., Ph D McG. Asst Prof
Kupsch, W. O., M.Sc., Ph.D. Mich. Asst. Prof.

German

Anstensen, A., M A., Ph.D. Col. Prof.
Gunvaldsen, K. M., M A. Wisc. Asst. Prof.

History

Simpson, G. W., M.A. Tor., Ph.D. Munich, B.A. Prof.
Neatby, Hilda, Ph D. Minn., M.A. Assoc Prof
Lightbody, C. W., M.A. Tor. and Oxon., 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.

Household Science

Hunt, Hope, B.A. Tor., M Sc. Col., Ph.D. Minn. Prof. and Dean.
Wilmot, Helen G., M.A. Chic. Assoc. Prof.
Davis, Lorna, M.A. Tor Asst. Prof.
Rowles, Edith C., M.Sc. Wisc., B.H.Sc. Asst. Prof.
Semeniuk, Margaret L., B.Sc. (H. Ec.) Manit., M.Sc. Ames Asst. Prof.

Law

Cronkite, F. C., K.C., M.A., LL.B. Harv., LL.D. Br. Col. Prof. and Dean.
Whitmore, E. F., LL.B. Prof.

Bourne, Charles B., B.A. Tor., LL.B. Camb. Asst. Prof.
Schmitt, G. R., LL.B. Harv., B.A., LL.B. 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. Göttingen Assoc. Prof.
Vigder, J. S., M.A. Asst. Prof.
McEown, A. C., B.Sc. Asst. Prof.

Music

Macrae, J. D., B.Mus. Durh., F.R.C.O. Prof.

Nursing

Ellis, Kathleen W., B.Sc. Col. Prof. and Dir. of Nursing Educ.

Pathology

Lindsay, W. S., O B.E., B.A. Dal., M.A., Ch.B. Edin. Prof. and Dean.
Moore, D. F., M.D., B.Sc. Tor. Prof.
Adams, J. W., M.D. Tor. Asst. Prof.

Pharmacology

Hutcheon, D., B Sc., M.D. Tor. Assoc. 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., B.S.P. Asst. Prof.

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. Asst. Prof.
Kennedy, Rev. L. A., M.A. Tor. Asst. Prof.

Physical Education

Neale, W. F., B.Ph.H.E. Tor. Asst. Prof.
Pyne, F. F., B.Ph.H.E. Tor. Asst. Prof.

Physics

Harrington, E. L., B.Sc. Miss., A.M. Harv., Ph.D. Chic., F.A.P.S., F.R.S.C. Prof.
Mackay, C. A., M.A. Dal., Ph.D. Princeton Prof.
Currie, B. W., Ph.D. McG., M.Sc., F.R.S.C. Prof.
Haslam, R. N. H., Ph.D. McG., M.A. Assoc. Prof.
Katz, L , M A. Qu , Ph.D. Calif. Inst. of Tech. Assoc. Prof.
Petrie, W., B.A. Br. Col., Ph.D. Harv. Assoc. Prof.
Johns, H. E., B.A. McM., M.A., Ph.D. Tor. Assoc. Prof.

Physiology

Jaques, L. B., M.A., Ph.D. Tor. Prof.
Millar, G. J., B.A. Tor. Asst. Prof.

Political Science

Britnell, G. E., M.A., Ph.D. Tor., B.A. Prof.
Ward, N. M., B.A. McM., M.A., Ph.D. Tor. Asst. 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.
Kennedy, Rev. L. A., M.A. Tor. Asst. Prof.

Slavic Studies

Andrusyshen, C. H., M.A. Manit., Ph.D. Tor. Asst. Prof.

Agriculture

Animal Husbandry

Ewen, A. H., M.A. Aberd., B.Sc. (Agr.) Edin. Prof.
Weir, J. A., M.Sc., Ph.D. Ames, B.S.A. Assoc. Prof.
Bell, J. Milton, B.S.A. Alta., M.Sc. McG., Ph.D. Cornell. Assoc. Prof.

Bacteriology, Agric.

Graham, V. E., M.S., Ph.D. Wisc., B.S.A. Prof.

Dairying

Graham, V. E., M.S , Ph.D. Wisc , B.S.A. Prof. and Dean.

Gibson, D. L., B.S.A. Manit., M.Sc., Ph.D. Minn. Assoc. Prof.

Farm Management

Van Vliet, Hadley, M.Sc. Prof.

Field Husbandry

Champlin, M. J., M.S. S. Dak. Prof.

Harrington, J. B., Ph.D. Minn., B.S.A. Prof.

Shebeski, L. H., B.S.A., M.Sc. Manit. Assoc. Prof.

Horticulture

Patterson, C. F., B.S.A. Tor., Ph.D. Ill. Prof.

Mechanics, Agric.

Hardy, E. A , M.S. Ames Prof.

Plant Ecology

Coupland, R. T., B.S.A. Manit., Ph.D. Neb. Asst. Prof.

Poultry Husbandry

Rae, W. J., B.S.A. Manit., M.Sc. Wisc. Prof.

O'Neil, J. B., M.S.A. Br. Col. Assoc. Prof.

Soils

Mitchell, J., Ph.D. Wisc., B.S.A. Prof.

Dion, H. G., Ph.D. Wisc., B.S.A. Assoc. Prof.

Hutcheon, W. L., B.S.A., M.Sc. Asst. Prof.

Veterinary Science

Fulton, J. S., D.V.S. McKillop Prof. and Director of Animal Diseases Lab.

Millar, J. L., B.V.S. Ont. Vet. Col. Assoc. Prof.

Extension

Rayner, J. G., B.S.A. Manit. Prof. and Director.

Gordon, K. W., B.S.A. Manit. Prof. and Asst. Director.

Stevens, M. Alice, B.Sc. Manit. Asst. Dir. in charge of Women's Work.

Paul, L. C., Ph.D. Minn., M.Sc. Assoc. Prof.

Robinson, D. R., B.S.A. Asst. Prof.

Engineering

Agricultural E.

Hardy, E. A , M S. Ames Prof

Ceramic E.

Humphrys, J. M., M.Sc., Ph D. Rutgers Prof.

Civil E.

Spencer, R A., M C., M Sc. McG Prof. and Dean.

Atkinson, A. L. C., B.Sc. Durh. Prof.

Forsberg, C. R., M.Sc. Assoc. Prof.

Douglas, A. H., B.E. Assoc. Prof.

Torchinsky, B. B., M.Sc. Alta. Asst. Prof.

Electrical E.

Lovell, W. E., B.Sc. (E.E.) Manit. Prof.

Michalenko, A., B.Sc. Manit , D.I.C. Lond. Asst. Prof.

Geological E.

Mawdsley, J. B., B.Sc. McG., Ph.D., F.R.S.C. Princet. Prof.

Edmunds, F. H., M.Sc. Liv., F.G.S. Prof.

Byers, A. R., B.Sc., Ph.D. McG. Asst. Prof.

Mechanical E.

Fraser, I. M., B.Sc. McG. Prof.

Hutcheon, N. B., Ph.D. Lond., M.Sc. Prof.
Maksymiuk, D., B.Sc. Manit. Asst. Prof.
Staples, W. R., B.E. Asst. Prof.
Mantle, J. B., B.E., M.Sc. Ill. Asst. Prof.
Wedgwood, J. A., B.E. Asst. Prof.

ADMINISTRATIVE STAFF

Business Manager, J. P. Curror; Superintendent of Bldgs., W. J. Robson, B.Sc., M.A.Sc.; Dean of Women, Edith C. Rowles, B.H.Sc., M.Sc.

Regina College

Dean—W. A. Riddell, B.Sc. Manit., Ph.D. Stanford, M.Sc.

Director of Conservatory—D. A. Cameron.

Director of Fine Arts—.....

Registrar—F. E. Wagg, B.D. Wesley, M.A. Wisc.

Academic Dept.—*Art*, G. W. Snelgrove, Ph.D. Lond.; Nicola Bjelajac, M.S. Wisc. *Biol.*, G. F. Ledingham, Ph.D. Wisc., M.Sc. *Chem.*, The Dean; E. G. Swenson, B.A., M.Sc. *Classics*, S. E. Stewart, M.A. Dal. *Econ.*, F. E. Wagg, B.D. Wesley, M.A. Wisc. *English*, Lucy H. Murray, M.A. Tor., Ph.D. Chic., B.Ed.; L. G. Crossman, M.A. *French and Latin*, Margaret Belcher, M.A. Tor., B.A. *Maths.*, W. C. Blight, B.Sc. Manit. *Physics*, R. A. Douglas, M.A. *Drama*, E. M. Jones, M.A. Alta. *Phys. Training*, S. E. Stewart, M.A. Dal. *History*, W. R. Graham, B.A. Manit., M.A. Tor.

St. Thomas More College

Principal and Prof. of Philosophy—Rev. B. F. Sullivan, M.A. *French*, Rev. P. Mallon, M.A. Tor., D. de l'Univ. Laval. *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. *History*, Rev. R. W. Finn, M.A., L.M.S. Tor. *Psychol. and Philos.*, Rev. L. A. Kennedy, M.A. Tor., Asst. Prof. Adviser to Women, Mrs. B. Bujila, M.A. Col., Ph.D. Mich.

AFFILIATED COLLEGES, ETC.

Emmanuel College, estabd. 1879 for training Anglican clergy. Courses for Testamur, Lic.Th., B.D. Principal, Rev. S. C. Steer, M.A., D.D.

St. Chad's College, Regina, estabd. 1907, authorized by Statutes of the Province to confer the degrees L.Th., S.Th., B.D., D.D. A pass course for Testamur and General Synod course for L.Th. are provided. Warden, Rev. G. C. Coster Scovil, M.A., B.D.

St. Andrew's College, Saskatoon, estabd. 1912, for training for the ministry of the United Church of Canada. Authorized to confer degrees in Divinity. Principal, Rev. A. B. B. Moore, B.A., D.D.

Lutheran College and Seminary, Saskatoon, incorporated 1924, for training Lutheran clergy. Authorized to confer degrees in Theology. Acting Principal, Rev. G. T. Monson, B.A., B.D., M.Th.

Luther Theological Seminary, Saskatoon, 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. J. R. Lavik, M.A., D.D.

JUNIOR COLLEGES—Campion Coll., Regina; Sacred Heart Coll., Regina; St. Peter's Coll., Muenster; Luther Coll., Regina; Central Collegiate, Moose Jaw.

AFFILIATED SOCIETIES. College of Physicians and Surgeons; Law Society; College of Dental Surgeons; Pharmaceutical Assn.; Assn. of Registered Nurses; Veterinary Assn.; Assn. of Architects; Inst. of Chartered Accountants; Land Surveyors; Registered Music Teachers' Assn.; Council of Optometry; Assn. of Professional Engineers; Inst. of Agrologists.

GENERAL INFORMATION

Established by Act of the Provincial Legislature in 1907, the Univ. opened classes in Arts and Sciences in 1909. For early history and constitution, *see Yearbook* for 1929. The site 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 $7,000,000. The maintenance of the Univ. is partially provided for by assignments of revenue and legislative grants. The annual budget is about $1,900,000.

The University conducts the LICENCE EXAMINATIONS for the following professions:—Medicine and Surgery, Law, Dentistry, Accounting, Archit., Nursing, Vet. Sci., Optometry, Pharmacy, Land Surveying.

LIBRARY, 109,000 vols. LABORATORIES: Chem., Phys., Biol., Bact., Anat., Physiol., Engin., Geol., Field Husbandry, Agric. Engin., Animal Diseases, Dairy, Soils, Horticulture. Farm (830 a.). Agric. Experimental Fields (450 a.). Special provision for research in the various branches of Agriculture. OBSERVATORY.

FACULTIES. Arts and Science, Agric., Law, Engin., Pharm., Med. Sci., Educn., Household Sci., Nursing, Graduate Studies, Commerce.

DEGREE COURSES. B.A., B.Comm., 3 yrs., Hons. 4 yrs., B.S.P. (Pharm.), B.S.A. (Agric.), B.E. (Engin.), B.H.Sc. (Household Sci.), B.Ed., 4 yrs.; LL.B., 3 yrs.; combined B.A. and B.S.A., B.A. and LL.B., B.A. and B.Comm., 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 2-yr. course in Arts, designed specially for Junior Colls., leads to the "Associate in Arts." A 2-yr. course in Agric. leads to the "Associate in Agric." A 1-yr. certif. course in Education for graduates in Arts and Science, Agric., Engin., Accounting or Household Sci. A 2-yr. course is given in the MEDICAL SCHOOL (pre-clinical, including Anat. and Physiol.). A course is given for Laboratory Technicians.

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.

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; Household Sci., $175; Law, $200; Nursing, $175; School of Agric., $100.

SCHOLARSHIPS FOR GRADUATES. Four Saskatchewan Government Research Fellowships of $750 each; two I.O.D.E. Scholps., $1500 and $500; Consolidated Mining and Smelting Fellowship for grads. in Sci., Engin., or Agric., valued at $750 plus $450 for equipment; National Research Council Bursaries of the value of $450, Scholps. of the value of $750, and Fellowships of the value of $900 to qualified grads. in Biol., Chem., Engin., Geol., Metall., Mineral., Physics and Maths.; Agricultural Research Foundation Scholp., $800; Benjamin J. Sanderson Fellowship (Econ.), $1600, 2 yrs.

RESIDENCE. Hostels for 170 men and 90 women. 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 homemaking. 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*; *President's Report*; *Greystone*.

THE YEAR 1948–49

BENEFACTIONS. Anonymous Scholps., $1000. Atomic Energy Commission, $30,000. Barley Improvement Inst., $3500. Cominco, $20,000. Consolidated Mining and Smelting Co., $1650. Hudson Bay Mining and Smelting Co., $2000. Life Insurance Medical Research Fund, $9985. Mrs. P. E. McKenzie, $1000. J. S. McLean, $1000. Markle Foundation, $3000. Massey Harris Co., $1000. National Cancer Inst., $12,575. National Cancer Society, $4570. Pioneer Grain Co., $1000. Prairie Rural Housing, $6500. Rockefeller Foundation, $3500. Saskatchewan Cooperative Wheat Producers, $7500. Saskatchewan Teachers' Federation, $1500. Thorvaldson Scholp., $5500. Many other benefactions of less than $1000 each.

RETIREMENT. Bertha Oxner, Director of Women's Work.

RESIGNATIONS. Theodora E. Bryce, Supervisor of Girls' Work, to a position in Leonard Theological Coll., Jubbulpore, India. R. W. Cook, Prof. of Psychol., to a position with the Defence Research Board. W. J. R. Crosby, Asst. Prof. of Mathematics, to Fac. of Univ. of Toronto. W. W. Hawkins, Asst. Prof. of Biochem., to Fac. of Univ. of Manitoba. W. Kozakiewicz, Assoc. Prof. of Mathematics, to Fac. of Univ. of Montreal. W. R. Lederman, Asst. Prof. of Law, to Fac. of Dalhousie Univ. R. W. Lemieux, Asst. Prof. of Chemistry, to National Research Council. E. R. Thackeray, Assoc. Prof. of Physics at Regina Coll., to Fac. of Univ. of Akron.

DEATHS. R. A. Wilson, Emeritus Prof. of English. J. Neilson, B.Acc., F.C.A., Emeritus Dean of Accounting.

HONORARY DEGREES. *LL.D.*—H. P. Armes, Dean of Univ. of Manitoba; L. E. Kirk, Chief of the Plant Industry Branch, Agricultural Division of the Food and Agricultural Organization of the United Nations; Hon. W. M. Martin, Chief Justice of Saskatchewan; J. M. Minifie, Senior Writer, *The Reporter*; J. F. C. Anderson, Pres. of Canadian Medical Association; C. Hill,

Sec., British Medical Association and Pres.-Elect of the World Health Organization; W. Magner, Immediate Past-Pres. of Canadian Medical Association; J. A. MacFarlane, Dean of Fac. of Medicine of Univ. of Toronto.

STUDENTS. Total: 7494; full-time: 4201, including 89 postgraduates; pt.-time: 3293.

DEGREES. B.A., 352; LL.B., 34; B.S.A., 146; B.S.P., 52; B.H.Sc., 26; B.S.N., 5; B.E., 300; B.Comm., 110; B.Acc., 3; B.Ed., 163; B.Mus., 1; M.A., 11; M.Sc., 17; M.Ed., 4; LL.D., 8.

SIR GEORGE WILLIAMS COLLEGE

MONTREAL, QUEBEC

Founded 1929

PRINCIPAL—KENNETH EVERETTE NORRIS, M.A., Ph.D. McG.

REGISTRAR—DOUGLASS BURNS CLARKE, M.A. McG., B.A.

ASSISTANT REGISTRAR—ROBERT ALEXANDER FRASER, B.A.

BURSAR—HENRY GEORGE WORRELL, B.A.

DEAN—HENRY FOSS HALL, B.A. Eastern, L.R E. Montreal Diocesan Theological Coll.

ASSISTANT DEAN—ERNEST STABLER, B.A. Qu., M.A. McG.

ACTING ASSISTANT DEAN—CLAUDE WILLETT THOMPSON, M.A. Oxon.

LIBRARIAN—MARGARET FLORENCE BROADHURST, B.A. Qu., B.L.S. McG.

STUDENT COUNSELLOR—ARTHUR HARDISTY MCFARLANE, M.A. McG.

TEACHING STAFF

Accountancy

Finnie, J. G., B.Sc.(Com.) Asst. Prof
Atkinson, J. B. Lectr.
Bloom, A , B.Sc.(Com) Lectr.
Davies, V. F , B.A. Lectr.
Harrison, R. P., B.Com. McG. Lectr.
Koch, S. W. Lectr.
Howson, A. H., B.A. Tor. Lectr.
Kerr, S. A., B.Com. McG. Lectr.
Valpy, R. D. Lectr.

Biology

Honeyman, J. M., B.A. McG., A.M. Harv. Asst. Prof.
MacKenzie, Mrs. Agnes, B.Sc. McG. Lectr.
Peets, D. L., B.Sc. McG. Lectr.

Chemistry

Madras, S., B.Sc., Ph.D. McG. Assoc. Prof.
Ufford, J. R., B.Eng. McG., M.A. Tor. Asst. Prof.
Spracklin, B. G., B.A., B.Sc. Acad. Asst. Prof.
Dick, J. G., B.Sc. Lectr.
Massiah, T., B.Sc. Lectr.
Colter, J., B.Sc. Alta. Lectr.
Kushnarov, H., M.Sc. Manit. Lectr.
Schaffelburg, B. S., M Sc. Acad. Lectr.
Yates, C. H., B.Sc. Lectr.

Classics

Worsfold, H. H., B.A. Camb., M.A. McG. Assoc. Prof.

Commerce

Pugsley, P. T. R. Asst. Prof.
Archer, J. B., B.A., B.Sc.(Com.) Lectr.
Brown, L. J., M.A. Manit., F.S.A. Lectr.
Campbell, T. D., B.Sc. (Com.) Manit. Lectr.
Chandler, H. W., B.Sc.(Com.) Lectr.
Crawford, J. Lectr.

Collard, E. G., B.A., B.C.L. McG. Lectr.
Dyer, Dorothy F. Lectr.
Ford, W. M., B.A., B.C.L. McG. Lectr.
Gore, J. D., B.Com. McG. Lectr.
Innes, W. D., B.Sc.(Com.) Lectr.
Kelland, F., B.Com., M.A. McG. Lectr.
MacLean, A. Lectr.
Maurice, G. U., B.A. Ottawa, L.Sc.Soc. Montr. Lectr.
McCann, J. A. Lectr.
McLaughlin, C., M.Com., B.A. Manit. Lectr.
Metayer, T. J., E.M. Lectr.
Mitchell, J. Lectr.
Morrison, Joan P. Lectr.
Popkin, J. E , B.A. McM., B.Com. Qu , M.A McG. Lectr.
Read, L. M., B.A , B.Sc. Lectr.
Rowan, R. Lectr.
Sarrasin, J. J. Lectr.
Threlfall, M. S. Lectr.
Walsh, A. A. M., B.A., B.C.L. McG. Lectr.

Draughting

Rossaert, F. E. N. Lectr.
Hutchison, W. L. Lectr.

Economics

Lermer, A., M.A. Tor. Assoc. Prof.
Guter, E., M.A. McG. Lectr.
Halford, C R., B.Com. Lectr.
Hobbes, V. G., B.A. Tor. Lectr.
Maddison, A., M.A. Camb. Lectr.
Wiseman, Mrs. Sylvia, B.A. McG. Lectr.

Education

Stabler, E., B.A. Qu., M.A. McG. Lectr.
Patterson, L. P., B.A. Mt. A., M.A. Harv., Ed.D. Col. Lectr.

English

Francis, Mrs. Wynne P., B.A. Asst. Prof.
Wasserman, Mrs. Rachel, M.A. McG., M.A. Rad., Ph.D. Cornell Asst. Prof.
Waterston, Mrs. Elizabeth, M.A. Bryn Mawr, Ph.D. Tor. Asst. Prof.
Bernard, A., M.A. Mt. All. Lectr.
Crowther, K. F., M.A. Qu. Lectr.
Fichaud, Mrs. Gwen, B A. Lectr.
Green, H. G., B.Sc., M A. Mich. Lectr.
Hankinson, W. C., M.A. Acad. Lectr.
Harrison, J. L., B.A. Lectr.
Hersh, J., B.A. Lectr.
Kneeland, S. F., B.A. McG. Lectr.
Manson, N. S., B.A. Lectr.
MacLean, Mrs. Lorna E , B A. Tor., M.A Smith Lectr.
McGill, D., B A. Tor. Lectr.
Miller, Mrs. Audrey, M.A. Tor. Lectr.
Phillips, Mrs. Bluebell S. Lectr.
Stoeckel, R. W. Lectr.
Werry, W. W., B.Com., M.A. McG. Lectr.

Fine Arts

Clarke, D. B., M.A. McG. Assoc. Prof.
McCorkindale, J. Lectr.
Sherman, Mrs. Leah, M.A. N.Y.U., B.A. Lectr.
Wheeler, O., B.A. Bishop's Lectr.
Allen, Mrs. Thelma S. Lectr.
Holland, Miriam R. Lectr.

French

Villard, P., O. Lég. d'H., M.A., Ph.D., M.D. Prof.
Chodat, W. H. Lectr.

German

Flore, R. F. Asst. Prof.

History

Rothney, G. O., B.A. Bishop's, M.A., Ph.D. Lond. Prof.
Cooper, J. I., M.A. Western, Ph.D. McG. Lectr.

Callan, R. F., M.A. Bishop's Lectr.

Humanities

Thompson, C. W., M.A. Oxon. Prof.

Gore, N. N., M.A. Princeton, Ph.D. Edin. Lectr.

Mathematics

Smith, M. R., M.A. Edin. Assoc. Prof.

Vowles, Edna, B.Sc. Brist. Lectr.

Schwartz, H. H., B.Eng. McG., S M. M.I T. Lectr.

Zweig, J. P., B.Sc., B.Sc.(Com.) Lectr.

Deathe, E. W. V., B.A. Dal. Lectr.

Blackmore, W. R., M.Sc. New Br., B.Sc. Lectr.

Popp, Z. G., M.B.A. Chic. Lectr.

Storr, E., B.A. Oxon. Lectr.

Natural Science

Hall, H. F., B.A. Eastern, L.R.E. Montr. Dioc. Coll. Prof.

Paterson, E. R., B.A. McG. Lectr.

Philosophy

Fraser, W. R., B.A. Mt. All., M.A. Dal., B.D. U.T.C. Assoc. Prof.

Physics

Macfarlane, J. T., B.A. McM. Asst. Prof.

Henry, A. M., B.A. Lond., M.A. McG. Lectr.

Stiles, R. D., B.Sc. N.S.T.C. Lectr.

Turnbull, A. D., B.Sc. N.S.T.C. Lectr.

Political Science

Quinn, H. F., M.A. McG. Assoc. Prof.

Fraser, R. A., B.A. Lectr.

Schwartz, D., B.A. Qu., B.C.L. McG., LL.M. Harv. Lectr.

Dubsky, J., D.L. Masaryk Lectr.

Psychology

Bridges, J. W., B.A. McG., M.A., Ph.D. Harv. Prof.

Tuckman, J., B.S.S. C.C.N.Y., M.A., Ph.D. Col. Lectr.

Lambek, Mrs. Hanna, M.A. McG. Lectr.

Irvine, Mrs. Lucille, M.A. McG. Lectr.

Milner, Mrs. Brenda A., M.A. Camb. Lectr.

Social Science

Merrill, G. C., M A. McG. Lectr.

Sociology

Potter, H. H., M.A. McG., B.A. Asst. Prof.

Greene, Florence B., B.A. Tor. Lectr.

Spanish

Ramsey, Mary P. Lectr.

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 1949 some 920 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.

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.

LIBRARY. 20,384 vols.

LABORATORIES. Biol., Chem., Electricity, and Physics.

DEGREE COURSES. 4 yrs. B.A., B.Sc., B.Com. (a longer time is required in the evening division). No higher degrees are awarded.

DIPLOMAS. 2 yrs. Assoc. Arts, Assoc. Sc., Assoc. Com. (a longer time is required in the evening division). 4-yr. course for Dip. in Association Sci. for professional Y.M.C.A. Secretaryship.

FEES. Annually for tuition—Day Division: $185, plus $10 lab. fee for each course involving lab. work, $10 student society fee. Evening Division: $33 for each 8-month subject, $16.50 for each 4-month subject, plus $10 lab. fee for each course involving lab. work, and $5 student society fee.

RESIDENCE. Men students may reside in the Y.M.C.A dormitories which occupy space in one of the buildings used by the Coll.

PUBLICATIONS. *The Georgian* (students weekly newspaper); *The Yearbook* (graduating class annual); *Quarterly News-Letter* (quarterly of Alumni Assoc.); *Georgian Faculty Review* (pub. quarterly by Faculty).

THE YEAR 1948–49

STUDENTS. Total: 3263; full-time: 764; pt.-time (undergraduates): 1212; pt.-time (special students): 1287; the total includes 696 women. No postgraduates.

DEGREES. B.A., 68; B.Sc., 62; B.Com., 45.

DIPLOMAS. Association Science, 7; Assoc. in Arts, 26; Assoc. in Science, 10; Assoc. in Commerce, 22.

UNIVERSITY OF TORONTO

TORONTO 5, ONTARIO

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.

CHANCELLOR—The Rt. Hon. VINCENT MASSEY, C.H., M.A., LL.D., D C L., 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, K C , M.A., LL D., D.C.L.

REGISTRAR—J. C. EVANS, B.A.

COMPTROLLER—R E. SPENCE, B.A.

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—G. L. COURT, D.F.C., B.Com.

DIRECTOR OF UNIVERSITY EXTENSION—W. J. DUNLOP, B.A., B.Pæd., LL.D.

WARDEN OF HART HOUSE—N. IGNATIEFF, M.B.E., B.Sc.

DIRECTOR OF UNIVERSITY HEALTH SERVICE—C. D. GOSSAGE, O.B.E., M.D., F.R.C.S.

ASSISTANT DIRECTOR OF UNIVERSITY HEALTH SERVICE (WOMEN)—FRANCES H. STEWART, B.A., M.D.

MANAGER OF THE UNIVERSITY OF TORONTO PRESS—A. G. RANKIN, B.Com.

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.

Lecturers

Carpenter, E. S., M.A. Penn.

Emerson, J. N., M.A.

4 Assts.

Archæology, v. Art and Archæology

Architecture, v. *infra*

Art and Archæology

Brieger, P. H., Ph.D. Breslau
Hd. of Dept. and Prof.
Comfort, C. F. Assoc. Prof.
Brett, G., M.C., M.A. Oxon.
Assoc. Prof.
Graham, J. W., M.A. Acad. Ph.D. Johns H. Asst. Prof.
Vickers, G. S., B.A. McM., A.M. Harv. Asst. Prof.

Special Lecturers

Baldwin, L. C. M., B.A.Sc.
Hall, J. A.
Haworth, P., D.F.C.
Williams, Rev. R. J., Ph D. Chic., M.A., B.D.
Brett, Mrs. Katharine B.
2 Instrs., 1 Asst., 1 Reader.

Astronomy

Hogg, F. S, A.M., Ph.D Harv., B.A.
Hd. of Dept., Prof. and Dir. of Observ.
Heard, J. F., B.A. W. Ont., M.A. McG., Ph.D. McG and Lond.
Assoc. Prof.
Williamson, R. E., A.M., Ph.D. Chic. Asst. Prof.

Lecturers

Baglow, R. L., B.A. Camb.
Hogg, Mrs. Helen B. S., A.B. Mt. Holyoke, A.M., Ph.D. Rad., F.R.S.C.
Northcott, Ruth J., M.A.

Biology, v. Zoology

Botany

Jackson, H. S., A.B. Corn., Ph.D. Wisc., F.R.S.C. (Mycol.)
Hd. of Dept. and Prof.
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

Assistant Professors

Wright, Jessie G., M A., Ph.D.
Lehmann, A. J. V., M.Sc. Alta.
Hamly, D. H , M A , Ph D
Forward, Dorothy F., Ph.D Tor. and Camb., M.A.
Bannan, M. W., B.A., Ph D.
Soper, J. H , M A. McM., Ph.D. Harv.
Bier, J. E., B.Sc.F., M.A., Ph.D.

Lecturers

Cain, R. F., M.A., Ph.D.
Dearden, Elizabeth R., B.A.
Hull, Kathleen L , M A. McM., Ph.D. Chic.
MacNeill, B. H., B.Sc. Acad.
Rothfels, K. H., B.A., Ph.D.
16 Demrs.

Chemistry, v. also Eng., 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.
Beamish, F. E., M A. McM. Prof.
Rogers, L. J., B.A.Sc., M.A. (Anal. Chem.) 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.
LeRoy, D. J., M.A., Ph.D., F.R.S.C.
McIntosh, R. L., M.B.E., B.A., M.Sc. Dal., Ph.D. McG., F.R.S.C.

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. Cal., A.M. Col., Ph.D. Cal. Inst. Tech.
Lister, M. W., M.A., D.Phil. Oxon.
Eastcott, Edna V., M.A., Ph.D. Lectr.
28 Demrs.

Chinese Studies, v. *infra*, East Asiatic Studies

Classics

Norwood, G., M.A. Camb., D.Litt. Wales, F.R.S.C. Dir. and Prof. (C.).
Dale, E. A., M.A. Oxon. Prof (C. and T.).
Getty, R. J., B A. Belf., M.A. Camb. (Latin) Prof. (C.).
Tait, M. D. C., M.A. Oxon. Assoc. Prof. (C.).
Bagnani, G., D.Litt. Rome (Anc. Hist.) Asst. Prof. (C).
Wallace, W. P., B.A. Oxon., Ph.D.
Johns H., B.A. (Anc. Hist.) Asst. Prof. (C.).
Woodbury, L. E., B.A. Manit., A.M., Ph.D. Harv. Asst. Prof (C.).

Lecturers (C.)

Thomson, D. F. S., M.A. Oxon.
Heichelheim, F. M., Ph.D. Giessen.
Shepherd, R. M. H., B.A. Camb.
Bennett, H., Ph.D. Chic., B.A. Prof. (V.).
Robertson, H. G., Ph.D. Chic., B.A. Prof. (V.).
Woodside, M. St. A., B.A. Tor., M.A. Oxon. (Anc. Hist.) Prof. (V.).
Robson, D. O., M.A., Ph.D. Assoc. Prof. (V.).
Keyes, G. L., Ph.D. Princet., M.A. Asst. Prof. (V.).
Grube, G. M. A., M.A. Camb. Prof. (T.).
Adams, S. M., M.A. Prof. (T.).
White, Mary E., M.A. Oxon. Assoc. Prof. (T.).
Scrivin, J. W., M.A. Camb. Asst. Prof.
Cole, J. W., B.A. Oxon. Lectr. (T.).
Muckle, Rev. J. T., M.A. Cath. U. Am., 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'Toole, Rev. W. B., M.A. Prof. (M.).
O'Donnell, Rev. J. R., M.A., Ph.D. Prof.
St. John, Sister M., M.A. Assoc. Prof. (M.).
St. Stanislaus, Sister M., M.A. Assoc. Prof. (M.).
Wey, Rev. J. C., M.A. Assoc. Prof. (M.).

Lecturers (M.)

Blandina, Sister M., M.A.
McNeil, Rev. D. J. J., M.A.
Sheridan, Rev. J., M.A., Ph.D.

Dentistry, v. *infra*

East Asiatic Studies

Walmsley, L. C., B.A., D.Pæd. Hd. of Dept. and Assoc. Prof.
Fernald, Helen E., A.B. Mt. Holyoke Asst. Prof.
Shih, C. C., B.A. Peiping, B.D. Hartford, M.A., Ph.D. Chic. Asst. Prof.
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. Prof. (C.).
Knox, R. S., M.A. Aberd., B.A. Oxon. Prof. (C.).
Clawson, W. H., B.A. New Br., M.A., Ph.D. Harv. Prof. (C.).

Endicott, N. J., B.Litt. Oxon., B.A. Oxon. and Tor. Assoc. Prof. (C.).
MacGillivray, J. R., Ph.D. Harv., M.A. Assoc. Prof. (C.).
Wilson, H. S, B.A. Dal., A.M., Ph D. Harv. Assoc. Prof. (C.).
Grant, W. D. B., M.A. Oxon. Assoc. Prof. (C).
Priestley, F. E. L., M.A. Alta., Ph.D. Assoc. Prof. (C.).
Bissell, C. T., Ph.D. Cornell, M.A. Asst. Prof. (C.).
Dunn, C. W., B.A. McM., A.M., Ph.D. Harv. Asst. Prof.

Lecturers (C.)

Blissett, W. F., B.A. Br. Col., M.A.
MacLean, H. N., B.A. Princeton, M.A.
Rhodes, E., M.A. Lond.
Pratt, E. J., C.M.G., Litt.D. Manit., M.A., Ph.D., F.R.S.C. Prof. (V.).
Robins, J. D., Ph.D. Chic., M.A. Prof. (V.).
Fisher, J., B.A., B.Litt. Oxon. Prof. (V.).
Frye, H. N., M.A. Oxon., B.A. Prof. (V.).
MacLean, K., B.A , Ph.D. Yale Assoc. Prof. (V.).
Coburn, Kathleen H., B.Litt. Oxon., M.A. Asst. Prof. (V.).

Lecturers (V.)

Jenking, Ruth I., M.A.
Hoeniger, F. D., M.A.
Love, C. C., M.A. Camb.
Rooke, Miss B. E., M.A. Qu., Ph.D. Lond.
Ray, Margaret V., B.A. Sp. Lectr.
Barker, A. E., Ph.D. Lond., M.A. Prof. (T.).
Child, P. A. G., 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.
Wilson, M. T., M.A. Lectr. (T).
McCorkell, Very Rev. E. J., M.A. Cath. U. Am., LL.D. Ottawa, B.A. Prof. (M.).
Shook, Rev. L. K., M.A. Tor. and Harv., Ph.D. Harv. Prof. (M.).
McLuhan, H. M., M.A. Manit. and Camb., Ph.D. Camb. Prof. (M.).

Lecturers (M.)

Dominica, Sister M., M.A.
Dorsey, Rev. J., M.A. Cath. U. Amer., B.A.
Mallon, Rev. H. V., M.A.
St. Francis, Sister M., M.A.
St. Margaret, Sister M., M.A. Chic., B.A.
14 Teaching Fellows (C.) and 1 (T.), 1 Instr. (C.), 6 Readers (V.).

Fine Art, v. Art

Food Chemistry

Smith, M. Doreen, M.A., Ph.D. Assoc. Prof.
Walker, E. Isabel, M.A. Asst. Prof.
Butterfield, Mrs. Jean R., M.A. Lectr.
1 Instr., 5 Assts.

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.
Hosie, R. C., B.Sc.F., M.A. Prof.
Michell, A. S., B.Sc.F. Asst. Prof.
Love, D. V., B.Sc.F. New Br., M.F. Mich. Asst. Prof.
Hall, A. D., B.Sc.F. Lectr.
1 Instr., 2 Demrs., 1 Fellow.

French

Jeanneret, F. C. A., D. ès L. Laval, B.A., O.A. Prof. (C.).
Rouillard, C. D., A.B. Bowd., A.M., Ph.D. Harv. Prof. (C.).
McAndrew, W. J., M.A.

Humphreys, H. L., B.A. Mich., M.A. Princeton, Ph.D. Col. Assoc. Prof. (C.).
Andison, J. G , B.A. Manit., A.M., Ph.D Col. Assoc. Prof. (C.).
Finch, R. D C., B A. Assoc. Prof. (C.).
Joliat, E. A., B.A. McG , D. de l'U. Paris Assoc. Prof. (C.).

Lecturers (C.)

Balthazard, Isabelle G., M.A., O.A.
Hayne, D. M., M.A., Ph.D. Ott., B A.
MacDonald, Marguerite D., Dip. de l'U. Paris.
Parsons, C. R., M.A. McG.
Sanouillet, M., L. ès L , Dir. d'E.S. Paris.
Trethewey, W. H., Ph D. Chic., M A. Prof. (V).
Hare, F. A., M.A. Asst. Prof. (V.).
Riese, Laure, Dip. d'É. Sup Neuchâtel, M A., Ph.D. Asst Prof. (V.).
Laidlaw, G. N., B.A Mt. A., M.A. Oxon. Asst. Prof.

Lecturers (V.)

Cook, Alta L., B.A.
de Montmollin, D., L. ès L. Neuchâtel.
Ross, A. C. M., M.A. McM.
de Beaumont, V., A.M. Col. Sp. Lectr. (V.)
Hicks, R. K., B A. Camb., A.M. Harv. Prof. (T.).
Rogers, W. S., M.A. Col., B.A. Prof. (T.).
Kennett, W. T. E , B.A. Br. Col., M.A., Ph.D. Princet. Assoc. Prof. (T.).
Ruddock, W. J., M.A. Qu., B.A. Asst. Prof. (T.).
Bondy, Rev. L. J., M.A. Chic., Ph.D. Johns H., D. ès L. Montr., B.A. Prof. (M.).
Denomy, Rev. A. J., B.A. W. Ont., Ph.D. Harv., M.A. Harv. and Tor., F.R.S.C. Prof. (M.).

Lecturers (M.)

Bernard, Sister M., M.A.
Drouillard, Rev. C., M.A.
Klem, Rev. L. J., M.A.
Lajeunesse, Rev. E. J., B.A. West., M.A.
Marie-Thérèse, Sister, M.A., Ph.D.
Olga, Sister M., M.A.
St.-Magdalen, Sister M., M.A.
4 Teaching Fellows (C) and 1 (T.), 1 Instr. (C.), 1 Fellow (V.), 1 Oral Instr. (V) and (T).

Genetics, v. Zoology

Geography

Taylor, Griffith, B.A. Camb , B E., D.Sc. Syd., F.R.S.C. Hd. of Dept. and Prof.
Putnam, D. F., B S.A., Ph D. Assoc. Prof.
Tatham, G., M.A. Liv., Ph.D. Clark Assoc. Prof.

Lecturers

Bird, J. B., M.A. Camb
Bird, Mrs. M. B., M.A. Camb.
Kerr, D. P., B.A. Br. Col., M.A.
Spelt, J., M.A. Wisc., drs. Utrecht.
Wonders, W. C., M.A. Syracuse, B.A.
4 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.
Peacock, M. A., A.M. Harv., Ph.D., D.Sc. Glas., F.R.S.C. (Crystallog. and Mineral.) Prof.
MacLean, A., B.A. (Geol.) Prof.
Fritz, Madeleine A., B.A. McG., M.A., Ph.D., F.R.S.C. (Palæontol.) Assoc. Prof.
Russell, L. S., B.Sc. Alta., M.A., Ph.D. Princeton, F.R.S.C. (Palæontol.) Assoc. Prof.
Meen, V. B., M.A., Ph.D. (Mineralogy) Asst. Prof.

Moorhouse, W. W., Ph D. Col., M A. (Geol.) Asst. Prof.
Smith, F. G., M.Sc. Manit., Ph.D. Asst. Prof.
Nuffield, E. W., B.A. Br. Col., Ph.D. Asst. Prof.

Lecturer

Tovell, W. M., M.S. Cal. Inst. Tech., B.A.

16 Assts., 2 Instrs.

Geophysics

Wilson, J. T., O.B.E., B.A. Tor., M.A Camb., Ph D Princeton, F.R S C. Prof.
Garland, G D., B.A.Sc , M.A. Lectr.
Brant, A. A., D.Phil. Berlin, M.A. Sp. Lectr.

German

Fairley, Barker, M A. Leeds, Ph.D. Jena, F.R.S C. Prof. (C.).
Boeschenstein, H., Ph.D. Rostock Prof. (C.).
Hedman, T., Ph B. Chic. Assoc. Prof. (C.).

Lecturers (C.)

Sinden, Margaret J., B.A., Ph.D.
Milnes, H. N., Ph D. Ohio State, M.A.
Veit, P. F., M.A.
Surerus, J. A., B.A. Prof. (V.).
Arnold, R. K., Ph.D. Prague Assoc. Prof. (V.).
Field, G. W., M.A., Ph.D. Lectr. (V.).
Lewis, C., M.A. Oxon. Prof. (T.).
Scott, Laila C., M.A. Assoc. Prof. (T.).
1 Teaching Fellow (C.), 1 Instr. (V.).

History

Professors

Martin, Chester, M.A. Oxon., LL.D. Manit. and New Br., F.R.S.C.
* Hd. of Dept. and Prof.
Flenley, R., M.A. Liv., B.Litt. Oxon., F.R.S.C.
Underhill, F. H., M.A. Oxon., B.A.
Brown, G W., M.A , Ph D. Chic., 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.
McInnis, E. W., M.A. Oxon., B.A.

Associate Professors

McDougall, D. J., M A. Oxon., B.A
Saunders, R. M., M A Clark, Ph D Corn.
Careless, J. M. S., A.M. Harv., B.A. Asst. Prof.

Lecturers

Albright, Margaret, B.A.
Conacher, J. B., M.A. Qu., Ph.D. Harv.
Craig, G. M., Ph.D. Minn.
Paterson, G. C., M.A.
Powicke, M. R., M.A. Oxon.
Bennett, G., M.A. Oxon.
Nelson, H. I., M.A. Corn., B.A.
Moudry, V., D.Jur. Prague.
8 Assts., 1 Reader.

History, Ancient, v. Classics

Household Science

Brodie, Jessie B., A.M., Ph.D. Col., B.A. Hd. of Dept. and Prof.
Park, Edna W., M.A. Assoc. Prof.
Roberts, Jessie S., M.Sc. Manit., B.A. Asst. Prof.

Lecturers

Coatsworth, Helen R., M.A.
Dix, D. Jean, B.H.Sc. Sask.
McKellar, Margaret R., M.A.
Smith, Mrs. Enid H., M.S. Col., B.A.

2 Assts., 1 Research Asst.

Italian, Spanish and Portuguese

Goggio, E., B.A., Ph.D. Harv., M.A. Hd. of Dept. and Prof.
Patterson, G. C., M.C., B.A. Assoc. Prof.

Cano, J., A.B. Tol., A.M., Ph.D. Col. Assoc. Prof.
de Chasca, E. V., Ph.D. Chic. Assoc. Prof.
Parker, J. H., M.A., Ph.D. Asst Prof.

Lecturers

Corrigan, Beatrice M., M.A., Ph.D.
Tayler, N. H., M.A., Ph.D.
Dawson, T. L C., M.A
Molinaro, J. A., M.A.
Leo, U., Ph D Gött Sp. Lectr.
7 Instrs., 1 Teaching Fellow.

Law

Wright, C. A., K C., B.A , LL.D. West., S.J D. Harv. Dean Sch. Law.
Auld, F. C., K.C., B.A. McG., M.A., B.C.L. Oxon. Prof.
Finkelman, J., K.C., M.A., LL.B. Prof.
Laskin, B., LL.M. Harv., M.A., LL.B. Prof.
Willis, J., B.A. Oxon. Prof.
La Brie, F. E., B.A., LL.B. Alta., LL.M. Asst. Prof.

Lecturers

Vanek, D., B A.
Gray, V. E., K.C., M.A. McM., LL.B. Sp. Lectr.
1 Asst., 2 Demrs., 3 Assocs.

Library Science, v. *infra*, Ontario Coll. of Education

Mathematics

Professors

Beatty, S., M.A., Ph.D., F.R.S.C. Hd. of Dept. and Dean Fac. Arts.
Pounder, I. R., Ph.D. Chic., M.A.
Webber, W. J., B.A. Camb.
Stevenson, A. F. C , M.A., Ph.D. Camb., F.R.S.C. (App. Maths.).
Coxeter, H. S. M., B.A., Ph.D. Camb., F.R.S.C.
Sheppard, N. E., M.A., F.I.A.
Infeld, L., Ph.D. Cracow, F.R.S.C. (App. Maths.).

Associate Professors

Robinson, D. A. F., Ph.D. Chic., M.A.
Burk, J. D., B.A.
Robinson, G. de B., M.B.E., Ph.D. Camb., B.A., F.R.S.C.

Assistant Professors

Griffith, B. A , M.A., Ph D. (App. Maths.).
Krieger, C. Cecilia, M A., Ph.D.
Baillie, D. C., M.A.
Fraser, D. A. S., A.M., Ph.D. Princeton, M.A.
Crosby, W. J. R., M.A., Ph.D.
Tutte, W. T., M.A., M.Sc., Ph.D. Camb. Lectr.
Coleman, A. J., M.A. Princeton, B.A., Ph.D. Lectr.
Stanton, R. G., B.A. West., M.A., Ph.D. Lectr.

Special Lecturers

De Lury, D. B., M.A., Ph.D.
Lorentz, G. G., Ph.D. Leningrad and Tübingen.
Reid, D. B. W., M.A. McG., M.Sc. Virginia Polytech. Inst.
Seal, H. L., B.Sc., Ph.D. Lond.
12 Teaching Fellows, 1 Instr., 2 Readers.

Medicine and Surgery, v. *infra*

Metallurgy, v. Engin.

Military Studies

Watson, M. B., B.A.Sc., C.E., M.E. Director and Asst. Prof.
1 Asst.

Mineralogy, v. Geological Sciences

Music, v. *infra*, and Ontario Coll. of Education

Nursing, v. *infra*

Oriental Languages

Taylor, W. R., D.D. Qu. and Vic., M.A., Ph.D., F.R.S.C. Prof. (C.).

Meek, T. J., B.D. McCorm., Ph.D. Chic., D.D. Qu., B.A., F.R.S.C., F.R.S.A. Prof. (C.).
Winnett, F. V., M.A., Ph.D. Assoc. Prof. (C.).
McCullough, W. S., M A., B.D., Ph.D. Assoc. Prof. (C.).
Williams, Rev. R. J., Ph.D. Chic., M.A., B.D. Asst. Prof. (C.).
Staples, W. E., M.A., Ph D. Prof. (V.).
MacPherson, Rev. J., M.A. McG., B.D. Montr. Asst. Prof. (V.).
Newby, Rev. M. T., M.A. Assoc. Prof. (T.).
1 Teaching Fellow (C.).

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.

Assistant Professors

Long, W. M. D., M.A., Ph D.
Savan, D., A.M. Harv.
McRae, R. F., Ph.D. Johns Hopkins, M.A.
Dryer, D. P., A.M. Harv.

Lecturers

Campbell, C., M.A. Dub.
Fackenheim, E. L., Ph.D.
Doan, F. M., M.A. West.
Wernham, J. C. S., M.A. Camb. and Aberd., S.T.M. U.T.S.
Irving, J. A., M.A. Tor. and Camb. Prof. (V.).
Leslie, Rev. C. W., Ph.D. Harv., B.D., M.A. Prof. (V.).
Macpherson, Jessie, M.A., Ph.D. Lectr. (V.).
Edison, G., M.A. Col., Ph.D. 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.
Gilson, E., D. ès L. Paris, LL.D Aberd., Harv. and St. And. Ph.D. Montr., Rome and Milan, D.Litt. Oxon. Prof. (M.)
Dore, Rev. J. W., Ph.D. Ottawa B Pæd., M.A. Prof. (M.)
Pegis, A. C., M.A. Marq., Ph.D. President Inst. Med. Stud and Prof. (M.).
Eschmann, Rev. I. T., Ph.D. S.T.D Rome Prof. (M.)
Kelly, Rev. J. M., M.A., Ph.D. 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 Asst Prof. (M.)
MacDonald, Rev R, M.A, Ph D Asst. Prof. (M.)

Lecturers (M.)

Marcia, Sister M., M A., L M.S., Ph.D.
Welty, Rev. E. J., B.A. West., Ph.D. Freiburg, M.A.
Maurer, Rev. A A. A., M.A., Ph D
Sullivan, Rev. E. J. J., M.A.
1 Teaching Fellow (T.).

Physics

Satterly, J., M.A. Camb., D.Sc. Lond., F.R S.C. Prof.
Ireton, H J C, M A., Ph D. Prof.

Associate Professors

Ainslie, D S., M A., Ph.D.
Barnes, C., M Sc. Leeds, Ph.D.
Crawford, M. F., B.A. W. Ont., M.A., Ph.D., F.R.S.C.
Anderson, J. M., M.A., Ph.D.
McKay, R. W., M.A., Ph.D.
Welsh, H. L., M.A., Ph.D.

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.
Ivey, D. G., M.A. Br. Col., Ph.D. Notre Dame.
Preston, M. A., Ph.D. Birm., M.A.

Scott, G. D., M.A., Ph.D.
Gotlieb, C. C., M.A., Ph.D.
Pashler, P. E., M.A.Sc., Ph.D.

Lecturers

Reesor, G. E., M.A. McM.
Brockhouse, B N , B A. Br. Col., M A.

Special Lecturers

Thomson, A., O.B.E., M.A., F R.S.C.
Wilhelm, J. O., O.B.E., B.Sc. Sask , M A.
26 Demrs , 2 Instrs , 1 Fellow.

Political Economy

Professors

Innis, H A , M.A. McM , Ph.D Chic., LL.D. New Br., Manit., Glas and McM , D Sc.Ec. Laval, F R.S.C
Dean Sch Grad. Stud., Prof. and Hd. of Dept.
Ashley, C. A., B.Com. Birm , F C A.
Bladen, V. W., M.A. Oxon., F.R.S C.
Dir., Inst. Indus. Relations.
Brady, A., B.A. Tor. and Oxon., M.A., Ph D., F.R.S.C.
Dawson, R. MacG , M.A. Dal., A M. Harv., M.Sc. Lond., F R S C.
Elliott, G. A., M.A. Manit., F.R.S.C.
Logan, H. A , B A. Acadia, A.B. Yale, Ph.D. Chic., F.R.S.C.
Riddell, W. A., B.A., LL.D. Manit., M.A., Ph.D. Col.
(Internat. Relations).

Associate Professors

Crocombe, F. R., M.A. Camb. (Acc.).
Clark, S. D., M.A. Sask. and McG., Ph.D.
Easterbrook, W. T., B.A. Manit., M.A., Ph.D.
MacGregor, D. C., B.A.
Morgan, L. T., B.A. Br. Col., M.A., Ph.D. Calif.

Assistant Professors

Currie, A. W., B A., B.Com. Qu., D.Com.Sci. Harv.
Helleiner, K. F. M., Ph.D. Vienna.
Hennessey, S. G., B.Com.
Macpherson, C. B., M.Sc. (Econ.) Lond., B A.
Beard, F. N., B.Com.

Lecturers

Chinoy, E., B.A. Newark.
Fleming, R. H., B.Com.
Giffen, P. J., M.A.
Murray, S. G., M.A. McG., LL.B. Harv.
Sutherland, R. J., B.Com , M.A.
Wallace, Mary E., B.A. Oxon. and Tor.
Reid, A N , M.A. Qu.
Kemp, Margaret A , B A. Camb. and Tor.
Jones, D , B Com Manit.
Burnet, Jean R., Ph D. Chic., M A
Toombs, F. C., Ph.B. Chic.
Sp. Lectr.
Coutts, M. C , B.A.Sc. Sp. Lectr.
Edwards, G. A., B.A. West., M.Com. Sp. Lectr.
9 Instrs., 12 Teaching Fellows, 23 Assts.

Portuguese, v. Italian

Psychology

Bott, E. A., O.B.E., B.A.
Hd. of Dept. and Prof.
Blatz, W. E., Ph.D. Chic., M.A., M.B.
Dir. Inst. Child Study, Prof.
Line, W., O.B.E., B.Sc. Mt. A., M.A., M.Ed. Alta., Ph.D. Lond. Prof.
Bernhardt, K. S., Ph.D. Chic., M.A. Prof.
Myers, C. R., M.A., Ph.D. Prof.
Williams, D. C., B.A. Manit., M.A., Ph.D. Prof.
Ketchum, J. D., M.A. Assoc. Prof.
Salter, Mary D., M.A., Ph.D. Asst. Prof.

Haagen, C. H., M.A., Ph.D. Iowa Asst. Prof.

Lecturers

Quarrington, B. J., M.A. Qu., B.A.
Smith, A. H., M A. Qu.
Steer, H. O., M.A.
Wright, M. W., B.A. Manit., M.A.

1 Demr., 2 Teaching Fellows, 15 Assts.

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 Asst. Prof.
Allen, R. V., B.Ed.S. Ill., M.A. Yale Lectr.
Grobicki, G. A. Lectr.
Kulinovsky, G. N. Lectr.
Odin, J. P., B.A. McM., M.A. Alta. Lectr.

Social Science, v. Pol. Econ. and School of Social Work

Spanish, v. Italian

Zoology

Dymond, J. R., O.B E., M.A., F.R.S.C. (Syst. Zool.) Hd. of Dept. and Prof.
Huntsman, A. G., B.A., M.D., F.R.S.C. (Marine Biol.) Prof.
Coventry, A. F., B.A. Oxon. (Vert. Embry.) Prof.
Baillie, W. H. T., M.A., M.D. (Mamm. Anat.) Prof.
Craigie, E. H., B.A , Ph.D., F.R.S.C. (Comp. Anat. and Neur.) Prof.
Walker, Mrs. Norma Ford, B.A., Ph.D. (Human Biol.) Assoc. Prof.
Fisher, K. C., B.A. Acad., M.A., Ph.D., F.R.S.C. Assoc. Prof.
Fry, F. E. J., M.B.E., M.A., Ph.D., F.R.S.C. Assoc. Prof.
Atwood, C. E., B.S.A. McG., M.S.A., Ph.D. Asst. Prof.
Ide, F. P., M.A., Ph.D. (Entomol.) Asst. Prof.
Langford, R. R., B.Sc. Sask., Ph.D. Asst. Prof.
Butler, L., M.S.A., Ph.D. (Genetics) Asst. Prof.
Urquhart, F. A., M.A., Ph.D. Asst. Prof.
Engelbert, Miss Vibeke E., M.S.A., Ph.D. Asst. Prof.

Lecturers

Lennox, Mrs. Lennora M., B.Sc. Alta.
Neal, G. M., M.A. Br. Col.

13 Demrs., 2 Instrs., 9 Assts.

Applied Science and Engineering

Tupper, K. F., O.B.E., S.M. Mich., B.A Sc.
Wilson, W. S., B.A.Sc. Asst. Dean and Sec.

Aeronautical E.

Loudon, T R., V D., B.A Sc. Hd. of Dept. and Prof.
Patterson, G. N., B.Sc. Alta., M A., Ph.D. (Aerodynam.) Prof.
Etkin, B., M.A.Sc. Asst. Prof.

Special Lecturers

Czerwinski, W., Dip. Eng. Pol. Lwow.
Jackson, W. H., B.A.Sc.
McIntyre, R. B., B.A. Camb., B.A.Sc.

2 Instrs., 2 Demrs., 8 Research 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.
Macdonald, W. C., M.A.Sc. Assoc. Prof.
Breckenridge, J. G., Ph.D. Camb., B.A.Sc. Assoc. Prof.

Minard, G. W., B.Sc. Armour Inst., Ph.D , M.Sc. Ohio State Asst. Prof.
Brockett, C. P., B.Sc. Mass. Inst. Tech. Asst. Prof.
MacElhinney, W. G., M.A.Sc. Asst. Prof.
Graydon, W. F., Ph.D. Minn., M.A.Sc. Asst. Prof.

Lecturers

Sutton, W. J. L., B.Sc Lond.
Williams, L. A., B.A Sask.

Special Lecturers

De Laporte, A. V., B.A.Sc., C.E., F.C.I.C.
Batke, T. L., M A.Sc., Ph.D.
King, R. O., M.A.Sc McG. Hon. Lectr.

8 Instrs., 22 Demrs.

Civil E , Municipal and Struct.

Loudon, T. R., V.D., B.A Sc. Hd. of Dept. and Prof.
Morrison, C. F., B.E. Sask., M.Sc. McG. Assoc. Prof.
Sagar, W. L., B A Sc , C.E. Assoc. Prof.
Helwig, C. E., M.A.Sc. Asst. Prof.
Huggins, M. W., M.A.Sc. Asst. Prof.
Walkinshaw, W. M., M.A.Sc. Lectr.

Special Lecturers

Berry, A. E., M.A.Sc., C.E., Ph.D.
Cleverdon, R. K., B.A.Sc.
Davidson, A. C., B.Sc. Manit., M.A.Sc.
Hershfield, C., B.Sc. Manit.
Dillane, C. W., B.A.Sc.
Storrie, W.
Mills, P. H., B.A.Sc.
Grant, R. R.

10 Instrs.

Civil E., Surveying and Geodesy

Treadgold, W. M., B.A. Hd. of Dept. and Prof.
Marshall, O. J., B A.Sc., C.E. Prof.
Melson, J. W., B.A.Sc. Assoc. Prof.
Macklin, H. L., B.A.Sc. Asst. Prof.
Rowe, T. L. F. Asst. Prof.
Horton, G. T , B A.Sc. Lectr.
Haynes, B.J., B.A.Sc. Lectr.

3 Instrs.

Electrical E.

Tracy, G. F., S M. Mass. Inst. Tech , B.A.Sc. Hd. of Dept. and Prof.
Bayly, B. de F., O.B E., B.A.Sc. Prof.
Smith, V. G , B A.Sc Prof.
Cass-Beggs, D. N., B Sc.Tech. Manc. Assoc. Prof.
Reid, J. E., B A.Sc. Assoc. Prof.
Lauchland, L S., M.A.Sc Asst. Prof.
Sinclair, G., Ph.D. Ohio State Asst. Prof.
Scott, R., S.M. Mass. Inst. Tech., B.A.Sc. Asst. Prof.
Courtice, H. A., B.A.Sc. Lectr.
Doeringer, C. E., M.B.E., B.A.Sc. Lectr.
Kravetz, A. J., B.Sc. Alta. Lectr.
Philp, H. F., B A.Sc. Lectr.

Special Lecturer

Ratz, A. G., M.A.Sc.

2 Instrs., 25 Demrs., 9 Readers.

Engineering Drawing

Cockburn, J. R., M.C., V.D., B.A.Sc. (Descr. Geometry) Hd. of Dept. and Prof.
Wright, W. J. T., M.B.E., B.A.Sc., B.A. (Eng. Drawing) Prof.
Dunbar, W. B., B.A.Sc. Assoc. Prof.
Wardell, A., B.A.Sc. Assoc. Prof.
Jermyn, P. V., B.A.Sc. Asst. Prof.
Edwards, G. R., B.A.Sc. Asst. Prof.

Special Lecturers

Bertram, R. E., B.A.Sc.
Haehnel, W. F., B.A.Sc., Mus.Bac.

Wrenshall, C. A., B.E. Sask.
15 Instrs., 2 Demrs

Mechanical E.

Allcut, E. A., M.Sc. Birm., M.E. Hd of Dept. and Prof.
McIntosh, W G , B A Sc. Prof
Lord, G. R , S M. Mass. Inst. Tech., B.A Sc., Ph D. Assoc. Prof.
Wiren, R. C , B A Sc Assoc. Prof.
Ewens, F. G , M.A Sc Asst. Prof
Jones, L. E., B.Sc , C E Manit , M A.Sc., Ph D. Asst. Prof
Smith, I. W., B.A Sc. Asst. Prof.
Hughes, P. B., B.Sc. McG. Asst. Prof.
Olive, C. E., B.Sc. Lond. Asst. Prof.
Wallace, W. A , B.A.Sc. Asst Prof

Lecturers

Huber, D. G., M.A.Sc.
McFarlane, H. M., B.Sc. Qu.
Waines, R T , B.A Sc.
Thompson, W. T , B.A.Sc
Church, J. W , B Sc.Qu.
Hooper, F C., B.A.Sc.

Special Lecturers

Carr, A. B.
Clodman, O., B.A.Sc.
Laari, W. J , B.A.Sc.
Li, C. C., M.S. Mich.
Morley, W. E., M.Sc. Cal. Inst. Tech., B.A.Sc.
Wood, A. J., B Sc. Lond.
King, R. O., M.A.Sc. McG. Hon. Lectr.
9 Instrs., 27 Demrs., 1 Asst.

Metallurgical E.

Pidgeon, L. M., B.A. Manit., B.Sc. Oxon., Ph.D. McG. Hd. of Dept. and Prof.
Chalmers, B., D.Sc., Ph.D. Lond. Prof.
Corbett, P. M., B.S. Ill., M.S. Penn. State Coll. Assoc. Prof.
Toomer, J. E., B.Sc. N. Carolina Asst. Prof.
Ross, H. U., B.Eng., M.Sc. McG. Asst. Prof.
Thall, B. M., M.A Sc , Ph.D. Lectr.
4 Demrs.

Mining E.

Barrett, R. E., B.Sc. McG. Hd. of Dept. and Prof.
Wolfe, S E , M A Sc Assoc. Prof.
Hewer, W A. M , B A.Sc Asst. Prof.
1 Instr., 4 Demrs.

Physics, Applied

Jackson, K. B., B A.Sc. Hd of Dept and Prof.
Henderson, V. L., A.M. Mich , B A Sc Asst Prof.
Dodington, E. L., B.A.Sc. Asst. Prof.

Lecturers

Atkinson, J. T. N., B.Eng., M.Sc. McG., Ph.D.
Friend, F. B., B.A. McM., M.A. Rochester.
Klawe, J. J., M A. Glas.
12 Instrs.

Architecture

Madill, H. H., O.B.E., V.D., B.A Sc. Director of School and Prof.
Arthur, E. R., M.A., B.Arch. Liv., F.R.I.B.A. Prof.
Carswell, W. E., B.Arch. Asst. Prof.
Barker, R. J. K., B.Arch. Asst. Prof.
Raymore, W. G., B.Arch. Asst. Prof.
Murray, J. A., B.Arch. Asst. Prof.
Adamson, A. P. C., M.A. Camb. Asst. Prof.

Lecturers

Fliess, H., B.Arch.
Kent, S. R., B.Arch.
McBain, W. J., B.Arch.

Owen, H.
Robb, G. A , B.Arch.
Hall, J. A.
Bach, M., Dip. Eng. Arch. Berlin.
Englesmith, G., B.Arch. Liv.

Special Lecturer
Elte, H., Dip. Tech. Inst. Utrecht (Eng.).
4 Instrs.

Medicine

(for subjects of the 2 pre-medical yrs., v. *supra*)

MacFarlane, J. A., O.B.E., B.A., LL.D. Sask., M.B., F.R.C S. Eng , Edin. and Can. Dean.

Anatomy, v. also Biol.
Grant, J. C. B., M.C., M.B., Ch.B., F.R.C.S.Ed. Hd. of Dept. and Prof.
Watt, J. C., M.A , M.D. Prof
Cates, H. A , M B. Prof.
Ham, A. W., M.B. Prof.
George, R. K., B.A., M.B., D.P.H. Asst. Prof.
Smith, C G., B.A., M.Sc. W. Ont., M D., Ph.D. Assoc. Prof.
Bensley, Mrs. Silvia H., B.A. Mt. Holyoke, M.D. Chic. Assoc. Prof.
McMurrich, Kathleen I. Lectr.
Basmajian, J. V., M.D. Lectr.
Muller, T., M.B., Ch.B. Cape T. Sp. Lectr.
13 Demrs., 1 Sr. Demr.

Bacteriology, v. Pathology

Biochemistry
Wasteneys, H., Ph.D. Col., F.R.S.C. Hd. of Dept. and Prof.
Wynne, A. M., M.A. Qu., Ph.D., F.R.S.C. Prof.
Butler, G. C., B.A., Ph.D. Assoc. Prof.
Crocker, B. F., M.A., Ph.D. Asst. Prof.
Fisher, Mrs. Jeanne M., M.A., Ph.D. Asst. Prof.
6 Fellows.

Gynæcology, v. Obstetrics

Humanities in Medicine
Van Wyck, H. B., B.A., M.B., F.R.C.O.G., F.R.C.S.Can. Sp. Lectr.
Wasteneys, H., Ph.D. Col., F.R.S.C. Sp. Lectr.

Hygiene and Preventive Med., v. also *infra*, Schl. 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. Assoc. Prof.
Wilson, R. J., M.A. Br. Col., M.D., D.P.H. Asst. Prof.
Goulding, A. M., M.D. Harv., B.A., D.P.H. Lectr.
1 Associate, 2 Fellows, 1 Research Fellow.

Medical Jurisprudence

Special Lecturers
Gray, K. G., K.C., M.D., B.Sc. (Med.).
Lawson, S. A., M.B.
Robinson, W. L., B.A. McM., M.B., F.R.C.P.Can.

Medical Research (*Banting–Best Med. Res.*)
Best, C. H., C.B.E., D.Sc. Lond., Oxon., Paris and Chic., Sc.D. Camb., M.D. Amsterdam, Louvain, Liège and Tor., LL.D. Dal., M.A., F.R.S., F.R.S.C., F.R.C.P.Can. Director and Prof.
Franks, W. R., O.B.E., M.A., M.B. Prof.
Lucas, C. C., M.A.Sc. Br. Col., Ph.D. Prof.

Radiology

Singleton, A. C., M.D., F.F.R. Assoc. Prof.
Hall, M. M. R., M.D. Asst. Prof.
Ash, C. L., M.D. Asst. Prof.
5 Associates, 3 Clinical Teachers.

Surgery

Janes, R. M., M.B., F.R.C.S Can., F.A.C.S. Hd. of Dept. and Prof.

Associate Professors

Harris, R. I., M.C., M.B., F.R.C.S. Eng. and Can.
Laird, R. C., B.A. Qu., M.D., M.S., F.R.C.S Can. and Eng.
Le Mesurier, A. B., M.B., F.R.C.S. Can.
Lewis, F. I., M.B., F.R.C.S. Edin. and Can.
McKenzie, K. G., M.B., F.R.C.S. Can.
Welsh, W. K., O.B.E., M.B., F.R.C.S. Eng. and Can.
Wookey, H. W., 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.

Assistant Professors

Botterell, E. H., O.B.E., M.D. Manit., M.S., F.R.C.S.Can.
Harris, C. W., B.A., M.B., F.R.C.S. Eng. and Can.
Ross, J. W., M.D.
Gordon, S. D., M.B., M.S., F.R.C.S.Can., F.A.C.S.
Kergin, F. G., M.A. Oxon., M.D., M.S., F.R.C.S.
Mitchell, D. R., B.A., M.B., M.S., F.R.C.S. Eng. and Can.
14 Associates, 16 Clinical Teachers, 10 Fellows, 3 Research Fellows, 5 Resident Fellows, 1 Asst.

Therapeutics

Kerr, R. B., O.B.E., M.A., M D., F.R.C.P.Can. Hd. of Dept. and Asst. Prof.
1 Associate, 17 Clinical Teachers, 10 Assts., 1 Research Fellow.

Art as Applied to Medicine

Wishart, Maria T. Dir. and Asst. Prof.
1 Fellow, 2 Instrs.

Occupational and Physical Therapy

Zinovieff, A. Dir.

Dentistry

Clinical Dentistry

Hunter, H. A., D.D.S. Assoc. Prof. and Asst. Director of Clinics.
Hoskin, H. A., D.D S. Assoc. Prof.

Crown and Bridge Prosthesis

Ante, I. H., D.D S. Prof.

Dental Anatomy

Ham, A. W., M.B. Prof.
Jackson, W. J. S., D.D.S. Assoc Prof

Dental Bibliography

Johnson, J. H., D.D S. Librarian.

Dental Pathology and Bacteriology

Cameron, G. C., M.D., F.R.C.P. Can. Prof.
MacDonald, J. B., M.S. Ill., D.D.S. Asst. Prof.

Dental Praxis

Secord, W. E., A.B. Chic. Lectr.

Dental Public Health

Mitton, G. T., D.D.S., D.D.P.H. Assoc. Prof.

Dental Surgery and Anæsthesia

Johnson, J. H., D.D S. Prof.
Tanner, D. M., M.B.E., D.D.S., B.Sc. (Dent.) Assoc. Prof.
Gray, Jessie C., M.D., M.S., F.R.C.S.Can. Assoc. Prof.

Wookey, H. W., M.B., F.R.C.S. Eng. and Can. Sp. Lectr.
Gordon, S. D., M.B., M.S., F.R C.S.Can., F.A C.S. Sp. Lectr.
Ireland, P. E , M.D Sp. Lectr.

Dental Technology and Metallurgy

Cowling, T., M.A. McM., D.D.S , B.Pæd. Asst. Dean and Prof.

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. Dean and Prof.
Anderson, P. G., D.D.S. Prof.
Sheldon, J. M., D.D.S. Assoc. Prof.
Hare, G. C., D.D.S. Asst. Prof.

Orthodontics

Moyers, R. E , B S , D.D.S., M.S., Ph D. Iowa State 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

MacGregor, S. A., D.D.S. Asst. Prof.

Periodontology

Box, H. K., D.D S., Ph.D. Research Prof.
Williams, C. H. M., D.D.S., B.Sc. (Dent.) Assoc. Prof. (Pt.-time).

Preventive Dentistry

Cox, M. A., M.B. Prof.
Kreutzer, J., D.D.S., B.Sc. (Dent.) Prof.

Prosthodontia

Godfrey, R. J., D.D.S., M.Sc. (Dent.) Prof.
Cole, F. L., D.D.S. Assoc. Prof.
Woollatt, R. S., D.D.S. Assoc. Prof.
Downton, E. P., D.D.S. Asst. Prof.

Radiography

Yule, O. J., B.D.S. N.Z., D.D.S. Asst Prof.
Worth, H. M., L.D.S., F.F.R. Lectr.

35 Assocs., 1 Asst., 24 Demrs.

School of Hygiene

Defries, R. D., C.B.E., M.D., D.P H. (Hyg. and Public Health Admin.) Director and Prof.
Brown, M. H., O.B.E., M.D., B.Sc. (Med.), D.P.H. Director of Field Training.
Van Rooyen, C. E., M.D., Ch.B., D.Sc. Edin. (Virus Infections) Prof.
Parker, R. C., B.A. Acad., Ph.D. Yale (Experim. Cytol.) Assoc. Prof.
Rhodes, A. J., M.D., F.R.C.P. Edin. (Virus Infections) Assoc. Prof.
Moloney, P. J., O.B.E., M.A., Ph.D., F.R.S.C. (Chem. in relation to Hyg.) Hd. of Dept. and Prof.
McKinnon, N. E., M.B. (Epidemiol. and Biometrics) Hd. of Dept. and 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) Secy. of School and Prof.
McHenry, E. W., M.A., Ph.D., F.R.S.C. (Public Health Nutrition) Hd. of Dept. and Prof.
McGanity, W. J., M.D. Lectr.

MacFarland, H. N., M.A., Ph.D. Lectr.
Partridge, Mrs. Ruth C., M.A., Ph.D. Lectr.
Solandt, D. Y., Ph.D. Lond., D.P.H., M A., M.D., 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 Eng.) Assoc. Prof.
Bradley, L. O., M.D. Alta (Hosp. Admin) Assoc. Prof
Hatcher, G. H., B.A., M.D. McG., D.P.H. 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.
Sprent, J. F. A., B.Sc., Ph.D. Lond. (Parasitol.) Asst. Prof.
Mosley, W., M.D., C.M. McG., D P.H. (Public Health Admin.) Assoc. Prof.
Goodwin, J. E., B.A.Sc , Ph.D. (Physiol. Hyg.) Asst. Prof.
Taylor, Edith M., O.B.E , M.A., Ph.D. Asst. Prof.

Special Lecturers

Brink, G. C., M.B.
Brown, W. G., M.D., D.P.H.
Barton, E. L., M.D. West.
Cryderman, Eileen, B.Sc. Col.
Edge, G. A., D.V.M., D.V.P.H.
MacNabb, A. L., D.V.M., D.V.Sc.
Sellers, A. H., B.A., M.D., D.P.H.
Smith, D. C., M.D., C.M. Qu., B.Sc.(Med.), D.P.H.
Struthers, R. G., M.D., D.P.H.
1 Associate, 1 Fellow, 1 Demr., 11 Research Fellows, 1 Sr. Fellow, 3 Assts.

Connaught Medical Research Laboratories

Defries, R. D., C.B.E., M.D., D.P.H. Director.
Fraser, D. T., M.C., B.A., M.B., D.P.H., F.R.S.C. Assoc. Director.
Hutchison, F. L., M A. Asst. Director.
MacLean, D. L., O.B.E., M.B., B.Sc. (Med.), D.P.H. Asst. Director.
Moloney, P. J., O.B.E., M.A., Ph.D., F.R.S.C. Asst. Director
Orr, M. D., O.B.E., B.A. Asst. Director.
Allen, K. E., B.A. Comptroller.
Boyd, I. W., M Sc. Qu. Superintendent.
5 Research Members, 18 Research Assocs., 10 Research Assts., 1 Clinical Assoc., 1 Asst., 1 Vet , 1 Assoc. Vet.

Music

MacMillan, Sir Ernest, D.Mus. Oxon., LL.D. Br. Col. and Qu., Mus Doc. Laval, D.Litt McM., B.A. Dean.
Smith, L., Mus.B. Manc. Prof.
Willan, H., Mus.Doc., F.R.C.O. Prof.
Johnston, A. R., B.Mus. Northwestern, M.Mus. Rochester (School Music) Asst. Prof.
Rosevear, R. A., A.B. Cornell, M.Mus. Rochester (School Music) Asst. Prof.
Bell, L. R., Mus.D. Montr., M.A. Asst. Prof.
Ridout, G. Sp. Lectr.
Walter, A., Jur. Utr. Dr. Prague Sp. Lectr.
5 Assts., 2 Instrs.

Nursing

Russell, Edith K., B.A., D.C.L. King's, B.Pæd. Director of School and Prof.
Emory, Florence H. M. Assoc. Director of Sch. and Assoc. Prof.

Millman, Mary B., B.A.
Asst. Prof.
Wilson, M. Jean, B.A. Sask., B.Pæd. Asst. Prof.

Lecturers

Bennett, Hilda A.
Carpenter, Helen M., B.S. Col., M.P.H. Johns Hopkins.
Duff, Dorothy K.
Howard, Ella M., B.S. in N. West. Reserve.
Masters, Margaret C.
Griffith, Miss O. F.
Tresidder, Marion I., B Sc.N.
3 Instrs., 1 Research Assoc.

Physical and Health Education

Cates, H. A , M.B.
Director of School and Prof.
Stevens, W. A., B S. Syracuse
Assoc. Prof and Director of Athletics and Phys. Educn.
Griffiths, M. G., M.P.E. Springfield, M.A. Col. Assoc. Prof.
Slack, Zerada, B.A. McG.
Asst. Prof. and Asst. Dir. Phys. Educn. Women.
Forster, Jean M., B.A. Asst. Prof.
Jackson, Dorothy N. R., M.A. New York Asst. Prof.
McCutcheon, J. E. Asst. Prof.

Lecturers

Smith, R. D. H., F.L.A.
Wilson, R. J., M.A. Br. Col., M.D., D.P.H.
McMullen, Rev. G. A., B.A.

Special Lecturers

Armour, R. G., B.A., M.B., F.R.C.P. and S. Can.
Bates, G., M.B.
Gardiner, W. J., M.B., F.R.C.P. Can.
Gossage, C. D., O.B.E., F.R.C.S. Edin., M.D.
Griffin, J. D. M., M.A., M.D., D.P.M. Eng.
Jaffary, S. K., B.Sc., M.A. Alta., Ph.D. Chic.
McHenry, E. W., M.A., Ph.D., F.R.S.C.
Owen, T., M.B., F.R.C.P. Can. and Lond.
Pequegnat, L. A., M.B., D.P.H.
Stewart, Frances H., B.A., M.D.
Ebbs, J. H., M.D. Tor. and Birm., F.R.C.P.Can.
Mitton, C.-T., D.D.S., D.D.P.H.
8 Assts., 8 Associates, 10 Instrs.

Social Work

Cassidy, H M , B A. Br. Col., Ph.D. Brookings (Soc. Welfare)
Director and Prof.
Hendry, C. E., B.A. McM., M.A. Col., M.H. Springfield Prof.
Jaffary, S. K., B Sc., M.A. Alta., Ph.D. Chic. Assoc. Prof.
Morgan, J. S., M.A. Oxon.
Assoc. Prof.
Massoth, Leona, M.A. Chic.
Assoc. Prof.
Klein, A. F., M.S. N.Y. Sch. of S.W., LL.B. Brooklyn Law Sch., B.S.S. Brooklyn Coll.
Asst. Prof.
Rose, A., M A., Ph.D. Ill., B.A.
Asst. Prof.

Lecturers

Boynton, Opal, B.A. Col.
Grotewohl, Doris.
Rhinewine, Shulameth E., M.S.W. Penn.
Teicher, M. I., B.S. N.Y., M.S.W. Penn.
Godfrey, Ray, M.A. Chic., B.A.

Special Lecturers

Griffin, J. D. M., M.A., M.D., D.P.M. Eng.
McCurdy, J. R., A.B. Clark, A.M. Col.
Hatch, M. Emily, M.S. Simmons, Ed.M. Boston.
16 Field Supervisors.

Ontario College of Education

Lewis, A. C., M.A., D.Pæd. Dean.
Phillips, C. E., B.A., D.Pæd. (Educn.) Prof.

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 Assoc. Prof.
Fowler, H. M., B.A. McG., Ed.D. Harv. Asst. Prof.
Pitt, C. C., B.A. Qu., M.A. Col., B.Pæd. Asst. Prof.
Hobday, Kathleen M., M.A. Lectr.

Educational Methods

Diltz, B. C., M.A. Qu. (Eng. and Hist.) Prof
St. John, Helen B., M.A. (Mod. Langs.) Prof. and Supervisor of Women Students.
Daniher, E. L., B.A. (Hist.) Prof.
Dean, Charlotte R, M.A. Col., B.A. (Home Econ.) Assoc. Prof.
Ratz, Ruth E., B.A. (Home Econ.) Assoc. Prof.
Parmenter, M. D., M.A. (Guidance) Dir. of Vocat. Guid. Centre and Assoc. Prof.
Croal, A. G., M.A. Qu., D.Pæd. (Sc.) Assoc. Prof.
Halbus, F. W., B.A. McM. (Phys. Educn.) Assoc. Prof.
Passmore, J. H., B.A. McM., B.P.H.E. (Phys. Educn.) Assoc. Prof.
McGuire, H. A., B.A. Qu., B.Pæd. (Elem. Subjs.) Supervisor of Practice Teaching and Assoc. Prof.
Petrie, P. A., B.A., B.Pæd. (Maths.) Assoc. Prof.
Bryans, Helen L., M.A. Col., B.A. (Phys. Educn.) Assoc. Prof.
Phillips, R. D., B.Sc. New Br. (Vocational Subjs.) Dir. of Vocat Training and Indus. Arts and Crafts and Assoc. Prof.
Haig, A. P., B.A. (Music) Asst. Prof
Taylor, B. C., M.A. (Classics) Asst Prof.

Lecturers

Dickin, Helen E., B.H.Sc.
King, H. A., B.A.Sc. (Vocational Subjs.)
McLachlan, A. T.
Spry, J. C., B.S.A.
Seggie, A P., B.A.
Apperley, G. S.
Rideout, E. B., M.A.
Luther, G. T H
McHenry, E. W., M.A , Ph D., F.R S C Sp Lectr.
Taylor, Griffith, B.A. Camb., B.E., D Sc. Syd , F.R C S Sp. Lectr.

Library Science

Barnstead, Winifred G., B.A. Dal. Director of Library School and Prof.
Bassam, Bertha, B.A. Qu., B.L.S. Pratt, M.S. Col. Assoc. Prof.
Silverthorn, Mary E., B.A. Alta., B.S. in L.S., M.A. Ill. Asst. Prof.

Lecturers

Weber, Eileen, B.A. West., B.S. Col.
Cockshutt, Margaret E., B.A., B.L S.
Daniher, Mrs. Edith A., B.A. West., B.L.S.
3 Instrs.

University Extension

Dunlop, W. J., LL.D. W. Ont., B.A. Qu., B.Pæd. Director.

Business Courses

Gilley, J. R., B.A.Sc.

Evening Classes

Sharpe, B. W., M.A.

Public Safety (Driving)
Bryce, W. A., B.A. Supervisor.

Institutional Management
Cork, S. F., B.A. Supervisor.

Courses in Radiography
Milner, Dorothy de F.

Correspondence Courses
Leavens, D. H. Supervisor.

ADMINISTRATIVE OFFICERS

Asst. to the President, C. T. Bissell, M.A., Ph D.; Director of Athletics and Physical Education (Men), W. A. Stevens, B.S.; Asst. Director of Physical Education (Women), Miss Z. Slack, B A.; Editor of the Univ. of Toronto Press, G. W. Brown, M.A., Ph.D., F.R.S.C.; Gen. Sec.-Treasurer of the Students' Admin. Council, E. A. Macdonald, B.A.; Assoc. Sec. of the Students' Admin. Council, Miss A. E. M. Parkes, B.A.; Director of Hart House Theatre, R. S. Gill, M.A.; Director of the Placement Service, J. K. Bradford, O.B.E., B.A.Sc.

COLLEGES OF THE UNIVERSITY

UNIVERSITY COLLEGE. Principal—W. R. Taylor, M.A., Ph.D., D.D., F.R.S C. Registrar—W. J McAndrew, M.A.

VICTORIA COLLEGE, in the Faculty of Arts of the Univ., v. *infra.*

TRINITY COLLEGE, in the Faculty of Arts of the Univ., v. *infra.*

ST. MICHAEL'S COLLEGE, in the Faculty of Arts of the Univ., v. *infra.*

FEDERATED UNIVERSITIES

UNIVERSITY OF TRINITY COLLEGE, *see* p. 731.

VICTORIA UNIVERSITY, *see* p. 733.

FEDERATED COLLEGES

ST. MICHAEL'S COLLEGE. Superior—Rev. L. J. Bondy, M.A., Ph.D., D. ès L. Registrar—Rev. C. J. Lavery, M.A., Ph.D. Other Teachers: the Profs., etc., marked (M.) in the directory, *supra.*

KNOX COLLEGE, WYCLIFFE COLLEGE, and EMMANUEL COLLEGE. Teachers giving instruction in Univ. courses (*Religious Knowledge*): (1) Knox—Rev. W. W. Bryden, M.A., D.D., Principal; Rev. D. K. Andrews, M.A., Ph.D.; Rev. J. S. Glen, M.A., Ph.D., B.D., Th.D.—Profs. (2) Wycliffe—Rev. Ramsay Armitage, M.A., D.D., Principal; Rev. W. R. Coleman, M.A., B.D., S.T.M.; Rev. R F. Hettlinger, M.A.; Rev. B. W. Horan, M.A., D.D.; Rev. G. H. Parke-Taylor, M.A., L.T.H.—Profs. (3) Emmanuel—Rev. A. Dawson Matheson, M.A., D.D., Dean; Rev. C. W. Leslie, M.A., B.D., Ph.D.—Prof.; Rev. C. V. McLean, M.A., B.D., Ph.D.—Assoc. Prof.; Rev. K. J. Joblin, B.A., B.D.—Asst. Prof.; Rev. Canon W. Prior, B.A., B.D.; Rev. W. O. Fennell, B.A.—Lectrs.

AFFILIATED COLLEGES

ONTARIO AGRICULTURAL COLLEGE, GUELPH. Estabd. 1874. President—W. R. Reek, B.S.A., LL.D. President Emeritus—G. I. Christie, B.S.A., D.Sc., LL.D. Registrar—A. M. Porter, B.S.A. Acting Bursar—L. Z. O'Neil.

Chairman, Cttee. on Grad. Studies—G. N. Ruhnke, M.S.A., F.C.I.C. Director of Public Relations—W. D. Tolton, B S.A. Director of Phys. Educn.—W. F. Mitchell, B.S.A. Dean of Men—J. A. Eccles, B.S.A. Dean of Women—Mrs. A. E. Barber. Chaplain—Rev. W. A. Young, B.S.A. Superintendent of Buildings—A. V. Green. Librarian—Florence G. Partridge, B.H.Sc., B.L.S. Dietitians—Katherine M. Beck, Edna M. Roberts.

The main divisions are: Agriculture and Home Economics. Courses in Agric.: Associate Diploma, 2 yrs.; B.S.A. degree, 4 yrs.; Summer School for Public and High School Teachers; also short courses. Research and investigation form an important part of the work. Facilities are also available for Graduate Work. Courses in Home Econ. at Macdonald Institute: Diploma 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.; Diploma Course Students resident in the Commonwealth, $25 p.a.; Diploma Course Students from outside the Commonwealth, $200 p.a. Laboratory, 1st and 2nd yrs. degree and diploma courses, $1.50 p.a., 3rd and 4th yrs. degree course, $5 p.a. Contingency fees, 1st and 2nd yrs. degree and diploma courses, $5 p.a., 3rd and 4th yrs. degree course, $10 p.a.

Rooms for over 1200 students, men and women, on College campus. Board and room, $9 per wk.

Staff. *Agric. Econ.*: W. M. Drummond, M.A., Prof. and Hd. of Dept.; H. K. Leckie, M.A., C. W. Riley, M.S.A., Profs.; N. H. High, B.S.A., M.S., Ph.D., M. W. Farrell, M.A., A.M., Ph.D., S. H. Lane, B.S.A., M.Sc., Assoc Profs.; A. C. Robertson, B.S.A., Asst. in Extension. *Agric. Engin.*: C. G. E. Downing, B.E., M.Sc., Prof. and Hd. of Dept.; F. L. Ferguson, B S.A., Prof.; E. G. Webb, B.S.A., J. R. Scott, B.S.A., Assoc. Profs.; H. W. Kitching, B.S.A., R. A. S. Moss, M.A. (E.Sc.), Asst. Profs.; 3 Drainage Supervisors, 6 Instrs. *Animal Husbandry*: R. G. Knox, B.S A., Prof. and Hd. of Dept.; G. E. Raithby, B.S.A., Prof. and Asst. Hd. of Dept.; A. D. Runions, B.S.A., E. C. Stillwell, B.S.A., M.S., Profs.; M. W. Staples, B.S.A., M.S., R. P. Forshaw, B.S.A., M.Sc., W. O. Kennedy, B.S.A., Assoc. Profs.; 1 Instr. *Animal Nutrition*: H. D. Branion, M.A., Ph.D., F.C.I.C., Prof. and Hd. of Dept.; D. C. Hill, M.S.A., Ph.D., I. Motzok, M.S.A., Ph.D., Profs. *Apiculture*: G. F. Townsend, M.S.A., Prof., Hd. of Dept. and Prov. Apiarist; P. W. Burke, B.S.A., Lectr. and Asst. Prov. Apiarist; M. V. Smith, B.S.A., Lectr. *Bacteriol.*: E. H. Garrard, M.S.A., Prof. and Hd. of Dept.; D. B. Shutt, B.S.A., F.A.A.A.S., L. A. McDermott, M.S.A., M. L. Wright, M.S.A., F. E. Chase, M S A. (on leave), Assoc. Profs.; J. W. Conner, M.S.A., J. A. Carpenter, M.S.A., Asst. Profs.; F. H. S. Newbould, B.S.A., J. D. Cunningham, B.S.A., Assts. in Extension; G. W. Anderson, B.S.A., M.Sc., Asst. in Res.; R. A. Johnston, M.S.A., Lectr.; 1 Instr.; 2 Res. Fellows. *Botany*: J. D. MacLachlan, B.A., A.M., Ph.D., Prof. and Hd. of Dept.; D. R. Sands, B.S.A., M.S., R. O. Bibbey, B.S.A., M.Sc., Ph.D., Profs.; W. G. Evans, B.S.A., M.S., F. H. Montgomery, M.A., A. A. Wellwood, B.A., B.Sc., Assoc. Profs.; S. A. Simmons, B.S.A., M.A., R. T. Riddell, M.A., Asst. Profs.; L. V. Busch, M.S.A., J. D. Gilpatrick, B.Sc. (Agr.), M.Sc., Lectrs. *Chemistry*: 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; L. A. Birk, B.S.A., M.S., F.C.I.C., D. MacDougall, B.A., M.Sc., Ph.D., Assoc. Profs.; D. Waghorne, B.S.A., W. H. Brown, M.A. (on leave), J. R. Rothwell, B.S.A., Asst. Profs.; S. J. Viron, M.A., Lectr.; 6 Instrs. *Dairying*: W. H. Sproule, B.S.A., Prof. and Hd. of Dept.; F. W. Hamilton, B.S.A., H. A. Smallfield, B.S.A., M.S., O. R. Irvine, M.S.A., Assoc.

Profs.; A. G. Leggatt, M.S.A., Asst. in Res.; A. M. Pearson, B.S.A., M.S., Lectr.; 1 Instr., Dairy Sch. *English*: G. E. Reaman, M.A., B.Pæd., Ph.D., Prof. and Hd. of Dept.; E. C. McLean, M.A., Prof.; V. C. Lowell, B.S.A., W. Carpenter, M.A., Asst. Profs.; D. A. Riggs, B.A., M. A. King, B.A., G. L. Warlow, B.S.A, M.A., Lectrs. *Entomol. and Zool.*: A. W. Baker, B.S.A., Prof. and Hd. of Dept.; R. H. Ozburn, B.S.A., M.S., J. G. Oughton, B.A., Ph.D., Profs.; H. W. Goble, B.S.A., M.S., Prof. and Prov. Entomologist; A. G. McNally, M.A., W. E. Heming, B.S.A., Ph.D., Assoc. Profs.; W. C. Allan, B.S.A., A. J. Musgrave, M.Sc., D.I.C., Asst. Profs.; S. E. Dixon, B.A., Lectr.; 3 Instrs. *Field Husbandry*: G. P. McRostie, M.S.A., Ph.D., Prof. and Hd. of Dept.; O. M. McConkey, B.S.A., M.S., Ph.D., J. Laughland, B S.A., J. R. Weir, B.S.A., M.Sc., Ph.D., Profs.; R. Keegan, B.S.A., Assoc. Prof.; D. N. Huntley, M.S.A., Asst. Prof.; R. S. Fulkerson, B.S.A., Asst. in Res.; W. E. Tossell, M.S.A., Lectr.; W. H. Waddell, B.S.A., M.S., Chief in Res. (Winter Wheat); 4 Res. Fellows; 1 pt.-time Lectr.; 1 Inspr. *Horticulture*: J. S. Shoemaker, B.S.A., M.Sc., Ph.D., Prof. and Hd. of Dept.; T. O. Graham, B.S.A., M.S., Prof.; R. Goodwin-Wilson, B.S.A., Assoc. Prof.; T. H. Jones, B.S.A., E. W. Franklin, M.S.A., Asst. Profs.; J. C. Taylor, C. C. Filman, B.S A, M.Sc., B. J. E. Teskey, B.S.A., Lectrs.; H. W. Bailey, B.S.A., Asst. in Res.; I. C. Marritt, B.Sc.F., (Forestry) Lectr.; G. H. Dickson, B.S.A., (Pomol.) Lectr.; J. H. L. Truscott, M.Sc., Ph.D., Graduate Studies; 2 Instrs. *Physics*: R. C. Moffatt, M.A., Prof. and Hd. of Dept.; E. B. MacNaughton, M A., Ph.D., J. G. F. Morton, B.Sc., B.Eng., Assoc. Profs.; P. F. Clarke, B.A.Sc., Asst. Prof.; J. G. Smith, B.S.A., Lectr.; 1 Instr. *Poultry*: J. R. Cavers, B.S.A., M.S., Prof. and Hd. of Dept.; E. S. Snyder, B.S.A, M.S., J. F. Francis, B.S.A., S. J. Slinger, M.S.A., Profs.; J. E. Bergey, B S.A., J. H. Pettit, M.S.A., F. N. Jerome, M.S.A., Assoc. Profs.; C. M. Huntsman, B.S.A, Asst. Prof.; A. E. Ferguson, B.S.A. (on leave), A. M. Morphet, B.S.A., K. M. Gartley, B.S.A., Assts. in Res.; C. C. Duncan, B.S.A., J. D. McConachie, B.S.A., J. P. Walker, B.S.A., W. F. Pepper, B.S.A., W. L. Anderson, B.S.A., Assts. in Extension; 1 Instr. *Soils*: F. A. Stinson, M.S.A., Ph.D., Prof. and Hd. of Dept.; F. F. Morwick, M.S.A., F.C.I.C., Assoc. Prof.; N. J. Thomas, B.S.A., M.Sc., R. J. Bryden, B.S.A., W. T. Ewen, M.S.A., Assocs. in Extension; T. J. Heeg, M.S.A., F.C.I.C., Assoc. in Res.; A. L. Willis, B.S.A., M.S., Ph.D., Asst. Prof.; L. R. Webber, B.S.A., M.S., J. W. Ketcheson, B.S.A. (on leave), A. G. Caldwell, M.S.A. (on leave), R. R. Bruce, B.S.A. (on leave), G. Baker, B.S.A., Soil Specialists; J. A. Shivas, M.S.A., Asst. in Res.; B. C. Matthews, B.S.A., A.M., Lectr.; 3 Res. Fellows; 1 Sr. Pedologist; 3 Jr. Pedologists.

Home Economics: Margaret S. McCready, B.A., Ph.D., Dir. of the Division; Jessie M. Lambden, B.A., M.S., Edyth L. Bray, B.H.Sc., M.S., Louisa E. Brill, B.A., Asst. Profs.; Evelyn B. Stevenson, B.Sc., E. Jean Vance, B.A., Lectrs.; 1 Instr.

STUDENTS. (1945–50) Total: 2334. Degree courses in Agric., 567; Degree courses in Home Economics, 56; Diploma courses in Agric., 119; Diploma courses in Home Economics, 71; Short courses in Agric., 1521.

ONTARIO COLLEGE OF PHARMACY, TORONTO. (For Phm.B. and B.Sc.Phm. degrees.) Dean—R. O. Hurst, Phm.B. Registrar-Treasurer—H. M. Corbett, Phm.B.

STAFF. *Pharm.*: Prof. R. O. Hurst, Phm.B.; G. L. Walker, B.Sc.(Pharm.) Alta., M.S. Purdue, Asst. Prof.; J. R. Patterson, B.Sc.Phm., M.Sc. Sask., Phm.B., W. J. Maxted, B.S.P. Sask., Phm.B., Lectrs. *Materia-Medica and Pharmaceutical Chem.*: Prof. F. N. Hughes, Phm.B. B.S. in Pharm., M.A.;

M. R. Baxter, B.S.P. Sask., M.S. Florida, Phm.B., Asst. Prof. ; D. H. Murray, B.S.P., M.S. Sask., Phm.B., Lectr.

STUDENTS. The total number of registered students was 350.

ONTARIO VETERINARY COLLEGE, GUELPH. (For D.V.M. degree.) Principal—A. L. MacNabb, D.V.M., D.V.Sc. ; Registrar and Hd. of Dept. of Small Animals—F. J. Cote, D.V.M.

STAFF. Dept. of Anatomy—V. R. Brown, D.V.M., Prof., Hd ; J. H. Ballantyne, D.V.M., Prof. *Histology and Embryology* : J. P. W. Gilman, B.V.Sc., Assoc. Prof. ; B. J. McSherry, D.V.M , Asst. Prof. Dept. of Preventive Medicine and Hygiene—A. F. Bain, D.V.M., Prof., Hd. ; D. A. Barnum, D.V.M., D.V.P H., Assoc. Prof. ; N. A. Fish, D.V.M., D.V.P.H., Assoc. Prof ; C. G. Wills, D.V M., Asst. Prof. ; K. A. McKay, B.A., Asst. in Research ; 3 Pt.-time Lecturers, 1 Demr. Dept. of Medicine—*Diseases of Ruminants and Swine* : R. A. McIntosh, B.V.Sc., M.D.V., Prof., Hd. ; J. A Henderson, B.V.Sc., M.S., Prof. ; C. A. V. Barker, D.V.M., M Sc., D.V.Sc., Prof. *Pharmacology* : R. A. McIntosh, B.V.Sc., M.D.V. ; 1 Pt.-time Lecturer. Dept. of Surgery—W. J. R. Fowler, B.V.Sc., D.V.M., Chev. de Mér. Agricole de France, Prof. ; G. Cairns, D.V.M , Prof. ; E. F. Pallister, D.V.M., Assoc. Prof. Dept. of Furbearing and Small Domestic Animals—F. J. Cote, D.V.M., Prof., Hd. of Dept. ; W. J. Rumney, D.V.M., Prof. ; A. H. Kennedy, B.S.A., D.V.M , D.V.Sc., Assoc. Prof. ; J Archibald, D.V.M., Assoc. Prof. ; 1 Pt.-time Lectr Dept. of Pathology—F. W. Schofield, D.V.Sc., Prof., Hd ; D. L. T. Smith, D.V.M., Prof. ; T. L. Jones, B.V.Sc., M.S., Prof. ; J. D. Schroder, D.V.M., Assoc. Prof. *Poultry Pathology* : J. S. Glover, D.V.M , Prof. ; W. R. Dunlop, D.V.M., Lectr. Dept. of Physiology and Clinical Chemistry—H. T. Batt, M.S., D.V.Sc., Ph.D., Cert. de l'Éc. Vét. d'Alfort (France), Prof., Hd. ; H. G. Downie, D.V.M., Assoc. Prof. Dept. of Parasitology—A. A. Kingscote, D.V.Sc., Prof., Hd. ; J. K. McGregor, D.V.M., Assoc. Prof. ; B. M. McCraw, M.A., Asst. Prof. Jurisprudence—1 Pt.-time Lectr. Radiology—1 Pt.-time Lectr. Chemistry (taught by the Faculty of the Ontario Agricultural College) —D. Waghorne, B.S.A., Asst. Prof. ; W. H. Brown, M.A., Asst. Prof. ; 1 Instr. Husbandries (taught by the Faculty of the Ontario Agricultural College)—*Animal Husbandry* : G. E. Raithby, B.S.A., Prof. and Asst. Hd. ; R. P. Forshaw, B.S.A., M.Sc., Assoc. Prof., 1 Instr. *Poultry Husbandry* : K. M. Gartley, B.S A., Asst. in Research. *Physics* (taught by the Faculty of the Ontario Agricultural College)—E. B. MacNaughton, M.A., Ph.D., Assoc. Prof. ; J. G. F. Morton, B.Sc., B.Eng., Assoc. Prof. ; J. G. Smith, B.S.A., Lectr. Nutrition (taught by the Faculty of the Ontario Agricultural College) —H. D. Branion, M.A., Ph.D., F.C.I.C., Prof., Hd. English (taught by the Faculty of the Ontario Agricultural College)—G. E. Reaman, M.A., B.Pæd., Ph.D., Prof., Hd. ; E. C. McLean, M.A., Prof. ; W. Carpenter, M.A., Assoc. Prof. ; D. A. Riggs, B.A., Lectr. ; G. L. Warlow, B.S.A., M.A., Lectr. Dept. of Entomology and Zoology (taught by the Faculty of the Ontario Agricultural College)—A. G. McNally, B.A., M.A., Assoc. Prof. Dept. of Extension and Research—A. L. MacNabb, D.V.M., D.V.Sc. *Diagnostic Lab.—Bovine Brucellosis and Mastitis* : W. R. LeGrow, B.S.A., D.V.M., M.S., Ph.D., Prof. *Clinical Chemistry* : A. G. Stewart, M.A., Asst. in Research. *Hæmatology* : R. J. Humble, B.A., Asst. in Res. *Poultry Diseases* : J. S. Glover, D.V.M. *Swine and Sheep Diseases* : R. A. McIntosh, B.V.Sc., M.D.V. ; T. L. Jones, B.V.Sc., M.S. *Mastitis* : F. W. Schofield, D.V.Sc. ; D. A. Barnum, D.V.M., D.V.P.H. *Animal Reproduction* : R. A. McIntosh, B.V.Sc., M.D.V. ; J. A. Henderson, B.V.Sc., M.S. *Consultation Services—Artificial Insemination* : J. A. Henderson, B.V.Sc., M.S. ; C. A. V. Barker, D.V.M., M.Sc., D.V.Sc.

Diseases of Furbearing Animals: A. H. Kennedy, B.S.A., D.V.M., D.V.Sc. *Veterinarian for the Ontario Agricultural College*: J. A. Henderson, B.V.Sc., M.S.; *Veterinarian for the Ontario Reformatory Farms*: J. W. MacPherson, D.V.M., Asst. in Extension. *Kemptville Agricultural School*: J. Gallagher, D.V.M., Regional Vet. Officer.

ONTARIO COLLEGE OF ART. Principal—F. S. Haines.

ROYAL COLLEGE OF DENTAL SURGEONS OF ONTARIO.

GENERAL INFORMATION

An appropriation of 500,000 acres of land for the support of 4 grammar schools and a Univ. in Upper Canada was made in 1798, and a Royal Charter was granted in 1827 for a "King's College" with the privileges of a Univ., but it was not until 1843 that the College was inaugurated. For early history, *see Yearbook*, 1929.

LIBRARY, 505,577 vols. and 158,542 pamphlets. The (Science) Library of the Roy. Can. Inst. is housed in the same building. The Library has also acquired by gift the papers of the Hon. Edward Blake, who was Chancellor of the Univ. from 1881 to 1900. These papers had for some years been placed in the Library for safe keeping by the late Prof. George M. Wrong, Edward Blake's literary executor; but they have now been turned over to the Library, and will be made available to students. Together with the papers of Colonel and Mrs. John Graves Simcoe, which were presented to the Library by Mr. R. S. McLaughlin, and the papers of William Lyon Mackenzie and Charles Lindsey, and those of Sir Edmund Walker, which have been placed in the Library for safe keeping, the Univ. has now with these papers the beginnings of an archives dept.

MUSEUMS. The Royal Ontario Museum—Archæology (including the Chinese Collection, which illustrates the entire range of Chinese art and archæology; an extensive Chinese library provides access to the literature of China for the study of these subjects); Geology and Mineralogy (including exhibits of Canadian metals from the gold and silver mines, gems and ornamental stones, marbles, radium, and exhibits of Canadian minerals); Palæontology (including many specimens of dinosaurs from Alberta, and thirty murals depicting the development of the earth through the various geological periods), Zoology (including exhibits of Canadian animals).

LABORATORIES: in all the Science depts. BANTING INSTITUTE with depts. of Path., Bact., Neuro-pathol., Med., Surg., Patholog. Chem. for teaching, clinical investigation and research work. CONNAUGHT MEDICAL RESEARCH LABORATORIES provide facilities for research in preventive medicine and in related fields and for production of and supply of sera, vaccines, hormones 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), 1373 beds; Children's, 432; St. Michael's (Roman Catholic), 628; Western (General), 515; Psychiatric, 72; Isolation, 300.

FACULTIES. Arts, *Dean*—S. Beatty, M.A., Ph.D., F.R.S.C.; Medicine, *Dean*—J. A. MacFarlane, O.B.E., B.A., M.B., LL.D., F.R.C.S.; Applied Science and Engineering, *Dean*—K. F. Tupper, O.B.E., B.A.Sc., S.M.; 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.F., M.F.; Music, *Dean*—Sir Ernest MacMillan, B.A., Mus. Doc., LL.D., D.Litt.; Dentistry, *Dean*—R. G. Ellis, D.D.S., M.Sc. (Dent.), F.D.S.R.C.S. SCHOOLS: Graduate Studies, *Dean*—H. A. Innis, M.A., Ph.D., LL.D., D.Sc.Ec., F.R.S.C.; Law, *Dean*—C. A. Wright, K.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.*—H. A. Cates, M.B.; Social Work, *Dir.*—H. M. Cassidy, B.A., Ph.D.; Nursing, *Dir.*—Edith K. Russell, B.A., B.Pæd., D.C.L.; Hygiene, *Dir.*—R. D. Defries, C.B.E., M.D., D.P.H.; Library, *Dir.*—Winifred G. Barnstead, B.A. INSTITUTES: Child Study, *Dir.*—W. E. Blatz, M.A, M.B., Ph.D.; Industrial Relations, *Dir.*—V. W. Bladen, M.A., F.R.S.C; Department of University Extension, *Dir.*—W. J. Dunlop, B.A, B.Pæd., LL.D.

SECRETARIES OF FACULTIES AND SCHOOLS. (Arts) A. T. Laidlaw, B.A.; (Med.) Mary L. Cassidy, B.A.; (Applied Sci. and Engin.) W. S. Wilson, B.A.Sc.; (Household Sci.) M. Doreen Smith, M.A., Ph.D.; (Educn.) Lyda Swinarton; (Forestry) Grace McAree; (Music) Jean E. Woods, B.A.; (School of Graduate Studies) J. H. Sword, B.A.; (Dentistry) C. C. Rous, B.A.Sc.; (Law) F. E. LaBrie, B.A., LL.M.; (Archit.) S. R. Kent, B.Arch.; (Physical and Health Educn.) Charlotte H. Layton, B.A.; (Soc. Work) Edna B. Bambridge; (Nursing) Dora K. Duff; (Hygiene) D. L. MacLean, O.B.E., M.B., B.Sc.(Med.), D.P.H.; (Child Study) Mary R. McKeown, B.A.; (Industrial Relations) Dorothy N. Hay, B.A.

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 Secy. 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 (*a*) the Secondary School Graduation Diploma in the General Course covering English, History, and four optional subjects, and (*b*) Grade XIII certificate covering English and four optional subjects. The Secondary School Graduation Diploma is usually taken at the end of a 4-yr. Secondary School course and the Grade XIII certificate at the end of the fifth year of this 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. Music is accepted as one of the four options in (*a*) and as one of the three options in (*b*).

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.

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., 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. and D.V.M.; 5 yrs.—B.Arch., D.D.S., B.Sc.N.; 6 yrs.—M.D.

Students from the British Isles may apply for admission to Applied Sci. on submitting the Oxford and Cambridge Joint Board School Certificate, or equivalent, indicating "Credit" or better standing in English Lang. and Lit., "Advanced" or "Additional" Maths., Physics, Chem. (not General Sci.) and a foreign lang.

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.

The M.Com., obtainable by approved course of graduate study extending over 1 to 2 yrs.

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.

The 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.

The 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.

The 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.

The F.E. may similarly be obtained by one who holds the degree of B.Sc.F.

The 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.

The B.Pæd. 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.

The D.Pæd. is open to graduates in Arts, Science, Agric., Engin., or Comm., of any British Univ. who hold the B.Pæd. 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 or a summer course.

B.L.S. (Bachelor of Library Science), 1-yr. course open only to Univ. graduates.

M.L.S., 1-yr. course open to holders of B.L.S.

LL.B., 3-yr. course open to holders of approved undergraduate degree, or alternatively to candidates with 2 yrs. approved Univ. work.

B.S.W. (Bachelor of Social Work), 1-yr. course open only to Univ. graduates.

M.S.W. (Master of Social Work) is open to grads. who have obtained the B.S.W. degree or its equivalent.

The M.S.A. is open to grads. who have obtained the B.S.A. degree or its equivalent.

The 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.

The 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.

The Mus.Doc. is open to a Mus.Bac. of this or another Univ. of 1 yr.'s standing.

The 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. Courses are provided for Teachers' certificates of several grades, including the Household Science and the Physical Training Teachers'. The Educn. Dept. of Ontario grants certificates on the completion of the prescribed courses, entitling the holders to teach in the High Schools. All teachers for High Schools and Collegiate Institutes must spend at least 1 yr. in the College of Education.

FEES. Students proceeding to the B A. and enrolled in one of the Colleges of the Univ. attend lectures of Univ. Profs. and Lectrs in the Fac. of Arts without payment of fees except for library, lab. supplies, examns. and certain other incidentals. The College Fees, which entitle students to attend degree courses in their respective Colleges, are $180 p.a.; B.Com., $210 p.a. Medical students pay for tuition, library, lab. supply, hospital and annual examn., 1st and 2nd pre-medical yrs., $200 p.a., 1st, 2nd, 3rd and 4th medical yrs., $400 p.a., Applied Sc. and Engin., $300 p.a.; Household Sci., $180 p.a.; Library School, $125 p.a.; Ontario Coll. of Education, $125 p.a.; Forestry, $225 p.a.; Music, General, $152 p.a., School, $210 p.a.; Dentistry, pre-dental yr., $240 p.a., 1st, 2nd, 3rd and 4th dental yrs., $325; Architecture, $300 p.a.; Social Work, $255 p.a.; Nursing, $155; Diploma Fees: Certificate courses in the Coll of Educn., $50 p.a.; Dip. Public Health, $330; Dip. in Radiol., $275; Dip. in Psychiatry, $100; Dip. in Indust. Hyg., $330 p a.; Dip. Hospital Admin., $380; Dip. Dental Public Health, $270 p.a.; Dip. Veterinary Public Health, $175 p.a.; Cert. Public Health, $180 p.a.; Dent. Nursing, $145 p.a.; Occupational Therapy, $210 p.a.; Physical Therapy, $210 p.a.; Certificate course in Institutional Management, $240.

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 Houses accommodate 200 men. The rates are $4.75 a week for a single room or half a suite; Univ. Coll. Houses, for 110 men —40 at 73 St. George St. and 70 at Holwood House, rent $4.75 a week; residence and board for women (315), at least $13 a week; Victoria Coll. Halls

for 208 men and 250 women; Trinity Coll. provides for 135 men and 95 women; St. Michael's (R.C.) has also residences for men and women.

HART HOUSE, the gift of the Massey Foundation in memory of Mr. Hart Massey, affords all the facilities of a first-rate club for men undergrads. It includes many halls and rooms, providing for all the activities in the undergrads.' life other than work in the lecture room. The Students' Admin. Council and the Students' Christian Movement have their headquarters in the House; it also contains a wing with the Athletic Assoc. offices, gymnasium, swimming-pool, etc., where formal physical training is carried on, as well as other athletic activities. Annual fee, $12.

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) Classes are held in the evenings and on Saturdays, for teachers and other adults proceeding to the B.A. degree. (2) Summer Session in Arts and Pedagogy for teachers. (3) Evening classes offering continuous courses in a hundred subjects, without Univ. credit. (4) Two-yr. Certificate course in Institutional Management. (5) Courses in Public Safety (Safe Driving). (6) Extension lectures throughout the Province. (7) Short refresher courses in fire-fighting, recreation. (8) Correspondence courses in commercial subjects for business people and for teachers. (9) Evening courses for graduate engineers.

PUBLICATIONS. *President's Annual Report*; *Board of Governors' Report*; *Calendars*, April–May; *Bulletins of the Dept. of University Extension*; *Medical Bulletin*; *Varsity Graduate*; *Alumni Bulletin*; *Can. Journal of Psychology*; *Can. Journal of Mathematics*; *Univ. of Toronto Quarterly*; *Can. Historical Review*; *Can. Journal of Econs. and Polit. Sc.*; *Univ. of Toronto Law Journal*; *Univ. Studies*; Students' Mags.—*'Varsity*, *Torontonensis*.

THE YEAR 1948–49

BENEFACTIONS. Total, $1,011,542.29. National Research Council, Res. Grants, $113,601.90. Ontario Cancer Treatment and Res. Foundation, $106,894. Estate of the late A. J. Mitchell—Dr. John P. Mitchell Trust, $101,934.25. Dr. Helen L. Vanderveer Estate, $75,000. Defence Research Board, Res. Grants, $70,070. Rockefeller Foundation, $35,535.39. National Cancer Inst. of Canada, $40,577.41. Res. Council of Ont., $35,000. Thomas Foster Estate, $30,000. Prov. of Ont.—Sch. of Nursing Bldg. Fund, Sch. of Hygiene, V.D. Res., $25,000. Inst. of Industrial Relations, $12,780. MacKenzie King Scholp. Fund, $12,500. W. K. Kellogg Foundation—Course in Hospital Admin., $12,412.50. Nutrition Foundation Incorporated Res. Fund, $11,450. Hydro-Electric Power Commission of Ont., Grant for River Flow Lab., $10,338. Mrs. W. E. Corlett, William Edward Corlett Memorial Scholp., Med., $10,000. John Labatt Ltd., $8737.80. Imperial Oil Ltd., $7500. Many other benefactions of $7000 or less.

NEW BUILDINGS. Governmental grants, a grant from the City of Toronto of $2,000,000, gifts and pledges from corporate and individual donors, and accumulated funds ear-marked for specific bldg. projects, total an amount in excess of $16,000,000. This has provided and will provide the funds for the Univ.'s bldg. programme, inaugurated in 1947. The Wallberg Memorial Bldg. (Chem.), the Burton Wing of the McLennan Physics Lab., the extension to the Mechanical Engin. Bldg. and the War Memorial to those who fell in World

War II have now been completed under this programme. An extension to the bldg. of the Ont. Coll. of Educn. and the Archives and Sigmund Samuel Canadiana Bldg. have been begun.

NEW DEPARTMENTS. The Dept. of Slavic Studies has been established with a grant of $90,000 from the Rockefeller Foundation.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. S. H. Thomson, Colorado, "Thomas G. Masaryk." Dr. W. Walters, Mayo Foundation, "Twenty-five Years of Biliary Tract Surgery." Prof. J. Beattie, Royal College of Surgeons, "Metabolic Disintegrations." Dr. C. A. Bauer, Michigan, "The Composition of Meteorites and Their Relation to the Planetary System." Dr. J. Hudnut, Harvard, "Le Corbusier and Modern Architecture." Prof. G. Reavey, Columbia, "The Russian Pattern of Thought." Prof. C. A. Truesdell, Maryland, "Unified Theory of Special Functions; Kinematics of Vorticity; A New Definition of a Fluid." Dr. E. M. W. Tillyard, Cambridge, "Shakespeare's Problem Plays."

RETIREMENTS. Assoc. Prof. R. G. Armour (Med.); Assoc. Prof. H. K. Detweiler (Med.); A. B. Fennell (Registrar of Univ.); Dean W. P. M. Kennedy (Law); Assoc. Prof. J. C. McClelland (Surg.); Prof. E. S. Moore (Geological Scis.); Prof. E. S. Ryerson (Dir., Physical and Health Educn.); Dean C. R. Young (Applied Sci. and Engin.).

RESIGNATIONS. Asst. Prof. L. R. Bell (Ont. Coll. of Educn.); Assoc. Prof. A. A. Brant (Geophysics); Prof. R. Brauer (Maths.); Asst. Prof. F. H. Buck (Polit. Econ.); Prof. G. P. Glazebrook (History); Asst. Prof. J. H. Hodgson (Physics); Asst. Prof. A. D. Misener (Physics); Asst. Prof. R. A. Preston (History); Asst. Prof. A. E. Schild (Maths.); Asst. Prof. E. M. Shaver (Public Health Nutrition); Assoc. Prof. H. G. Smith (Physics); Asst. Prof. F. A. Somers (Physical and Health Educn.); Asst. Prof. M. H. Thompson (Philos.).

DEATHS. Prof. E. F. Burton (Physics); Assoc. Prof. W. S. Funnell (Chem.); Assoc. Prof. G. E. Holt (German); Prof. Emer. J. G. Hume (Philos.); Prof. H. R. MacCallum (Philos.); Prof. G. E. Richards (Radiol.); Assoc. Prof. F. F. Tisdall (Pædiatrics); Prof. Emer. G. M. Wrong (History).

HONORARY DEGREES. *LL.D.*—Very Rev. J. Lowe; H. R. Raikes; Hon. O. S. Tyndale; A. R. Ford; W. E. Gallie. *D.Sc.*—M. L. E. Oliphant; O. Maass.

STUDENTS. Total: 16,635; full-time: 15,342; pt.-time: 1293; the total includes 4064 women and 1363 postgraduates.

DEGREES. B.A., 1691; M.A., 273; LL.B., 19; B.A.Sc., 1046; M.A.Sc., 40; C.E., 2; M.D., 158; B.Sc. (Med.), 11; M.S., 4; Ph.D., 59; B.Comm., 181; M.Comm., 10; B.Pæd., 42; D.Pæd., 2; B.Sc.F., 84; M.Sc.F., 1; Mus.Bac., 31; Mus.Doc., 3; D.D.S., 73; M.Sc. (Dent.), 1; B.S.A., 256; M.S.A., 21; B.S.W., 90; M.S.W., 22; B.Arch., 16; B.H.Sc., 3; B.L.S., 48; B.P.H.E., 94; B.Sc.N., 14; Phm.B., 129; D.V.M., 123.

DIPLOMAS AND CERTIFICATES. Art as applied to Medicine, 2; Business, 9; Child Study, 14; Chinese Studies, 1; Clinical Supervision, 25; Dental Nursing, 25; Dental Public Health, 5; Institutional Management, 53; Nursing, 131; Occupational Therapy, 98; Physical Therapy, 29; Psychiatry, 5; Public Health, 21; Radiology, 3; Social Work, 13; Veterinary Public Health, 5.

UNIVERSITY OF TRINITY COLLEGE
TORONTO, ONTARIO

Founded 1851

(Federated with the University of Toronto)

VICE-CHANCELLOR AND PROVOST—Rev. R. S. K. SEELEY, M.A., D.D., LL D.

REGISTRAR AND DEAN OF ARTS—Prof. R. K. HICKS, A.M.

DEAN OF WOMEN STUDENTS AND PRINCIPAL OF ST. HILDA'S COLLEGE—Mrs. M. M. KIRKWOOD, M.A., Ph.D.

DEAN OF DIVINITY—Rev. C. R. FEILDING, B.A., S.T.D.

LIBRARIAN—S. M. ADAMS, M.A.

BURSAR—ELLIOT G. STRATHY.

TEACHING STAFF

ARTS

[*See* the consolidated list under Toronto, names marked (T.).]

DIVINITY

Christian Ethics and Moral Theology

Feilding, Rev. C. R., B.A. King's, S.T.D. Prof.

Judd, Rev. W W., B.A. Tor., M A., D C L King's Hon. Lectr.

Church Music

Rollinson, E., Mus.Bac. Tor., F.R.C.O. Juliet E. Doolittle Lectr.

Ecclesiastical History

Smith, Rev. W. Lyndon, B.A. Tor. and Oxon., M.A. Tor. Assoc. Prof.

History of Missions

Dixon, Rev. Canon L. A., O.B.E., M.A. Tor., D.D. Wyc. Hon. Lectr.

Homiletics [Lectr.

Fotheringham, Ven. J. B., B.A.

Liturgics

Smith, Rev. W. Lyndon, B.A. Tor. and Oxon., M.A. Tor. Assoc. Prof.

Short, Rev. H. V. R., B.A. Tor., B.D. 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 and King's, LL.D. Qu. Lectr.

Feilding, Rev. C. R., B.A., S.T.D. Prof.

Newby, Rev. M. T., M.A. Lectr.

Old Testament, Hebrew and Septuagint Greek

Mercer, Rev. S. A. B., B.A. Harv., M.A. Wisc., D.D. Nashotah, Ph.D. Munich Emeritus Prof.

Cosgrave, Rev. F. H., M.A. Dub., D.C.L. Bishop's, LL.D. Qu., McM. Tor., D.D. Vic. Lectr.
Newby, Rev. M. T., M.A. Lectr.
de Catanzaro, Rev. C. J., B.A. King's, M.A. Dal., B.D. Lectr.

Philosophy of Religion

Owen, Rev. D R. G, B.A. Tor. and Oxon., M.A., Ph.D. Tor. Assoc. Prof.

Religious Pedagogy

Thompson, Rev. George, B.A. McG. Asst. Prof.

Systematic Theology

Fairweather, Rev. E. R., B.A. McG., M.A. Tor., Th D. Un. Th Sem., B D. Assoc Prof.
Fotheringham, Ven J B, B.A. Lectr.

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, 44,720 vols.

PUBLICATIONS. *Calendar* (May); *Trinity Univ. Review*, 6 times a year.

THE YEAR 1948–49

HONORARY DEGREES. Jan. 1948. *D.D.*—Very Rev. R. L Seaborn, Very Rev. G. B. Snell. Sept. 1948. *D.D.*—Rt. Rev. M. H. Yashiro, Lt.-Col. the Rev. C. G. Stone, Rev. W. R. R. Armitage, Rt. Rev. F. Yen-Shan-Tseng.

STUDENTS. Total: 651 (Arts, 604; Divinity, 47); full-time: 645; pt.-time: 6; the total includes 244 women and 43 postgraduates.

DEGREES. B.D., 3; L.Th., 7. Arts degrees listed under the University of Toronto.

VICTORIA UNIVERSITY
TORONTO

Incorporated 1836

(Federated with the University of Toronto)

Telegraphic Address: Vicollege, Toronto.

CHANCELLOR—A. C. SPENCER, C.B.E., B.A.Sc., LL.D.

ACTING PRESIDENT AND ACTING VICE-CHANCELLOR—H. BENNETT, B.A., Ph.D.

DEAN, VICTORIA COLLEGE—H. BENNETT, B A , Ph.D.

DEAN, EMMANUEL COLLEGE—Rev. A. D. MATHESON, M.A., D.D.

REGISTRAR—M. ST. A. WOODSIDE, M.A.

LIBRARIAN—J. D. ROBINS, M.A., Ph.D.

TEACHING STAFF

ARTS (Victoria College)

[*See* the consolidated list under Toronto, names marked (V.).]

THEOLOGY (Emmanuel College)

Church History

Cousland, Rev K H., M.C., M.A Oxon., D.D Montr. Prof.

English Bible

Joblin, Rev. K. J., B.A., B.D. Assoc. Prof.

Ethics and Philosophy of Religion

Leslie, Rev. C. W., M.A., B.D., Ph D. Assoc. Prof.

Homiletics and Pastoral Theology

Matheson, Rev. A. D., M.A., D.D. Prof.

New Testament Lit. and Exegesis

Dow, Rev. J., M.A., D.D. St. And. Prof.

Old Testament Lit. and Exegesis

MacLean, Rev. C. V., M.A., B.D., Ph.D. Assoc. Prof.

Public Speaking [Asst. Prof.

McMullen, Rev. G. A., B.A.

Religious Pedagogy

Guthrie, Rev. J. R., M.A., B.D., S.T.M., B.Ed. Lectr.

Systematic Theology and History of Doctrine [Prof.

Line, Rev. J., M.A., S.T.D., D.D.

Fennell, Rev. W. O., B.A. Lectr.

GENERAL INFORMATION

In 1928, by Act of the Legislature of the Province of Ontario, Victoria University, originally founded as the Upper Canada Academy in 1836, received an amended charter by which it continues in federation with the University 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 Colleges, Victoria College in Arts and Emmanuel College in Theology, the latter formed by the union of the Victoria University Faculty of Theology with Union Theological College. For early history, *see Yearbook* for 1929.

LIBRARY. Special features—Canadian verse and Tennysoniana (C. C. James's collections), Canadian Church History, Erasmiana.

COURSES. 3 yrs. for Pass B.A.; 4 yrs. for General Course and 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. and Th.D.

HOSTELS for 250 men and 250 women students.

PUBLICATIONS. *Theological Calendar* (May); *Bulletin* (June); *Acta Victoriana*, a students' monthly.

THE YEAR 1948–49

BENEFACTIONS. $180,248.

VISIT OF TEACHER FROM OTHER UNIVERSITY. Prof. Mark Van Doren, Columbia, Armstrong Lectures, *Poetry*.

DEATH. Prof. A. Lacey (French).

HONORARY DEGREES. *D.D.*—Rt. Rev. W. Brewing, Toronto; Rev. T. T. Faichney, Galt; Rev. C. A. Gowans, Toronto; Rev. H. O. Hutcheson, Shelburne; Rev. S. B. Stokes, Niagara Falls.

STUDENTS. Total: 2378; full-time: 2294; pt.-time: 84; the total includes 928 women and 55 postgraduates.

DEGREES. *Theology*—Th.D., 3; B.D., 10; Diploma, 13; *Arts and Commerce*—B.A. or B.Com., 677.

UNIVERSITY OF WESTERN ONTARIO

LONDON, ONT.

Founded 1878

Cable Address—Uwestario.

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—G. E. HALL, A.F.C., M.S.A., M.D., Ph.D. Toronto, F.R.S C.

VICE-PRESIDENT—F. LANDON, M.A., F.R.S.C.

REGISTRAR—HELEN M. B. ALLISON, M.A. Minn.

LIBRARIAN—J. J. TALMAN, Ph.D. Toronto.

COMPTROLLER—R. B. WILLIS, M.A.

DIRECTOR OF UNIVERSITY HEALTH SERVICES—HELEN ROSSITER, M.B., Ch.B. Edin., D.A. Lond.

DEAN OF WOMEN—LEOLA NEAL, Ph D. Toronto.

COUNSELLOR TO MEN—T. L. HOSKIN, B.A.

TEACHING STAFF

Astronomy, v. Maths.

Biology, Applied, and 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.
Detwiler, J. D., M.A. Qu., Ph.D. Cornell Pt.-time Prof.
Sprules, W. M., Ph.D. Tor. Assoc. Prof.
Johnson, W. H., Ph.D. Tor. Asst. Prof.
1 Lectr., 3 Assts.

Botany

Hart, N. C., M.A. Tor. Prof.
Walker, A. R., M.A. Tor. Prof.
McLarty, D. A., Ph.D. Columbia Asst. Prof.
1 Instr.

Business Administration [Prof.
Thompson, W. A., M.B.A. Harv.
Fox, E. J., Ph.D. Cal. Prof.
Bonner, B., Ph.B. Chic., Ph.D. N. Carolina Prof.
Taylor, J. C., B.A. Prof.
Jarmain, E. G., B.A. Asst. Prof.
Carrothers, C. C., B.A., LL.B. (Comml. Law) Lectr.
3 other Lectrs., 5 Instrs.

Chemistry

Gunton, J. A., M.A. McM., Ph.D. Ill. Prof.
Burns, J. W., M.Sc. Qu. Prof.
Sivertz, C., B.A.Sc. Br. Col., M.Sc., Ph.D. McG. Assoc. Prof.
Hunten, K. W., Ph.D. McG. Assoc. Prof.
Watson, J. K., Ph.D. Tor. Asst. Prof.
1 Lectr., 9 Assts.

Classics

Ralph, J. D., Ph.D. Chic., B.A. Qu. Prof.

Pemberton, R. E. K., M.A. Oxon. Assoc. Prof.
Neville, K. P. R., Ph D. Cornell Pt.-time Prof.

Economic and Polit. Science

Inman, M. K., B.A. Acad., M.A., Ph.D. Harv. Prof.
Reilly, E. E., B.S.A. Tor., M.S. Wisc. Prof.
Harvey, W. B., M.A., LL.B. Manit., Ph.D. Chic. Assoc. Prof.
Pleva, E. G., M.A., Ph.D. Minn. Assoc. Prof.
Bittner, C. J., Ph.D. Iowa Assoc. Prof.
Ivor, D., M.A., Ph.D. Lond. Assoc. Prof.

3 Lectrs.

English

Klinck, C. F., M.A., Ph.D. Columbia Prof
Stiling, F., M.A. McM., Ph.D. Mich Prof.
Albright, Evelyn, B.A. Tor., M.A. Chic. Assoc. Prof.
MacKinnon, M. H. M., M.A., Ph.D. Tor. Assoc. Prof.
Buckley, G. E., B.A. Mt. All., M.A. Columbia Asst. Prof.
McRae, J. R. Y., M.A. Tor. Asst. Prof.

2 Lectrs. 6 Instrs., 1 Asst.

French, Italian and Spanish

Torrens, R. W., M.A. Harv., Ph.D. Cornell Prof.
Turville, Ada Dorothy, Ph.D. Columbia Prof.
Jenkin, H. E., B.A. Lond., L. ès L. Laval Assoc. Prof.
Collin, W. E., L. ès L. Toulouse, M.A. Assoc. Prof.
Montgomery, F., D. de l'U. Paris, M.A. Asst. Prof.

1 Lectr., 3 Instrs.

Geography [Prof.

Pleva, E. G., M.A., Ph.D. Minn.

2 Lectrs., 2 Instrs., 5 Assts.

Geology

Reavely, G H., M A. Prof.
Suffel, G. H., Ph.D. California Assoc. Prof.

2 Lectrs.

German

Allen, R. A., M.A. Tor, Ph.D. Chic. Prof.
Kalbfleisch, H. K., M.A. New York Assoc. Prof.

1 Lectr., 2 Instrs.

Hebrew [Prof.

O'Neil, Rev. A. H., M.A., D.D.

History

Dorland, A. G., B.A. Qu., M.A. Yale, Ph D. Tor., F.R.S.C. Prof.
Landon, F., M.A., F.R.S.C. Prof.
Maine, S. F., B.D. Vict., M.A, Ph.D. Chic Assoc Prof.
Talman, J. J., M.A., Ph.D. Tor. Assoc. Prof.
Thomas, H. M., M.A., Ph.D. Harv. Assoc. Prof.
Balderston, W., M.A , Ph.D. Corn. Asst. Prof.

1 Lectr., 2 Assts.

Journalism

McCracken, G. W., B.A. Qu. Prof.

6 Lectrs., 1 Instr., 9 Assts.

Law [Lectr.

Carrothers, C. C., B.A., LL B.

Library Science

2 Lectrs.

Mathematics and Astronomy

Kingston, H. R., M.A. Qu., Ph.D. Chic. Prof.
Magee, G. R., M.S., Ph.D. Chic. Assoc. Prof.
Cole, R. H., M.A., Ph.D. Wisc. Assoc. Prof.

1 Instr.

Medicine, v. *infra*

Music

Robb, Harvey, D.D.S. Tor. Prof.
Rosé, A., B.A. Prof.
White, E., Mus.Bac. Hon. Prof.
3 Lectrs.

Philosophy

Johnson, A. H., M.A., Ph.D. Tor. Prof.
Hilliard, A. L., Ph.D. Columbia Asst. Prof.
1 Lectr., 2 Assts.

Physical Education

Dewar, W. A. D., M.A. Columbia Dir. and Prof.
Zeigler, E. F , A.M. Yale Asst. Prof.
Metras, J. P. Dir. of Athletics.
3 Lectrs , 2 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.
1 Lectr., 3 Instrs., 5 Assts.

Psychology

Liddy, R. B , Ph.D. Tor., LL D Mt. A. Prof.
Neal, Leola, Ph.D. Tor. Assoc. Prof.
Turner, G., Ph.D. Tor. Assoc. Prof.
Wright, Mary, Ph.D. Tor. Asst. Prof.
1 Instr., 2 Graduate Assts.

Slavonic Languages

Hertzberg, M., M.D. Saratoff Lectr.
Ignatieff, L., B.A. McG. (on leave) Instr.

Secretarial Science

Gillespie, Mary, M.A. Columbia Assoc. Prof.
1 Lectr., 1 Instr., 1 Asst.

Medicine

Anatomy

Skinner, H. A., M.B Tor. Prof.
Barr, M. L., M.Sc., M.D. Assoc. Prof.
1 Lectr., 3 Instrs.

Bacteriology and Immunology

Murray, R. G. E., M.D., C.M. McG., M.A. Camb Asst. Prof.
1 Instr.

Biochemistry

Rossiter, R. J., B.Ch., D M., M.A., D.Phil. Oxon., B.Sc., F.R.I.C. Prof.
Macallum, A. B., Ph.D. Tor., F R.S.C. Research Prof.
De Luca, H. A., M A , Ph.D. McG. Asst. Prof.

Biophysics

Burton, A. C , Ph.D. Tor. Prof.

Histological Research

Macklin, C. C., Ph.D. Tor., F.R.S.C. Research Prof.

Medicine

Brien, F. S., B.A., M.B. Tor., F.R.C.P.Can. Prof.
Campbell, F. J. H., B.A., M.D., F.R.C.P. Prof.
Crombie, D. W., M.D., C.M. McG. Asst. Prof.
Duffy, J. L., M.D., C.M. McG. Asst. Prof.
Geddes, J. H., M.D. Asst. Prof.
Lewis, J. A., M.D. Asst. Prof.
5 Assocs., 14 Instrs.

Medicine, Clinical Preventive

Hobbs, G. E., B.A., M.D., D.I.P. Tor., M.P.H. Mich. Prof.
Anderson, O. W., Ph.D. Mich. Assoc. Prof.
2 Lectrs., 7 Instrs.

Medicine, Physical

Coffey, T. H., D.P.E., M.D., C.M. McG. Prof.
McLean, W. J., M.B. Tor. Assoc. Prof.
1 Instr.

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.

Ophthalmol , Otol , Rhinol., and Laryngol.

McFarlane, D. C., M.D. Prof.
3 Instrs.

Pathological Chemistry

Watson, E. M., M.Sc., M.D., F.R.C.P. Ed. and Can. Prof.
1 Lectr.

Pathology

Fisher, J. H., M.Sc., M.D., F.R.C P.Can. Prof.
Luney, F. W., M.D., D.P.H. Assoc. Prof.
Blaisdell, J. L., B.Sc., M.D. Tor. Asst. Prof.
1 Lectr., 2 Instrs.

Pædiatrics

Little, H. S., M.B. Tor., F.R.C.P. Can. Prof.
2 Sr. Assocs., 3 Instrs.

Pharmacology

Waud, R. A., Ph.D. Chic., M.D., M.Sc. Prof.
1 Lectr.

Physiology

Stavraky, G. N., M.D. Odessa, M.Sc., M.D., C.M. McG. Assoc. Prof.
2 Lectrs.

Psychiatry

Stevenson, G. H., M.B. Tor., F.R.S.C. Prof.
2 Sr. Assocs., 3 Instrs.

Radiology

Morrison, M. C., M.D. Prof.
Bartelink, D. L., M.D. Amsterdam Assoc. Prof.
Andrus, P. M., M.D. Asst. Prof.
4 Instrs.

Surgery and Anæsthesia

McLachlin, A. D., M D , D Sc , D.Phil. Oxon., F.R.C.S. Prof.
Ramsay, G. A., M.D., F.A C.S., F.R.C.S. (Orthop S) Prof.
Busby, E. D., B.A. McG., M D. Harv., F.A.C.S., F.R.C.S.Can. Prof.
Grace, A. J., M.A., B.M., B Ch. Oxon., F.R.C.S. Assoc. Prof.
Jepson, G. L., M.D. (Anæsthesia) Assoc. Prof.
Johnston, R. A., M.D Asst. Prof.
Foucar, H. O., B.A., M.D. Asst. Prof.
Ross, C. C., M.D. Manit., F.R.C S. Ed. Asst. Prof.
1 Sr. Assoc., 1 Instr. (Surgery), 7 Assts. (Anæsthesia)

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.C.S., F.A.C.P., F.R.S. Director.
Burton, A. C., B.Sc. Lond., M.A., Ph.D. Tor. (Biophysics) Res. Prof.
Macallum, A. B., M.A., Ph.D. Tor., F.R.S.C. (Biochem.) Res. Prof.
Macklin, C. C., M.D., M.A., Ph.D., F.R.S.C. (Histol.) Res. Prof.
Miller, I. R., M.B., M.A. Tor., M.D. Munich, F.R.S.C., F.R.C.P. Can., F.R.S. (Neurophysiol.) Res. Prof.
Noble, R. L., M.D. Tor., Ph.D., D.Sc. Lond. Res. Prof.

Paterson, J. C., M.D. Tor., B.Sc. (Med.) Prof.

Nursing

McDowell, Edith M , B.Sc., M.A. Columbia Dean.
King, Frances, M.A. Col. Assoc. Prof.
MacIlveen, Mary, B.S. Col. Assoc. Prof.
McLean, Margaret, M.A. Col. Assoc. Prof.
Quigley, Florence, B.Sc., M.A. Col. Assoc. Prof.
15 Lectrs.

AFFILIATED INSTITUTIONS

ASSUMPTION COLLEGE, Windsor, Ont. Principal, Prof. of Religious Knowledge, Very Rev. J. H. O'Loane, M.A. Columbia. 58 other Profs. and Instrs. in Arts subjects.

URSULINE COLLEGE, London, Ont. Dean and Prof. of English, Mother M. St. James, M.A. Qu. 19 other Profs. and Instrs. in Arts subjects.

WATERLOO COLLEGE, Waterloo, Ont. President and Prof. of Religious Knowledge, Rev. H. Lehmann, D.Th. 23 others in Arts Dept.
These three Colleges give the full 4-yr. Arts Courses.

ST. PETER'S SEMINARY COLLEGE OF ARTS, London, Ont. Rector, Mgr. A. P. Mahoney, V.G., D.P. 9 other Professors of Arts subjects.

MUSIC TEACHERS' COLLEGE, London, Ont. Director, Ernest White.

ALMA COLLEGE, St. Thomas, Ont., is a Junior Coll., giving the first 2 yrs. in Arts only. Principal, Rev. Stephen Mathers, M.A. Tor. 4 other teachers.

HURON COLLEGE, London, Ont., is a theological coll. Principal, Prof. Divinity and Hebrew, Rev. A. H. O'Neil, M.A., D.D. Other teachers not on staff of the Univ.: Rev. M. B. Parker, B.D., M.A. Columbia, Instr. in Greek; Rev. R. P. D. Hurford, D.D. Wycliffe, Lectr. in N.T.; Rt. Rev. W. T. T. Hallam, M.A. King's, D.D. Tor., LL.D. Sask., Prof. of Apologetics; Rev. R. K. Harrison, M.Th. Lond., Prof. of Bibl. Greek and N.T.; Rev. J. Y. MacKinnon, M.A., B.D., Ph.D. Qu., Lectr. in Philos. of Religion; Rev. T. R. Millman, Ph.D. McG., Lectr. in Hist.

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 3 Instns., the Coll. of Arts and Sciences (University College), the Medical School, and the School of Nursing.

FACULTIES. Arts and Science (Dean—Prof. H. R. Kingston), Medicine (Dean—J. B. Collip), Nursing (Dean—Prof. Edith M. McDowell).

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.B., M.A., M.Sc.; 3 yrs. of graduate work, Ph.D.; 6 yrs., M.D. Attendance on part of the classes (other than Med. and Sci.) may be dispensed with by the Senate, but all students must have attended lectures in the Univ. for at least 2 yrs. before they can graduate.

DIPLOMAS AND CERTIFICATES. Diploma in Business Administration; Diploma in Public Administration; Diploma of Public Health (D.P.H.); Diploma in Music (Pedagogy), 2-yr. course in Music Teachers' Coll.; Diploma in Home Economics, 2-yr. course; Certificate of Public Health Nurse (C.P.H.N.); Certificate of Instructor in Nursing (C.I.N.); courses each 1 yr., for graduates in respective fields.

FEES. Annual: Arts, $245-$285; Medicine, $465; Nursing, $250.

The LIBRARIES contain *c.* 187,000 vols. and several thousand pamphlets The Barnett collection contains many rarities dealing *inter alia* with Canadian and American history. The Shakespeariana number *c.* 1500 vols. and several thousand pamphlets.

SUMMER SCHOOL, EXTENSION AND CORRESPONDENCE WORK. Regularly carried on.

PUBLICATIONS. *Calendar* (May); *Report of Institute of Public Health* (May); *Medical School Announcement* (August), *Commerce Quarterly*; *Medical Journal*; *Univ. Gazette*, twice a week during term; *Occidentalia* (May).

THE YEAR 1948–49

BENEFACTIONS. Building Fund (sundry donors) $80,000, bringing total of fund to $2,200,000: Ont. Govt. Current Maintenance Grant, increased in April 1949 by $25,000 p.a., $375,000; M. Adele Aust Estate for Arthritic Res., $35,782 96; Sch. of Business Admin. Fund (sundry donors), $190,000; W. K. Kellogg Foundation—Second year grant for the School of Nursing, $17,879.58; Grants-in-Aid from Foundations and other Organizations for res., $179,298 (this includes from the National Res. Council approx. $86,400, from the Defence Res. Board $25,045, from the Life Insurance Med Res. Fund $14,500).

NEW BUILDINGS. In construction, Thames Hall, a combined physical educn., athletic and instructional bldg., and the chapel, residence and classrooms of Huron Coll., which will provide residential accom. for approx. 125 non-Theological and 75 Theological students. The additions to the J. B. Collip Medical Res. Lab. were completed and put into immediate use.

NEW DEPARTMENTS AND POSTS. Sch. of Business Admin., replacing Dept. of Business Admin., Univ. Coll.; Geography, Univ. Coll., to be a sep. Dept.; Philosophy, Univ. Coll., to be a sep. Dept., Biophysics, Fac. of Med., to be a sep. Dept.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. The Eighth Medical Alumni Lectureship: Prof. J. McMichael, London. The Fifth B. T. McGhie Memorial Lectureship. Dr. H. Solomon, Prof. of Psychiatry at Harvard.

RETIREMENTS. J. D. Detwiler, Prof. and Hd., Dept. of Zool., Univ. Coll.; Willena Foster, Assoc. Prof., Dept. of Physics, Univ. Coll.

RESIGNATIONS. O. G. Edholm, Prof. and Hd., Dept. of Physiol., Fac. of Med., to a spec. lab., England; C. S. Monson, Lectr., Dept. of English, Univ. Coll., returned to U.S.A.; R. B. Taylor, Prof., Sch. of Business Admin., to Steel Co. of Canada Ltd.; G. L. Jepson, Prof. and Hd., Dept. of Anæsthesia, Fac. of Med.; C. J. Kerswill, Asst. Prof., Dept. of Zool., Univ. Coll., to Fisheries Res. Board, Dominion of Canada.

HONORARY DEGREES. *LL.D.*—Air Marshal W. A. Curtis; 3 early Medical graduates and members of the Fac. of Med. for many yrs. (now retired)—

G. A. Ramsay, W. J. Tillmann, S. Thompson; F. S. Rutherford, Deputy Minister of Educn., Ont.; Rt. Rev. Mgr. F. Vandry, Rector of Laval Univ.; W. R. Reek, Pres. of Ont. Agric. Coll.; E. H. Gurney, Res. Council of Ont. *Litt.D* —Lillian M. Penson, Vice-Chancellor of Univ. of London. *Mus.D.*—R. D Stewart, Canadian conductor of Baltimore Symphony Orchestra and Dir. of the Peabody Conservatory of Music, Baltimore. *D.D.*—Ven. Archdeacons A. L. G. Clarke, W. A. Townshend, H. P. Westgate, and the Very Rev. R C. Brown, Dean of Diocese of Huron. *D.Sc.*—R. K. Stratford, Dir. of Res. for Imperial Oil Co.

STUDENTS. Total: 4658; full-time: 3505; pt.-time: 1153; the total includes 1424 women and 169 graduates.

DEGREES, DIPLOMAS AND CERTIFICATES. B.D., 1; B.A., 683; M.A., 10; B Sc., 84; M Sc., 19; Ph.D., 1; B Sc. in Nursing, 19; B.Sc. (Lab. Asst.), 5; M.D, 52; Diploma in Business Administration, 17; Diploma in Public Administration, 1; Diploma in Home Economics, 4; Diploma in Music, 21; Certificate of Public Health Nurse, 6; Certificate of Instructor in Nursing, 13.

THE UNIVERSITIES OF AUSTRALIA

ADELAIDE
AUSTRALIAN NATIONAL UNIVERSITY
MELBOURNE
N.S.W. UNIVERSITY OF TECHNOLOGY
QUEENSLAND
SYDNEY
TASMANIA
WESTERN AUSTRALIA

GENERAL DESCRIPTION

[Revised in 1931 and 1936 by Professor J. T. Wilson, M.A., LL.D., M.B., Ch.M., F.R.S., and further revised in 1939, 1947, 1949 and 1950 by the Australian Vice-Chancellors' Committee.]

EACH State of the Commonwealth of Australia possesses a University of the conventional type in its capital city. In addition there are the Australian National University located at Canberra and the N.S.W. University of Technology in Sydney. There are also University Colleges at Armidale, N S W , and Canberra, A.C T , the former being a branch of the University of Sydney and the latter being associated with the University of Melbourne, which acts as the examining body. Generally speaking the Australian Universities are widely separated, those at Brisbane and Perth, for example, being effectively not less than 3000 miles apart ; while visits to even the nearest sister University often involve a long journey.

Nevertheless these Universities, apart from the Australian National University and the New South Wales University of Technology, of which more will be said later, 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 owe their establishment to Acts of the State Legislatures carried through in response to popular demands. They are not, however, " State Universities " in the American sense, but, like the British Universities generally, are, by statute and Royal Charter, self-governing academic corporations.

Underlying this general uniformity of type there are not a few individual differences and variations. These may be referred to several factors. Differences in dates of foundation (1850–1949) necessarily determine more or less the stage and degree of academic development actually reached ; also, the academic ideas current at different foundation periods have undoubtedly impressed themselves on the academic structure and development of both older and younger Universities. Further, another obviously important differentiating factor has been that of inequality of material resources available, both from private endowment and from State subsidy—the latter being naturally de-

pendent in large measure on the extent of the population of the State concerned.

An Act passed in 1946 by the Parliament of the Commonwealth made provision for the establishment of the Australian National University at Canberra, particularly to provide facilities for research and postgraduate studies. The 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 this organization though some delay has been occasioned by present building difficulties. Staff are, however, already being appointed and arrangements made for beginning work in Canberra. Meanwhile certain Departments are at work in other places both in Australia and abroad. It is contemplated that during 1951 the Schools of Physical Sciences, Social Sciences and Pacific Studies will be at work in Canberra.

The Mildura Branch of the University of Melbourne, which was established in 1947 for the purpose of training a large number of ex-Service students in technical and professional faculties, was closed at the end of 1949.

The year 1949 also marked the inauguration of the N.S.W. University of Technology, which aims to provide for training and research in technological fields and to aid by research the application of science to industry.

Residential Colleges. The founders of the first Australian Universities would appear to have been influenced, to some considerable extent, by the conception of a University which is embodied in the ancient residential foundations of Oxford and Cambridge. Doubtless this was due 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 the date of their federation as States of a Commonwealth). In these early Australian Universities, the general system of University education was on lines similar to those of the modern English Universities, and conformed to the official policy of secular education; but provision was made at the outset for residential colleges, which were—as in Oxford and Cambridge—conceived as religious foundations. The circumstances of time and place made it inevitable that such religious foundations should be entrusted to the Churches of the leading Christian denominations, namely: Church of England, Presbyterian, Methodist and Roman Catholic.

In the case of the first two Universities, those of Sydney (1850) and of Melbourne (1853), substantial areas were set apart, within the lands reserved for University purposes, and offered as sites to the four Churches named, for the founding of residential colleges. In due course the following colleges were so founded, with governing bodies appointed by the several Churches: Sydney—St. Paul's (1854), St. John's (1857), St. Andrew's (1867), Wesley (1910); Melbourne—Trinity (1872), Ormond (1879), Queen's (1888), Newman (1916). Not long after

the founding of colleges for women at Oxford and Cambridge, provision for residence of women students was made as follows: Sydney—the Women's College (1890), not a Church foundation, Sancta Sophia (1929), originating (in 1925) as a hall of residence associated with St. John's College; Melbourne—University Women's College (1937), again not a Church foundation, preceded by halls of residence, namely, Janet Clarke Hall (1886) and St. Mary's Hall (1916), associated respectively with Trinity and Newman Colleges.

What a "College"—"within the University of Sydney" or "of and within the University of Melbourne" (to quote the official descriptions)—should connote, in the circumstances of these Universities and Colleges, was a new and very difficult problem. Because of a variety of exceptional factors, the furthest advance towards a solution of this problem has been made in the Colleges of the University of Melbourne—with a well-established College tutorial system, a large membership of non-resident College students, a liberal system of resident scholarships and non-resident exhibitions, and a considerable measure of organic relationship to the Faculties, and to the governing body, of the University In the University of Sydney, where circumstances were, at the earlier stages, not so favourable for such a development, the College system has a place of parallel importance—with certain characteristic differences

In the Universities of all the other States, there are Colleges at different stages of development. In the University of Queensland (founded 1910), where provisions were laid down by statute for residence of all students (including recognition of the residence of a student in his own home), the following Colleges were founded: Emmanuel (1912), St. John's (1912), King's (1912), the Women's College (1914—not a Church foundation), St. Leo's (1917), Duchesne (1936). And, on the new site for this University, at St. Lucia, land is being set apart for these Colleges. In the University of Adelaide, St. Mark's College (1925) is an Anglican foundation; St. Ann's College, an undenominational college for women, was affiliated with the University in 1939, and opened for the residence of students in 1947; Aquinas College, a college for men, under the auspices of the Roman Catholic Church, was opened in 1950. St George's (1931) in the University of Western Australia, and Christ College (1933) in the University of Tasmania, are Anglican foundations. Attached to the University of Western Australia is also a University hostel, the Women's section of which is known as the Women's College and will form the nucleus of a permanent institution. Approval has been given by the Senate for the establishment of Newman College, under the auspices of the Roman Catholic Church.

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.

The Canberra University College provides a limited amount of accommodation for students at " Gungahlin," a hall of residence for men. Unlike the residential colleges familiar in Australian Universities, " Gungahlin " is not an affiliated institution, but an integral part of the College, governed by the Council Tutorial assistance is not provided for residents.

The Colleges in all the Universities are open to all students of good standing, without distinction of religious belief.

THE NEW SOUTH WALES UNIVERSITY OF TECHNOLOGY. An Act to incorporate the N S W. University of Technology was passed by the New South Wales Parliament in April 1949. 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 by 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, in order that graduates will not be handicapped by too narrow a specialization, there are in all faculties courses in language, literature, human relations and contemporary civilization

CONSTITUTION OF UNIVERSITIES. A. *Governing bodies.* In their statutory constitution the governing bodies of all the Australian Universities (except the New South Wales University of Technology, *see* below) present a generally similar composite character, whilst differing in the proportions of the component elements. Their membership varies in number from 18 to 31. 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 Adel. does it form the preponderant element. In every University there is now 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 two cases by *ex officio* representation of the State Department of Education. In the more recently founded Universities the representation of the State Government is strong; in one instance it is equal to the academic, and in another it is even slightly preponderant.

The academic representative element invariably includes representatives of the teaching staff, though only in Sydney, Melbourne, New South Wales University of Technology, Tasmania and Western Australia by independent statutory right. In most cases their number is by ordinance limited to three, elected as part of the general representation of the academic body by the graduates.

The Melbourne University Act of 1923 introduced certain novel provisions, namely, that the Government nominees shall include representatives not only of Parliament but of manufacturing, commercial, agricultural, and industrial interests, as well as a representative of the technical schools; it also provided that two Heads of Colleges and two elected representatives of the undergraduate body shall have seats on the governing body.

In Western Australia the Senate has granted to the representative of the Guild of Undergraduates and to the Warden of Convocation the right to attend Senate meetings and to speak in the Senate, without, however, the right to vote as a member of that body.

The Council of the New South Wales University of Technology differs somewhat from the governing bodies of the other Universities as there is only one representative elected by graduates of the University. The Council is representative 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.

The governing body in the Australian Universities is designated either the " Senate " (Syd., Queens., W. Aust.) or " Council " (Melb., Adel., Tas., N.S W. Univ. of Technol. and the Canberra Univ Coll). At present the Australian National University is controlled by a body referred to as the " Interim Council."

B. *Graduate academic body.* As in the British Universities generally, there is in each of the Australian Universities another statutory academic body, consisting in the main, though not in all cases exclusively, of the general body of graduates (usually of at least three years' standing). In Queensland the Governor-in-Council may appoint as members of this body one representative of " any commercial, industrial, scientific, professional, or educational society, institution, or association within Queensland."

In those Universities in which the governing body is entitled " Senate " the graduate body is called either Convocation or Council. Where the governing body is styled " Council " the graduate body is called either Senate or (in Melb. since 1923) 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.

ADMISSION. Attempts have been made without success to devise a common matriculation. The difficulty lies in difference of policy as to the part to be taken by entrance examination as a qualifying test, and as to prerequisite subjects. Generally speaking, matriculation requirements include passing a recognized examn. (school-leaving, matriculation, etc.) in English and three or four other subjects. Special facilities are offered for matriculation in some Universities and in some faculties to persons of mature age who have not had the opportunity of qualifying in the ordinary way of secondary education and who can pass certain special entrance tests. Owing partly to isolation by distance, migration of

students from one University to another is not common. It would occur still more rarely were it not for the fact that some of the Universities do not yet provide opportunities for professional training in every direction, particularly in medicine. Hence it becomes necessary for some students, after one or two years' study in the University of their own State, to move to one of the older and larger Universities in order to continue their professional training.

Although the requirements for entrance at the various Universities are not completely uniform, all possible reciprocity is exercised in the matter of such interchange of students, whether from Australian or British Universities. In general the Universities will admit to matriculation *ad eundem statum* a student who has matriculated or qualified to matriculate at another University of recognized standing, but in some cases the passing of compulsory " prerequisite " subjects for particular courses may be required.

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 Nov. or Dec. 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 University requires 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 six years. 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 therefor, *see under* the several Universities.

FEES AND COST OF LIVING. The cost of living varies a good deal in different parts of Australia. A student will probably not notice much difference between Sydney and Melbourne in this respect. But anywhere he will find that £350 a year gives him quite sufficient means, for the climate is benign and good food is plentiful. The style of living everywhere is unostentatious. Decent board and lodging should not cost more than £3 : 5s. a week. Meals at the cost of 2s. to 3s. can

generally be obtained at the University by members of " Unions " and others. 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, and Melbourne has a Union building containing dining-rooms seating upwards of 700. Western Australia has at present accommodation in its dining-rooms for about 200. A developed Union at an Australian University also provides all the comforts of a non-residential Club for a membership fee ranging from £1 : 5s to £3 : 13 : 6 a year. The new Union House at the University of Melbourne has many social and cultural amenities, including a Theatre, Art Gallery, and private entertainment rooms. Rowing, football, cricket, and other games may be had in the Sports Clubs on correspondingly easy terms, and numerous Intervarsity contests are held in vacations under the auspices of the Australian Universities' Sports Union.

Residence at a College is optional College fees for residence and tuition are on an inclusive basis and range from £65 to £145 per annum. Thus Wesley College, Sydney, charges £41 · 5s. a term for resident students ; Ormond, Melbourne, from 135 to 145 gs a year for residence during terms, according to the course being taken. St. John's, Queensland, has fees of £21 per term, and the rates at the other Queensland Colleges are practically the same. The fees at St. Mark's College, Adelaide, are 140 gs per annum. The University of Western Australia has, since the War, a hostel with accommodation for 140 at a weekly charge of 47s 6d Special arrangements can always be made for residence during vacations, an additional charge then being made. Many men live in College on a total income of not much more than £250 a year ; it is doubtful if any will spend double that amount. There are few rich students and no tradition of expensive living among College men, no charming but costly ancient customs. Many of the Colleges have liberal endowments for Scholarships and Bursaries

For University fees *see under* the several Universities below.

CURRICULA AND COURSES OF UNIVERSITY STUDIES. 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. There is, however, one notable exception : in accordance with the exclusively secular character of the Universities of Australia a Faculty of Theology is lacking in all of them, and until 1936 no degrees in Divinity were obtainable in any Australian University, although under special Acts of Parliament they may be given by other institutions, such as the Melbourne College of Divinity. In the case of the University of Sydney amending legislation passed in 1936 removed the exception of degrees in Divinity and Theology and the University has now courses leading to the degree of Bachelor of Divinity and may confer the degree of Doctor of Divinity. More or less associated with this situation is the paucity of courses of study in Semitic languages or literature, a Professorship for which, however, exists in Melbourne. There is a chair of Oriental Studies (at present vacant) at Sydney. At Sydney Hebrew is available in the regular

curriculum and Russian is provided through the Extension Board. (A certain amount of teaching in Semitic languages is provided in Theological schools maintained by some of the religious denominations.) There is an Institute of Modern Languages at the Queensland University which provides courses up to Senior (School Leaving) Examination standard The courses available in 1936 were Chinese, Dutch, French, German, Hebrew, and Italian. For the benefit of theological students Biblical Literature became an optional subject of the Faculty of Arts from the beginning of 1938. The University of Melbourne includes Dutch, Hebrew, Russian, and Arabic in its regular curriculum.

Subdivision of University studies into groups, under Faculties and Boards of Studies, has been carried further than is usually the case 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 we find that even within the limits of a single 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 eleven different degrees may be awarded as Bachelors and Masters of different branches of Engineering—Civil, Mechanical, Electrical, Mining, and Metallurgical Master of Engineering Science—besides a Doctorate of Engineering. As many as thirteen different Faculties are found among the various Universities, with a maximum number in Melbourne of twelve. In Sydney there are ten Faculties and in Adelaide eight. The establishment of Faculties of Education and Architecture in 1949 brought the number in Queensland up to eleven.

Each University possesses Faculties of Arts, Science, Law, and Engineering, except in the case of the New South Wales University of Technology, which at its present stage of development has Faculties of Engineering, Science and Architecture only, and the National University, which is in a special position. All except Tasmania have Schools or Faculties of Agriculture. Sydney and Queensland have Schools of Veterinary Science organized as separate Faculties. The course in Veterinary Science is at present suspended in the University of Melbourne, and students desiring to qualify for a degree must proceed to Sydney after the completion of their first year. Western Australia teaches Veterinary Science as part of the Agricultural course, but students desiring to obtain a degree in Veterinary Science must proceed to Sydney after completing a special first year in the Faculty of Science. In N.S.W. and W. Australia the law requires such qualifications as practically involve the Univ. curriculum in Veterinary Science.

The subject of Economics is represented by separate Professorships in each University (except the New South Wales University of Tech-

nology) and at the Canberra University College. In Sydney there is a separate Faculty of Economics, but, as there is no Faculty of Commerce, it includes all the various branches of both Economic and Commercial Studies. In Melbourne there is a Faculty of Economics and Commerce, and in Queensland and Tasmania there are Faculties of Commerce. In Melbourne and Queensland there is a degree of Bachelor of Commerce, while the specialized degree in Adelaide and Sydney is Bachelor of Economics. The Faculty of Commerce in Tasmania offers both degrees, Bachelor of Commerce and Bachelor of Economics. In all the Universities (including Western Australia), however, Economics is ordinarily included also as a subject which may be taken for an Arts degree.

In Sydney, Melbourne, Queensland and the N.S.W. University of Technology there are fully organized Faculties of Architecture, with Chairs in the subject. At Adelaide there is a special course in Architecture within the Faculty of Engineering leading to the degree of Bachelor of Engineering. In Melbourne, Queensland and Western Australia 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 Sydney there is a Conservatorium entirely independent of the University which has, however, recently established a Chair of Music in the Faculty of Arts. In Tasmania music is not taught, but if studied privately credit may be given for one of the subjects of the Arts degree. In Queensland, Music may be taken as a subject of the first year of the B.A. course.

Melbourne has a Faculty 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. The Faculty contains several representatives of the State Department of Education. Western Australia grants a first degree in 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, Adelaide, and Queensland by University graduates or by students who have qualified for a degree (W. Aust.) and have had approved practical experience of teaching. The University of Tasmania in 1948 took over the training of teachers from the State Education Department and now offers a Diploma of Education (available to graduates only) and a Certificate for non-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. Queensland has a Faculty of Education granting University degrees of Bachelor and Master of Education. Candidates for the degree of Bachelor of Education must be graduates

of the University of Queensland. The Faculty of Education contains several representatives of the State Department of Education.

Several of the Universities provide courses in Social Studies leading to a Diploma.

Canberra University College conducts courses in Commerce and Economics, Arts and Law; students comply with entrance conditions as of the University of Melbourne, take the examinations and obtain the Degrees of that University. The College has chairs of Economic History, Economics, History and Political Science, and a number of other departments are in charge of senior lecturers. The College also conducts a full-time course of Diplomatic Studies extending over two years. This course, which is intended for the training of persons who have been appointed as diplomatic cadets by the Department of External Affairs, is at present restricted to such cadets. Persons admitted to the course must be graduates, and no degree or diploma is awarded.

The Universities of Melbourne (1946), Sydney (1948), Adelaide (1949) and Queensland have recently established the degree of Doctor of Philosophy, for which graduates of certain standing are eligible upon the successful completion of a full-time course of two years' advanced study and research in the University. The University of Tasmania now provides a course for the degree of Doctor of Philosophy to graduates in Science and Engineering only, and some other Universities have similar Faculty limitations. The question of providing for the degree of Doctor of Philosophy is also under consideration in some other Universities.

PROFESSIONAL SCHOOLS AND RESEARCH INSTITUTES. Each of the three older Universities, of Sydney, Melbourne and Adelaide, possesses 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, whilst not a few of their graduates may be found occupying responsible positions outside Australia. The teaching and research staffs of these schools are also now largely recruited from the ranks of their own more distinguished graduates, but they are continually being reinforced by other teachers of distinction from outside Australia. Faculties of Dentistry and Medicine were established in Queensland in 1935 and 1936 respectively, while in Western Australia a Faculty of Dental Science commenced in 1946 and the establishment of a medical school is under consideration.

The relationship of the Medical Schools to the great general hospitals is intimate and effective. The University of Melbourne appoints Clinical Supervisors to each of the Teaching Hospitals to co-ordinate the clinical training of students. There is thus secured an extensive and varied clinical field, 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. Such postgraduate work in various departments of specialized study now finds manifold

guidance, and receives full official recognition, in connexion with the Diplomas awarded after appropriate courses of study. Amongst these may be specified the Diplomas in Psychological Medicine, Dermatological Medicine, Clinical Pathology and Radiology at the University of Sydney and the Australian Diplomas in Public Health, Tropical Medicine and Tropical Hygiene from the Federal School of Public Health and Tropical Medicine in the University of Sydney, and more or less corresponding courses in the University of Melbourne, both these Universities also granting Diplomas in Ophthalmology, Laryngology and Otology, in Gynæcology and Obstetrics, in Therapeutic and Diagnostic Radiology, in Psychological Medicine, 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.

The University of Adelaide established in 1925 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 established in 1938 an Institute of Agriculture, which serves as a centre for research in agricultural science, and has set aside a portion of the University grounds for investigational purposes, with accommodation for plant and animal experiments.

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, Entomology, etc.

The Commonwealth Government has each year since 1936 made grants for distribution among the Universities to assist research and the training of research workers in various groups of sciences, including the physical, biological, social and medical fields These grants, together with State Government support and the Universities' own endowments for the purpose, have provided a strong stimulus for research developments within the Universities themselves.

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 and Anthropology. The present tendency is to reduce the number of sub-graduate Diploma courses while extending the range of post-graduate Diplomas.

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. In Tasmania and Canberra a number of lectures are given between 5 P.M. and 8 P.M. In Queensland the evening classes, generally of one-hour duration, are held between 8 P.M. and 9 P.M.

EXTERNAL STUDENTS. Under the Regulations of the Universities of Melbourne and Queensland, attendance at lectures is not compulsory except in specified subjects. (These naturally include most scientific subjects which require laboratory facilities.) It is therefore possible, though not common, to obtain an Arts degree as a purely external student. In Western Australia correspondence classes for external students are carried on in most Arts subjects 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.

The Universities which permit the enrolment of external students or provide for correspondence tuition in general limit such facilities to residents within the State in which the University is situated. Only in special circumstances is external tuition permitted outside a State. 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, Sydney 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 affiliated institutions such as Technical Schools and Colleges.

UNIVERSITY EXTENSION LECTURES were instituted at Sydney Univ. 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 Univs. into closer relationship with the masses of the people. The movement was fostered by State grants and grew rapidly. Each Univ. 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 Univ. officer—the Director of Tutorial Classes. A federal W.E.A. for Australia has its central office in Melbourne. The total number of 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 Assocn., numerous courses of public lectures are delivered, educational conferences promoted, and an extensive book service is carried on. 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 W.E.A. activities in Queensland. In Western Australia extension classes are conducted at the University, in the city and suburbs, with an Adult Education library, books from which are available to groups in country areas 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.

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, Nuffield Foundation, Gowrie Trust, and the United States Educational Foundation in Australia. 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.

FREE PASSAGES TO EUROPE. Before the War the following first-class passages were granted annually to Australian and New Zealand Univs. for graduates proceeding to Europe to continue their studies : Adelaide, 3 ; Melb., 4 ; Queensland, 3 ; Syd., 4 ; Tasm., 2 ; W. Aust., 3 ; N.Z., 4 ; available by any of the following Lines : Aberdeen, Blue Funnel, Orient, P. & O., and, for N.Z graduates only, N.Z. Shipping and Shaw, Savill & Albion. The scheme was suspended during the War and efforts are now being made to have it re-commenced.

INTER-UNIVERSITY ORGANIZATIONS

After a conference held at Sydney in May 1920 the Australian Univs. established a Standing Advisory Committee to deal with matters of common interest. The present headquarters of the Committee, now known as the Australian Vice-Chancellors' Committee, are in the Australian National University at Canberra. Professor G. A. Currie, Vice-Chancellor of the University of Western Australia, is the present Chairman of the Committee and Professor Sir Douglas Copland, Vice-Chancellor of the Australian National University, is Deputy Chairman. The Committee meets at least twice a year, usually in March and August, or more frequently should occasion demand. The Secretary is Mr. A. J. T. Ford.

As the result of a conference held in January 1942 between representatives of the Universities and of the Commonwealth Government, a Universities Commission was set up by the Government and has now become a permanent official organization with particular responsibility for the management of a scheme of financial assistance to students and of the arrangements at University level of the Commonwealth Reconstruction Training Scheme for ex-Service men. The Commonwealth

Director of Education (Professor R. C. Mills) is the Chairman of the Commission, which has regular conferences with the Vice-Chancellors' Committee. The Commission has its head office in Sydney, and branch offices in each University.

STATISTICS of University teachers, 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.

THE UNIVERSITY OF ADELAIDE

Founded 1874

Address—Adelaide, South Australia.

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—A. W. BAMPTON.

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*

Animal Products, v. Animal Products Research Foundation, *infra*

Anatomy, v. also Med.

Abbie, A. A., M.D., D.Sc. Syd., Ph.D. Lond. Elder Prof.

Adey, W. R., M.D. Sr. Lectr.

Packer, A. D., B.Sc., M.B., B.S. Sr. Lectr.

Barbour, J. R., M.B., M.S., F.R.C.S. Pt.-time Lectr.

Green, Lorna M. A., B.A., B.Sc. (Histol.) Actg. Lectr.

Bacteriology

..... Prof.

Atkinson, Nancy, M.Sc. Melb. Reader-in-Charge.

McLean, S. Jean, M.Sc. Actg. Lectr.

Macbeth, Anna M., B.Sc. Jr. Res. Fellow.

Loutit, J. S., B.Sc. Jr. Res. Fellow.

Llewellyn, Joan M., B.Sc. Jr. Res. Fellow.

Biochemistry and General Physiology

Mitchell, M. L., M.Sc. Camb. Prof.

Nossal, P., M.Sc. Syd. Lectr.

Peirce, A. W., D.Sc. (Agric. B.) Pt.-time Lectr.

Trudinger, P. A., B.Sc. Actg. Lectr.

Botany

Wood, J. G., Ph.D. Camb., D.Sc. Prof.

Black, J. M. (Syst. B.) Hon. Lectr.

Adam, D. B., B.Ag.Sc. Melb. (Plant Path.) Reader

Womersley, H. B. S., M.Sc. (Cryptogamic B.) Sr. Lectr.

McCarthy, Doreen F., B.A., B.Sc. (Biol.) Pt.-time Lectr.

Eardley, Constance M., M.Sc. Systematic Botanist.

Specht, R. L., M.Sc. Sr. Res. Fellow.

Sibly, Patricia M., M.Sc. Jr. Res. Fellow.

Chemistry

Macbeth, A. K., C.M.G., M.A. St. And., D.Sc. Belf., F.R.I.C. Angas Prof.

Pennycuick, S. W., D.Sc. Reader.

Badger, G. M., Ph.D. Lond., D.Sc. Glas. Sr. Lectr.

Jellinek, H. H. G., Ph.D. Lond. and Camb. Sr. Lectr.

Winzor, F. L., D.Sc. Lectr.

Human, J. P. E., Ph.D. Camb., M.Sc. Lectr.

West, B. O., B.Sc. Lectr.

Eberhard, S. T., B.Sc. Pt-time Lectr.
Mills, J. A., M.Sc. Sr. Research Fellow.
Jackman, L. M., M.Sc. Jr. Res. Fellow.

Classics and Comp. Philol. and Lit.

FitzHerbert, J. A., 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. Sr Research Fellow in Australian Linguistics

Commerce and Public Admin.

Painter, E. W., F.C.A. Aust. (Accountancy) Lectr.-in-Charge
Duffield, G. L. (Accountancy) Lectr.
Richardson, S H., F.F I.A. (Cost Accountancy) Lectr.
Palmer, E. W., LL.B. (Coml. Law) Lectr.
Kriewaldt, M. R. C., B.A. Wisc., LL B. (Coml. Law) Lectr.
Daymond, L. B., B.Com. Tas. (Coml. Law) Lectr.
Tillett, A. C., A.U.A. (Pub. Admin.) Lectr.
Carey, E. J., B.Ec. (Pub. Finance) Lectr.
Jones, Helen, B A (Polit. Instns.) Lectr.
Opie, R. G., B.A. (Statistics) Lectr.

Dentistry, v. *infra*

Economics, v. also Com.

Karmel, P. H., B.A. Melb., Ph.D. Camb. Prof.
Hirst, R. R., M.Ec. Reader.
Smith, A. M., B.Ec. Lectr.
Seaman, G. F., B.Ec. (Stats.) Pt.-time Lectr.
Bailey, A. P., B.Ec. Pt-time Lectr.

Education

Penny, H. H., Ph.D. Lond., M.A. Lectr.
4 other Pt-time Lectrs.

Engineering, Architectural

Laybourne Smith, L., C.M.G., B.E., F.R.I.B.A. Lectr.

Engineering, Civil

Robin, R. C., M E. Prof.
Farrent, T. A., B.Sc , B.E. Reader.
Robinson, A. J., B.C E. Melb. (Surveying) Sr. Lectr.
Sved, G., Dip. Mech. Eng. Budapest Sr. Lectr.
Culver, R., B.Sc., B.E. Lectr.
Barker, A. B., B Sc., B E. (Industrial E.) Pt.-time Lectr.

Engineering, Electrical

Willoughby, E O., M.A., B.E.E., B C E. Melb. Prof.
Vowels, R E., M E. Reader.
Pletts, J. W., B.Sc. Lond. Lectr.

Engineering, Mechanical

Davis, H. H., B.Sc., B E. Syd., Ph D. Camb. Prof.
Downs, B., M.E. Liv. Sr. Lectr.
Duncan, J. P., B.E. Sr. Lectr.

English Lang. and Literature

Nichol Smith, D , D.Litt. Durh , LL.D. Glas. Jury Prof.
Piper, H. W., B.A. Oxon. Reader.
Elliott, B. R., M.A. W. Aust. Lectr.
Strehlow, T. G. H., M.A. Lectr.
Muecke, D. C., B.A. Lectr.
2 Tutors.

Experimental Medicine

..... Keith Sheridan Prof.

French

Cornell, J. G., M.A. Melb., L. ès L. Paris Prof.

Crampton, Mary H. St. Cl., M.A. Sr. Lectr.
Ellis, Marcelle, L. ès L. Geneva Pt.-time Lectr.
Rice, Therese M., M.A. Pt.-time Lectr.

Geography

Fenner, C. A. E., D.Sc. Melb. Lectr.-in-charge.
Martin, F. C., M.A. Pt.-time Lectr.
Marshall, Ann, M.Sc. Melb. Pt.-time Lectr.
Price, A. Grenfell, C.M.G., D.Litt. Pt.-time Lectr.

Geology and Mineralogy

Mawson, Sir Douglas, O.B.E., B E. Syd., D.Sc., F.R.S. Prof.
Kleeman, A. W., M Sc. Sr. Lectr.
Glaessner, M. F , Ph D. Vienna, D.Sc. Melb. Sr. Lectr.
Bowes, D. R., Ph.D. Lond., M.Sc. Lectr.
Hossfeld, P. S., M.Sc. Pt.-time Lectr.

Economic and Mining Geology

Rudd, E. A., A.M. Harv., B.Sc. Prof.

German

..... Sr. Lectr.-in-Charge.
Schulz, A. J., Ph.D. Zür., M.A. Pt.-time Lectr.

History and Political Science

Duncan, W. G. K., M.A. Syd., Ph.D. Lond. Prof.
Pike, D. H., B.A. Reader.
Oldham, W., Ph.D. Lond., M.A. (Hist.) Sr. Lectr.
Sainsbury, K. A. F., B.Phil. Oxon. Lectr.

Law

Blackburn, R. A., B.A., B.C.L. Oxon. Bonython Prof.
Chamberlain, R. R. St. C., K.C., LL.B. (Criminal L.) Lectr.
Pickering, A. L., LL.B. (Evidence and Procedure) Lectr.
Whitington, L. A., LL.B. (Companies, Partnership, Bankruptcy and Divorce) Lectr.
Stevens, E. L., LL.B (Equity and Conveyancing) Lectr.
Kriewaldt, M. R. C., B.A. Wisc., LL.B (Property—Real and Personal) Lectr.
Piper, F. E., LL.B. (Private International L.) Lectr.
Phillips, E., K.C., LL.B. (Mercantile L.) Lectr.
Hague, R. M., LL B (Jurisprudence, including Roman L.) Lectr.
Moulden, A. M., LL.B (Legal Ethics) Lectr.

Mathematics

Sanders, H. W., M.A. Camb. Elder Prof
Statton, J. W., B.Sc. Reader.
Gray, M. C., B.Sc. Sr Lectr.
Szekeres, G., Dip.Chem.Eng. Budapest Sr. Lectr.
Rennie, B. C., Ph.D. Camb. Sr. Lectr.
Cornish, E. A., M.Sc. (Stats.) Pt.-time Lectr.
Harding, F. Mary, Ph.D. Edin. Pt.-time Lectr.

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. (Chemical Engin.) Sr. Lectr.

Music

Bishop, J. Elder Prof.
Horner, J. A., F.R.C.O. Lectr.
Parsons, H. S., Mus.Bac. Lectr.

Pathology

Robertson, J. S., M.B., B.S. Syd., D.Phil. Oxon. Marks Prof.

Reid, R. T. W., M.B., B.S. Lectr.
Guenther, J. I., M.B., B.S. Actg. Lectr.

Philosophy

Smart, J. J. C., M.A. Glas., B.Phil. Oxon. Hughes Prof.
Finnis, M. M. S., B.A. Sr. Lectr.
Davey, Constance M., Ph.D.Lond., M.A. (Psychol.) Pt.-time Lectr.
Schulz, A. J., Ph.D. Zürich, M.A. Pt.-time Lectr.

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.Inst.P. Reader.
Fuller, G. R., B.Sc. Sr. Lectr.
Tomlin, S. G , Ph.D. Lond. Sr. Lectr.
Aitchison, G. J., M.Sc. Lectr.
Crompton, R. W., B.Sc. Lectr.
Elford, W. G., B.Sc. Lectr.
Iliffe, M. I. G., B.Sc. Lectr.
Sutton, D. J., B.Sc. Lectr.

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.
Crosby, N. D., M.B., B.S. Sr. Lectr.
Kerr, D. I. B., B.Sc. Lectr.
Le Messurier, D. H., M.B., Ch.B. Edin., B.Sc. Sr. Res. Fellow.

Social Science

Wheaton, Amy G., B.Sc. (Econ.) Lond., M.A. Lectr.-in-charge.

Zoology

Johnston, T. Harvey, M.A., D.Sc. Syd. Prof.
Thomas, I. M., M.Sc. Wales Sr. Lectr.
McCarthy, Doreen F., B.A., B.Sc. (Biology) Pt.-time Lectr.
Angel, Laura N., M.Sc. Jr. Res. Fellow.
Muirhead, Nancy G., M.Sc. Jr. Res. Fellow.

Medicine

(*Vide* also Anat., Bacteriol., Biochem., Bot., Chem., Exper. Med., Pathol., Physics, Physiol. and Zool.)

Division of Medical Studies

Hetzel, K. S., M.D., F.R.C.P. Director.
Beare, F. H., M.D., D.P.M. (Med.) Lectr.
Hone, F. R., B.Sc., M.D. (Med.) Lectr.
Lendon, G. A., M.D., F.R.C.P. (Med.) Lectr.
Southwood, H. M., M.D. (Psych. Med.) Lectr.
..... (Pulmonary Tuberculosis) Lectr.
Grant, R. L. T., M.B., B.S., F.R.A.C.P. (Med. Dis. of Children) Lectr.
6 Tutors in Med.
2 Tutors in Infectious Diseases.
1 Tutor in Pædiatrics.
Grant, A. K., M.B., B.S. Full-time Asst. to the Director.
Angove, R. C., M.B., B.S. Pt. Asst. to the Director

Division of Surgical Studies

Messent, P. S., M.B., M.S. (Surg.) Director.
Hobbs, A. F., M.B., B.S., F.R.C.S. (Surg.) Lectr.

Lendon, A. H., M.B., B.S., F.R.C.S. (Surg.) Lectr.
Hamilton, I. A., M.B., B S., F.R.C.S. (Surg) Lectr.
Lindon, L. C. E., M.B., M.S., F.R.C.S. (Neurosurg.) Lectr.
Tostevin, A L., M.B., B S., D.O. Oxon. (Ophthal. Surg.) Gosse Lectr.
Glynn, R. M., M.B., B.S. (Dis. of Ear, Nose and Throat) Lectr.
Wilson, L. A., M.B., B.S., F.R.C.S. Ed. (Surg. Dis. of Children) Lectr.
Lamphee, A D., M B., B S (Anæsthetics) Lectr.
McCoy, H. A., M.B., B.S. Syd., D M R.E. Camb. (Radiol) Tutor.
6 Tutors in Surgery.
Hunter, R , M.B., B.S. Full-time Asst. to the Director.

Gynæcology

Swift, B. H., M D. Camb., F.R.C S. Ed. Way Lectr.

Obstetrics

Joynt, W. F., M.B., B.S. Melb., D.G O Dub Director.

Public Health and Preventive Medicine

Southwood, A. R., C.M.G., M.D , M.S. Lectr.
McQueen, G. H., M.B., B.S. Melb., D.P H., D.T.M. Syd. Demr.

Clinical Teachers

The Staffs of the Royal Adelaide and of the Children's Hospls.

Dentistry

(*Vide* also Anat., Bacteriol., Biochem., Chem., Pathol., Physiol. and Zool.)

Campbell, T. D., D.Sc., D.D.Sc. Director.
Eustace, J. L., B.D.S. Sr. Tutor.

Lecturers

Laughton, R. A. L. (D. Metall.).
McEachern, A. C., M.B , M.S , F R.C.S (Surg).
Chinner, M. E., M.D. (Med).
Campbell, T. D., D Sc., D.D Sc. (Oral Surg).
Eustace, J. L , B D S (D Mat. Med. and Therapeutics).
Moore, A. P. R., D.D Sc. (D Surg. and Pathol.).
Maddern, C. B., D D Sc. (Prophylaxis and Oral Hyg.)
Wilson, H. M., B D S (Ethics, Econ and D Jurispr)

Instructors

Rice, J D., M B , B S. (Anæsthetics).
Cran, J. A., B.D.Sc. Q'ld. (Radiography).

Crown and Bridge Work

Joyner, M. S., B.D S. Lectr.
2 Demrs.

D. Anatomy

Campbell, T. D , D Sc , D D Sc Lectr.
2 Demrs.

Operative D

Lawrence, G. O., D D Sc. Lectr. and Instr.
8 Tutors and 2 Demrs.

Orthodontics

Begg, P R , D D Sc. Lectr and Demr.

Periodontics

Evans, M. W., D.D.Sc Lectr.
1 Demr.

Prosthetic D.

Edwards, H. T. J., D.D.Sc. Lectr.
Barrett, M J., M.D.S. Asst. Lectr. and Instr.
3 Tutors and 4 Demrs.

Pharmacy

Lipsham, E. F. (Mat. Med., Pharm. and Disp.) Lectr.
Bowey, A. E. Lectr.
Walter, O. H., F.C.A. Aust. (For. and Com. Pharm.) Lectr.

Physiotherapy

Casely, Elma Lectr.-in-charge.
4 Pt-time Lectrs. and 3 Pt.-time Demrs.

Waite Agricultural Research Institute

Prescott, J A., C B.E , D.Sc
Director.

Agricultural Chemistry

Prescott, J. A., C.B.E., D.Sc.
Waite Prof
Piper, C S , D Sc (Soil C) Reader
Best, R J , D Sc Sr Chemist
Gallus, H P C , M.Sc Chemist.
Tyson, A. G , B Sc. Chemist
Lewis, D G , B Sc
Jr. Res Fellow

Agronomy, Grassland Ecology, Plant Genetics

Trumble, H. C , D.Sc.
Waite Prof of Agron.
..... Reader
Pugsley, A. T., M Sc.
Sr Plant Geneticist.
Woodroffe, K , B Ag Sc
Sr. Agronomist
Walker, A. J. K., B.Ag.Sc.
Agronomist.
Tiver, N. S., B Ag Sc.
Grassland Ecologist.
Mayo, G M. E., B.Ag.Sc.
Plant Geneticist.
Butler, P. F., B.Ag.Sc.
Res. Fellow
Abele, K., M A. Riga, Ph.D. Marburg Res. Fellow.
Roark, B. A., B.Sc. W. Aust.
Res. Fellow.

Entomology

Swan, D. C., M.Sc
Sr. Entomologist-in-Charge.
Andrewartha, H. G., D.Sc.
Sr. Entomologist.
Browning, T. O., B.Sc.
Entomologist.
Lower, H. S. F.
Systematic Entomologist.
Madge, P. E., B.Sc. Syd.
Res. Fellow.

Plant Pathology

Adam, D. B., B.Ag.Sc.
Reader-in-Charge.
Flentje, N. T., M.Sc.
Plant Pathologist.
Holloway, B. W., B.Sc.
Plant Pathologist.

Plant Physiology

Milthorpe, F. L., Ph D. Lond , M.Sc Agr. Syd
Sr. Plant Physiologist.
May, L. H., B.Sc.
Plant Physiologist.

Systematic Botanist

Robertson, Enid L , B.Sc

The Elder Conservatorium of Music

Bishop, John Director and Prof.

Pianoforte

O'Connell, R.
Pearce, G.
Horner, J. A., F.R.C.O.
Wylde, H., F.R.C.O.
Leske, C.

Organ

Horner, J. A., F.R.C.O.
Wylde, H., F.R.C.O.

Singing

Williams, C. Q.
Gill, Hilda B.
Howard, Barbara.

Violin

Davies, L.
Gmeiner, Clarice.

Violoncello

Parsons, H. S., Mus.Bac.

Flute

Yelland, K.

Bassoon
Good, J. G.

Clarinet
Martin, C.
Blaylock, A.

Art of Speech
Johnston, F.

Aural Culture and Musical Appreciation
Holder, Alison, Mus Bac.

Animal Products Research Foundation
Marston, H. R., F.R.S. Chairman, Advisory Bd.
Dawbarn, Mary C., M.Sc. Research Chemist.

Tutorial Classes
Biaggini, E. G , D.Litt., Tutor-in-charge, assisted by 23 tutors and 2 study circle leaders.

Anti-Cancer Committee
Hone, F. S., C.M G., B.A., M.B., B.S. Chairman.
Mayo, J. C., M.D., F.R.C.S. Hon. Director, Radiotherapy Clinic.
.....
Registrar, Radiotherapy Clinic.
Close, Rosemary J., M.B., B.S. Asst. Registrar.
Dibden, F. A., M B , B.S. Medical Officer.
..... Neale Res. Pathologist.
Worthley, B. W , B A , M.Sc. Physicist.
Tooze, M. J., B.Sc. Asst. Physicist.

Officers of the Council for Sci. and Indust. Research
The C.S.I.R. Divisions of Statistics and of Biochemistry and General Nutrition are housed in the University grounds, and about 25 C S.I.R. research workers, mainly in the Division of Soils, are accommodated at the Waite Agricultural Research Institute.

ASSOCIATED OR AFFILIATED INSTITUTIONS

RESIDENTIAL: ST. MARK'S COLLEGE, 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. in Ed. Oxon.

ST. ANN'S COLLEGE, for women, open to women of all denominations. Opened for students in March 1947. Principal: Miss F. M. Harding, M.A. N.Z., Ph.D. Edin.

AQUINAS COLLEGE, under the management of the Roman Catholic Church, but open to men of all denominations. Opened for students in March 1950. Rector: Rev. Fr. E. Finn, S.J.

S. AUSTRALIAN SCHOOL OF MINES AND INDUSTRIES. President, Prof. Sir Kerr Grant. Affiliated with the Univ. for the provision of certain courses and examns. in Archit., Mining, Metall., Elect., Mech. and Civ. Engin.

ROSEWORTHY AGRICULTURAL COLLEGE. 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 Victoria Maternity Hospital, 70 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 with endowments of £20,000 each from Sir W. W. Hughes and Sir Thomas Elder and a land grant of 50,000 acres (subsequently repurchased by Govt. for £40,000), as well as a site of 5 acres in the city. The original site was increased to 8 acres in 1920, to 14 acres in 1927, and in 1929 to 27 acres. The Govt. also provides an annual subsidy of 5 per cent on endowments; the subsidy is limited to £40,000. The Council consists of the Chancellor, the Vice-Chancellor, 20 members elected by the Senate and (since 1911) 5 elected by Parliament. The grants have been increased by the State Parliament from time to time and now amount to nearly £140,000, excluding a grant of nearly £40,000 for the Waite Agric. Research Inst. The total value of the endowments is £1,134,286 and the income in 1949 was £291,558.

LIBRARY. Approx. 158,000 volumes. LABORATORIES: Anat., Bact., Biochem., Botany, Chem., Geol., Histol., Pathol., Physics, Physiol., Pharmacol. and Zool. The Univ. includes the *Elder Conservatorium of Music*, which has a teaching staff of 20; it also controls the work of the Observatory and appoints representatives on the Council of the Institute of Medical and Veterinary Science.

SPECIAL RESEARCH DEPARTMENTS. (1) The Waite Agricultural Research Institute, established at Glen Osmond for the purpose of furthering the cause of education and research in Agriculture and allied subjects. (2) The C.S.I.R. Division of Biochemistry and General Nutrition within the University grounds. (3) Field laboratory at Koonamore for investigation of plant regeneration in arid areas. (4) The Sheridan Medical Research Foundation for the support of medical research. (5) The Animal Products Research Foundation, which conducts investigations into problems of animal nutrition, *see* Staff List, *supra*. (6) The Board for Anthropological Research on the aboriginals of South Australia. (7) The Anti-Cancer Committee directs research into the cause, treatment and cure of cancer. (8) The Institute of Medical and Veterinary Science at the Royal Adelaide Hospital.

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. Arts, Science, Law, Medicine, Dentistry, Music, Agric. Science, Engineering.

BOARDS OF STUDIES. Physical Educ.; Social Science; Commerce and Pub. Admin.; Pharmacy; Physiotherapy.

DEGREES. Obtainable after 3 yrs.' course, B.A., B.Sc., B.Ec.; 4 yrs.', B.E., B.Ag.Sc., 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.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.

DIPLOMAS. Pharmacy, 4 yrs.' course; Commerce and Public Administration, evening courses, 4 yrs.; 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 examinations for its degrees and diplomas the Univ. conducts PUBLIC EXAMNS. of various grades in General Education—Intermediate, Leaving, and Leaving Honours and in Music.

FEES. Matriculation, £1 : 1s.; *ad eundem statum*, £2 : 2s.; Admission to Degrees: B.A., M.A., B.Ec., M.Ec., B.Sc., M.Sc., B.Ag.Sc., B.Med Sc., M.D.S., M.E., LL.M., £5 : 5s.; LL.D., M.D., M.S., D.D.Sc., Mus.Doc., D Sc., D Litt, £5 : 5s.; LL.B., £7 . 7s.; B.E., £3 . 3s.; Mus Bac, £5 : 5s; Ph D., £7 : 7s.; Diplomas in Educn., Public Admin., Commerce, Music, Physical Educn, Social Science, Physiotherapy, Pharmacy, £2 2s; F.E.C.M, £5 · 5s.; Degree courses in Arts about £70; Economics about £70; Science about £130; Engineering about £160; Law about £120; Medical, £240 (excluding Hospital, £65, and incidentals, £35); Dental, £250 (plus incidentals, £25); Music, £65; Tuition Conservatorium, £16 : 16s. p.a. minimum.

SCHOLARSHIPS, etc., for graduates. Angas Engineering, £200 p.a. for 2 yrs., not open to graduates of other Univs.; 6 in Arts, each £150 p.a. for 2 yrs.; T. G. Wilson in Obstetrics, £200; several smaller.

RESIDENCE. St. Mark's College for men was affiliated with the Univ. in 1925, St. Ann's College for women in 1939, and Aquinas College for men in 1950.

MEDICAL SCIENCES CLUB. Hon. Sec.—W. A. Dibden, M.B., B.S., 172 North Terrace, Adelaide.

UNIVERSITY UNION. Secretary—K. T. Hamilton, University.

PUBLICATIONS. *Calendar* (April), 3s. 6d. *Degree Examination Papers*, 1948, 2s. *Australian Journal of Experimental Biology and Medical Science*, two-monthly, £1 : 10s. p.a.

THE YEAR 1949

STATE GOVERNMENT GRANT. The outstanding event of the year was the decision of the State Parliament to increase its annual grant to the Univ. by £81,000 from Jan. 1, 1950. The Univ. was thereby enabled to establish 28 new permanent teaching posts, to raise salaries generally throughout the academic staff, and to make much more liberal provision for study leave than it had previously been able to do.

BENEFACTIONS. £3718 from the estate of the late Clarice V. Crocombe and £2052 from the estate of the late R. T. Melrose, for the purposes of the Anti-Cancer Cttee.; £573 from public subscriptions to found a scholp. for the Organ in memory of the late Prof. E. H. Davies; £500 from Miss Gladys L. Thomas to found a scholp. for the Violin; £18,000 from 5 Industrial Cos. for purchase of equipment for Dept. of Mining, Metallurgical and Chemical Engin.

NEW BUILDINGS. The new bldg. for the Depts. of Civil, Electrical and Mining, Metallurgical and Chemical Engin. was almost finished and was occupied by all three Depts.; the new seven-storey Medical Sch. was sub-

stantially completed and will be fully occupied by mid-1950; but progress on the new Geol. School was slow.

NEW DEPARTMENTS AND POSTS. A Dept. of Mathematical Physics, to be staffed as a beginning with a Prof. and a Lectr., was established; the other 26 new posts created were associated with existing depts.

OTHER DEVELOPMENTS. An important agreement was reached with the Minister and the State Dir. of Agric. whereby the "extension" work previously carried out by members of the Waite Institute's staff was transferred to the State Dept., the Inst. thus being enabled to concentrate on fundamental research on agricultural problems.

CHANGES IN REGULATIONS. The Univ. established the degree of Doctor of Philosophy for approved res. carried out within the Univ., the degree of Bachelor of Medical Science for medical students who satisfactorily complete additional work for one year or two in a fundamental medical sci., and the Fellowship of the Elder Conservatorium of Music for distinction as a performer of music. The diploma course in Chiropody was transferred to the South Australian School of Mines and Industries, and the curriculum and regns. for the degree of Bachelor of Music were substantially revised; other changes in regns. were of a minor character.

EXTRA-MURAL WORK. The Jt. Cttee. for Tutorial Classes conducted 7 tutorial classes, 16 lecture classes and 2 study circles at the Univ. and organized series of lectures at 4 large country towns, and Art exhibitions at 5.

VISITORS. Sir Geoffrey Taylor, of Trinity Coll., Cambridge, and the Royal Society; Sir Norman Haworth, Birmingham; Prof. M. L. Oliphant, Birmingham; Prof. K. C. Wheare, Oxford; Prof. H. W. Massey, Univ. Coll., London; and C. P. FitzGerald, an authority on Chinese history and culture, who gave lectures and conducted seminar classes for advanced students, and in some cases gave public lectures. T. Matthews and Miss Eileen Ralf, who conducted a series of "master classes" and gave a series of demonstration recitals for advanced students of the Elder Conservatorium. A British Commonwealth conference on plant and animal nutrition in relation to soil and climatic factors was held in Australia in August and September and was attended by 34 delegates from the United Kingdom, the Dominions and the Colonies and a number of observers, three of whom came from the United States. The first part of the Conference for the presentation of papers was held in Adelaide, where the Univ. provided appropriate facilities. Under the ægis of the Postgraduate Committee in Medicine: The Edward Stirling lectures by K. W. Starr, "Modern Trends in the Surgery of Peptic Ulcer" and "The Principles of Skin Surgery"; "The Psychiatric Approach to General Medicine and Surgery" by Prof. Alexander Kennedy of Durham; "The Contribution of Genetics to Medicine" and "The Changing Emphasis in Medicine" by Prof. F. A. E. Crew, Prof. of Public Health, Edinburgh. Public Lectures by Sir Edward Salisbury on the Kew Gardens; and by Prof. Crew on Biological Aspects of Marriage.

RETIREMENTS. W. J. Isbister, a member of the Council for 44 yrs.; Dr. F. S. Hone, a member of the Council for 29 yrs.; Prof. C. R. Jury, Prof. of English Lang. and Lit., 1946–49; Miss Maude Puddy, a teacher of Pianoforte for 29 yrs.

RESIGNATION. Prof. J. H. B. Tew, Prof. of Economics, 1946–49, on appt. to the Chair of Economics at Nottingham.

DEATHS. Prof. A. L. Campbell, Bonython Prof. of Law since 1926; the Hon. Norman Brookman, a member of the Council apptd. by Parliament;

S. Russell Booth, former Lectr. in Accountancy and Chairman for 16 yrs. of the Board of Studies in Commerce; and Dr. A. E. V. Richardson, former Prof. of Agric. and Dir. of the Waite Agricultural Research Inst.

STUDENTS. Total: 4752; full-time: 2156; pt.-time: 2596; the total includes 1256 women, 306 postgraduates, and 649 at the Elder Conservatorium of Music.

DEGREES. B.A., 72; M.A., 5; LL.B., 12; B.Sc., 111; M.Sc., 14; D.Sc., 2; M.B., B.S., 51; M.D., 8; M.S., 1; B.D.S., 7; M.D.S., 1; B.Ec., 12; B.Ag.Sc, 9; B.E., 57; M.E., 3; B.Sc. (Eng.), 6. *Diplomas*: Education, 21; Commerce, 41; Public Administration, 5; Music, 1; Pharmacy, 17; Physical Education, 8; Social Science, 28; Physiotherapy, 13; Arts and Education, 44; Final Certificate in Law, 6.

THE AUSTRALIAN NATIONAL UNIVERSITY

Founded 1946

Address—Box 4, G.P.O., Canberra, A.C.T.

CHAIRMAN OF THE INTERIM COUNCIL—Prof. RICHARD CHARLES MILLS, O.B.E., LL.M. Melb., D.Sc. Lond.

VICE-CHANCELLOR—Prof. Sir DOUGLAS BERRY COPLAND, K.B.E., C.M.G., M.A., D.Sc. N.Z., Litt.D. Melb., Q'ld. and Harv., LL.D. McG.

REGISTRAR—R. A. HOHNEN, B.Ec. Syd.

LIBRARIAN—A. L. G. McDONALD, B.A. Melb.

ADMINISTRATIVE OFFICER IN THE UNITED KINGDOM—E. H. CLARK, B.A. Melb. *Address*—27 Russell Square, London, W.C.1.

ACADEMIC STAFF

JOHN CURTIN SCHOOL OF MEDICAL RESEARCH

Biochemistry

(This Dept. at present located at the Commonwealth Serum Labs., Melbourne)

Ennor, A. H., D.Sc. Melb. Prof.

Slater, E. C., M.Sc. Melb., Ph.D. Camb. Res. Fellow.

Chemistry, Medical

(This Dept. at present located at the Wellcome Research Institution, London)

Albert, A., B.Sc.Syd., Ph.D.Lond. Prof.

Brown, D. J., M.Sc.Syd., Ph.D. Lond. Fellow.

Microbiology

(This Dept. at present located at the Walter and Eliza Hall Inst of Med. Research, Melbourne)

Fenner, F. J., M.D., B.S. Adel., D.T.M. Syd. Prof.

Pathology, Experimental

Watson, G. M., M.B., B.S. Adel., D.Phil. Oxon. Res. Fellow (at Oxford U.).

RESEARCH SCHOOL OF PACIFIC STUDIES

Anthropology

Nadel, S. F., D.Phil. Vienna, Ph.D. Lond. Prof.

Stanner, W. E. H., M.A. Syd., Ph.D. Lond. (Compar. Social Institutions) Reader.

International Relations

Crocker, W. R., B.A. Adel., M.A. Oxon. Prof.

Oriental Studies

FitzGerald, C. P. Visiting Reader.

Pacific History

Davidson, J. W., Ph.D. Camb. Prof.

RESEARCH SCHOOL OF PHYSICAL SCIENCES

Oliphant, M L. E., B Sc Adel., M A , Ph.D. Camb , LL.D. St. And , D Sc. Melb., F.R.S. Director.

Titterton, E W, Ph.D Birm. (Physics) Prof.

Woolley, R v d R , M.Sc. Cape T., M A , Ph D Camb (Astron) Hon. Prof

Symonds, J L , M.Sc , B.E Syd. Res Fellow

Hibbard, L U , B Sc , B E Syd Res Fellow

Barker, F C., M Sc. Melb. Res Fellow.

Blamey, J. W , M Sc Melb Res Fellow.

Champion, K. S W , B Sc. Syd. Res Fellow

RESEARCH SCHOOL OF SOCIAL SCIENCES

Economics

Swan, T W , B Ec. Syd Prof.

Brown, H. P , B.A. Melb. (E. Stats.) Reader.

History

Borrie, W D., M A N Z. Sr. Res. Fellow.

Law

Sawer, G., LL.M Melb. Prof.

GENERAL INFORMATION

The Australian National University Act was passed by the Parliament of the Commonwealth in 1946. It provides for the establishment at Canberra in the Australian Capital Territory of a University consisting of a Council, Convocation and graduate and undergraduate members. The governing authority of the University is to be the Council consisting of not more than 30 members, 4 of whom are to be elected by Parliament, not more than 8 are to be appointed by the Governor-General, not more than 9 elected by Convocation, 3 are to be elected by the professorial and teaching staff and 2 are to be elected to represent students. The Vice-Chancellor is *ex officio* a member of the Council and other members (not exceeding 3) may be co-opted. Until the Council is constituted, an Interim Council appointed by the Governor-General is responsible for the establishment of the University and the commencement of its functions.

The functions of the Univ. are primarily to encourage and provide facilities for postgraduate research and study, both generally and in relation to subjects of national importance to Australia

The Univ. has decided to establish in the first instance four Research Schools, viz.: (*a*) a School of Medical Research, to be known as the "John Curtin School of Medical Research"; (*b*) a Research School of Physical Sciences; (*c*) a Research School of Social Sciences; and (*d*) a Research School of Pacific Studies.

The income of the Univ. in addition to fees and gifts is to consist of £325,000 per annum appropriated by the Commonwealth Parliament. In addition, funds are made available by the Commonwealth Government for capital outlays; to date a sum of £2,720,126 has been set aside for this purpose.

The Interim Council is advised on academic matters relating to the establishment of the Univ by an Academic Advisory Committee consisting of Sir Howard Florey, F.R.S., Prof. M. L. E. Oliphant, F.R.S., Prof. K. C. Wheare and Prof. R. W. Firth.

On the 204 acres of the Univ. site at Acton, Canberra, it is intended to build the four Research Schools, a common Library, an Administrative Block, University House, houses and flats for the Univ. staff.

In 1951 the Research Schools of Physical Sciences, Social Sciences and Pacific Studies will commence operations in Canberra, as limited accommodation will then be available. Plans for the bldgs. for the John Curtin School of Medical Research are well advanced. Until such time as all members of the Univ. staff are in residence in Canberra, they will work in the Universities and appropriate research institutions in Australia and elsewhere.

The Univ. will consist, on its establishment, of the four Research Schools mentioned above, and plans have been made accordingly. Each School will be headed by a Director, who will be responsible for the correlation of research work within his School. The Professors themselves will be responsible for the organization of their respective depts.

The Interim Council has awarded to date 57 Research Scholps. and 8 Research Fellowships in the Social Sciences.

The Australian National University extends to notable scholars invitations to visit Australia for periods of approx. three months. During the itinerary, the visiting scholar is brought into touch with other research workers in the Australian Universities and research institutions. By this scheme it is hoped to stimulate and assist those research workers engaged in the visiting scholar's particular discipline.

THE YEARS 1948, 1949

NEW BUILDINGS. Work continued on University House (a residential College and club for staff members and students) and the Research School of Physical Sciences. The Univ. also acquired certain accommodation, previously Government offices, which will be used by the Research Schools of Social Sciences and Pacific Studies and also the Univ. Library (which has been assembled in Melbourne). Temporary accommodation for the administrative staff was provided on the Univ. site at Acton, Canberra.

NEW POSTS. No new posts have been created but staff recruitments to complete the establishments of the four Research Schools are proceeding.

VISITING SCHOLARS. Under the Univ's. plan 7 distinguished scholars visited Universities and research institutions and had discussions with research workers in their respective fields. Visiting lecturers were Prof. R. W. Gerard, T. Griffith Taylor, H. S. W. Massey, Sir Geoffrey Taylor, Sir Norman Haworth, C. P. FitzGerald, and Sir Ivor Jennings.

UNIVERSITY OF MELBOURNE

Founded 1853

Address—Carlton, N.3, Victoria.

VISITOR—H.E. THE GOVERNOR OF VICTORIA.
CHANCELLOR—Hon. Sir CHARLES JOHN LOWE, M.A., LL.B.
DEPUTY-CHANCELLOR—Hon. T. D. OLDHAM, LL.B., M.L.A.
VICE-CHANCELLOR—Sir JOHN D. G. MEDLEY, D C L. Oxon., M.A. Oxon. and Melb (Retiring June 30, 1951.)
REGISTRAR—F. H. JOHNSTON, B A., B.Com , J P.
ACADEMIC SECRETARY—J. C. WOODHOUSE, B.A Syd.
ACCOUNTANT—R. P. TEMBY.
ASSISTANT REGISTRAR—A. J. G. WILLIAMS, B.Arch.
LIBRARIAN—LEIGH SCOTT, M.A.

TEACHING STAFF

Accountancy, v. Com.

Agriculture, v. *infra*

Anatomy

Sunderland, S., M.D., B.S., D.Sc , F.R.A C.P. Prof.
Russell, K. F., M.B., M S , F.R.A.C.S. Assoc. Prof.
Ray, L J., M.B., B.S Sr. Lectr.
Larwill, J. A., M.B., B.S. (Embryol. and Histol.) Sr. Lectr.
Lavarack, J. O., M.B., B.S. (Embryol. and Histol.) Sr. Lectr.
Bedbrook, G. M., M.B., B.S. Lectr.
Bradley, K. C., M.B., B S., F.R A.C.S., B.C.E. Lectr.
Swaney, W. E., M.B., B.S. Lectr.
Roche, A. F., M.B., B.S. Lectr.
3 Pt.-time Officers.

Anthropology

Thomson, D. F. F., O.B.E., Dip. Anthrop. Camb. and Syd., D.Sc. Research Fellow.

Architecture

Lewis, B. B., B.Arch., M.A. Liv., F.R.I.B.A., F.R.A.I.A. Prof.
Featherstone, R. E., Dip.Arch. Des. Temp. Sr. Lectr.
Grounds, R. B. Temp. Sr. Lectr.
Berg, R., Dip.Arch.Des. Temp. Sr. Lectr.
Waugh, H. L., Dip.Arch. Temp. Sr. Lectr.
Janeba, F. A., Dip. Arch Vienna Temp. Sr. Lectr.
Eggleston, A. S., F.R.A.I A. (Professnl. Practice and Architect. Econ.) Lectr.
Good, Eileen M. F., Dip.Arch. Lectr.

Evening Staff

Irwin, L., F.R.I.B.A , F.R.A.I.A. Dir. of Atelier.
Scarborough, J. F. D., F.R.I.B.A., F.R.A.I.A. Asst. Lectr. and Demr.
Ward, D. C., F.R.A.I.A. Demr.

Part-time

1 Research Fellow, 11 Lecturers, 2 Tutors.

Bacteriology, v. Med.

Biochemistry

Trikojus, V. M., B.Sc., D.Phil. Oxon., M.Sc. Prof.

Rawlinson, W. A., M.Sc. Assoc. Prof.
Millis, Jean, M.Sc. Sr. Lectr. (Nutrition, Dietetics) Lectr.
Hird, F , M.Agr.Sc. Sr. Lectr.
Cahn, Audrey J., B.Agr.Sc., Dip. Diet. (App Dietetics and Food Preparation) Lectr.
Crabtree, Muriel G , M.Sc. Lectr.
Dickinson, Jean C., M.Sc Sr. Demr.
Pressley, Marjorie E., B.A. Camb. Sr Demr.
Doig, Jean G , M.Sc Sr. Demr.
Springell, P H., B.A Camb. Temp. Sr. Demr.
Neville, Margaret E. S., B.Sc. Demr.
2 Part-time Officers.

Botany & Plant Physiology

Turner, J. S., M.A., Ph.D. Camb., M.Sc. Prof.
McLennan, Ethel I., D.Sc. Assoc. Prof.
Goodall, D. W., B.Sc., Ph.D. Lond., D.I.C., F.L.S. (Botany) Sr. Lectr.
Mathieson, Marjorie J., M.Sc. Lectr.
Cookson, Isabel C., D.Sc. (Research) Lectr.
Fawcett, Stella G. M., M.Sc. Temp. Lectr.
Elliott, C. G., B.Sc. Tas. Actg. Sr. Demr.
Rowan, K. S., B.Sc. Temp. Demr.
Winkworth, R. E., B.Sc. Syd. Temp. Demr.
1 Part-time Officer.

Chemistry, v. also Physiol.

Hartung, E. J., D.Sc. Prof.
Davies, W., D.Sc. Manc. and Melb., D.Phil. Oxon. (Organic C.) Assoc. Prof.
Ampt, G. A., B.Sc. (Analytical C.) Sr. Lectr.
Hambly, A. N., M.Sc., Dip.Ed. (General C.) Sr. Lectr.
Harris, G. M., M.Sc. Sask., A.M., Ph.D. Harv. (Phys. C.) Sr. Lectr.
Cooke, R. G., M.Sc Adel (Organic C.) Sr. Lectr.
Pausacker, K. H., M.Sc., D.Phil. Oxon. (Organic C.) Sr. Lectr.
Pyke, L. R. D., M.A. Oxon., B.Sc., Dip. Ed. Oxon. Sr. Lectr.
Buchanan, A. S., B.Sc., Ph.D. (Physical C.) (on leave) Lectr.
Sugden, Ruth, M Sc. Lectr.
Stephenson, Emily F. M., M.Sc., Ph.D. Glas. (Organic C.) Lectr.
Alexander, Jean L., M.Sc. Sr. Demr.
Lamberton, J. A , M.Sc. Syd. (Organic C.) Sr. Demr.
Brown, R. D., B Sc. (Physical C.) Sr. Demr.
Swaine, D. J., M.Sc. (Anal. C) (on leave) Sr. Demr.
Gillam, D. G., M.Sc. (Inorgan. C.) Sr. Demr.
Andersen, F. I., B.Sc. Q'ld. Sr. Demr.
Craig, R. A., B.Sc. (General C.) Sr. Demr.
O'Donnell, T. A., M Sc. Temp. Sr. Demr.
Bradbury, J. H., B.Sc. Temp. Sr. Demr.
Klein, Eva R., M.Sc. Temp. Sr. Demr.
3 Part-time Officers.

Classical Philology

Scutt, C. A., M.A. Camb. and Melb. Prof.
Hunt, H. A. K., M.A. Oxon., B.A. Syd., Dip.Ed. Assoc. Prof.
Gellie, G. H., M.A., B.Ed. Lectr.
Alcock, P. B., B.A. Camb. and Syd. Lectr.
2 Pt.-time Officers.

Commerce

Wood, G. L., M.A. Tas., Litt.D. [Prof.
Foenander, O. de R., LL.M., Litt.D. (Industrial Relns.) Sr. Lectr.
Goldberg, L., B.A., M.Com. (Acctcy.) Sr. Lectr.
Bayne, Mary M., M.A., Dip.Ed. (Econ. Geog.) Lectr.
Wilson, R. K., M.A. Lond. (Econ. Geog.) Lectr.
Kerr, Jean S., B Com. (Acctcy.) Lectr.
Stewart, W. J., B.A., B Com. (Acctcy.) Lectr.
Donath, E. J., M.A. Vienna (Econ. Geog.) Sr. Tutor.
Lengyel, S. J., M Ec., Dip.Ed. Temp. Research Officer.
Grobtuch, Alicia, B.A. Beirut Temp. Research Officer.
14 Part-time Officers.
21 Temp. Tutors

Dentistry, v. Affiliated Colls.

Dutch

Samuel, R. H , D.Phil. Berlin, Ph.D. Camb. Sr. Lectr.
Smit, J., Litt.D. Utrecht Lectr.
Kijlstra, H. E., B.A. Amsterdam Temp. Lectr.
Miller, J. F., B.A., B Ed. (on leave) Tutor.

Economics, v. also Com.

Prest, W., M.A. Leeds, M.A.Com. Manc., M.Com. Prof.
Weller, G. A., B.Sc. (Econ.) Lond., B.Com. Sr. Lectr.
Polglaze, Muriel J , M.Com. Sr. Lectr.
Hocking, D. M., B A. Sr. Lectr.
Karmel, P. H., B.A., Ph.D. Camb. Sr. Lectr.
Isaac, J. E., Ph.D. Lond., B. Com. Sr. Lectr.
Cochrane, D., B.Com., Ph.D. Camb. (Math. Econ.) Sr. Lectr.
Dunsdorfs, E., D.Ec. Riga Temp. Lectr
Temporary Senior Tutors
Trewhella, Nancy J., B.Com.
Drake, Joan F., B.A., B.Com.
8 Pt.-time Officers.

Economic History

La Nauze, J. A , M.A. Oxon. Prof.
Cairns, J F , M Com Lectr.
Dunsdorfs, E., D Ec. Riga Temp. Lectr.
Egerton, R A. D., B.A (on leave) Sr. Tutor.
Tucker, G. S. L. Actg Sr. Tutor.
Mitchell, Anne McK., B.Com. Temp. Sr. Tutor.
2 Pt.-time Officers.

Economic Research

Stevens, S. P., D.Ec Vienna Res Officer.
Dunsdorfs, E., D.Ec. Riga Res. Officer.

Education

Browne, G. S., M.C., M.A. Oxon. and Melb., Dip.Ed. Oxon., Lond. and Melb. Prof.
Wyeth, E. R., B.A., Dip.Ed. Q'ld., Ed.D. California, M Ed. Sr. Lectr.
Connell, W. F., M.A., M.Ed., Ph.D. Lond. Temp. Lectr.
Dewhurst, Irene E., B.Sc., B.Ed. Temp. Lectr.
Cartwright, R. (Educn.) Temp. Lectr.
Battersby, Olive, B.A. Sr. Tutor and Librarian.
20 Part-time Lecturers.

Engineering, v. also Agric., *infra*

Matheson, J. A. L., M.B.E., M.Sc. Manc., Ph.D. Birm. (Civ. Eng.) Prof.
Moorhouse, C. E., B.Mech.E., M.E.E. Prof.
Henderson, P. L., Ph.D. Camb., M.E. Syd. (Mech. Eng.) Prof.

Rennie, E. J. C., M.E. Adel., M.Mech.E. (Mech. Eng. & Aerodyn.) (Actg.) Prof.
Sexton, C. W. N., M.C.E. (Civ. E.) Assoc. Prof.
Brasch, H. D., Dipl.Mech.E. Berlin, D.Ing. Dresden, M.Mech.E. (Machine Design) Sr. Lectr.
Wood, J. V., B C E., Dip.C.E. (Civil Engin. Design) Sr. Lectr.
Laszló, F , Dr.Ing. Darmstadt, Dipl.Ing. Budapest (Strength of Materials, Theory of Structures) Sr. Lectr.
Lees, D. W., B.Mech.E. (Eng. Design) Sr. Lectr.
Ferguson, A E , B E E. (Elect. Eng.) Sr. Lectr.
Brownlee, T , B.Sc. (Elect. Eng.) Glas. (Elect. Eng.) Sr. Lectr.
Gaze, G. C., B A., B.Mech.E. (Mech. Eng.) Sr Lectr.
Hunt, K. H , M.A. Oxon. (Mech. Eng.) Lectr.
Brooke, M. S., B Mech.E. (Mech. Eng.) Lectr.
Brown, G., M S , F.R.C.S., F.R.A C.S. (First Aid) Lectr.
Roberts, C. G., M C , B.Sc. (Eng.) Lond. (Roads & Streets) Lectr.
Vasey, G. H., B.C.E. (Mech. Eng.) Lectr.
Coldicutt, Elizabeth B., M.Sc., Dip.Ed. Sr. Demr.
Price, R. C. (Elect. Eng.) Sr. Demr.
Williams, R. A. (Elect. Eng.) Sr. Demr.
Good, Eileen M. F., Dip.Arch. (Graphics) Sr. Demr.
Rogers, P. L., B.Mech.E. Sr. Demr.
Williams, J. E., B.Mech.E. Sr. Demr.
Campbell, D. W. (Machine Tools) Demr.
Bidgway, C. V. (Heat Engines) Demr.

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.
Scott, W. A. G., B.A., B.Litt. Oxon. Sr. Lectr.
Hope, A. D., B.A. Syd. and Oxon. Sr. Lectr.
Jennings, Vera C., M.A. Lectr.
Dobson, T. P., B.A. Lectr.
Thwaites, M. R., M.A., B.Litt. Oxon. Temp. Lectr.
Newton, Deborah, B.A. Temp. Lectr.
Gibson, Leonie J., B.A. (on leave) Sr. Tutor.
Tennent, Amy G. C., M.A., Dip. Ed. Sr. Tutor.
O'Keefe, Mary T. Sr. Tutor.
McMahon, C. W. Sr. Tutor.
Marks, R. E., B.A. Sr. Tutor.
Cowling, Muriel M., B.A. Leeds, Dip.Ed. Sr. Tutor.

Fine Arts

Burke, J. T. A., M.A. Lond., Yale and Melb. Prof.
Philipp, F. A., B.A. Asst. Lectr.
1 Pt.-time Officer.

Forestry

Chinner, J. H., B.Sc. Sr. Lectr.-in-charge.
9 Pt.-time Officers.

French, etc.

Chisholm, A. R , B A. Syd. and Melb. Prof.
Karagheusian, V. N. T. Sr. Lectr.
Sussex, R. T., D. de l'U. Paris, M.A., LL.B. Sr. Lectr.
Canart, P. L. J. G., B.A. (on leave) Lectr.
Smith, I., B.A. Lectr.
4 Pt.-time Officers.

General Science

Buchdahl, G., B.A. Sr. Lectr.
Dyason, Diana, M.Sc. Lectr.

Geology and Mineralogy

Hills, E. S., Ph.D. Lond., D.I.C., D.Sc. Prof.

Tattam, C. M , Ph D. Lond., Sc.D. Colo. Sch. Min., B.Sc. Assoc. Prof.
Teichert, C., Ph.D. Königsberg, D.Sc. W.A. (Palæontol.) Sr. Lectr.
Hauser, H. B , M Sc. Lectr
Gaskin, A. J., M.Sc. Seismologist.
Wilcock, A. A , B Sc., B.Ed. (Geography) Lectr.
Kenley, P. R. Asst. Lectr.
Mann, J. S. Demr.
Corbett, Margaret A. Temp. Demr.
Finlay, Cecily, B Sc. Syd. Research Asst.
1 Pt.-time Officer.

Germanic Languages

Samuel, R H , D Phil Berlin, Ph D. Camb. Sr. Lectr.
Coverlid, Dorothea R , M.A., Dip.Ed. (German) Sr. Lectr
Wiemann, H., M.A. (German) Lectr.
van Abbé, D M , M.A. Camb (German) Lectr.
Smit, J , Litt D. Utrecht (Dutch) Lectr.
Kijlstra, H. E., B.A. Amsterdam (Dutch and Icelandic) Temp. Lectr.
7 Pt.-time Officers.

History

Crawford, R. M., B.A. Syd. and Oxon., M A. Prof.
Fitzpatrick, Kathleen E., M.A. Oxon., B.A. Assoc. Prof.
Harper, N. D., M.A., B.Ed. Sr. Lectr.
O'Brien, J. L., B.A. Camb. and Syd. Sr. Lectr.
McBriar, A. M., D.Phil. Oxon., B.A. Sr. Lectr.
Ericksen, R. F. S., B.A. Lectr.
Baragwanath, L. E., B.A. (on leave) Lectr
Burns, A. L., M.A. Lectr.
Main, J. M., B.A (on leave) Lectr.
Philipp, June M., B.A. Actg. Lectr.
Ingham, S. M., B.A Actg Lectr.
Adam, L., LL.D. Greifswald, F.R.I.A. Temp. Lectr.
Williams, C. M., B.A Asst Lectr.
Kiddle, Margaret, M A., Dip Ed. Sr. Tutor.
Thomson, Ailsa G., B.A. Temp. Sr. Tutor.
Mulvaney, D. J , B A. Temp. Sr. Tutor.
Nadel, G. H., B.A. Temp. Sr. Tutor.
Inglis, K. S. Temp Sr Tutor.
Groves, M. C. Temp Sr. Tutor.
Mackie, J. A. C Temp. Sr Tutor.
2 Pt -time Officers

Journalism

Sawer, G , LL M. (Law affecting Journalism) Lectr.

Law, v. *infra*

Mathematics, Pure and Mixed

Cherry, T. M., Ph D. Camb., B A. Camb. and Melb. (on leave) Prof.
Love, E. R., Ph.D. Camb., B.A. Camb. and Melb. Actg. Prof.
Schwerdtfeger, H. W. E., Dr.Phil. Bonn Sr. Lectr.
Behrend, F. A., Ph.D. Berlin, Sc.D. Prague Sr. Lectr.
Syer, F. J. D., B.A., Dip.Ed. Sr. Lectr.
..... Sr. Lectr.
Hutton, Eleanor S., B.A. Camb., B.Sc. W.A Lectr.
Lester, Margaret, B.A. (on leave) Lectr.
Gani, J., B.Sc. Lond., D.I.C. Lectr.
Bowen, E. W., B.A., B.Sc. Sr. Tutor.
Chew, V., B.Sc. W. Aust. Sr. Tutor.

Upton, C. J. F., B.A. Oxon. Sr. Tutor.
2 Pt.-time Officers

Medicine, v. *infra*

Metallurgical Research

Greenwood, J. N., D.Sc Manc. and Melb., M.Met.E. Prof.
Wood, W. A., D.Sc. Lond., F.I.P. Sr Res. Fellow.

Metallurgy

Worner, H. K , D Sc , F.I M. Prof.
Kamm, R L., M A. Princet., Sc.D. Mass. Inst Tech. (Phys. Metall) Sr Lectr.
Willis, G M , M Sc. (Chemical Metall.) Sr. Lectr.
Smith, R., B.Met.E. (Metallography) Lectr.
Guérin, B. D., Dip Chem. (Assaying) Lectr.
Wallace, Jacqueline, B.Sc. Sr. Demr.
Hoggart, J. S., B Met.E. Sr. Demr.
Coe, H C., B.Met.E. Sr. Demr.

Meteorology

Loewe, F., Ph.D. Berlin Sr. Lectr.-in-charge (Commonwealth).
Treloar, H. M., B Sc. Adel., LL.B., D.Sc., F.I.P. Res. Officer (Commonwealth).
Radok, U., B Mech.Eng Munich Res. Officer (Commonwealth).
Albrecht, F., Ph.D., Dr. Habil. Berlin Res. Officer (Commonwealth).
Grant, Alison M., M.Sc. Res. Asst.

Mining [Assoc. Prof.

Dunkin, H. H., B.Met.E.

Music

Heinze, Sir B. T., F.R.C.M., Degré Sup. Schola Cantorum, Paris, M.A., Mus.Doc. W. Aust., LL.D. Br. Col. Ormond Prof.

Philosophy

..... Prof.
Gasking, D. A. T., M.A. Camb., B.A. Liv. Sr. Lectr.
Jackson, A. C., M.A. Sr. Lectr.
Falk, W. D., M.A. Oxon., Ph.D. Heidelberg Sr Lectr.
Warren, Olga M., M A Lectr.
Orr, S. S., M.A. Belf. Lectr.
Baier, K. E. M., M.A. (on leave) Lectr.
Sawers, R , M.A. Oxon. Actg. Lectr.
5 Pt.-time Officers.

Physics

Martin, L H., Ph.D. Camb., F.I.P. Prof.
Hercus, E. O., M.Sc. N Z., D.Sc., F.I.P. Assoc Prof.
Mohr, C. B. O., Ph.D. Camb., F I.P. Assoc. Prof.
Bower, J. C., M.Sc., Ph.D. Camb., F.I.P. Sr Lectr.
Hopper, V. D., M.Sc., F I.P. Sr. Lectr.
Rathgeber, H. D., D.Ing. Stuttgart Sir Thomas Lyle Research Fellow.
Kannuluik, W. G., D.Sc. Lectr.
Cherry, R. O , M.Sc. Lectr.
Dunbar, D. N. F., M.Sc. N.Z. Lectr.
Allen, Natalie C. B., M.Sc. Lectr.
Nelson, Edith A , M.A., M.Sc. Lectr.
Darby, J F. G , M.Sc. (on leave) Temp. Lectr.
Hirst, F., M.Sc. Temp. Lectr.
Laby, Jean E., B.Sc. Sr. Demr
Abbey, R. L., M Sc. Sr. Demr.
Dyer, A. J., M.Sc. Sr. Demr.
McDonell, J. A., B A., B.Sc Sr. Demr.
Norman, J. R., B.Sc. Sr. Demr.
Parry, J. K., B.Sc. Sr. Demr.
Officer, V. C., M.Sc. N.Z. Sr. Demr.
Digby, Norma G., B.Sc. Temp. Demr.

Ward, Gillian B., B.Sc. Temp. Demr.
McKenzie, Eunice D., B.Sc. Temp. Demr.

Physiology

Wright, R. D , M.B., M S., D.Sc., F.R.A.C S , F R.A C.P. Prof.
Shaw, F. H., Ph.D. Lond., M.Sc. (Pharmacol.) Assoc. Prof.
Reid, G., M.D., B.S. Sr. Lectr.
Agar, W. T., B.Sc. Oxon. and Melb., M.B., B.S. Sr. Lectr.
Trethewie, E. R., D.Sc , M.D., B.S. Sr. Lectr.
Keogh, Patricia P., M.Sc. Temp. Lectr.
Brewster, Blanche L., B.Sc. Sr. Demr.
Hutchinson, Margaret Sr. Demr.
Ludemann, Delys, B Sc., W. Aust. Sr. Demr
Shankly, K. H., B.Sc. Sr. Demr.

Political Science

Ball, W. M., M.A. Prof.
Richmond, N. M., B.A. Oxon. and N.Z. Sr. Lectr.
Ward, E. E., M.A. Sr. Lectr.
Churchward, L. G., M.A., Dip.Ed. Lectr.
Davies, A. F., B.A. (on leave) Lectr.
Wolfsohn, H. A., B.A. Lectr.
2 Part-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. N.Z., Ph.D. Lond. (on leave) Sr. Lectr.
Buckle, D. F., M.B., B.S., D.P.M. Lond. Sr. Lectr.
Lafitte, Paul, B.Sc. Lond. Sr. Lectr.
Hammond, S. B., B.A. W.A. Sr. Lectr.
Maddox, H., B.A. Lond. Lectr.
Emery, F. E., B.Sc. W.A. Lectr.
Langley, P. D., B.A. W. Aust., B.Ed. Lectr.
Ryan, Cecily, B.A. W Aust. Sr. Tutor.
Middleton, Margaret R., B A. Sr. Tutor.
Lyle, J. G. B. Sr. Tutor.

Tutors

De La Lande, Margaret B., B.A.
Leaper, Patricia M., B.A.
Jeffrey, A. C., M.B., B.S., B.Sc.
Grosser, Barbara J., B.A.
Lassock, E. D.
Malcolmson, Elizabeth A., B.A.
Murphy, L. J.
Oppenheim, A. N.
Scott, Cleo H , B.A.
Scott, D. J., B.A.
Scott, Wilma A., B.A.

Research Assistants

Katz, F. M., B.A.
Morey, D , B.A.
Sharp, G B , B.A
14 Part-time Officers

Pub. Health, v. Med., *infra*

Russian

Christesen, Nina, B.A. Q'ld. Lectr.
Christa, B., B.A. Camb. Lectr.
Yashounsky, Margot E. Sr. Tutor.
2 Pt.-time Officers.

Semitic Studies

Goldman, M. D., Ph.D. Berlin, M.A. Prof.
Gurewicz, S. B., B.A., LL.B. Asst. Lectr.
2 Pt.-time Officers.

Social Studies

Hoban, Eileen R., B.A., B.Com., Dip. Ed., Cert. Soc. Sc. & Adm. Lond. Director.
Livingstone, A. S., B.A. (on leave) Lectr.
Rennison, Gwendoline A., M.A. Camb., Cert. Soc. Sc. & Adm. Lond. Lectr.

McBriar, Laurie R. C., B.A. Lectr.
Hyde, Alice, Dip. Soc. Stud. Liv. Lectr.
9 Pt.-time Officers.

Statistics

Belz, M. H., M.Sc. Camb., B.Sc. Syd., M.A. Assoc. Prof.
Bennett, J. H., B.Sc., B.A. Sr. Tutor.

Surveying

Thornton-Smith, G. J., B.Surv. W.A , B.E., M.C.E. (on leave) Assoc. Prof.
Buley, J. V., B.Sc. Sr Lectr., Actg. Hd. of Dept.

Veterinary Science, v. *infra*

Zoology

Tiegs, O. W., M.Sc. Q'ld. and Melb., D.Sc. Adel., F.R.S. Prof.
Clark, A. M., M.Sc. Sr. Lectr.
Drummond, F. H., B.Sc. W.A., Ph D. Lond. Sr. Lectr.
Boardman, W., M Sc Syd. Sr. Lectr.
Willis, A. G., M.Sc. Wales Sr. Lectr.
Gunson, Mary M., M.Sc. Sr. Demr.
Mollison, Essie L., M.Sc. Sr. Demr.
Liddell, Jean J., B.Sc. Syd. Sr. Demr.
Richards, Joyce R., M.A. N.Z. Sr. Demr. and Margaret Catto Scholar.
1 Part-time Officer.

Agriculture

v. also Bot., *supra*

Wadham, S. M., M.A. Camb. and Melb., Agr.Dip. Camb. Prof.
Leeper, G. W., M.Sc. (Agr. Chem.) Assoc. Prof.
Vasey, G. H., B.C.E. (Agric. Engin.) Sr. Lectr.
Aitken, Yvonne, M.Agr.Sc. Lectr.
McIntyre, A. J., M.Agr.Sc. Research Officer.
Hayes, K. W. Research Asst.
7 Lecturers (Part-time Officers).

Law

Friedmann, W. G., LL.D. Lond., Dr.Jur. Berlin, LL.M. (Public Law) Prof.
Paton, G. W., B.A., B.C.L. Oxon., M.A. (Jurispr.) Prof.
Turner, A. L , B A., LL.M. Sr. Lectr.
Ford, H. A. J., LL.M. Sr. Lectr.

Independent Lecturers

Gilbert, R. L , B.A , LL B. (Contracts, etc.).
Adam, A. D. G., B.A., LL.B. (Land, etc.).
McInerney, M. V., M.A., LL.M. (Proced. & Evidence).
Phillips, P. D., M.A., LL.B., K.C. (Priv. Int. Law).
Lush, G. H., LL.M. (Merc. Law).
Menzies, D. I., K.C., LL.B. (Company Law).
Newton, H. R., LL.M. (Executors & Trustees).
Gowans, U. G. J., K.C., LL.B. (Ind. Law).
Emmerson, K. A. M , B.A., LL.B. (Taxation).
Gubbins, F. R., LL.B. (Professional Conduct).
Doherty, J., LL.B. (Accounts).
Joske, P. E., K.C., M.A., LL.M. (Domestic Relations).
Derham, D. P., M.A., LL.M. (Const. Law II) (Actg.),
Fox, P. M. (Conveyancing).
..... Tutor.
Coghill, E. H., LL.M. Tutor.
Derham, D. P., B.A., LL.M. Tutor.
Crockett, W. C., LL.M. Tutor.

Tutors in Drafting & Conveyancing

Ness, K. A.
Birch, F. L.

Wardle, H. N.
Joseph, M. H.
Pearce, A. D.
Frost, S. T., LL.M. (Contract).
Harris, W. O., LL.M. (Contract).
Blake, Airlie, LL.B (Contract).

Tutors in Mercantile Law

Murray, B. L., LL B.
Harris, C. W., B.A , LL.B.
Martin, T. W., LL.B.

Tutor in Intro. to Legal Method

Maher, F. K. H., B.A., LL.B.

Tutor in Tort

Mornane, J. W. J., B.A , LL.M.

Medicine

(for subjects of first 3 yrs.—Anat., etc., v. *supra*)

Anæsthetics

Kaye, G. A., M.D., B.S., D.A. Lectr.

Bacteriology

Rubbo, S. D , Ph.D., Dip.Bact. Lond., B.Sc., M.B., B.S. Prof.
Gray, D. F., D.Sc. Q'ld., B.V.Sc. Syd., Dip.Bact. Lond. Sr. Lectr.
Hayward, Nancy J., Ph D. Lond., M.Sc. Sr. Lectr.
Paine, H. N., B.S. Chicago Lectr.
Keogh, Barbara, M.Sc. Sr. Demr.
Gibson, F. W. E., B.Sc. Sr. Demr.
Mushin, Rose, M.Sc. Sr. Demr.

Public Health Laboratory

Wilson, M. M., M.B., B.Chir., M.A. Asst. Dir.
Swaby, L. J., B.Agr.Sc. Sr. Bacteriologist.
Huybers, K. A., M.B., B.S. Q'ld. Bacteriologist.
Jones, Lorna O., B.Sc. Bacteriologist.
Merrifield, Enid Bacteriologist.
Grant, Dora Bacteriologist.
Sievwright, Constance, B.Sc. Bacteriologist.
6 Part-time Officers.

Diseases of Children

Southby, R., M.D., B.S., F.R.A.C.P. Lectr.

Experimental Medicine

Burnet, F. M., Ph.D. Lond., Sc.D. Camb., D.Sc. W.A , M.D , F.R.A.C.P., F.R S. (on leave) Director, Walter & Eliza Hall Research Institute, Prof.
Edney, Jean M., B.Sc. Haley Research Officer

Forensic M

Bowden, K. M , M.B., B.S. Lectr.

Mat. Med. and Pharmacy

Stanton, B. L., M.B., M S. Lectr.

Medical Ethics

Dickson, C. H., M.B., B.S. Lectr.

Medicine

Hayden, J. G., M.D., B.S. Stewart Lectr.
King, W. E., M.D., B.S. Stewart Scholar (Lectr.).

Medicine, Clinical, and Clin. Surg.

MacCallum, P., M.C., M.A N.Z., M.Sc. N.Z. and Melb., M.B., Ch.B., D.P.H., F.R.A.C.P. Hon. Actg. Director and Prof.
Staffs of the Royal Melb., Alfred, Women's, St. Vincent's and Children's Hospitals.

Obst. and Gynæc.

Johnstone, J. W., M.B., M.S., D.G.O., F.R.A.C.S., F.R.C.O.G. Actg. Prof.
Townsend, S. L., M.B., B.S., F.R.C.S.Ed., F.R.A.C.S., D.T.M. & H. Sr. Lectr.
Campbell, Kate I., M.D., B.S. (Infant Welfare) Lectr.

Hill, A. M., M.D., B.S., D G.O., F.R.C S.Ed., F.R.C.O.G. Thalia Roche Demr.

Pathology

MacCallum, P., M.C., M.A., M.Sc. N.Z. and Melb., M.B., Ch.B., D.P.H. Edin., F.R A.C.P. Prof.

Heinz, I. C., M B., B S., F.R.A.C.S. Sr. Lectr.

Rose, W. McI., M.D., B.S. Sr. Lectr.

Pound, A. W., B.Sc , M.B., B.S. Res. Officer.

Forbes, J. A., M.B., B.S. Lectr.

Part-time Officers

King, W. E., M.D., B.S. Stewart Lectr.

Robinson, B. J., M.D., B.S. Lectr. & Demr.

Hicks,, J. D., M.B., B.S. Lectr. & Demr.

Christie, G. S., M.D., B.S. Lectr. & Demr.

Grice, K. J., M.D., B.S. Lectr. & Demr.

Bettinger, H. F., M.D. Breslau Lectr. & Demr.

Duffy, D. G., M.D , B.S. Lectr. & Demr.

Reid, S. F., O.B.E., M.B., M.S. Lectr. & Demr.

Brown, J. G., M.B., M.S. Lectr. & Demr.

Burnside, K. B., M.B., B.S. Lectr. & Demr.

Williams, A. L., M.B., B.S. Lectr. & Demr.

Witts, L. B., M.B., B.S. Lectr. & Demr.

Doig, R. K., M.B., B.S. Lectr. & Demr.

Cox, L. B., M.D., B.S. (Neurological P.) Hon. Lectr.

Webster, R., D.Sc., M.D., B.S. (Pathol.) Hon. Lectr.

Public Health

Dale, J., O.B.E., B.Sc. (Pub. Health), M.D., Ch.B. Birm. Lectr.

Radiology

Crisp, E. R., M.D., B.S., D.M R.E. Camb. Lectr.

Mackay, A. J. G., M.B., B.S. Lectr.

King, J. L., D.M.R.E. Camb., M.B., B.S. Lectr.

Surgery

Coates, A. E., M.D., M.S. Stewart Lectr.

Burnside, K. B., M.B., B.S., F.R.C.S., F.R.A.C.S. Stewart Scholar

Trumble, H. C., M.C., M.B., B.S., F.R.C.S., F.R.A.C.S. Guy Miller Tutor

Therapeutics

Penington, G. A., M.D., B.S. F.R.A.C.P. Lectr

Springthorpe, G. H., M.B., B.S. Lectr

Hughes, J. F., M.D., B.S., D.T.M Lectr

Venereal Diseases

Melville, C. B., M.B., B.S., F.R.C.S., F.R.A.C.S. Lectr.

Hardy, C. W. K., M.B., B.S. Lectr.

Mortensen, H. N., M.B., M.S., F.R.C.S.Ed., F.R.A.C.S. Lectr.

Clinical Supervisors in Hospitals

MacCallum, P., M.C., M.A. N.Z., M.Sc. N.Z. and Melb., M.B., Ch.B., D.P.H., F.R.A.C.P. Prof., Hon. Actg. Dir.

Ogilvy, I. H., M.B., B.S. (Royal Melb. Hosp.).

Garlick, H. W., M.B., B.S. (Royal Melb. Hosp.).

Newing, R. K., M.B., B.S. (St. Vincent's Hosp.).

Johnston, C. H., M.B., B.S. (Alfred Hosp.).

Cordner, E. P., M.B., B.S. (Alfred Hosp.).
Connaughton, M., M.B., B.S. (Women's Hosp).
Blaubaum, P. E., M.B., B.S. (Children's Hosp).

Physical Education

Duras, F., Dr.Med. Freiburg, M Ed. Sr Lectr -in-charge.
McConchie, Lorna J., Dip.Phys. Ed. Lectr.
Gill, Eunice, B.A., Dip.Phys.Ed. Temp. Lectr.
19 Pt.-time Officers.

Veterinary Science

Albiston, H. E., D.V.Sc. Director.
Pullar, E. M., M.V.Sc Sr. Vet. Res. Officer.
Swift, Norma H., B.Sc. Bacteriologist and Biochemist.
Gorrie, C J R., B V.Sc. Vet. Res. Officer.
Garland, Minnie E., B Sc., Dip. Diet. Milk Bacteriologist.
Cornish, Elizabeth C., B Sc. Milk Bacteriologist.

ADMINISTRATIVE OFFICERS

UNIVERSITY OFFICE. Dean of Graduate Studies and Overseas Students Branch, J. S. Rogers, M.C., B.A., Dip.Ed., D.Sc. Head of Science and Medical Section, F. G. Elford, B.Sc., B.Ed. Secretary of Schools Board, W. V. Aughterson, Ph.D. Lond., M.A. Clerk of Students' Records, E. Finn. Clerk of Public Examinations, F. H. Johnston. Administrative Assistants, W. E. F. Berry, B.A., B.Com., B. C. J. Meredith, O.B.E., B.A., Dip.Ed. ; E. J. P. Clayfield, B.Sc. ; J. Deeble, B.Sc. ; J. E. Warfe, M.A , Dip.Ed. ; N. H. Olver, M.Sc. Research Secretary, ... Sub-Accountant, R. A. Cumming, B.Com. Maintenance Officer, S. W. Gray.

LIBRARY. Assistant Librarian, K. A. Lodewyckx, B.A.

UNIVERSITY PRESS. Manager and Secretary, G. F. James, M.A. Birm. Assistant Reader, Barbara M. Ramsden, B.A.

CONSERVATORIUM OF MUSIC. Secretary, I. P. Fiddian.

EXTENSION COMMITTEE. Secretary, G. H. Vasey, B.C.E.

VISUAL AIDS CENTRE. Director, N. H. Rosenthal, B.A., B.Sc.

APPOINTMENTS BOARD. Secretary, H. F. Downes, Dip.Com.

GUIDANCE OFFICE FOR EX-SERVICE STUDENTS. Guidance Officer, D. W. Smith.

UNIVERSITY UNION. Warden of Union House, R. R. P. Barbour, B.A. Q'ld., M.A. Oxon. and Melb. Secretary, Edith C. Cameron.

SPORTS UNION. Secretary, E. C. Crawford.

RESIDENTIAL COLLEGES—Controlled by representatives of the Churches but open to members of all religious denominations :

TRINITY COLLEGE (Church of England). Warden, R. W. T. Cowan, B.A. Adel., M.A., B.Litt. Oxon., M.A. Dean, A. G. L. Shaw, M.A. Oxon., B.A. Principal of Janet Clarke Hall, Miss Enid Joske, M.A., Dip.Ed. 24 other Tutors.

ORMOND COLLEGE (Presbyterian). Master, S. L. Prescott, M.Sc. Manc. Vice-Master, P. A. Seymour, M.A. Oxon. and Melb. 18 other Tutors.

QUEEN'S COLLEGE (Methodist). Master, R. C. Johnson, M.A. Oxon., D.Sc. Lond. and Melb., Ph.D. Lond. 17 other Tutors.

NEWMAN COLLEGE (R.C.). Rector, V. Rev. J. M. Murphy, M.A. Dean, Rev. B. Buxton. Superior of St. Mary's Hall, Mother Francis. 21 Tutors.

UNIVERSITY WOMEN'S COLLEGE (undenom.). Principal, Miss Myra E. Roper, M.A. Camb., Dip.Ed. Lond. 9 Tutors.

OTHER AFFILIATED INSTITUTION

AUSTRALIAN COLLEGE OF DENTISTRY (Faculty of Dental Science). Principal, A. B. P. Amies, C.M.G., D.D.Sc., D.L.O., F.R.C.S., F.R.A.C.S., F.D.S.R.C.S., F.R.S., F.A.C.D., Prof. (Dean of Fac.); C. H. Down, D.D.Sc., F.D.S.R.C S., Prof., Conservative Dental Surgery, Dental Anat.; W. J. Tuckfield, D.D.Sc., Sc.D. North-western, F.D.S.R.C.S., F.A.C.D., Actg. Prof., Dental Prosthesis, Clinical Photography; K. T. Adamson, D.D.Sc., Sr. Lectr., Orthodontia; R. G. Williams, D.D.Sc., Sr. Lectr., Periodontia; Prof. H. K. Worner, D.Sc., Dental Metallography and Non-Metallic Materials; V. T. Sealey, D.D.Sc., Oral Surgery; R. W. Shepherd, M.D.Sc., Sr. Lectr., Dental Prosthesis; J. L. Warren, B.D.S., Sr. Lectr., Conservative Dental Surgery; G. Kaye, M.D., B.S., D.A., F.F.A.R.C.S., Sr. Lectr., General Anæsthesia; M. C. Davis, M.D., B.S., F.R.A.C.P., Lectr., Medicine; A. J. Trinca, F.R.C.S., F.R.A.C.S., and J. C. Stewart, F.R.C.S., F.R.A.C.S., Lectrs., Surgery; C. H. Hearman, D.D.Sc., Lectr., Prev. Dent. and Dietetics; C. R. Newbury, M.D.Sc., Lectr., Dental Embryol. and Histol.; A. R. Docking, M.Sc., Lectr., Dental Metallog. and Non-Metallic Materials; P. E. Joske, M.A., K.C., LL.M., Lectr., Dental Jurisprudence; F. H. Gaunson, B.D.Sc., Lectr., and R. M. Gillies, B.D.Sc., D.D.S., Lectr., Practice Management; Prof. A. B. P. Amies (v. *supra*), Oral Pathol. and Oral Surg., General Anæsthesia, Dental Materia Medica and Therapeutics.

GENERAL INFORMATION

The Univ. was founded in 1853 by Act of the Victorian Legislature. In 1949, total receipts amounted to £1,029,361 as against an expenditure of £1,035,105. The State Government has fixed an amount of £408,000 as their contribution to the Univ. during the present financial yr. The Council is composed of 32 members—elected by graduates (10); representatives of the teaching staff (5), of affiliated colleges (2), undergraduates (2); appointed by the Government (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 graduates) elects a Standing Committee with certain legislative and advisory functions. There is a Professorial Board, and individual courses are controlled by Faculties and Boards of Studies. The grounds, 104 acres, include four 10-acre College sites surrounding a recreation ground of 16 acres. The temporary post-War branch of the University at Mildura, 350 miles north-west of Melbourne, where first-yr. students in some scientific faculties were housed, is now closed.

LIBRARY, 170,000 vols. MUSEUMS, Anat., Biol., Geol., Path. (15,000 specimens), Vet. LABORATORIES, Aerodynamics (with Wind Tunnel), Agric., Bact. (investigations undertaken for Govt. Hospitals and Med. practrs.), Bot., Biochem., Chem., Dent., Engineering, Metall. and Mining (with 3-head stamp

battery), Path., Physics, Physiol., Psychol., and several Commonwealth Govt. Labs. (including X-ray and Radium, and C.S.I.R. sections). VET. RESEARCH INSTITUTE. HALL RESEARCH INSTITUTE in connexion with Royal Melbourne Hospl.

FACULTIES AND DEANS (1950). Arts, Prof. I. R. Maxwell; Education, Prof. G. S. Browne; Science, Prof. O. W. Tiegs; Law, Prof. G. W. Paton; Medicine, Prof. R. D. Wright; Engineering, Prof. C. E. Moorhouse; Architecture, Prof. B. B. Lewis; Music, Prof. Sir B. T. Heinze; Dental Science, Prof. A. B. P. Amies; Agriculture, Prof. S. M. Wadham; Veterinary Science, Prof. R. D. Wright; Economics and Commerce, Prof. G. L. Wood.

DEGREE COURSES: 3 yrs.—B.A. (Ordinary), B.Sc., B.Com. (Ordinary); 4 yrs.—B.A. (Hons.), B.Com. (Hons.), LL.B., Mus.Bac., B.C.E., B.M.E., B.Met.E., B.E.E., B.Mech.E., B.Surv., 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.'—M.Sc., M.D., M.S., M.D.Sc., M.V.Sc.; 3 yrs.'—M.Ed., M.C.E., etc., Mus.D., D.V.Sc.; 4 yrs.'—D.Sc., LL.D., D.D.Sc.; 5 yrs.'—D.Eng., M.Arch., D.Arch.; 7 yrs.'—D.Litt. 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. Public Health, 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 and Electricity, Diagnostic Radiology, Anæsthesia, and Psychological Medicine, open by examn. to med. grads. of 3 yrs.' experience in practice. Analyt. Chem., 9 mos. following 3 yrs.' course in Chem.; Dietetics, 1 yr. following B.Sc. or B.Agr.Sc. course; Education, 1 yr. following graduation in any other Faculty; Commerce, Journalism, Physical Education, Public Admin., 2 yrs.' undergraduate study; Arch. Design, Music, Social Studies, 3 yrs.' undergraduate study; Agric., 4 yrs.' undergraduate study.

FEES. Matricn., 2 gs.; Degree, 10 gs.; Degree courses in Arts, 3 yrs., about 72 gs.; Science, 3 yrs., 90 gs.; Agric., 4 yrs., 120 gs.; Laws, 4 yrs., about 110 gs.; Dentistry, 5 yrs., £225; Med., 6 yrs., £283 (including Hospl. Fees); Engin. and Surv., 4 yrs., 120 gs.; Commerce, 3 yrs., 84 gs.; Music, 4 yrs., at Conservatorium, 128 gs.; Educ., 2 yrs., 33 gs. Sports and Union fees, £4 p.a. Union entrance fee, £2: 10s.

SCHOLARSHIPS, ETC. Aggregate annual value about £14,000. Among the more important are Research Fellowships of £600 each, Travelling Scholarships of £350 p.a., Research Scholarships up to £350, and combined Research and Teaching foundations.

Free students: 15 certificated teachers of the Education Dept. *per annum*; 5 other Govt. officers *per annum*; 50 other persons *per annum*. All other certificated teachers and students of the Teachers' Training College are admitted at half fees.

A *Students' Loan Fund* has assets exceeding £70,000.

RESIDENCE. The Residential Colls. (v. *supra*) accommodate over 500 resident students.

ADULT EDUCATION. Extension Committee collaborates with Council of Adult Education (non-Univ.). Secretary—G. H. Vasey, B.C.E.

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.

PUBLICATIONS. *Calendar* (March), 5s. net, includes list of publications. by members of staff (handbooks containing extracts and general information relevant to each Faculty published separately, 6d. or 1s. each); *Annual Report*; *Annual Examination Papers*, in sets, 6d. each; *Handbook of Public Examns.*, 3s. 6d.; *Conservatorium Prospectus*; *Manual of Public Examinations in Music*; *Research Report*; *University Gazette* (containing academic news and official announcements) is published during term. 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 MELB. 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.

THE YEAR 1949

BENEFACTIONS. Estate of W. P. Greene, £3045, cancer research. Estate of H. B. Higgins, £3709, library. Norman Myer, £1500, research in Physiol. Victor Kimpton, £5000, Agricultural School bldg. and Kimpton Theatre. Anon., £1000, bldg. of Child Development and Research Centre. Dunlop Rubber Australia, Ltd., £2000, research scholps. in Chem. and Physics. Victorian Chamber of Manufactures, £1000, Chem. bldg. Herald and Weekly Times Ltd., £1078, Chair of Fine Arts and Dallas Haslam Trust Fund. Anon., £6000, Conservatorium Vice-Director. Other minor monetary benefactions totalling £12,107.

NEW BUILDINGS. Library extension being built. One storey added to the Physics Sch. bldg. (in course of erection). Extension to administrative bldg. which houses the Accounts Branch (in course of construction). Many temp. bldgs.

NEW DEPARTMENTS AND POSTS. Associate Professorships in Mining, Surveying, Theoret. Physics, Maths., Biochem., Classical Philol. New depts. of Russian, Surveying and Mining.

OTHER DEVELOPMENTS. The Mildura Branch of the Univ., which was established in 1947, fulfilled its purpose and was closed at the end of 1949. The State Government provided for the erection of a School of Animal Husbandry at Werribee, of which a section of laboratory and other facilities will be allocated for the use of Univ. staff.

CHANGES IN REGULATIONS. Inclusion of the Schools of Mathematical Statistics, Russian Lang. and Lit. and Fine Arts as Honour Schools for the

Degree of B.A. and Master Schools for the Degree of M.A.; revision of the course for Dip.Soc.Stud.; abolition of the Final Honour Examn. in Law and revision of the requirements for LL.M.; abolition of the B.Vet.Sc. course; redrafting regulations concerning Bachelor's Degrees in Engineering; revision of course for B.Arch.; introduction of degrees in Master of Architecture and Doctor of Architecture.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Sir Kenneth Clark, Oxford, on fine art; Prof. L. S. P. Davidson, Edinburgh, by arrangement with the Melbourne Permanent (Medical) Postgraduate Cttee; Dr. A. L. Hagedoorn, Leyden, on modern developments in animal breeding; Prof. F. S. C. Northrop, Yale, "Foundations of World Order"; Prof. M. Oliphant, Birmingham, on potentialities of atomic power; Sir Geoffrey Taylor, Royal Society, on recollections of a scientist; Sir Norman Haworth, Birmingham, on the place of science in education; Prof. K. C. Wheare, Oxford, on the British political scene.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Miss D. Coverlid visited England and Western Germany where she lectured on Australian history, social and cultural life to German Univs. in the British Zone; Prof. Greenwood visited England and Europe to study latest developments in metallurgy; Dr. V. D. Hopper worked under Prof. Oliphant at Birmingham; Prof. Macartney visited England to study development in the teaching of English and in the field of dramatic art; Miss McConchie studied specialized training of Physical Education Teachers at Liverpool; Dr. D. W. McElwain visited England to study the Psychological testing of adults; N. H. Rosenthal visited Europe and the U.K. to study the uses of visual aids; Prof. Scutt visited Oxford and Cambridge; Assoc. Prof. Shaw visited the United States and England to study res. and teaching in Pharmacol. and standardization and control of therapeutic compounds; Prof. Sunderland visited medical centres in U.S.A. and England; Prof. Turner visited St. John's College, Cambridge.

RESIGNATIONS. J. R. Bainbridge resigned as Commonwealth Res. Fellow in Engineering; M. Brown, Academic Sec., apptd. Asst. to Registrar of Australian National Univ.; C. M. H. Clark, Sr. Lectr. in Hist., apptd. Prof. of Hist. at Canberra Univ. College; Dr. F. J. Fenner, Haley Res. Fellow at the Walter and Eliza Hall Res. Inst., apptd. Prof. of Microbiol. at the Australian National Univ.; R. M. Johnson, Lectr. in Civil Engineering; Dr. F. N. Lahey, Sr. Lectr. in Organic Chem., apptd. to a similar position in the Univ. of Queensland; Miss K. A. O. Law, Lectr. in Biochem., apptd. to the staff of Univ. College, London; Dr. T. E. Lowe, Sr. Lectr. in Pathol., became first Director of the Clinical Res. Unit at the Alfred Hospital and later Director of the Baker Inst. for Med. Res.; C. E. Palmer, Sr. Lectr. in General Science, apptd. consultant in meteorological affairs to the U.S. Air Force in the Northern Pacific Area; Dr. R. T. Patton, Sr. Lectr. in Bot.; J. J. Pratt, Sr. Lectr. in Psychol., apptd. Chief Educational Officer (Res.) with the Commonwealth Office of Educn.; Assoc. Prof. Sawer, apptd. Prof. of Law at the Australian National Univ.; M. Shaw, Sr. Lectr. in Mechan. Engin., apptd. Prof. of Mechan. Engin. at the Univ. of Queensland; D. Taylor, Sr. Lectr. in Philos., apptd. Prof. of Philos. at the Univ. College of the Gold Coast.

DEATHS. H. W. Allen, former member of Council and former Sr. Tutor and Vice-Master of Ormond College. E. Goll, chief-study teacher of pianoforte at the Conservatorium of Music. W. Gude, former chief-study teacher of violin at the Conservatorium of Music. Dr. E. Heymann, Assoc. Prof. in

Phys. Chem. Dr. C. H. Mollison, Government Pathologist and former part-time Lectr. in Forensic Med. Sir Alan Newton, member of Council, Hon. Dir. of Clinical Studies and former Stewart Lectr. in Surgery. Dr. A. E. V. Richardson, first Dean of the Fac. of Archit. and recently Chief Executive Officer of the Council for Scientific and Industrial Res.

STUDENTS, 1949. Full-time: 5409, including 197 postgraduate students; pt.-time: 4016, including external students.

DEGREES, 1948. B.A., 253; M.A., 17; B.Ed., 20; M.Ed., 1; LL.B., 43; LL.M., 7; LL.D., 4; B.Com., 103; B.Sc., 175; M.Sc., 25; D.Sc., 3; B.Agr.Sc., 23; M.Agr.Sc., 4; M.B., B.S., 93; M.D., 11; M.S., 2; B.D.Sc., 36; M.D.Sc., 1; D.D.Sc., 1; B.Eng.Sc., 2; M.Eng.Sc., 1; B.C.E., 29; B.M.E., 5; B.Mech.E., 13; B.E.E., 5; B.Met.E., 4; M.C.E., 2; M.Mech.E., 1; B.Arch., 6; Mus.Bac., 14. 1949. B.A., 330; M.A., 29; Litt.D., 3; B.Ed., 30; M.Ed., 1; LL.B., 76; LL.M., 3; LL.D., 2; B.Com., 190; B.Sc., 207; B.Sc.F., 2; M.Sc., 40; D.Sc., 2; B.Agr.Sc., 29; M.Agr.Sc., 2; M.B., B.S., 123; M.D., 14; M.S., 5; B.D.Sc., 44; M.D.Sc., 2; D.D.Sc., 1; B.Eng.Sc., 1; M.Eng.Sc., 7; B.C.E., 61; B.Mech.E., 30; B.E.E., 23; B.Met.E., 16; M.C.E., 2; M.Mech.E., 1; M.E.E., 1; B.Arch., 13; Mus.Bac., 16.

NEW SOUTH WALES UNIVERSITY OF TECHNOLOGY

Established 1948

Incorporated by Act of Parliament 1949

Address—Broadway, Sydney, N.S.W.

PRESIDENT—WALLACE C. WURTH, C.M.G., LL.B. Syd.

DIRECTOR—ARTHUR DENNING, B.Sc., Dip.Ed. Syd.

REGISTRAR—JOHN C. WEBB, M.Sc , Dip.Met.Min. Wales, F G S.

SECRETARY TO THE COUNCIL AND ASSISTANT REGISTRAR—JOHN STEWART FRASER.

ACCOUNTANT—E. H. DAVIS.

CLERK OF EXAMINATIONS—H. L. CAINS, B.Ec Syd.

PROFESSORIAL STAFF

Mining Engineering: D. W. Phillips, B.Sc. Wales, Ph.D. Camb., Dip.Met.Min. Wales, F.G.S. *Electrical Engineering*: H. J. Brown, B.Sc., M.E. Syd. *Chemical Engineering*: J. P. Baxter, O.B.E., B.Sc., Ph.D. Birm. *Applied Chemistry*: A. E. Alexander, M.A , B Sc. Reading, Ph.D. Camb., F.C.S. *Applied Physics*: N. F. Astbury, M.A. Camb., F.I.P., F.R.S.A. *Architecture*: F. E. Towndrow, F.R.I B.A. *Humanities*: R. M. Hartwell, M.A., Dip.Ed. Syd.

In addition, the staff of the Sydney Technical College is assisting temporarily with the conduct of courses on behalf of the New South Wales University of Technology.

PUBLICATIONS. *Calendar*; *University Brochure.*

THE YEAR 1950

BENEFACTIONS. Nuffield Foundation, £25,000 (sterling) over 10 yrs. for the establishment of a Nuffield Res. Professorship of Mechanical Engin. Broken Hill Mining Companies, £15,000 (A) over 10 yrs. for the establishment of an Assoc. Professorship of Mining Engin. at Broken Hill.

NEW BUILDINGS. General purposes bldg. under erection at estimated total cost of £600,000. Civil Engineering Research Laboratory £100,000.

OTHER DEVELOPMENTS. Appointments to Chair in the Humanities, Chair in Metallurgy, and Chair in Mechanical Engineering are being made in 1950. Establishment of degree courses in Management, Wool Technology, and Applied Physics, being investigated.

STUDENTS. Total: 301; full-time: 250; pt.-time: 51. Postgraduate students: full-time, 12; pt.-time, 60.

UNIVERSITY OF QUEENSLAND
BRISBANE

Founded 1909

Address—George Street, Brisbane. *Telegrams*—University, Brisbane.

CHANCELLOR—The Hon. WILLIAM FORGAN SMITH, LL.D.
DEPUTY CHANCELLOR—Acting Prof. A. D. MCGILL, B.A., K.C.
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., M.Sc., Ph.D. Prof.

Lecturers

Perkins, F. A., B Sc.Agr. (Econ. Entomol).
Tommerup, E. C., M.Sc. (Agric.).
Bryan, W. W., M.Agr.Sc. (Genetics and Plant Breeding) Asst. Lectr.
Brimblecombe, Lola J., B.Sc.Agr. Jr. Lectr.
Briton, N. W., B V Sc. (Animal Husbandry and Dairying).
Shaw, N. H., B.Sc.Agr. (App. Agrostol. & Pasture Management).
Keats, R. R., H.D.D.
Barratt, T. J. (Farm Eng.).
Howie, J. W. (Principles of Hortic.).
7 Special Lectrs.

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., Ch.M. Syd., F.R.A.C.S. (and Oper. Surg.) Lectr.
Hayhow, W. R., M.B., B.S. Lectr.
De Bruin, A. J., M.B., B.S. Temp. Lectr.
Kenny, G., M.B., B.S. Temp. Lectr.
O'Reilly, J. K., M.B., B.S. Temp. Lectr.
4 Special Lectrs , 3 Demrs.

Architecture

Cummings, R. P., A.A.Dip., B.Arch. Prof.
Lucas, F. B., F.R.I.B.A. Lectr.
4 Pt.-time Lectrs., 1 Special Lectr.

Biblical Literature

Innes, Rev. H. S. R., B.A. Syd. Pt.-time Lectr.
Sharwood, Rev. A. L., M.A. Melb., Th.L. Pt.-time Lectr.

Biochemistry

Hines, H. J. G., B.Sc. (Agr.) Lond. Assoc. Prof.

Botany

Herbert, D. A., D.Sc. Melb. Prof.
Cayzer, A., B.Sc. Syd. Assoc. Prof.
Langdon, R. F. N., M.Agr.Sc. Lectr.
Wilson, G. L., B.Agr.Sc. Lectr.
Aberdeen, J. E. C., B.Agr.Sc. Asst. Lectr.
1 Special Lectr., 3 Demrs.

Chemistry

Jones, T. G. H., D.Sc. Syd., F.C.S. Prof.
Lauder, I., D.Sc., Ph.D. Assoc. Prof.
O'Connor, E. A , M.Sc. Melb. Lectr.
Edmiston, E. S , B Sc , B.Sc.App. (Industrial) Assoc. Prof.
Lahey, F. N., D.Sc. Sr. Lectr.
Brooks, P. C., B Sc.App. (Indust.) Lectr.
Sutherland, M. D., M.Sc. N.Z. Lectr.
Wood, H. L., M.Sc. Adel. Lectr.
Grigg, E. C. M , M.Sc. Asst. Lectr.
Shann, Patricia, B.Sc. Asst. Lectr.
Wilson, I. R., B Sc. Asst. Lectr.
1 Pt.-time Demr., 4 Grad Demrs , 1 Tutor.

Classics

Cooper, C. G., M.A. St. And. Prof.
Castlehow, S., M.A. Oxon. Assoc. Prof.
Fisher, R. B., M.A. N.Z. Asst. Lectr.
Jones, Edith M., B.A. Jr. Lectr.
McKay, K. J., B.A. Melb. Jr. Lectr.

Commerce

20 Special Lectrs.

Dentistry, v. *infra*

Education and Experimental Psychology

Schonell, F. J., M.A. Birm., Ph.D., D.Lit. Lond. Prof.
Ringrose, E C. D , B.A., B.Ed. Melb., B.Sc. Assoc. Prof.
Henderson, N. K., B.A., M.Ed. Asst. Lectr.
7 Special Lectrs.

Engineering

Lavery, J. H., M.E., B.Sc. (Civil) Prof.
Shaw, M., M.Eng. Sheff., M.Mech.E. Melb. (Mech.) Prof.
Prentice, S. A., B.Sc. (Elect.) Prof.
White, F. T. M., B.Met.E. (Mining) Prof.
Boyd, A., D.Sc. Lond., B.E. Syd. (Mech. and Elect. E.) Assoc. Prof.
Ross, C. N., M.Sc. Tas , B.M.E. Melb. (Civ E.) Lectr.
Munro, A. R., B.E. (Mech. E) Lectr.
Corbett, A. H., M.E. (Mech. E.) Lectr.
Berglin, C. L. W., B.E. (Chem.) Lectr.
Stoney, A. J M'C., B.E E. Melb. (Elect. Tech.) Lectr.
Birkbeck, G. H. M., B.E. (Aeronautics) Lectr.
Salisbury, P. R., B.Sc. (App.) Durh. (Naval Arch.) Lectr.
James, F. W., M.Sc. (Surveying) Asst. Lectr.
Hinckley, R. T., M.E., B Sc. (Electronics) Lectr.
Mapp, W., B.E. Asst. Lectr.
Francey, G. H., B.E. Asst. Lectr.
Clark, D. J. (Mech. and Elect. E.) Asst. Lectr.
Sheridan, N. R. Asst. Lectr.
Grant, G. R. M., B.E. (Mech. and Elect. E.) Asst. Lectr.
11 Hon. Lectrs., 22 Special Lectrs.

English Language and Lit.

Stable, J. J., M.A. Camb. Darnell Prof.
Robinson, F. W., M.A. Syd., Ph.D. Jena Assoc. Prof.
Thomson, A. K., M.A. Lectr.
Flint, E. H., B.A. Temp. Asst. Lectr.
3 Pt.-time Lectrs.

Forestry

White, C. T. (Forest Bot.) Pt.-time Lectr.

Geology and Mineralogy

Bryan, W. H., D.Sc. Prof.

Whitehouse, F. W., Ph.D. Camb., D.Sc. Assoc. Prof.
Hill, Dorothy, M.Sc., Ph.D. Camb. Lectr.
Jones, O. A., D.Sc. Lectr.
Robinson, E. V., B.A. Asst. Lectr.
2 Demrs.

History

Greenwood, G., M.A. Syd., Ph.D. Lond. McCaughey Prof.
Morrison, A. A , M.A. Asst. Lectr
Neale, R. G., B.A., Dip.Ed. Asst. Lectr.
Truman, T. C., B.A. Melb. Asst. Lectr.

Journalism A

19 Special Lectrs.

Journalism B

7 Special Lectrs.

Law

Harrison, W. N. L., B.A., LL.M. (and Social Science) Garrick Prof.
Anderson, H. R., M.A. Oxon., LL.B. W. Aust. Sr. Lectr.
Sykes, E. I , B.A., LL.M. Lectr.
15 Special 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. Lectr.
Finucan, H. M., B.A. Oxon. Lectr.
Evans, I. A., B.Sc. Asst. Lectr.
Powell, H. K., M.A., B.Sc. Asst. Lectr.
2 Pt.-time Lectrs.

Modern Languages, v. also Inst. of Mod. Langs., *infra*

Mahoney, J. C., M.A., B.Litt. Oxon. Sr. Lectr.
Cochrane, G. R., M.A. Melb. Lectr.
Leopold, K., B.A. Syd. Lectr.
Denat, A. Lectr.
Campbell-Brown, Kathleen, B.A. Asst. Lectr.
Hallister, E. N., B.A., Dip.Ed. Asst. Lectr.

Music

May, S. Lectr. and Organizer.
Brandon, H. E., F.T.C.L. Asst. Organizer and Examiner.

Philosophy and Psychology

Kyle, W. M., M.A. (Philos.) Prof.
Naylor, G. F. K., M.A., M.Sc. Syd., Dip Ed. (and Psychol.) Lectr.
Harwood, Elsie, M.A. (Psychol.) Lectr.
James, G., M.A. Lectr.
Thiele, H. W., B.A. Jr. Lectr.

Physical Education, v. *infra*

Physics

Webster, H. C., D.Sc. Tas., Ph.D. Camb., F.I.P., F.R.Met.S. Prof.
Lusby, S. G., B.A. Camb., M.A. Syd. Assoc. Prof.
Reimann, A. L., D.Sc. Adel., Ph.D. Berlin Lectr.
McNicol, R. W. E., M.Sc. Lectr.
Malcolmson, R. D., B.Sc. Melb. Asst. Lectr.
Noon, J. H., B.Sc. Asst. Lectr.
11 Demrs.

Physiology

Macfarlane, W. V., M.A., M.B., Ch.B. N.Z. Prof.
Hawker, R., M.B., B.S. Lectr.
Scott, Margaret I. R., M.Sc. (Pharm.) Lectr.
Crouchley, J., M.Sc. Adel. (Biophysics) Lectr.
Le Breton, E. G., B.Sc., M.B., B.S. Temp. Lectr.
Knapp, B. J., B.Sc. Asst. Lectr.
Morrison, J. F., B.Sc. Syd. (Biochemistry) Asst. Lectr.
Walters, L. D., M.D. Syd. Pt.-time Lectr.
2 Demrs.

Radiation Physics

Webster, H. C., M.Sc. Melb., Ph.D. Camb., F.Inst.P. Prof.
Robertson, D. F., B.Sc. Lectr.
Gipps, G. de v., B Sc. Actg. Asst. Lectr.

Surveying

James, F. W., M.Sc. Asst. Lectr.
2 Pt.-time Lectrs., 4 Demrs.

Medicine

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

Gynæcology

Charlton, B. B., M.B., B.S. Sp. Lectr.
McLelland, H., M.B., B.S. Sp. Lectr
4 Clin. Lectrs., 1 Tutor.

Materia Medica

Booth, F. J., M.D., B.Ch., B.Sc. Lectr.

Medical Psychology, Psychiatry, and Mental Hygiene

Bostock, J., M.B., B.S., D.P.M., F.R.A.C.P. Res. Prof.
1 Pt.-time Lectr., 1 Clin. Lectr., 1 Asst. Clin. Lectr.

Medicine

Murphy, A. P., M.C., M.D., Ch.M. Syd., F.R.A.C.P. Half-time Prof.
5 Special Lectrs., 10 Clin. Lectrs., 6 Asst. Clin. Lectrs., 14 Tutors.

Obstetrics

Shedden-Adam, G. W., M.B., B.S. Syd., F.R.C.S., F.R.C.O.G. Edin. Prof.
2 Specialist Lectrs., 3 Clin. Lectrs., 5 Asst. Clin. Lectrs., 1 Tutor.

Pathology and Bacteriology

Canny, A. J., B.Sc., M.B., B.S. Prof.
Skerman, V. B. D., B.Agr.Sc. (Bacteriol.) Chief Lectr.
Inglis, J. A., M.B., B.S. (Path.) Sr. Lectr.
Page, Gertrude E., B.Sc. Adel. (Bact.) Jr. Lectr.
Neill, D., M.B, B.S. (Pathol.) Temp. Lectr.
Moontford, Dorothy, B.Sc. (Bacteriol.) Teaching Fellow.
Quinn, R. L., M.B., B.S. (Path.) Teaching Fellow.

Physiotherapy

Crawford, H., M B., B.S, F R A.C.S. Pt.-time Lectr.
6 Special Lectrs., 6 Demrs.

Psychiatry, v. Med. Psychol.

Social and Tropical Medicine

Meyers, E. S., M.B., F.R.A.C.S Actg. Hon. Prof.
3 Special Lectrs., 19 Occasional Lectrs., 1 Pt.-time Demr.

Surgery

Sutton, N. G., M.B., Ch M. Syd., F.R.C.S Ed., F.R.A C.S. Pt.-time Prof.
Meyers, E. S., M.B., F.R.A.C.S. (Operative Surg.) Lectr.
11 Special Lectrs., 5 Clin. Lectrs., 11 Asst. Clin. Lectrs., 8 Tutors.

Zoology

Stephenson, W., B.Sc., Ph.D. Durh. Prof.-designate.
Bleakly, M. C., M.Sc. N.Z. Sr. Lectr.
Sandars, D. F., M.Sc. W. Aust. Lectr.
England, D. E. H., B.Sc. Asst. Lectr.
Mather, W. B., B.Sc. Asst. Lectr.
Perkins, F. A., B.Sc.Agr. Syd. (Econ. Ent.) Lectr.
7 Demrs.

Dentistry

Lumb, S. F., D.D.Sc., L.D.S. Melb. Prof.

Pearn, J. O. Sr. Lectr.
Sagar, J. A., B.D.Sc. Sr. Lectr.
Jenkins, D. H., B.D.Sc. Sr. Lectr.
McDougall, W. A., B.D.Sc. Lectr.
Martin, K. H., B.D.Sc. Lectr.
7 Temp. Lectrs., 2 Demrs.

Special Lecturers

Brandis, G. H., M.B., B.S., F.R.C.S. (Gen. Surg.) (Temp.).
Gutteridge, N. M., M.B., B.S. Melb. (Sp. D. Pathol.).
Earnshaw, P. A., M.B., Ch.M. (Dis. of Children in relation to Teeth).
Goldfinch, H., B.D.S. Syd., D.D.Sc. Tor. (Periodontia).
Booth, E. J., M.D., B.A.O. (Mat. Med.).
Kemp, H. R., B.D.S., B.D.Sc. Syd. (Local Anæsthesia).
Rosentengel, B. L., D.D.S. Penn. (Orthod.).
Rossiter, A. (Oper. Technique).
Schafer, D. P. H., M.B., B.S. (Med.).
Watkins, S. B., M.Sc. (Metall.).
Willson, J. H., M.B., B.S. (Anæsthetics).
Webb, V. P., D.D.Sc. Tor. (Orthodontia).

Physical Education

Burge, I C., B.Phys.Ed. Springfield, B.Com. Director.
Simpson, K., Dip.Phys.Ed. Asst. Dir.
Sharp, Elizabeth, Dip.Phys.Ed. Female Instr.
15 Pt.-time Lectrs. and Demrs.

Veterinary Science

Burns, R. H., B.V.Sc. Syd. Lectr.-in-charge.
McDowall, A., B.V.Sc. (Vet. Anat.) Lectr.
May, N. D. S., B.Sc. (Hist. Emb.) Asst. Lectr.
King, R. O. C. (Vet. Path.) Temp. Lectr.
1 Pt.-time Lectr.

External Studies

Ringrose, E. C. D., B.A., B.Sc., B.Ed. Assoc. Prof., Director.
Hamilton, K. G., B.A. Melb. Asst. Director.
Popple, Myra A., B.A. (Maths.) Asst. Lectr.
Stalley, O., B.Econ. (Econ.) Asst. Lectr.
Vallis, V. T., B.A. (Philos.) Asst. Lectr.
Hadgraft, C. H., M.A., Dip.Ed. (English) Asst. Lectr.
Ruddle, Caroline, B.A. Asst.
Stoodley, June, B.A. Asst.
Taylor, Margaret A. Asst.
White, Olive N. Asst.

Institute of Modern Languages

Pt.-time Lecturers

Campbell-Brown, Kathleen, B.A. (French).
Kay, Mrs. Margot (German).
Flint, E. H., B.A. (Japanese).
Smikoff, Mrs. Zena (Russian).
Leopold, K., B.A. Syd. (German).
Hallister, E. N., B.A., Dip.Ed. (German).
Cochrane, G. R., M.A. (French).

RECOGNIZED RESIDENTIAL COLLEGES

EMMANUEL (Presb.). Principal—Rev. Mervyn Henderson, M.A. Camb.

ST. JOHN'S (C. of E.). Warden—Ven. Archdeacon W. A. Hardie, M.A., B.D.

KING'S (Methodist). Master—Rev. H. H. Trigge, M.A., B.D. Melb.

ST. LEO'S (R.C.). Rector—Rev. P. Meenagh, M.A.

WOMEN'S (undenominational). Principal—Margaret Piddington, B.A. Syd.

DUCHESNE (R.C. women). Principal—Madame J. Percy-Dove, M.A., Dip.Ed. Syd.

UNIV. OF QUEENSLAND UNION COLLEGE. Hon. Warden—Assoc. Prof. M. F. Hickey, M.A., M.B., B.S.

For particulars of residence, *see* below.

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. Until November 1943, the Senate consisted of 20 members—10 appointed by the State Government 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 Government 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 November 8, 1943, the number of Government 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 Government. The amount of subsidy for the first teaching year (1910) was £5500. It has since been progressively increased and was £91,689 in 1949. During 1949 the Commonwealth Government paid to the Univ., in addition to fees, a sum of £55,797 towards the cost of the instruction of ex-Service men and women.

Up to 1931 the grounds and buildings facing the Brisbane River and adjoining the Botanical Gardens included, in addition to the main building and recreation grounds, 6 floors of three blocks of the Central Technical Coll. buildings. The remainder of these blocks had to be taken over by the Univ. in 1932, in order to accommodate the increased number of students. Owing to the rapid growth of the Central Technical Coll., as well as the Univ., the Univ. is unable to obtain any more accommodation in the Coll. buildings.

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. The erection on the St. Lucia site, by the State Government, of buildings to house all departments except those concerned with the work of the later years in the Faculties of Medicine and Veterinary Science, which are situated at Herston and Yeerongpilly respectively, is well advanced. The main bldg. at St. Lucia was occupied by the Depts. of Classics, Econ., History, Educn., Engl. and Mod. Langs., Extern. Studies, Philos., Phys. Educn., Surveying, and the Main Library. In 1950 the Chemistry and Geology Bldg. at St. Lucia was occupied.

LIBRARY, 92,784 vols. LABORATORIES: Anat., Agric., Biol., Biophysics, Chem., Applied Chem., Engin., Geol., Metall. and Assaying, Pathol. and Bacteriol., Physics, Physiol., Psychol., Dent., and Vet. Sci.

FACULTIES. Arts, Science, Engineering, Commerce, Agriculture, Dentistry, Law, Medicine, Veterinary Science, Education, and Architecture.

DEGREE COURSES. (Day Students): 1 yr.—B.Ed.; 3 yrs.—B.A., B.Com., B.Sc., B.Surv.; 4 yrs.—LL.B., B.Sc. Honours, B.Sc. in Forestry, B.Agr.Sc., B.Sc. (App.) in Indust. Chem., B.Sc. (App.) in Medical Science, B.D.Sc., B.E.

in Civ., Mech. and Elec., Chem., or Mining Engin.; 5 yrs.—B.Vet.Sc.; 6 yrs.—M.B. and B.S.; B.Arch. (3 yrs. day, 3 yrs. evening).

HIGHER DEGREES. Open to Bachelors of 2 yrs.' standing: M.A., M.Com., M.Ed., LL.M., M.Sc., M.App.Sc., M.S.; of 3 yrs.' standing: M.Agr.Sc., M.E., M.D., D.V.Sc.; of 4 yrs.' standing: D.D.Sc.; of 5 yrs.' standing: D.Agr.Sc.; of 7 yrs.' standing: D.Econ., D.E., Litt.D. Open to Masters of 5 yrs.' standing: LL.D., D.Sc. These higher degrees are obtained by examination and/or submission of a thesis, but in some cases certain specified outside experience is required in addition.

OTHER COURSES. Diplomas: Mech. and Elect. Engin., 4 yrs. (may be followed in any approved Coll. or Instn.); Architecture, 6 yrs. Commerce (on unit basis—approx. 5 yrs.); Journalism, 2 yrs. for persons with 3 yrs.' practical experience; Physiotherapy (Massage), Physical Education, 3 yrs.; Music, 2 yrs.; Education, 1 yr. postgraduate. Certificates: Education, 4 yrs.; Accountancy, 2 yrs.; Architecture, 2 yrs.

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. or at approved institutions, exemption from the first 2 yrs. of the B.E. course may be obtained. 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 and Law, 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.

ADULT MATRICULATION. Candidates who have attained the age of 25 yrs. may be admitted to matricn. in all the Faculties excepting Medicine upon passing a special examn.

FEES. Matricn., £1 : 1s.; admission *ad eundem statum*, £1 : 1s.; Lecture Fees for single subject per Term, £2 : 2s.; Composition Fees for complete Degree Course in the Facs. of Arts, Comm., and Education, 12 to 18 gs. p.a.; Law, £22 : 10s. p.a.; Science (Pure), Science (Applied), Engineering, and Veterinary Science, 20 to 22 gs. p.a.; Architecture, £22 : 1s. 1st 3 yrs., 12 gs. 4th and 5th yrs., 10 gs. 6th yr.; Dentistry and Medicine, £40 p.a.; General Purposes Fee, 2 gs. to 5 gs. p.a.; Examn. Fees, 1 g. to 6 gs.; Graduation Fees—Bachelor, 3 gs. to 10 gs.; Master, 5 gs.; Doctor, 10 to 20 gs.

SCHOLARSHIPS, ETC., FOR GRADUATES. 2 gold medals offered by Government for distinction at graduation; £400 p.a. for 2 yrs. for study outside Australasia; £500 p.a. for 3 yrs., of which 2 to be spent abroad in Engin. Research; £450 p.a. for 2 yrs. in Econ. Biol. The last two were founded and are financed by the W. and E. Hall Trust.

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. 60 gs. a year.

PUBLIC EXAMINATIONS are held by the Univ. annually in Nov. and Dec.: Junior (divided into 6 sections, viz.—General, Art, Commercial, Home Sci., Agric. and Industrial) and Senior. For matricn. the corresponding public examns. of the other Australian Univs. are treated as equivalent to these.

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.

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 1949 in French, German, Russian, Japanese, and Dutch.

RESEARCH. Under a grant sponsored by the Commonwealth Govt. through the Commonwealth Office of Educn. for Scientific and Industrial Research the several Australian Univs. are allotted a certain sum each yr. for the purpose of carrying out approved Research work. The following depts. are carrying out res. under this grant—Agric., Bot., Chem., Engin., Economics, Geol., History, Medical Psychol., Physiol., Physics, Psychol., Zool. Under the National Health and Medical Research Council grant projects in the Depts. of Physiol. and Anat. are undertaken.

PUBLICATIONS. *Handbooks* for all Facs., 3s. each; *Manual of Pub. Examns.*, 4s. (postage 3d. extra); *Music Manual*, free, postage 3d.

THE YEAR 1949

BENEFACTIONS. £2000, from estate of Patrick J. O'Shea as a bequest to the Law School of the Univ., has been used to establish a special section in the Library of the Law School as a memorial to Mr. O'Shea. £10,000, from estate of the late Sylvia St. G. Dixon, for Cancer Research.

NEW BUILDINGS. Chem. Bldg. and the Geol. Bldg. on the permanent Univ. site at St. Lucia nearing completion. It was hoped to fully occupy both bldgs. by the middle of 1950. Additional accomm. was being erected at Yeerongpilly for the Vet. Sch., owing to the decision of the Senate to make the Veterinary Sci. course fully operative again from the beginning of 1950.

NEW DEPARTMENTS AND POSTS. Chairs of Mining, Electrical Engin., History, Educn., Zool., Archit., Economics, Bot., and a Chief Lectureship in Bacteriol., were established. Arrangements were put in train for an expansion of work in the Dept. of External Studies, including the establishment of Study Circles in Rockhampton, Townsville, and Ipswich.

EXTRA-MURAL WORK. The Public Lectures Committee arranged a number of lectures in 1949. The John Thomson Lecture, "Some Peace-time Applications of Atomic Energy," was delivered by Dr. C. E. Eddy, Physicist-in-charge of the Commonwealth X-Ray Laboratory. The John Murtagh Macrossan lecture, "The Atom and Its Nucleus," was delivered by Prof. H. S. W. Massey, F.R.S., Goldsmid Prof. of Mathematics at Univ. Coll., Univ. of London. The lectures in Australian Literature were delivered by F. T. Macartney, poet, critic, and editor. The Annual Research Lecture in Accountancy entitled "The Accounting Mission—Standards of Efficiency" was delivered by F. Sewell Bray, Nuffield Sr. Research Fellow, Dept. of Appl. Economics, Univ. of Cambridge.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. J. Burke, of the Herald Chair of Fine Arts, Univ. of Melbourne, delivered the Syme Oration under the auspices of the Royal Australian Coll. of Surgeons; and a public

lecture on "Contemporary British Art." Prof. A. H. Ennor, Prof. of Biochem. at the Australian National Univ. delivered a series of lectures.

RESIGNATIONS. Dr. R. K. Macpherson, Lectr. in Physiol.; Miss F. A. C. Munro, Sr. Instr. in Physiotherapy; Dr. C. N. Sinnamon, Sr. Lectr. in Bacteriol.; Dr. A. A. Young, Lectr. in Anat.

HONORARY DEGREES. *LL.D.*—Prof. J. J. Stable, Hd. of Dept. of English and Modern Langs., Pres. of the Professorial Board, and member of Univ. Senate. *Ph.D.*—L. D. Edwards, Dir.-General of Educn. in Q'ld., and Member of Univ. Senate. *M.E.*—J. R. Kemp, Co-ordinator-General of Public Works in Q'ld., Chairman of the Building and Grounds Cttee., and member of Univ. Senate.

STUDENTS. Total: 4391; full-time: 2060; pt.-time: 2331. The total includes 752 women and 87 postgraduates.

DEGREES. B.A., 65; M.A., 6; LL.B., 12; B.Sc., 53; M.Sc., 5; D.Sc., 1; B Sc.App., 14; M.B., B.S., 50; B.Ed., 7; B.E., 29; M.E., 3; B.Com., 23; B.Agr.Sc., 4; B.Sc.For., 3; B.D.Sc., 24; B.Vet.Sc., 5.

UNIVERSITY OF SYDNEY

Founded 1850

Address—Sydney, New South Wales.

VISITOR—H.E. THE GOVERNOR.

CHANCELLOR—Sir CHARLES BICKERTON BLACKBURN, O B.E., B A. Adel., M.D., Ch.M., F.R.C.P. Lond. and Edin., F.R.A.C.P.

DEPUTY-CHANCELLOR—The Hon. Mr. Justice E. D. ROPER, B.A., LL.B

VICE-CHANCELLOR—Professor S H. ROBERTS, M.A., Litt.D. Melb., LL.D. Brist., D.Sc (Econ.) Lond.

REGISTRAR—W. H. MAZE, M.Sc.

DEPUTY REGISTRAR—MARGARET A. TELFER, B.A.

ACCOUNTANT—J. C. BONGERS.

ASSISTANT REGISTRARS—J. D. BUTCHART, B.A. Melb., B.Ec.; D. R. V. WOOD, B Ec.; H G. MCCREDIE, LL.B.

LIBRARIAN—E V. STEEL, B A.

TEACHING STAFF

Accountancy, v. Econ.

Agriculture, v. also Vet Sci

McMillan, J. R. A., M S. Cornell, D.Sc.Agr Dean and Prof.

Waterhouse, W. L., M.C, D.Sc. Agr., D.I.C. Lond. (Plant Path. and Agric. Bot.) Res. Prof.

Duncan, D. B., Ph.D. Ames, B.A., B.Sc.Agr. (Agric. Biometry) Sr. Lectr.

Vincent, J. M., B.Sc.Agr. (Agric. Bact.) Sr. Lectr.

Watson, I. A, Ph.D. Minn., B.Sc. Agr. Sr. Lectr.

..... (Agric. Chem.) Sr. Lectr.

Breakwell, E. J., M.Ag.Sc. Adel., B.Sc.Agr. (Agronomy) Sr. Lectr.

White, N. H., D.Sc. Tas., M.Sc. (Agric. Bot.) Sr. Lectr.

Breyer, B. Z., Ph.D. Bonn, M.D. Padua (Agric. Chem.) Sr. Lectr.

Anderson, R H., B Sc.Agr. (Forestry) Lectr.

Bowman, F. T, Ph D. Michigan, M.Sc. Calif., B.Sc.Agr (Fruit Culture) Lectr.

Butler, I. A., B.Ec. (Agric. Econ) Lectr.

Fisher, J. R., B.Sc.Agr. (Cereal Chemistry) Lectr.

Anatomy

Burkitt, A. N. St. G. H., M.B., B.Sc. Challis Prof.

Stump, C. W., D.Sc., M.D., Ch B. Edin. (Histol. and Embryol.) Bosch Prof.

Macintosh, N. W. G., M.B., B.S. Reader.

Garde, Mary L., B.Sc. (Histol.) Sr. Lectr.

Gabriel, A. C., D.D.Sc. (Dental Anat.) Sr. Lectr.

Plomley, N. J. B., M.Sc. Tas., B.Sc. Sr. Lectr.

Cleland, K. W., M.B., B.S. (Cytology) Lectr.

O'Brien, B. R. A., B.Sc. (Experimental Embryol.) Lectr.
..... (Appl. Anat.) Lectr.

Anthropology

Elkin, A. P., Ph D. Lond , M.A. Prof.
Hogbin, H. I. P., Ph.D. Lond., M.A. Reader.
Capell, A., Ph.D. Lond., M.A. (Oceanic Languages) Reader.

Archæology

Trendall, A. D., M.A. Camb., M.A., Litt.D. N.Z., F.S.A. Dean and Prof.
Stewart, J. R. B , M.A.Camb. Sr. Lectr.

Architecture

Hook, A. S., F.R.I.B.A. (Arch. Pract. and Constn.) Prof.
Ashworth, H. I., M.A., B.Arch. Manc., F.R.I.B.A. (Arch. Design and Hist.) Dean and Prof.
Winston, D., B.Arch. Liv., M.A. Harv. (Town and Country Planning) Prof.
Gamble, A. A. Sr. Lectr.
..... (Town & Country Planning) Sr. Lectr.
Thompson, E. L., B.Arch. (Arch. Constn.) Lectr.
Rees, L. (Hist. Sculpture and Painting) Lectr.

Biochemistry

Still, J. L., Ph.D. Camb., B.Sc. McCaughey Prof.
Humphrey, G. F., M.Sc. Sr. Lectr.

Botany, v. also Agric.

Burges, N. A., Ph.D. Camb., M.Sc., F.L.S. Dean and Prof.
McLuckie, J., M.A. Glas., D.Sc. Reader.
Mercer, F. V., Ph.D. Camb., B.Sc. Adel. Lectr.
Smith-White, S., B.Sc.Agr. Lectr.
Beadle, N. C. W., D.Sc. Lectr.

Chemistry, Physical and Inorganic

Le Fèvre, R. J. W., D.Sc., Ph.D. Lond., F.R.I.C. Prof.
Iredale, T., D.Sc. Lond., B.Sc., F.R.I.C. Reader.
Mellor, D. P., D.Sc. Tas. Reader.
Ritchie, E., M.Sc. Sr. Lectr.
Dwyer, F. P. J., D.Sc. Sr. Lectr.
Lyons, L. E., B.A., M.Sc. (on leave) Lectr.
Angyal, S. J., Ph.D. Bud. Lectr.
Broe, J. J., M.Sc., Dip.Ed. Q'ld. Lectr.
Gibson, N. A., M.Sc. Lectr.

Chem., Organic

Le Fèvre, R. J. W., D.Sc., Ph.D. Lond., F.R.I.C. Actg. Prof.
Lions, F., Ph.D. Manc , B.Sc. Reader.
Hughes, G. K., B.Sc. Adel. Sr. Lectr.
Cymerman, J., Ph.D. Lond., D.I.C. Lectr.

Dentistry, v. *infra*

Economics

Butlin, S. J , M A. Camb., B.Ec. Dean and Prof.
Partridge, P. H., M.A. (Govt. and Pub Admin.) Prof.
Arndt, H. W., M.A., B.Litt. Oxon. (Econ.) Sr. Lectr.
Black, H. D., M.Ec. (Econ.) Sr. Lectr.
Rutherford, R. S. G., M.A. Oxon. (Econ. Statistics) Sr. Lectr.
Kewley, T. H., M.A. (Govt. and Pub. Admin.) (on leave) Sr. Lectr.
Renwick, C. C., M.Ec. (on leave) (Econ.) Sr. Lectr.
Laffer, K. M., B.A. W. Aust. (Econ.) Lectr.
Butlin, N. G., B.Ec. (on leave) (Econ. Hist.) Lectr.

Kerr, I. W., B.Ec. (Accountancy) Lectr.
Bridge, A. B. K. I., LL.B. (Com. and Ind. Law) Lectr.
Wills, N. R., M.Sc , B.Ec. (Govt and Pub. Admin) Lectr.
Edwards, H. R , B.A. (Econ. Statistics) Lectr.
Ginswick, J., B Sc. (Econ.) Lond. (Econ. Hist) Lectr.
Simpson-Lee, G. A. J., B.Ec. (Econ.) Lectr.

Education

McRae, C. R., Ph.D. Lond., M.A., Dip.Ed. Melb. Prof.

Engineering, v. *infra*

English

..... (English Literature) Challis Prof.
Mitchell, A. G., Ph.D. Lond., M.A. (Early English Literature and Language) McCaughey Prof.
Howarth, R. G., B.Litt. Oxon , B A. (on leave) Reader.
Oliver, H. J., M.A. Sr. Lectr.
Russell, G. H., M.A. N.Z. Lectr.

Forestry, v. Agric.

French

Henning, I., D. de l'U. Paris, B.A. McCaughey Prof.
Jackson, R. F., B.A. Sr. Lectr.
Woodward, L. D., D. de l'U. Paris, B.A. Sr. Lectr.
Tallon, G.-M., L. ès L., Ag. des L. Paris Lectr.

Geography

Holmes, J. M., B.Sc., Ph.D. Glas. McCaughey Prof.
Andrews, J., Ph D. Camb., B.A. Sr. Lectr.
Mackenzie, W. D., B.Sc. Lectr.

Geology and Phys. Geog.

Marshall, C. E., D.Sc. Birm., Ph.D. Durh., F.G.S. David Prof. and Hovell Lectr.
Osborne, G. D., Ph.D. Camb., D.Sc (on leave) Reader.
Quodling, Florrie M., B.Sc. Lectr.
Thirlaway, H. I. S., B.Sc. Durh., F.G.S. (Geod. & Geophys.) Lectr.
Rickwood, F. K., B.Sc. (Palæontology & Stratig.) Lectr.
Coleman, P. J., B.Sc. W. Aust. Lectr.

German and Comparative Lit.

Farrell, R. B., Dr.Phil. Berlin, M.A. McCaughey Prof.
Crossley, R. G., Dr.Phil. Freiburg, B.A. W. Aust. Sr. Lectr.

Greek

Trendall, A. D., M.A. Camb., M.A., Litt.D. N.Z. (on leave) Dean & Prof.
Shipp, G. P., M.A. Camb., B.A. (Comp. Philol.) Reader.
Treweek, A. P., B.A (on leave) Sr Lectr.
Quincey, J. H., M.A. Oxon. Lectr.

Histology and Embryol., v. Anat.

History

Ward, J. M., M.A., LL.B. (on leave) Challis Prof.
McDonald, A. H., M.A. Camb. and N.Z., Ph.D. Camb., LL.D. Glas. (Anc World) Prof.
Jacobs, Marjorie G., M.A. Sr. Lectr.
MacCallum, D. M., B.A. Lectr.

Italian

Shaw, R. A., M.A. Melb. (on leave) Sr. Lectr.
McCormick, C., B.A. Camb. Lectr.

Latin

Smith, R. E., M.A. Camb. Prof.
Shipp, G. P., M.A. Camb., B.A. (Comp. Philol.) Reader.
Powe, A. B., M.A. Q'ld. Sr. Lectr.
Robinson, A. H., M.A. (on leave) Sr. Lectr.
Nicholls, J. J., M.A. Camb., B.A. Lectr.

Fitzhardinge, L. F., M.A., B.Litt. Oxon., B.A. Lectr.

Law, v. *infra*

Mathematics, Pure and Applied

Room, T. G., M.A. Camb., F.R.S. 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.
Thorne, H. H., M.A. Camb., B.Sc., F.R.A.S. Sr. Lectr.
Smith-White, W. B., M.A. Camb., B.Sc. Sr. Lectr.
Chong, F., M A. Camb., M.Sc. (on leave) Sr. Lectr.
Mulhall, H., B.Sc. (on leave) (Appl. M.) Lectr.

Medicine, v. *infra*

Mining, v. Engineering

Music

Peart, D. R., B.A., B.Mus. Oxon. Prof.

Oriental Studies

Lake, Margaret E , B.A. Actg. Lectr.

Pharmacology

Thorp, R. H., Ph.D., B.Sc. Lond. Prof.

Pharmacy

Large, Dorothy K., B.Sc. (on leave) Lectr.

Philosophy

Anderson, J., M.A. Glas. Challis Prof.
Walker, Alice R., B.A. Lectr.
Rose, T. A., B.A. Lectr.
Baker, A. J., B.Phil. Oxon., B.A. Lectr.

Philosophy, Political and Moral

Stout, A. K., M.A. Oxon. Prof.
Mackie, J. L., M.A. Oxon., B.A. Lectr.

Physics

Love, W. H., Ph.D. Camb., B.Sc. Actg. Prof.
Bailey, V. A., M.A., D.Phil. Oxon., F.I.P. (Experimental P.) Prof.
Makinson, R. E. B., Ph.D. Camb., B.Sc. (on leave) Sr. Lectr.
Fraser, M., M.A., D.Phil. Oxon. Sr. Lectr.
Builder, G., Ph.D. Lond., B.Sc. W. Aust. Sr. Lectr.
Guest, P. G., M.Sc. Lectr.

Physiology

Cotton, F. S., D Sc. Prof.
McQuiggin, H. G., B.Sc., M.B., Ch.M. Sr. Lectr.
Lawrence, W. J., M.Sc. Sr. Lectr.
Carlile, F., B.Sc. Lectr.

Psychology

O'Neil, W. M., M.A. McCaughey Prof.
Hammer, A. G., M.A. (on leave) Sr. Lectr.
..... Lectr.
Champion, R. A., B.A. Lectr.
Radcliffe, J. A., B.A. Lectr.

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. Washington Actg. Director and Sr. Lectr. (Social Case Work).

Lecturers

Radcliffe, J. A., B.A. (Psychol.)
Dawson, W. S., M.A., D.M., B.Ch. Oxon., D.P.M., F.R.C.P., F.R.A.C.P. (Mental Health).
Ford, E., O.B.E., M.D., B.S. Melb., D.P.H. Lond., D.T.M., F.R.A.C.P. (Biol. and Soc. Hygiene).

Forbes, B. R. V., M.B., Ch.M. (Biol. and Soc. Hygiene).
Murray, R. E., B.Sc., M.B., D.T.M. (Biol. and Soc. Hygiene).
Stout, A. K., M.A. Oxon. (Soc. Philos.).
Sebire, Irene B. M. B., B.S. Melb., D P.M. (Mental Health).
.....
(Legal Aspects of Social Case Work).
Davies, Eneid, Dip.Diet. Lond. (Nutr. & Family Budgeting)
Laffer, K. M., B.A. W. Aust. (Econ. & Soc Organization).
MacCallum, D M, B A. (Soc. Hist.).
..... (Soc. Hist.).
Maitland, D. W., B.Ec. (Statistics).

Supervisor (Soc. Group Work)

Battle, Betty, B.S. Columbia, Dip.Phys.Ed. Melb.

Pract. Work Supervisor

Booth, Marjorie A., B.Ec., Dip. Soc.Stud.

Statistics

Mulhall, H., B.Sc. Actg. Lectr.

Veterinary Science

Gunn, R. M. C., B.Sc. Edin., D.V Sc., B.Sc.Agr. Prof.
Carne, H. R., D.V.Sc. (V. Path. and Bacteriol.) Dean and Hughes Prof.
Emmens, C. W. D.Sc., Ph.D. Lond. (Vet. Physiol.) Prof.
Whitehouse, F., B.V.Sc. (Zootechny.) Sr. Lectr.
Webb, R. M., B.V.Sc. (V. Anat.) Sr. Lectr.
Geddes, H. J., M.Sc.Agr. N.Z. (Animal Husbandry) Garland Sr. Lectr.
Bain, R. V. S., B.V.Sc. (V. Path. and Bact.) Sr. Lectr.
Steel, J. D., B.V.Sc. (V. Med.) Sr. Lectr.
Gordon, H. M., B.V.Sc. (V. Parasitol.) Lectr.
Drabble, J., B.V.Sc. (Meat Inspection) Lectr.
Blood, D. C., B.V.Sc. (V. Med.) (on leave) Lectr.
Austin, C. R., M.Sc., B V.Sc. (V. Physiol.) Lectr.
Franklin, M. C., M.Sc N Z., Ph D. Camb. (Animal Nutrition) Lectr.
Hindmarsh, W L., B V.Sc. (V. Epidemiol.) Lectr.
Hungerford, T. G., B.V Sc. (Poultry Diseases) Lectr.
Belschner, H. G., D.V.Sc. (Sheep Diseases) Lectr.
Gill, D. A., D.V.S.M. (V. Jurisprud.) Lectr.

Zoology

Murray, P D. F., M A. Camb., B.Sc. Oxon., D.Sc. Challis Prof.
Briggs, E. A., D.Sc. Reader.
Colefax, A. N., B.Sc. Sr. Lectr.
Birch, L. C., D.Sc. Adel., B.Agr.Sc. Melb. Sr. Lectr.
Woodhill, A. R., B Sc.Agr. (Entomol.) McCaughey Sr. Lectr.
Salter, K. E. W., B Sc. (Entomol.) Lectr.

Engineering

Aeronautics

Stephens, A. V., M.A. Camb., F.R.Ae.S. Prof. and Dean.
Wittrick, W. H., M.A. Camb. Sr. Lectr.

Chemical E.

Hunter, T. G., D.Sc., Ph.D. Birm. Prof.
Copp, E. J. R., B.Sc. Lond. Hon. Lectr.
Parker, H. H. S., B.Sc. Lectr.
Ellis, J. N., B.E. Lectr.

Frith, J. F. S., B.Sc. Birm. Lectr.

Civil E.

Miller, W. A., B.Sc. Glas., M E. Challis Prof.
Vogan, H. J., B.E. Reader.
Aston, R. L., M.Sc., Ph.D. Camb., B Sc., B.E. (Surveying, etc) Sr. Lectr.
Gray, C A M , B Sc., B.E. Sr Lectr.
Potter, O. S., B.Sc., B.E. Sr. Lectr.
Debenham, A. J., B.E. (Harbour and Docks) Lectr.
Munday, S. M., B.Sc , B E. (Irrigation) Lectr.
Rossback, F. B , B E. (Water Supply and Sewerage) Lectr.
Hawkins, C. A., B E. (Road E.) Lectr.
Sutherland, G B. H , B.E (Regional Planning) Lectr.

Electrical E.

Myers, D. M., D.Sc. Eng., F.I.P. Russell Prof.
Campbell, E. F., B E. Sr. Lectr
Doe, A. G., B.Sc., B.E. Sr. Lectr.
Aitchison, R. E , M.Sc. (Communication Engr.) Sr. Lectr.
Robinson, R. B., B.Sc., B.E. Sr. Lectr.
Munro, G. H., M.Sc. N.Z. Hon. Lectr.

Mechanical E.

McDonald, G. G., B.Sc., Ph.D. Glas. (on leave) Russell Prof.
Gibson, W. H. H., B.Sc., M.E. Reader.
Hart, K. R. M , B.Sc., M.E. Sr. Lectr.
Vonwiller, G. B., B.Sc., B.E. (E. Des. and Draw.) Sr. Lectr.
Peterson, V. R., B.A., B.Sc., B.E. Lectr.
Boomsma, M., Ing. Amst. (E. Des. and Draw.) Lectr.
Butcher, A. C. Hon. Lectr.
Ross, G. F. Hon. Lectr.

Mining E.

Adams, P. L., B.Sc. Birm. (Coal M.) Sr. Lectr.
Salter, J. W. Russell Lectr.

Law

Shatwell, K. O., B.A., B.C.L. Oxon. Challis Prof. and Dean.

Bankruptcy

Macfarlan, B. P., O.B.E., B.A., LL.B. Challis Lectr.

Company Law

McLelland, C., B.A., LL.B. Actg. Lectr.

Constitutional Law

Holmes, J. D., K.C , B.A., LL.B. Lectr.
Currey, C. H., M.A., LL.D. Lectr.

Contracts and Mercantile Law

Evans, J. D., B A., LL B. Challis Lectr.

Conveyancing

Watts, P. R., B.A., LL.B. Challis Reader.

Criminal Law

Treatt, V. H., M.M., K.C., B.A., B.C.L. Oxon., B.A. Challis Lectr.

Equity Law

Stephen, F. C., B.A., LL.B. Challis Lectr.

Industrial Law

Sheldon, W. S., B.A., LL.B. Hyman Lectr.

International Law and Jurispr.

Stone, J., B.A., D.C.L. Oxon., LL.M. Leeds, S.J.D. Harv. Challis Prof.

Law

Thomson, D. C., B.A., LL.B., W. Aust. Sr. Lectr.
Benjafield, D. G., LL.B. (on leave) Lectr.

Legal Ethics

Teece, R. C., K.C., M.A., LL.B. Perry Lectr.

Legal Interpretation
Monahan, C. D., LL.B. Actg. Challis Lectr.

Lunacy Law
Barraclough, F. E., M.A , LL.B. Lectr.

Probate and Admiralty
Hutley, F. C , B.A., LL.B. Lectr.

Procedure, Evidence and Pleading
McMinn, W., B A , LL B. Challis Lectr.

Property and Divorce
Hope, R. M., LL.B. Challis Lectr.

Roman Law
Flattery, T. P., M.A., LL B. Challis Lectr.

Torts and Private International Law
Morison, W. L., B.A., LL.B. (on leave) Lectr.

Medicine

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

Anæsthetics
Hotten, W. I. T., M.B., Ch.M., D.A., F.R.A.C.P. Lectr. and Tutor.

Tutors
Lamrock, J. J. C., M.B., Ch.M.
Marshall, S. V., M.B., Ch.M., D.A.
Daly, H. J., M.B., Ch.M.
Shea, L. T., M.B., B.S.
Jobson, P. L., M.B., B.S.
Rundle, F. F., M.B., B.S.
McCulloch, J. F., M.B., Ch.M.
Paton, C. N., M.B., Ch.M., D.A.
Radcliff, J. R., M.B., B.S.

Bacteriology
Ward, H. K., M.C., M.B., D.P.H. D.A. Oxon., F.R.A.C.P. Bosch Prof.
de Burgh, P. M., M.B., B.S. (on leave) Sr. Lectr.
Swaby, R. J., Ph.D. Lond., M.Sc., M.Agr.Sc. Melb. (General Bacteriol.) Sr. Lectr.

Child Health
Dods, L. F., M.V.O., M.D , Ch.M., D.C.H., F.R.A.C.P. Prof.

Diseases of Ear, Nose, Throat
Halliday, G. C., M.B., Ch.M., F.R.C.S. Lectr.

Diseases of the Skin
Belisario, J C., O.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.A.C.S. Lectr.

Gynæcology, Clinical
Tutors
Chapman, C L., D S.O., V.D , M.B., Ch.M., F.R.C.S., F.R A.C.S.
Chenhall, F. N , M.B , B.S , F.R.C.S., F.R.A.C.S.
Porter, H. K., M.B., Ch M.
Fraser, M. B., M.B., M.S.
McIlrath, Muriel B., M B., B.S., F.R.C.S.
Stening, M. J. L., M.D., B.S., F.R.C.S., F.R.A.C.S.
Duggan, A. R. H., M.B., Ch.M., F.R.A.C.S.
Kennedy, M. M., M.B., B.S
McGarrity, K. A., M.B., B.S.
Salisbury, C. V., F.R.C.S.
Studdy, A S. B., M B., Ch.M.
Gerrard, Gwendoline, M.B., B.S.

Infectious Diseases
Symington, N. J., M.B., Ch.M. Lectr.

Medical Jurispr. and Ethics
Sheldon, S., M.B., Ch.M., B.Sc. (Med. Jurispr.) Lectr.
Hunter, J. G., M.B., Ch.M., B.Sc. (Med. Eth.) Lectr.

Medicine
Lambie, C. G., M.C., M.D., Ch.B. Edin., F.R.C.P. Bosch Prof.

Tyrer, J. W. H., M.B., B.S. Lectr.
Morrow, A. W., M.B., B.S., F.R.A.C.P. (Therapeutics) Lectr.
Brown, K. S M., M.B., Ch.M. (Hist. of Med.) Lectr

Medicine, Clinical

Lecturers

McDonald, C. G., M.B., Ch.M , F.R.A.C.P.
Collins, A. J., D.S.O., M.C., M.B., Ch.M., F.R.A.C.P.
Susman, E. L., M.B., Ch.M., F.R.A.C.P.
Greenaway, T. M., M.B., 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., F.R.A.C.P.
Jeremy, R., M.B., Ch.M., F.R.A.C.P.
Allen, S. D., M.B., Ch.M., F.R.A.C.P.
Brodziak, I. A., M.B., B.S.
Lawes, F. A. E., M.B., Ch.M.

Medical Tutors

Back, R. F., M.B., Ch.M.
Goulston, S. J. M., M.C., M.B., B.S.
Harris, R. L., M.B., B.S.
Harrison, K. S., M.B., B.S., D.T.M.
Joseph, M. R., M.B., B.S., B.Sc.
Ross, D. M., M.B., Ch.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.
Markell, P. J., M.B., Ch.M.
Sibree, E. W., M.D., B.S.
Spedding, R. L., M.B.
Nelson, S. G., M.B., B.S., B.Sc.
Saxby, N. H. W., M.B., B.S.
Bateman, T. P. G., M.B., B.S.
Cobley, J. F. C., M.B., B.S., D.A.
Sands, J. R., M.B., B.S.
Corlette, E. L., M.B.E., M.B., B.S.
Fisher, W. E., M.D., Ch.M., F.R.A.C.P.
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.
Hall, G. V., M.B., B.S.
Haynes, B. G., M.B., B.S.
O'Halloran, M.A., M B., B.S
Anderson, D. J., M.D., B.S., F.R.A.C.P.
Brodziak, I. A., M.B., B.S.
Wilson, F. H. H., M.B.
Isbister, J. I., M.B., B.S.
Puflett, R. D., M.B., B.S.
Dalton, W. R., M.B., B.S.
Manning, W. K., M.B., B.S.
Conomy, A. B., M.B., B.S.
Ritchie, F. L., M B., B.S.
Nelson, Willa, M.B., B.S.
Taylor, Helen M., M.B., B.S.
Bradfield, S. G., M.B., B.S.
Latham, J. V., M.B., B.S.

Newborn, Care of

Lecturers

Winning, Kathleen M., M.B., Ch.M., D.C.H.
Cunningham, N. C., M.B., B.S., F.R.A.C.P.
Stening, S. E. L., M.B., B.S., D.C.H.
Isbister, Jean S., M.B., B.S.

Obstetrics

Mayes, B. T., M.V.O., M.B., B.S., F.R.C.S.Ed., F.R.A.C.S., F.R.C.O.G. Prof.
Maitland, D. G., M.B., B.S., B.Sc., D.R. Edin. (Radiological Obstet.) Lectr.
Heseltine, Mary J., M.B., B.S. Melb. (Bact. & Path. in Obstet.) Lectr.

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.
Grant, A. M. B., M.B., B.S., F.R.C.S.
Moon, A. A., M.B., Ch.M., F.R.C S

Obstetrics, Clinical

Lecturers

Lowe, G. B., M.B., Ch.M., F.R.C.S. Ed., F.R.A.C.S., F.R.C O.G.
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.

Ophthalmology

Gregg, N. M , M C., M.B., Ch.M., F.R.A.C.S., D.O.M.S. Lectr.

Pathology

Inglis, W. K , M.D., Ch.M., F R.A.C.P. Prof.
..... Sr. Lectr.
Cameron, D. A., M.D.S. (Dental Path.) Sr. Lectr.
Reye, R. D K., M.D., B.S. Lectr.
McGovern, V. J., M B., Ch.B. N.Z. 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. Prof.

Psychiatry

Dawson, W. S., M.A., D.M., B.Ch. Oxon., D.P.M., F.R C.P , F.R.A.C.P. Prof

Tropical Medicine

Baldwin, A. H., M.B., B.S., D.P.H. Melb., D T.M & H. Lond., F.R.A C P Prof.

Surgery

Dew, H. R., M.B., B.S. Melb., F.R.C.S.Eng., F.A.C.S., F.R.A.C.S. Dean and Bosch Prof.

Surgery, Clinical

Lecturers

Flynn, M. R., B.A., M D., Ch.M., B Sc., F.R.A.C.S.
MacMahon, J. S., M.B., Ch.M., F.R.C.S., F.R.A C.S
Niesche, F. W , M.B , M S Melb
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.
Loewenthal, L S , M B , Ch M , F R A C S
Goulston, E. H., M.B., B.S., F.R C S I , F.R A C S.
Wesley, C. H., M B , Ch.M.
Susman, M P., M B , Ch M., F.R.C S., F.R A.C S

Tutors

Johnson, A. S., M.B., M.S., F.R.A.C.S.
Lovell, S. H., M.B., M.S., F.R.A.C.S.
Barling, E. V., M.B., B.S., F.R.C.S., F.R.A.C.S.
Turnbull, H. I., M.B., B.S , B.Sc., F.R.C.S., F.R.A.C.S.
Findlay, A. P., M.B., Ch.M.
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.
McGrath, W. S., M.B., B.S.
MacMahon, E. G., M.B., Ch.M.
May, L., D.S.O., M.C., M.B., Ch.M., F.R.C.S., F.R.C.S.Ed.
Windsor, H. M. J., M.B., M.S., F.R.A.C.S.
Loewenthal, J., M.S. Melb., M.B., B.S., F.R.C.S.
Mills, F. H., 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
Rose, T. F., M.B , B.S., F.R.C.S., F.A.C.S., F.R.A.C.S.
Fagan, K. J. B., M.B., M.S., F.R.A.C.S.
Maxwell, C. M , M B., M S , F R A C S
Peipman, E. V., M B , M.S.
Wilson, T. E., M.D , M.S., M.Sc. Melb , F.A C.S., F.R.C.S., F.R A.C.S.
Cunningham, Kathleen, M.B., M.S., F.R.A.C.S.
Stuckey, E. S., M.B., M.S.
Flynn, M R., B.A., M.D., Ch.M., B Sc , F R.A.C.S.
Rundle, F F , M D , B.S., F R.C.S.

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.
Graham, C. H., D.D.S. Northwestern, M.D.S. (Prosthetic D) Sr. Lectr
Lyell, J. S., B.D S (Oper. D.) Sr. Lectr.
Gabriel, A. C., D.D.Sc. (D. Anat. and D. Histol.) Sr. Lectr.
Cameron, D. A., M D.S. (D. Pathol.) Sr. Lectr.
Martin, N. D., M.D.S. (Prosthetic D.) Sr. Lectr.
Mackinnon, K. P., M.D.S. (Prosthetic D.) Sr. Lectr.
Wilson, J. H., D.D.Sc. (Prosthetic D. and D. Const.) Lectr.
Wallace, E. S., D.D Sc. Melb., B.D.S. (Dental Mat. Med.) Lectr.
Kirkpatrick, R. M., D.D.Sc. (Periodontia and D. Pathol.) Lectr.
Grainger, W. A., M.D.S. (Ceramics) Lectr.
Ash, W. P., B.A., LL.B. (D. Jurispr.) Lectr.
Benson, W. N., D.D.Sc. (Orthodontia) Lectr.
Goldsworthy, N. E , Ph.D., D.T.M. & H., D P.H. Camb , M.B., Ch M. (D Bacteriol.) Lectr.
Cloutier, R. Q. M., D.D.S. Tor., B.D.S (Periodontia) Tutor.
Flynn, M. R., B.A., M.D., Ch.M., B Sc. (Surg.) Tutor.

University Extension

Oliver, H. J., M.A.
Secy. to the Board.

Tutorial Classes

Wilson, J. L. J., B.A. N Z.
Actg. Director.
Higgins, E. M., B.A. Melb.
Actg. Asst. Director.
7 Full-time Tutors and 59 Tutorial Class Lectrs.

COLLEGES WITHIN THE UNIVERSITY

ST. PAUL'S COLLEGE (Anglican). Warden—Rev. F. R. Arnott, M.A. Oxon. Sub-Warden—R. L. Harris, M.B., B.S. 12 other Lectrs.

ST. JOHN'S COLLEGE (R.C.). Rector—Rev. J. C. Thompson, M.A., Dip.Ed. Oxon. Vice-Rector—Rev. W. J. Cantwell. 9 other Lectrs.

ST. ANDREW'S COLLEGE (Presb.). Actg. Principal—Rev. E. James, B.A., B.D. Wales. 3 Fellows and 10 Profs. and Lectrs.

WESLEY COLLEGE (Methodist). Master—Rev. B. R. Wyllie, M.A., B.D. Melb. Vice-Master—L. C. Birch, D.Sc. Adel., B.Agr.Sc. Melb. 16 Lectrs.

THE WOMEN'S COLLEGE (undenominational). Principal—Helen E. Archdale, LL.M. Lond., B.A. McGill. 8 Lectrs.

SANCTA SOPHIA COLLEGE (R.C. Women). Principal—Rev. Mother Nita Macrae, B.A. Vice-Principal—Mother Mary Arnold, M.A. Melb. and Syd. 7 Lectrs.

COLLEGE OUTSIDE THE METROPOLITAN AREA

NEW ENGLAND UNIVERSITY COLLEGE, ARMIDALE, N.S.W. Established by the University of Sydney, 1938. *See* p. 810.

GENERAL INFORMATION

Founded by Act of the N.S.W. Legislature in 1850, the Univ. was granted a Royal Charter in 1858. Its development has been largely due to private benefactions: notably those of J. H. Challis—£250,000—in 1880; T. Fisher—£30,000 for Library—in 1885; P. N. Russell—£100,000 for School of Engineering, etc.—in 1896 and 1904; W. O. Watt, £78,354, 1925–28; and G. H. Bosch, £249,000, 1927–28. Under the will of Sir S. McCaughey it receives an annual income which amounted in 1945 to £16,000. In 1912 the Statutory endowment was raised from £10,000 to £20,000, with provision for further automatic increases, and at the same time the constitution of the governing body, called the Senate, was altered so as to include 6 nominees of the Govr. and Parliament (one-fourth of the whole number). In 1917–18 the Statutory endowment was further increased to £32,000, including £2000 for the new School of Archit. In 1919 the State provided £50,000 a year for 6 years for additional buildings. The Faculties were, in that year, increased from 4 to 10. From Jan. 1938 the Statutory endowment was fixed at £100,000 p.a., being an increase of £32,000 p.a. on the previous total of Govt. grants; an additional grant of £25,000 p.a. has been approved from July 1947. The grounds, which include the sites of the Colleges grouped round an oval, cover 140 acres.

Provision was made by Act of Parliament soon after the foundation of the Univ. for endowing such Colleges as might be established within it, to the extent of £20,000 in aid of building and £500 p.a. towards the Principal's salary.

Under an Act passed at the end of 1937 the Senate is empowered to establish and maintain Colleges outside the Sydney metropolitan area. These will be under the control of the Senate through an advisory committee for each College acting under By-laws made by the Senate. Students will be admitted to degrees of the Univ. of Sydney. The first College has been established at Armidale, 360 miles distant from Sydney (v. p. 810).

The FISHER LIBRARY, 1949, expenditure £7258, 313,299 vols. MUSEUMS: Nicholson collection of Egyp., Greek and Roman Antiq.; Macleay Nat. Hist.; Anat., Geol., and Zool.; Obstetric, Materia Medica. LABORATORIES: Schools of Med., Engin. and Archit. (atelier), Bot., Chem. (including Metall. and Research), Geol., Phys., Zool. HOSPITALS—recognized clinical schools: Royal Prince Alfred, Sydney, St. Vincent's (General), The Royal North Shore, Repatriation General (Concord) and Rachel Forster Hospital for Women and Children; Royal Hospital for Women and Women's Hospital, Crown St., King George V Memorial Hospital for Mothers and Babies (Obstet. and Gynæc.); Royal Alexandra Hospital for Children (Pædiatrics); a number of others are recognized for special postgraduate training.

FACULTIES AND DEANS. Arts, Prof. A. D. Trendall (Greek); Law, Prof. K. O. Shatwell; Medicine, Prof. H. R. Dew (Surgery); Science, Prof. N. A. Burges (Botany); Engineering, Prof. A. V. Stephens (Aeronautical Eng.); Dentistry, Prof. A. J. Arnott; Vet. Science, Prof. H. R. Carne (Vet. Pathol.);

Agriculture, Prof. J. R. A. McMillan; Economics, Prof. S. J. Butlin; Architecture, Prof. H. I. Ashworth.

COMMONWEALTH SCHOOL OF PUBLIC HEALTH AND TROPICAL MEDICINE. The School acts as the teaching and examn. centre for the Univ.'s Diplomas of Public Health, Trop. Medicine, and Trop. Hygiene. In addition a course in Preventive and Social Medicine is given for undergraduate students. Courses are also given in Architectural Hygiene, Social Hygiene, Trop. Hygiene 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 and 11 technical officers. The D.P.H. requirements are those of the General Medical Council of Gt. Britain, the D.T.M. & H. corresponds 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. An excellent Library, especially in Trop. Medicine and Hygiene, is available. Accommodation is available for research students.

DEGREE COURSES. 1 yr. (after completing 3 yrs. in Medicine)—B.Sc.(Med.); 3 yrs.—B.A., B.Sc.; 4 yrs.—Hons. B.A., Hons. B.Sc., B.Sc.For., B.Sc. in Agric., B.Ec., LL.B., B.D.S., B.E. (in Civil Engineering, Mechanical and Electrical Engineering, Mining and Metallurgy, Chemical Engineering or Aeronautical Engineering; 5 yrs.—B.V.Sc., B.Arch., Hons. B.Sc. in Agr.; 6 yrs.—M.B., B.S.; 2 yrs.' advanced study or research (after full 3 yrs.' course at another Univ.)—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. degree is obtainable in 2 yrs. after graduation in another Faculty. HIGHER DEGREES —Master's degree: Arts, Education, Economics, Surgery, Science, Dental Surgery, Engin., Agriculture. Doctorates: Letters, Law, Medicine, Science, Engin., Dent. Science, Vet. Science, Agriculture, Philosophy. DIPLOMAS—Postgraduate: Education, Anæsthesia, Cl. Pathology, Dermatological Med., Gynæc. and Obstets., Laryngology and Otorhinology, Ophthalmology, Psychological Medicine, Public Health, Diagnostic Radiology, Therapeutic Radiology, Trop. Medicine and Hygiene; not restricted to graduates: Anthropology, Pharmaceutical Science, Social Studies.

RECOGNITION OF STUDIES ELSEWHERE. A considerable portion (in Med. at least 3 yrs.) of the curriculum for a Degree must be taken in Sydney. Holders of the Honours Diploma of the *Hawkesbury Agricultural College* or any college of similar standing who have passed the Intermediate Certificate Examn. in matriculation subjects may be admitted as matriculated students in Vet. Sci. or Agriculture.

FEES. Matricn., £3; degree of B.A., B.D., B.Sc., B.Sc. (Med.), B.Sc.For., B.Sc.Agr. and B.Ec., £3; B.V.Sc., M.A., M.Sc., M.Sc.Agr. and M.Ec., £5; LL.B., M.B., B.S., B.E., M.E., B.D.S., M.D.S. and B.Arch., £10; Doctor in any Faculty, £20; degree courses in Arts, (Pass, 3 yrs.) £119, (Hons. in one School, 4 yrs.) £126, (Hons. in two Schools, 4 yrs.) £147; Divinity, 2 yrs.,

£25; Law, 4 yrs., £164 (Arts subjects additional); Medicine, 6 yrs., £324 (excluding hospital attendance, £20, and practical Midwifery, £22); Science, (Pass, 3 yrs.) £151, (Hons., 4 yrs.) £178; Engineering, 4 yrs., (Civil, Mech. and Elect., and Aeronautical) £241, (Chemical and Mining and Metallurgical) £261; Dentistry, 4 yrs., £231 (excluding Dent. Hospl., £15 p.a.); Vet. Science, 5 yrs., £235 (excluding residence at Univ. Farm, £84); Agric, (Pass, 4 yrs.) £184, (Hons., 5 yrs.) £211; Economics, 4 yrs., £156; Architecture, 5 yrs., £268.

SCHOLARSHIPS, ETC., FOR GRADUATES. Demrs. are appointed annually in each Scientific Dept. with the obligation to carry out research under the direction of the Prof.; 14 travelling scholarships or fellowships are awarded from time to time for postgrad. study and research abroad; in addition, there is a limited number of postgrad. scholarships which may be held locally; 4 Macleay Fellowships of £400 p.a. each are awarded by the Linnean Society to B.Sc.s.

RESIDENCE. The four denominational Colls. (v. *supra*) provide accommodation for about 439 students; the Women's Coll. for about 91, and Sancta Sophia College for 70 R.C. women students.

UNIVERSITY EXTENSION LECTURES are given in courses of from 3 upwards in Sydney and numerous local centres. *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. In 1949 the expenditure for this purpose was £22,773; 12 tutorial classes (enrolment, 3331), 144 discussion groups (enrolment, 2156) and 57 kit groups (enrolment, 795) were conducted during the year.

PUBLICATIONS. *Calendar*, with annual report; Annual Examination Papers in sets; Account of research and scholarship and Reprints of Scientific Papers by members of the Staff; The *Union Recorder* (weekly during Term); Handbooks of Faculties of Arts, Dentistry and Economics and to the Nicholson Museum of Antiquities.

THE YEARS 1949, 1950*

BENEFACTIONS, 1949. F. M. White Bequest, towards Chair of Dom. Sci. at New England Univ. Coll., Armidale, or if this is not established, for general purposes of the coll., £3200; John Downing Memorial Prize for Proficiency in Practical Agric., £500; Lebanon Ladies' Assoc., towards Scholps. in the Fac. of Arts, £1000; Estate late Dr. G. Walker, for such purpose as the Fac. of Med. may determine (not yet decided), £1146.

NEW DEPARTMENTS AND POSTS. Lectureship in Geod. and Geophys. (Dept. of Geol.); Lectureship in Palæontol. and Stratigraphy (Dept. of Geol.); Chair of Vet. Physiol.; Chair of Child Health; Lectureship in Med. (Dept. of Med.).

RETIREMENTS. G. Dale (Registrar); Dr. H. S. H. Wardlaw (Biochem.); Dr. P. Brough (Bot.); Dr. W. R. Browne (Geol.); R. J. Lyons (Maths.).

RESIGNATIONS. R. H. Kenny (Anat.); R. K. Harris (Archit.); I. G. Ross (Chem.); J. A. La Nauze (Econs.), on appt. as Prof. of Economic Hist., Univ. of Melbourne; J. K. Rideout [*since deceased*] (Oriental Studies), on appt. as Director of Inst. of Sinological Research, Hong Kong; T. B. Nicol

* Up to July 1950.

(Civil Engin.); H. M. Sherrard (Civil Engin.); J. A. Passmore (Philos.), on appt. as Prof. of Philos., Univ. of Otago; R. H. Healey (Physics); J. A. Cardno (Psychol.), on appt. as Sr. Lectr. in Psychol. at Univ. of Tasmania; G. C. Willcocks (Clin. Med.); W. Evans (Clin. Med.); W. W. Ingram (Clin. Med.); R. E. Armati (Clin. Med.); H. M. Rennie (Clin. Med.); H. Hunter (Anæsthetics); E. M. Fisher (Clin. Surg.); H. H. Jamieson (Clin. Surg.).

DEATHS. Prof. A. J. A. Waldock (English); F. W. W. Rhodes (English); Prof. J. K. Rideout (Oriental Studies); H. M. Larkins (Civil Engin.); Dr. R. A. M. Allen (Clin. Med.).

STUDENTS, 1948. Total: 10,535; full-time: 9507; pt.-time: 1028; the total includes 2060 women and 275 postgraduates.

1949 Total: 9987; full-time: 8978; pt.-time: 1009; the total includes 2054 women and 195 postgraduates.

DEGREES, 1948. B.A., 273; M.A., 13; LL.B., 65; B.Sc., 168; M.Sc., 32; D.Sc., 2; B.Sc.For., 5; M.B., 131; B.S., 133; M.S., 9; M.D., 3; B.E., 119; M.E., 1; B.D.S., 51; M.D.S., 5; B.V.Sc., 36; B.Sc.Agr., 24; B.Ec., 79; B.Arch., 10. 1949. B.D., 1; B.A., 442; M.A., 15; LL.B., 104; B.Sc., 217; M.Sc., 36; D.Sc., 1; B.Sc.For., 4; M.B., 2; B.S., 8; M.D., 1; B.E., 147; M.E., 1; B.D.S., 68; M.D.S., 5; D.D.Sc., 1; B.V.Sc., 48; B.Sc.Agr., 39; D.Sc.Agr., 1; B.Ec., 64, M.Ec., 1; B.Arch., 17.

NEW ENGLAND UNIVERSITY COLLEGE

Founded 1938

Address—Armidale, New South Wales.

WARDEN—R. B. MADGWICK, D.Phil. Oxon., M.Ec.
REGISTRAR—W. M. ROBB, M.A.
LIBRARIAN—EDITH M. TATTERSALL, B.A. W. Aust.

TEACHING STAFF

Chemistry

Dudley, F. B., B.Sc. Melb. Sr. Lectr.
Lewis, K. G., B.Sc. Adel. Lectr.
Stimson, V. R., B.Sc. Lectr.

Classics and English

Letters, F. J. H., M.A., LL.B. Sr. Lectr.
McKenzie, K. A., M.A., Dip.Ed. Melb., D. de l'U. Paris Sr. Lectr.
O'Brien, C. J. H., M.A. Lectr.
Duhigg, J., M.A. Camb., B.A. Lectr.
Liggins, Elizabeth, M A. Lectr

Economics and History

Belshaw, J. P., M.A. N.Z., Ph.D. Manc. Sr. Lectr.
Tapp, E. J., M.A. N.Z. Lectr.
Russell, E. A., B.A. Camb., B.A., B.Com. Melb. Lectr.
Duncan, R., B.A. Adel. Lectr.
Mackay, D. F., B A Melb. Lectr.

Education

Bassett, G. W., Ph.D. Lond., M.A., Dip.Ed. Lectr.
Crane, A. R., B.Ed. Melb., M.A. Lectr

French and German

Blanche, Isabel M., Dip. d'Ét. U. Paris, B.A. Sr. Lectr.
Champenois, G. L., L. ès L. Paris Lectr.
Holloway, F., B.A., Dip.Ed. Wales, M.A. Oxon. Lectr.
Spindler, O., Ph.D. Vienna Lectr.

Geology and Geography

Voisey, A. H., D.Sc. Sr. Lectr.
Thorpe, E W. R., B.Sc. Sr. Lectr.

Mathematics and Physics

Somerville, J. M., M.A. Camb., B.Sc F.I.P. Sr. Lectr.
Smith, R. A., B Sc. Sr. Lectr.
Smith, R. C. T., M.A , B.Sc. Melb., D.Phil. Oxon. Sr. Lectr.
Taylor, N. W , M Sc. Lectr.
Horadam, A. F., B.Ed. Melb., M.A., Dip.Ed. Lectr
Horadam, Mrs. Eleanor M., M.A. Camb , B.Sc. (Eng.) Lond. Lectr.

Philosophy and Psychology

Howie, D., M.A. W. Aust., Ph D. Lond. Sr. Lectr.
McIntosh, G. F., B.A. Sr. Lectr.
Barratt, P. E. H., B.A. Lectr.
Bussell, A. C., B.A. Lectr.
Schroder, H. M., B.A Lectr.

Zoology and Botany

O'Farrell, A. F., B.Sc. Lond. Sr. Lectr.
Davis, Gwenda L., B.Sc. Sr. Lectr.
Stock, A., Ph.D. Edin., Ph.D. Vienna Lectr.
Baddams, Greta, B.A., B.Sc. Adel. (on leave) Lectr.
Millington, R. J., B.Sc. Lectr.

GENERAL INFORMATION

The New England University College was established on January 1, 1938, by the Senate of the University of Sydney, under powers given to it by the University and University Colleges (Amendment) Act, 1937. The University College is situated on the Northern Tablelands of New South Wales, about a mile and a half beyond the boundary of the city of Armidale and three and a half miles from the centre of that city. The original University building stands in 183 acres of land and was presented to the college by T. R. Foster in 1937. The Govt. of New South Wales bore the expense of converting it to its present use.

FACULTIES AND COURSES. There are at present two faculties at the New England Univ. Coll.—the Fac. of Arts which was established in 1938, and the Fac. of Science which was established in 1939. Others contemplated are of Agricultural Economics and of Animal Husbandry. Students graduating from the Faculty of Arts take the degree of B.A. (Pass and Hons. Schools) of the Univ. of Sydney. Courses of lectures are given in Engl., Latin, Econ., Hist., Economic Hist., French, German, Philos., Psychol., Educn., Geog. and Maths. Econ. may be taken at New England as a major subject over three (Pass) or four (Hons.) yrs. for the B.A. degree. Students who wish to proceed to the degree of B.Ec. may attend at New England such courses as are common to the Sydney Facs. of Arts and Econ., afterwards transferring to Sydney to complete their courses. Students graduating from the Fac. of Science take the degree of B.Sc. (Pass and Hons. Schools) of the Univ. of Sydney. Courses are given in Maths., Physics, Chem. (Org. and Inorg.), Bot., Zool., Genetics, Geog. and Geol. First-yr. courses for degrees in Medicine, Veterinary Science and Agriculture may be taken at New England, and students may also begin the Pharmacy course. Graduate students may take the Diploma in Education course.

ADMISSION. Candidates for any degree must satisfy the matriculation requirements of the Univ. of Sydney before entering upon the prescribed courses for the degree.

RESIDENCE. Students at the New England Univ. Coll. are required to be in residence at the Coll. unless they are married or unless they live in Armidale with their parents or legal guardians. The New England Univ. Coll. is unique among Univs. in Australia in being almost completely residential.

THE YEAR 1949

STUDENTS. Total: 241, including 45 studying under the Commonwealth Reconstruction Training Scheme for ex-Service men

UNIVERSITY OF TASMANIA

HOBART

Founded 1890

Address—Box 647C G.P O., Hobart.
Telephone—Hobart 7266.

VISITOR—H E. Sir THOMAS HUGH BINNEY, K C B , D S O , Governor of Tasmania.

CHANCELLOR—The Hon Sir JOHN DEMETRIUS MORRIS, M.A., LL.B., Melb.

VICE-CHANCELLOR—Prof. T. HYTTEN, M.A.

REGISTRAR—A. S PRESHAW, B.A. W. Aust.

LIBRARIAN—L. MILBURN, B.A. Lond., F.L.A.

TEACHING STAFF

Accountancy, v. Comm.

Botany

Barber, H. N., M.A. Camb., Ph.D. Lond. Prof.
Curtis, Winifred M., M.Sc. Lond. Lectr.

Chemistry

Kurth, E. E , D.Sc. Prof.
Israel, G. C., M.Sc. N.Z. Sr. Lectr.
Polya, J. B., Dipl. Ing. Chem., D.Sc.Tech. Zürich Sr. Lectr.
Cran, J. E., B.A., B.Sc. Q'ld. Lectr.
Smythe, L. E., M.Sc. Syd. Lectr.

Classics

Elliott, J. R., B.A. Syd., M.A., Dip. Class. Arch. Camb. Prof.
Waters, K. H., M.A. Camb. Lectr.

Commerce

Firth, G. G., B.Sc. (Econ.) Lond. Prof.
Dallas, K. M., B.Com. Lectr.
Soper, C. S., B.Com. Melb. Lectr.
Hewer, A. R., F.I.C.A. (Accy.) Lectr.
Burbury, S. C., LL.B. Lectr.
Asten, W., B.A., Dip Ed. Manc. Lectr.

Education

Hardie, C. D., M A. Camb. Prof
Hills, W., B A. Lectr.
Collins, T. G., B.Sc., Dip.Ed Lectr.
Wilmot, C M., B.A , Dip.Ed. Lectr.
Doe, T. E., B.Sc. Lectr.
Perkins, W. H., B.A., Dip.Ed. Lectr.

Engineering

Burn, A., B.E. Syd., M.Sc., LL.D. Lond. Prof.
Tuck, H. P., M.E., B.Sc. Adel. Assoc. Prof.
Burrell, G J., B.E. (Mech.) N Z. Sr. Lectr.
Newstead, G. H., M.E.E. Melb. Sr. Lectr.
Oliver, A. R., B E. Adel. Lectr.
Griffits, A. E. H., B.Sc. Lond., D.I.C. Lectr.
Brownell, C. D., B.Eng.Sc. Lectr.
Lilley, E. M., B.A. Oxon., B Sc. Lectr.
Horsfall, H. Lectr.

English Lang. and Literature

Taylor, A. B., M.A. Oxon. Prof.

Harwood, F. W., M.A. Melb. Lectr.
Phillips, Joyce E., M.A. Lectr.
Stokes, E , M.A. Syd. Lectr.

Geology

Carey, S W., D.Sc. Syd. Prof.
Banks, M. R., B.Sc. Syd. Lectr.

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., Dip. Ed Lond. 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. Lectr.
Goodman, P. M., LL.B. Syd. Lectr.
Everett, M. G., B A., LL.B. Lectr.
Crisp, M. P., LL.B. Lectr.
Solomon, H. J., LL.B. Lectr.

Mathematics

Pitman, E. J. G., M.A., B Sc. Melb. Prof.
Jaeger, J. C., D.Sc. Syd., M.A. Camb., F.I.P. (Appl. M.) Prof.
Urquhart, M. L., B.Sc. Lectr.
Löwig, H. F. J., D.Nat.Sc. Prague Lectr.
Sprent, P., B.Sc. Lectr.

Modern Languages

Triebel, L. A., M.A. Lond., D.Litt. Prof.
Batt, Jean C., B.A. Lectr.
Wolff, Erica, M.A., Ph.D. Melb. Lectr.

Physics

McAulay, A. L., M.A. Camb., Ph.D. Manc., B.Sc., F.Inst.P. Prof.
Cruickshank, F. D., D.Sc. Assoc. Prof.
Fenton, A. G., B.Sc. Lectr.
Scott, B. I. H , B.Sc. Lectr.

Psychology and Philosophy

Miller, E. Morris, M.A., Litt D Melb., F.B.Ps.S. Prof.
Cardno, J. A., M.A. Aberd. and Camb. Sr. Lectr

Zoology

Hickman, V. V., B.A., D.Sc. Ralston Prof.
Guiler, E. R., B.Sc. Belf. Lectr.

ADMINISTRATIVE OFFICERS

UNIVERSITY OFFICE. Accountant, G. B. Harrison. Registrar's Asst., D. A. Kearney. Asst. Accountant, W. E. Nicholls. Chief Clerk, Martha E. Clarke. Sr. Clerk, Linda E. Weidenhofer.

UNIVERSITY UNION. Sec., A. Lateef.

AFFILIATED RESIDENTIAL COLLEGE

CHRIST COLLEGE. Warden—Rev. A. A. W. Gray, M.A. For University and Theological students only. Accommodation, 36.

AFFILIATED SCHOOLS

MT. LYELL SCHOOL OF MINES AND INDUSTRIES.

HOBART TECHNICAL COLLEGE.

LAUNCESTON TECHNICAL COLLEGE.

GENERAL INFORMATION

Founded in 1890 under an Act of the Tasmanian Legislature, the Univ. was, in 1915, granted a Royal Charter. To the original Faculties—Arts, Science and Law—Commerce was added in 1919 and Engineering in 1922. Music (included under the Faculty of Arts) was taught from 1935 to 1938, but the Lectureship has lapsed. The State Govt. grant for 1949–50 was £68,645, and the Commonwealth Govt. contributed £15,000 to the cost of training ex-Service men. Chemistry and some Engineering subjects are taught under a joint arrangement between the Univ. and the Hobart Techn. Coll.; the Joint Board of Management received a separate grant of £21,500 from the State and £4365 from the Commonwealth for these depts. in 1949–50.

An annual grant (£9000 in 1950) is made by the Commonwealth Government for the purpose of research work and the training of research students.

ADMISSION OF PERSONS OF MATURE AGE. Persons not below 25 yrs. of age who satisfy the Professorial Board that they possess sufficient qualifications for the courses they propose to pursue may be exempted from the ordinary requirements for matricn.

LIBRARY, 68,629 vols. and 12,221 pamphlets. LABORATORIES: Chem., Phys., Zool., Bot. and Geol., and Civ., Elect. and Mech. Engin. Testing plant in Engin. Dept.

DEGREE COURSES. 3 yrs, B.A., B.A. (Hons.), B.Sc., B.Econ., B.Com.; 4 yrs., B.Sc. (Applied), B.Sc. (Applied) (Hons.), B.Sc. (Hons.), B.E., B.E. (Hons.), B.For., B.Econ. (Hons.); 5 yrs., LL.B., LL.B. (Hons.). HIGHER DEGREES: Open to Bachelors of 2 yrs.' standing, M.A., M.Sc., LL.M., M.Com., Ph.D. (Sci. and Engin.); 3 yrs., M.E.; 6 yrs., D.Sc.; 7 yrs., D.Litt.; to Masters of 3 yrs.' standing, LL.D. DIPLOMAS: Postgraduate, Public Administration, 2 yrs.' course; Education, 1-yr. course. CERTIFICATES: Public Administration, Education, 2 yrs.' course. DIPLOMAS of the Affiliated Schools: Elect., Mech., and Struct. Engin., App. Chem., Chem Engin., Metall., Assaying and Metal Mining.

FEES. Matricn., £1 : 1s.; *ad eundem statum*, £1; Admission to Degrees, Bachelors, £3 : 3s. Including examn.: Masters, £10 : 10s.; Doctors, £15 : 15s. Degree Courses (full-time) in Arts (3 yrs.), £53; Science (3 yrs.), about £80; Science (Hons.) (4 yrs.), about £125; Science (Applied) (4 yrs.), about £125; Engin. (4 yrs.), £114; Law (5 yrs.), £97; Economics (3 yrs.), £64, Economics (Hons.) (4 yrs.), about £80; Commerce (3 yrs.), £61. Courses spread over longer periods than the minima would cost more.

PUBLIC EXAMINATIONS. Matricn.; Music (held in conjunction with other Australian Univs.).

PUBLICATIONS. *Calendar* (March), 3s.; *Matric. Examn. Manual* (June), 3s.; *Degree Examn. Papers* (April), 1s.; *Details Degree Examns.* (June), 6d.; Students' Paper, *Togatus* (issued fortnightly).

THE YEAR 1949

BENEFACTIONS. £500 p.a. for 5 yrs. from an anonymous donor; the residue of the estate of the late Emer. Prof. R. L. Dunbabin to endow the Dunbabin Classical Scholp.

BUILDINGS. £369,000 has been approved by the State Govt. for work on the new Univ.

NEW DEPARTMENTS AND POSTS. Prof. Torleiv Hytten, formerly Economic Adviser to the Bank of New South Wales and one-time Prof. of Economics in the Univ., was appointed full-time Vice-Chancellor. The position had previously been a pt.-time one.

CHANGES IN RULES. Degree of Bachelor of Engineering with Hons. established. Rules of Degrees of Bachelor of Laws and Bachelor of Laws with Hons. amended; the course now extends over 5 yrs., the first 2 of which must be taken full-time.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. F. S. Bray, Cambridge (Economics); Prof. J. Burke, Melbourne (Fine Arts); Prof. L. G. H. Huxley, Adelaide (Physics); Prof. H. S. A. Massey, London (Nuclear Physics); Prof. K. C. Wheare, Oxford (Pol. Sci.).

RESIGNATION. Dr. C. D. Finch (Economics), apptd. to Res. Dept. of International Monetary Fund.

DEATH. Emeritus Prof. R. L. Dunbabin.

STUDENTS. Total: 682; full course: 389; part course: 214; external: 79; the total includes 182 women and 18 postgraduates.

DEGREES. B.A., 23; B.A. (Hons.), 8; M.A., 2; LL.B., 4; LL.B. (Hons.), 2; B.Sc., 29; B.Sc. (Hons.), 3; B.For., 2; M.Sc., 3; Ph.D., 1; D.Sc., 1; B.Eng.Sc., 1; B.E., 9; B.Com., 14.

*

THE UNIVERSITY OF WESTERN AUSTRALIA

PERTH

Founded 1911

Address—Nedlands, W.A.

VISITOR—H.E. THE GOVERNOR, Sir JAMES MITCHELL, G.C M.G.

CHANCELLOR—ERIC WILLIAM GILLETT, B A., LL.B.

PRO-CHANCELLOR—ALEXANDER JAMES REID, I.S.O., B.A.

WARDEN OF CONVOCATION—PERCIVAL JAMES BARBLETT, B.A., LL.B.

VICE-CHANCELLOR—GEORGE ALEXANDER CURRIE, B Sc. (Agric.), D.Sc. Aberd., LL.D.

REGISTRAR—COLSELL SANDERS, Ph.D Lond., M A , F.B.Ps S.

ACCOUNTANT—ALEXANDER A. McDONALD, B.A., F.C.A.A.

LIBRARIAN—M. EVALYN WOOD, M.A.

TEACHING STAFF

Agriculture

Underwood, E. J , B.Sc (Agric.), Ph.D. Camb.
Dean, Fac. of Agric., Prof.
Stewart, A. M., B.Sc. (Agric) Sr. Lectr.
Drover, D. P., B.Sc. Syd. Lectr.
Moir, R. J., B.Sc. (Agric) Lectr.
Scutt, P. B., M.Sc. Melb. Lectr.
4 Pt.-time Lectrs., 1 Tech. Asst.

Botany

Grieve, B. J., M.Sc. Melb., Ph.D. Lond. Reader & Hd. of Dept.
Brittan, N. H., B.Sc. Durh. Sr. Lectr.
Baird, Alison M , B Sc Lectr.
Smith, G. G , B.Sc. Lectr.

Chemistry

Bayliss, N. S., B.A. Oxon., B.Sc. Melb., Ph.D. Calif. Prof.
White, D. E., B.Sc., Ph.D. Oxon. (Org. C.)
Reader & Head. of Department.
Elliott, G. A., M.Sc., Ph.D. Lond. Sr. Lectr.
Miller, J., B.Sc., Ph.D. (Org. C.) Lond Sr. Lectr.
Stokes, R. H., D Sc. N.Z., Ph.D. Camb. Sr. Lectr.
Levien, Barbara J., M.Sc. N.Z. Lectr.
2 Grad. Assts., 2 Tech. Assts.

Classics and Ancient Hist.

..... Prof.
Ward, Islay, B.A. Oxon., B.A. Lectr.
1 Pt.-time Lectr.

Dental Science

Radden, H. G., D.D.Sc. Melb., F.D.S.R.C.S.
Prof., Dean Fac. Dent. Sci.
Taylor, R. L., M.D.Sc. Syd. Reader.
Brinsden, G. I., B.D.Sc. Sr. Lectr.
Jitts, J., B.D.S. Syd. Sr. Lectr.

Richardson, B., D.Sc. Melb. Sr. Lectr.
13 Pt.-time Lectrs.

Economics
Mauldon, F. R. E., B.A., M.Ec. Syd., Litt.D. Melb. Prof.
Harris, Merab, M.A., Ph.D. Lond. Sr. Lectr
Gentilli, J , D.Sc. Venice Lectr.
Oxnam, D. W., M.A. N.Z. Lectr.
5 Pt -time Tutors.

Education
Cameron, R. G., M A. Syd. Dean, Fac of Educn , Prof.
Pick, Betty, B.A., Dip.Ed. Lectr.
Wheeler, D. K., Ph.D. Lond., B A , Dip Ed. Lectr.
18 Pt.-time Lectrs.

Engineering
Blakey, O. F., M.E. Q'ld. Dean, Fac. of Eng. (Civil E.), Prof.
Taplin, K. W., B.E. (Elect. E.) Reader & Hd. of Dept.
Walker, R. S , B.E. (Mech. E.) Reader & Hd of Dept
Espie, J. R , B.E. (Hydr.) Sr. Lectr.
Hopkins, H. J., D.F C., M.A. Oxon., B.E., B.Sc. (Struct. E.) Sr. Lectr.
Lutz, G. G., B.E. (Mech. E.) Sr. Lectr.
Townsend, W. G., B.E. Sr. Lectr. and Test. Officer.
Bundell, J. H., B.E. (Elect. E.) Lectr.
Hondros, G., B.E. (Civil E.) Lectr.
Minchin, R. S., B.Sc. (Eng.) (Mech.E.) Lectr.
Silvester, R., B.E. (Hyds.) Lectr.
1 Pt.-time Lectr., 3 Tech. Assts.

English
Edwards, W. A., M.A. Camb. Dean, Fac. of Arts, Prof.
King, A., M.A. Oxon. (on leave) Sr. Lectr.
Burrows, L. R., M.A. Sheff. Sr. Lectr.
Bradley, D., B.A. Melb. Lectr.
Ross, J. M. A., B.A. Lectr.
Tweedie, Jean, M A. Melb. Lectr.
Watson-Williams, Helen B., B A. Oxon. Lectr
3 Pt.-time Tutors.

French
Tauman, L., L. ès L., D de l'U. Aix, D. ès L. Paris Sr. Lectr.
Randall, Jean, M A., Dip.Ed. Melb. Lectr.
1 Pt -time 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
Singleton, O. P , M.Sc. Melb. Lectr.
1 Tech. Asst.

German
Pollak, H., Ph.D. Vienna Sr. Lectr.
1 Pt.-time Lectr.

History
Alexander, F., M.A. Melb. and Oxon. Prof.
Legge, J. D., M.A. Melb. Lectr.
Rossiter, G. G., D.F.C., M.A. Oxon. Lectr.
2 Pt.-time Tutors.

Italian
Vanzetti, F. Pt.-time Lectr.

Law
Beasley, F. R., B.A. Oxon., LL.B. Syd. Dean, Fac. of L., Prof.
Parsons, R. W., B.A., LL.B. Syd. Sr. Lectr.
7 Pt.-time Lectrs.

Mathematics

Weatherburn, C. E., M.A. Camb., D.Sc. Syd. Prof.
Gamblen, F., M.A Camb , M.Sc., Dip Ed. (on leave) Sr. Lectr.
Storer, R., B.Sc , B.A., Dip.Ed. Sr. Lectr.
1 Grad. Asst., 1 Pt.-time Tutor.

Philosophy

Fox, A C., M A. Syd Prof.
Grave, S. A., M.A. N Z. Lectr.

Physics

Ross, A. D., C.B.E., M.A., D.Sc. Glas., F.R.A.S., F.R.S.A. Dean, Fac. of Sc., Prof.
Shearer, J., B.A., M.Sc. Melb., F.Inst.P. Sr. Lectr.
Williams, S. E., M.Sc. Syd., Ph.D. Bristol, F.R.A S. Sr Lectr.
Jeffery, P. M., B.Sc. Lectr.
Swan, J. B., M.Sc. Melb. Lectr.
1 Grad. Asst., 2 Tech. Assts.

Psychology

Marshall, A. J., B.A., Ph.D. Lond., F.B.Ps.S. Reader & Hd of Dept.
Morey, Elwyn A., Ph D. Calif., M.A., B.Ed. Melb. Sr. Lectr.
Pentony, P., M.A. Sr. Lectr.
O'Keeffe, E. R., B.A. 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. Sr. Lectr.
Feakes, Margaret J., B.Sc. Lectr.
Finch, Mary E., B.Sc. Lectr.
2 Grad. Assts., 2 Tech. Assts.

Adult Education

Director — Prof. F. Alexander, M.A.
Asst. Dir.—J. Birman.
Sec.—B. Newton.

SENIOR RESEARCH OFFICERS

P. J. Coleman, B.Sc., *Geology*; Anastacia B. Edwards, B.A., *Philosophy*, A. S. Holmes, B.A., *Economics*; A. J. Millington, M.Sc. (Agric.), *Agriculture*; A. H. Morton, B.Sc., *Physics*; Sheila I. Rowley, B.A., *Agriculture*; Emily Sadka, B.A., *History*; N. H. Speck, B.A., *Botany*. Nine additional research officers whose salaries are paid by State or Commonwealth instrumentalities are attached to various depts.

ADMINISTRATIVE OFFICERS

UNIVERSITY OFFICE. Asst. Registrar, A. J. Williams, B.A., Dip.Ed. Clerk of Examns. and of Convocation, L. A. W. Richards, Dip.Com. Asst. Sec. for Public Examns., Enid M. Keen. Sub-Accountant, R. M. Fletcher. Sr. Financial Admin. Assts., K. V. Benwell, W. A. Hayward. Maintenance Supervisor, H. S. Holley. Filing and Records Clerk, J. Bailey.

LIBRARY. Asst. Librarian, Edith M. Child, B.A. Sr. Asst., H. Kathleen Edmiston, B.A.

UNIVERSITY BOOK SHOP. Manager and Sec. of Text-Books Board, F. H. Beaumont.

RESIDENTIAL COLLEGES

ST. GEORGE'S COLLEGE, affiliated to the University, admits men students. Warden—J. H. Reynolds, M.A. Adel. and Oxon.

WOMEN'S COLLEGE (at present in temporary quarters). Actg. Warden—Miss M. E. Wood, M.A.

AFFILIATED SCHOOLS

PERTH TECHNICAL COLLEGE; SCHOOL OF MINES, KALGOORLIE; MURESK AGRICULTURAL COLLEGE; WESTERN AUSTRALIAN COLLEGE OF DENTAL SCIENCE; STATE TEACHERS' COLLEGE.

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. The main University buildings, including Winthrop Hall, the student block, the Arts Lecture rooms and the Library were made possible by a bequest of Sir J. Winthrop Hackett, and to-day are known as the Hackett Memorial Buildings.

From the beginning of 1946 a post-War building programme was put into operation. Buildings completed or extended include: the Univ. Library, Physics and Chem.; Arts: one large lecture room and one smaller lecture room; Zool.; Geol.; Law School; Psychol.; Engineering; Administrative annexe; and other buildings, to a total cost of £150,000. The financing of the building programme was undertaken conjointly by Commonwealth and State Governments. A further sum between £40,000 and £50,000 has been made available for equipment and the Commonwealth has agreed to provide £125,000 towards Medical School buildings.

The University at present receives a statutory annual grant of £40,000 from the State Government and additional annual appropriations for current revenue from the same source. The Commonwealth Government has also been subsidizing the Univ. to assist in the training of ex-Service students. For this purpose there is a minimum guarantee of £15,000 p.a. The amount, however, paid to the Univ. in 1949 was £36,000. The Commonwealth also made available the sum of £16,000 during the yr. for research purposes. General Univ. expenditure in 1949 amounted to £191,000 and gross expenditure on all activities to £250,000 approx.

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 and the teaching staff 2 members.

LABORATORIES. Agric., Anat., Bot., Chem., Geol., Engin., Phys., Psych., Zool., Dent.

LIBRARY. Total volumes, 88,780. Accessions during 1949, 2307.

FACULTIES. Arts, Sci., Engin. (including Surveying), Law, Agric., Dent., Educn. The Univ. has also the nucleus of a Fac. of Medicine which will be fully established as soon as bldg. difficulties permit.

DEGREE COURSES: 3 yrs.—B.A., B.Sc.; 4 yrs.—B.A. (Hons.), LL.B., B.Sc. (Hons.), B.Sc. (Agric.); 5 yrs.—B.D.Sc., B.E. and B.Surv. First year Medicine is given as a course of Fac. of Sci. In 1948 a Faculty of Education incorporating a 4-yr. professional degree course was established.

HIGHER DEGREES. M.A., D.Litt., M.Sc., D.Sc., D.D.Sc., M.E., D.Eng., LL.M., LL.D. and Ph.D.

DIPLOMA. Education (Postgraduate) This Course terminated at the end of 1950.

EVENING CLASSES are held in the Arts Faculty only, but certain Science classes may be taken in the evenings at affiliated Colleges.

FEES. Matriculation, 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 faculty service charge varying in amount up to £12 p.a. approx. covering examn. fees, use of laboratory equipment, hire of microscopes, loan of books from the library, etc.

Students coming from overseas and neither normally, nor likely to become permanently, resident in Australia are charged an annual inclusive fee of £40 in the facs. of Arts, Law and Education and £50 in scientific facs Lecture fees are charged for courses taken at the W.A. College of Dental Science. Except in the first yr. of the degree course in dental science, overseas students are charged the same fees as local students

RESIDENCE. Univ. Hostel for men. A separate portion of the Hostel has been set aside for women and is now temporarily conducted as a Women's Coll., the cost being the same as for men. Enquiries regarding the Women's College should be addressed to the Warden. Fee: about £2 : 15s. per week. Enquiries regarding the Men's Hostel should be addressed to the Manager. St. George's Coll. (v. *supra*) provides accommodation for men students at a cost of approx. £100 p.a.

PUBLIC EXAMINATIONS. School Certifs. (Jr. and Leaving), Music, and Art of Speech.

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. However, permission to enrol externally (in W A) is granted to students, at affiliated institutions outside the Perth metropolitan area, who are taking laboratory subjects.

ADULT MATRICULATION. Persons who have attained the age of 25 yrs. may be admitted as matriculated students in the Faculties of Sci., Agric. and Engin., if the Faculty concerned is satisfied that they possess sufficient educational qualifications. For these Faculties also there is an examination for adult students alternative to the ordinary matriculation examination of the University. In the Faculties of Arts and Education there is a special examination open to persons who have attained the age of 23 yrs.; or to persons who are 18 yrs. and over but have not been full-time day students in a secondary school since reaching the age of 16 yrs. This examination includes an intelligence test, a test in English composition and a test in a prepared subject. For the time being, ex-Service students in all faculties, irrespective of age, may be admitted under adult matriculation regulations.

STUDENT ORGANIZATION. The Student organization is known as the Guild of Undergraduates and the student building which forms part of the Hackett Memorial buildings is known as Hackett Hall. The annual subscription to the Guild is £3 : 13 : 6, but in first year students pay an extra £1 : 1s. registration fee.

PUBLICATIONS. *Calendar*; *Orientation Handbook*; *Public Examn. Manual*; *Black Swan* (Students' Magazine); *Pelican* (Students' newspaper, published fortnightly). The Science Union is responsible for an annual magazine *Scope* and the Arts Union for a quarterly magazine *The Arts Quarterly*. Individual publications are undertaken by the Univ. Text-Books Board which controls the Univ. Bookshop. The Univ. has a Publications Committee which also sponsors publications. The *Annual Law Review* and the *Education Bulletin* are published under the auspices of the Committee.

THE YEAR 1949

EXTRA-MURAL WORK. This work is now under the control of a director and an assistant director. Extension lectures and Adult Education lectures have been given and each year a highly popular Summer School at the Univ. has been organized. In addition, a box scheme for group study by country students has been in operation. Adult Education activities are controlled by a Board, and a feature of its work has included organization of orchestral and other concerts, under the title of "Everyman's Music." Concerts have been given both in the metropolitan area of Perth as well as in country districts. Expenditure on Adult Education in 1949 was £16,000 approx

DEATH. Prof. G. Wood (Classics).

STUDENTS (1949). Full-time: 1271; pt.-time: 488; external: 209; total: 1968.

Students from the services receiving benefits under the Commonwealth Reconstruction Training Scheme, in 1949, numbered 554.

DEGREES (1949). M.A., 4; B.A., 113; LL.M., 1; LL.B., 13; M.Sc., 5; B.Sc., 56; B.E., 14; B.Sc. (Engin.), 5; B.Sc. (Agric.), 13; Dip.Ed., 8; M.E., 1; Hon.Mus.Doc., 1; Hon.D.Eng., 3.

CANBERRA UNIVERSITY COLLEGE

Founded 1930

Address—P.O. Box 197, Canberra City, A.C.T. *Telegrams*—Unicol, Canberra.

CHAIRMAN OF THE COUNCIL—Sir ROBERT RANDOLPH GARRAN, G C.M.G., K C , M A., LL D.

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.

LIBRARIAN—.....

TEACHING STAFF

Economic History

Burton, H., B.A. Q'ld., M.A. Oxon. and Melb. Prof.
1 Pt -time Lectr.

Economics and Commerce

..... Prof.
Cameron, B. D., M.Ec. Syd. Sr. Lectr.
Barback, R. H., B.Sc. (Econ.) Lond. Lectr.
Cameron, R. J., B.Ec., Dip.Com. Adel. Lectr.
6 Pt.-time Lectrs., 2 Pt.-time Tutors.

English

..... Prof.
Todd, F. M., M.A. N.Z., Ph.D. Lond. Lectr.
1 Pt.-time Lectr.

Geology

Fisher, N. H., D.Sc. Q'ld. Pt.-time Lectr.

History

Clark, C. M. H., M.A. Melb. Prof.
Baker, D. W. A., B.A. Melb. Lectr.
Gardiner, L. R., B.A. Brist. Lectr.
Galley, Barbara L., B.A. Melb. Res. Asst.

Law

Fleming, J. G., M.A., D.Phil. Oxon. Sr Lectr.
4 Pt -time Lectrs.

Mathematics

Shepherd, A. E., B Ec , Dip Ed. Syd. Pt.-time Lectr.

Modern Languages

Haydon, J F. M , M A Melb. Sr. Lectr.
Koch-Emmery, E. K. T., M.A. Adel., Ph.D. Vienna Lectr.
1 Pt.-time Lectr., 3 Pt.-time Tutors.

Pacific Studies [Sr. Lectr.
Moore, T. I., B.A. Syd., M.A. Oxon.

Philosophy

Gibson, Q. B., B.A. Melb., M.A. Oxon. Sr. Lectr.
Donagan, A. H., B.A. Melb. Lectr.
2 Pt.-time Lectrs.

Political Science

Crisp, L. F., M.A. Oxon. and Adel. Prof.
Beddie, B. D., B.A. Syd. Lectr.

Psychology

Pentony, P., M.A. W. Aust. Sr. Lectr. Designate.
Gilchrist, A. A., B.A. Melb. Lectr.

ADMINISTRATIVE OFFICERS

Registrar's Asst., T. J. Keith. Sec. to Registrar, Helen Y. Jones.

LIBRARY. Asst. Librarian, Clare Campbell-Smith, B.A., Dip.Ed.

GENERAL INFORMATION

In 1929 the Canberra University College was constituted by an Ordinance of the Australian Capital Territory, the Canberra University College Ordinance. The main function of the University College is to establish courses of lectures for degrees and diplomas in co-operation with one or more of the existing Universities in Australia. Co-operation was obtained with the University of Melbourne in 1930 and the University passed a temporary regulation which was extended from time to time, and which was amended in 1949 to read as follows:

"THE CANBERRA UNIVERSITY COLLEGE. (1) Any student taking any subject proper to the Faculties of Arts, Science, Law or Commerce and with the permission of the appropriate Faculty receiving the necessary instruction in such subject at the Canberra University College may upon payment of the following fees be admitted to examination at Canberra upon terms and conditions prescribed by the appropriate Faculty: For each subject, £1 : 1s. (2) For the purpose of this Regulation the appropriate Faculty shall enquire into the teaching and facilities for study in any subject proper to it and if considered necessary appoint inspectors to visit the College and report thereon. (3) All teaching appointments proposed by the Council of the College shall be submitted to the Council of the University for its concurrence before the appointments are made. (4) This Temporary Regulation shall remain in force until the 31st December 1951."

The University College is financed by an annual grant by the Commonwealth Government, and fees received from students. The grant totalled in 1949, £23,800.

The Ordinance incorporates a Council of the College, which consists of ten members, nine appointed by the Governor-General on the advice of the Minister for the Interior (of whom two are nominated by the University Association of Canberra), and one being a member of the teaching staff co-opted by the Council. The Chairman of the Council is appointed by the Governor-General from among the members of the Council.

LIBRARY. 10,150 vols. 4090 pamphlets.

DEGREE COURSES (of the University of Melbourne). Bachelor of Arts (ordinary); Bachelor of Commerce; Bachelor of Laws; Master of Arts.

DIPLOMA COURSES (of the University of Melbourne). Commerce; Public Administration.

OTHER COURSES. Diplomatic Studies, open only to External Affairs Cadets who must be Univ. graduates.

FEES (other than those charged by the University for matriculation, Examination, etc.). Degree and Diploma Courses, £7 : 7s. for each subject.

PUBLICATIONS. *Calendar* (January), 2s.; *Prometheus* (Students' Magazine) (annually), 2s.; *Woroni*, fortnightly each term; *Commonwealth Literary Fund Lectures*; *Commonwealth Institute of Accountants Research Lecture*; *Annual Commencement Address.*

THE YEAR 1949

NEW DEPARTMENTS AND POSTS. A department of Psychology was created in which work will commence in 1950. Chair of English.

OTHER DEVELOPMENTS. A property consisting of a large house, 2 cottages, outbuildings and 100 acres of land situated 4½ miles from the College was acquired. Alterations and furnishing made it suitable for use as a Hall of Residence for 19 men students. The Hall is now occupied; Warden: J. O. Clark, LL.B. The Hall will be extended to accommodate additional students as labour and material become available.

CHANGES IN REGULATIONS. New regulations covering the course in the School of Diplomatic Studies have been adopted. Outside persons are not now admitted to the course which is confined to External Affairs Cadets who are graduates. Instead of a course of lectures in certain subjects it is now mainly of a postgraduate nature with emphasis on research work, under supervision, supplemented by special lectures and studies selected according to the needs and qualifications of individual students. All students are required to submit theses of an appropriate standard on their research projects.

STUDENTS. Total: 319; full-time: 25; pt.-time: 294; the total includes 37 women and 3 postgraduates.

DEGREES (conferred upon College students by the Univ. of Melbourne). B.A., 6; M.A., 1; LL.B., 1; B.Com., 6; Dip.Pub.Ad., 1; completed satisfactorily the 2 yrs.' course in Diplomatic Studies (old regulations), 9.

UNIVERSITY OF NEW ZEALAND

Founded 1870

Corner Bowen and Mowbray Streets, Wellington.

Postal Address—P.O. Box 1524, Wellington, C.1.
Telegrams—Aude, Wellington.

VISITOR—H.E. THE GOVERNOR-GENERAL.

CHANCELLOR—The Hon. Sir DAVID STANLEY SMITH, D C.L. Oxon., LL M. N.Z.

PRO-CHANCELLOR—LEONARD JOHN WILD, O B.E , M A., B.Sc.

VICE-CHANCELLOR—IAN ALISTAIR GORDON, M A., Ph D. Edin., LL.D. Brist.

REGISTRAR—IAN FRASER MCKENZIE, M.A., B.Com.

AGENT IN ENGLAND—THE HIGH COMMISSIONER FOR NEW ZEALAND, 415 The Strand, London, W.C 2.

CONSTITUENT COLLEGES

UNIVERSITY OF OTAGO, DUNEDIN ; CANTERBURY COLLEGE, CHRISTCHURCH ; AUCKLAND UNIVERSITY COLLEGE ; VICTORIA UNIV. COLLEGE, WELLINGTON.

ASSOCIATED COLLEGES

CANTERBURY AGRICULTURAL COLLEGE, LINCOLN ; MASSEY AGRICULTURAL COLLEGE, PALMERSTON NORTH.

The University was founded as a purely examining University in 1870. 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. Strictly speaking, the two Agricultural Colleges do not form part of the federal structure, but in effect they are constituent Colleges with representation and status similar to that of the four Univ. Colls.

The government of the Univ. is vested in the Senate, advised on academic matters by the Academic Board, which represents the Professorial Boards of the six Colleges, and on entrance matters and legal education by the Entrance Board and the Council of Legal Education. 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.

In the early days when only undergraduate work was attempted, the function of the Univ. was largely restrictive. It preserved adequate standards in the small University Colleges by appointing external examiners from

England. This stage is now past, and the examining, except for the higher degrees, is carried out within the Dominion, and, as the Colleges have grown in size and authority, the complete responsibility for teaching and examining has been transferred to them under a general supervision exercised by Academic Board and Senate. 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."

The University owns, in Wellington, University House, which contains its administrative offices and the Senate Room.

MATRICULATION. Candidates must pass in 4 subjects, including English. The examn. is held in Dec. Special provision is made for exemption of persons not under 21 years of age and students from other Universities.

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.

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., B.Mus., B.For.Sc., B.D.; 4 yrs.—B.H.Sc., B.Agr.Sc. (including practical work on farm), B.Arch. (including 18 mos.' practical work), LL.B., B.E. (Mech., Elec, Civ., Mining, Metall., including from 9 to 18 mos. in shops, mines, or surveying), B.Com.; 5 yrs.—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 yr. 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.

DIPLOMAS, ETC. Public Health (2 yrs. after M.B.); Education (1 yr. after B.A.); Journalism, Banking, Fine Arts (each 3 yrs.).

PROFESSIONAL SCHOOLS. *Law*, *Commerce* and *Music* at all the Constituent Colleges; *Medicine* and *Dentistry* and *Home Science* at Otago; *Engineering* (Civil, Elect., and Mech.) at Canterbury and Auckland; *Mining* and *Metallurgical Engineering* at Otago; *Agric.* at Canterbury and Massey Agric. Colleges; *Architecture* at Auckland; *Fine Arts* at Canterbury and Auckland; *Public Administration* and *Social Science* at Victoria.

" AD EUNDEM " RECOGNITION. Courses completed, or partially completed, at any British or other approved Univ. may be accepted *ad eundem statum*.

SCHOLARSHIPS FOR GRADUATES. Senior Scholps. in almost every subject of the B.A. or B.Sc. syllabus and in Law, Medicine, Dentistry and Engineering —£90; Travelling Scholps. in Arts, Science, Law, Commerce, Dentistry, Architecture—£350 (2 yrs.); in Engin. and Med.—£250-£350 (2 yrs.); Macmillan Brown Research Scholp. in Agric. (biennial)—£300 (2 yrs. possible). National Research Scholps., £250 (2 yrs.), are offered annually to graduates

of the N.Z. University or other approved persons; also Shirtcliffe Fellowship for Research, £300 p.a. for 2 yrs.; Shirtcliffe Research Scholp., £100 (1 yr.); Shirtcliffe Graduate Bursary, £75 (1 yr.). 2 Carnegie Fellowships in Education. Michael Hiatt Baker Scholp. (Univ. of Bristol). About 6 Research fellowships (£300 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.), 3s. (incl. postage); *Minutes of Prodgs. of Senate*, free; *Examn. Papers*, 1s. 6d. or 1s. a set; *Research in the University*.

THE YEAR 1948

Prof. I. A. Gordon was appointed first full-time Vice-Chancellor for the period 1950–51.

CHANGES IN REGULATIONS. Revised courses for B.A. and B.Sc. introduced, permitting the constituent colleges to vary the degree structure within a general framework. Revision of B.Com. degree.

STUDENTS. Full-time: 5635; pt.-time: 7134.

DEGREES. Litt.D., 1; Ph.D., 2; B.A., 387; M.A., 144; LL.B., 70; LL.M., 8; B.Sc, 255; M.Sc., 23; B.Agr.Sc., 31; M.Agr.Sc., 8; B.H.Sc., 16; M.H.Sc., 2; M.B., Ch.B., 110; M.D., 2; B.Med.Sc., 1; B.D.S., 42; B.Com., 112; M.Com., 6; B.E. (Hons.), 5; B.E., 74; B.D., 4; Mus.B., 9; B.Arch., 4.

UNIVERSITY OF OTAGO
DUNEDIN

Founded 1871

VISITOR—H.E. THE GOVERNOR-GENERAL.

CHANCELLOR—Very Rev. D. C. HERRON, M.C., M.A., D.D. St. And.

VICE-CHANCELLOR—R. S. AITKEN, D.Phil. Oxon., LL.D. Dal , M.D., F.R.C.P.

REGISTRAR—J. W. HAYWARD, B.Com.

LIBRARIAN—F. H. ROGERS, M.A. Brist.

LIBRARIAN MED. SCH.—W. E. LINTON.

TEACHING STAFF

Anthropology

Skinner, H D., D C M , M A , Dip Anth Camb , D Sc., F.R S N.Z. Lectr.-in-charge.

Biochemistry

Edson, N. L., B Med Sc., M.B., Ch.B ,Ph D Camb ,F.N.Z I.C , F.R S N.Z. Prof.

Wyndham, R. A., B.Sc. Syd. Sr. Lectr.

Ploeser, J. M., B Sc. Calif., Ph.D. Stanford Lectr.

McCurdy, Betty J , B H.Sc. Asst. Lectr.

Todd, C. M., B Sc Asst Lectr.

Botany

Baylis, G T. S , M Sc., Ph.D Lond., D.I.C. Lectr.-in-charge.

Holdsworth, M., Ph.D. Lond., D.I C., B Sc. Lectr.

Slade, Brenda F., M.Sc. Asst. Lectr.

Chemistry

Soper, F. G., Ph.D., D.Sc. Wales, F.R.I.C., F.N.Z.I.C., F.R.S.N.Z. Dean, Fac. of Sci., and Prof.

Carter, C. L., M.Sc. Sr. Lectr.

Ma, T. S., Ph.D. Sr. Lectr.

Irwin, M , Ph.D. Lond. Lectr

Corbett, R. E , Ph D. Camb., M.Sc. Lectr.

Edwards, W. G. H., B.Sc. Lond. Lectr.

Asst. Lecturers

Murray, J., M Sc.

Campbell, A. D., M Sc.

Fyfe, W. S., M.Sc

Classics

Manton, G. R., M.A. Camb. Prof.

Macdonald, C , B.A Camb. Asst. Lectr.

Thornton, Agathe H. F., B.A. Camb. and Lond., Ph.D. Edin. Asst. Lectr.

Commerce, v. also Law Lecturers

Paterson, J. M., M.C., M A., LL.B. Dean, Fac. of Comm.

McIver, L. D., B.Com.

Hanan, F. M., LL.B.

Cowan, T. K., M.Com.

Valentine, J. A., B.Com.

Cowan, F. W., LL.B., B.Com.

Griffiths, W. M.

Dentistry, v. *infra*

Economics

Billing, G. C., B.A. Adel., Ph.D. Lond. Prof.

Bernardelli, H., D.Ph. Frankfurt Sr. Lectr.
Muir, Valerie A., M.A. Asst. Lectr.
Blakey, K. A , B.A., M.Sc. Lond. Asst. Lectr.

Education

Mitchell, F. W., M.A., B.Sc. Adel., Ph D. Lond. Prof.
Seddon, R , Ph D Lond., M.A , B Com. Sr Lectr.
Richardson, J., M.A. Birm. Lectr.
Calvert, Barbara, M A , M H Sc Asst Lectr.
Cassells, D G A , M A. Asst. Lectr.

English Lang. and Lit.

..... Prof.
Cameron, G. M , M.A. Lond. and N Z Sr Lectr.
Whitaker, M., B A Oxon. Lectr.
McRae, A. G., M.A. Asst. Lectr.

Geography

Garnier, B J., M.A. Camb. Lectr.-in-charge.
Tweedie, A. D , B.A. Asst Lectr.

Geology

Odell, N. E., Ph.D. Camb , F.G.S. Prof.
Brown, D. A., Ph.D., M.Sc., D.I.C., F.G S. Sr. Lectr
Watters, W. A., M.Sc. Asst. Lectr.

Hebrew

Knight, G A. F., M.A., B.D.Glas. Lectr.

History

Morrell, W. P., M.A., D.Phil. Oxon. Prof.
Ross, A., M.C., M.A., Ph.D. Camb. (on leave) Sr. Lectr.
Olssen, E. A., B.A. Adel., M.A. (Polit. Sci.) Lectr.
Huehns, Gertrude, B.A., Ph.D. Lond. Lectr.

Home Science

Gregory, Elizabeth, M.H.Sc., Ph.D. Lond., F.N.Z.I.C. **Dean and Prof.**
Bowbyes, Avice M., A.M., B.S. Columbia, Dip.H.Sc. (Clothing) Sr. Lectr.
Thomson, Helen M. S., Ph.D. Leeds, M.H.Sc. (Chem.) Sr. Lectr.
Jackson, Phyllis R , M.H.Sc., Dip Ed. (Princ. of Teaching) Sr. Lectr.
Murphy, J. E. P., Slade Dip., Nat. Dip. Design Lond. Sr. Lectr.
Gray, Eleanor M., M.S Iowa, B.H.Sc. (Foods) Lectr.
6 Assts.

Law

Lecturers

Stephens, A. C., LL.M. (Jurispr.) Dean, Fac. of Law.
Paterson, J. M., M C., M.A., LL B. (Comp. L. and Bankruptcy).
Neill, A. G. (Crim. Law).
Anderson, P S., B A., LL.B (Property L).
Fairmaid, R. L. (Conveyancing).
White, C J. L. (Evidence).
Haggitt, A. N., LL.B. (Rom. Law).
Barrowclough, C. B , B.A., LL.B. (Conflict of Laws).
Curzon-Siggers, W. A., LL.M. Camb , M.A. (Pub. Intern. L.).
Thomson, J. B., LL.B. (Contracts).
Ward, J. P. (Practice and Proc.).
Hanan, F. M., LL.M. (Torts).
Nevill, P. H. W., LL.B. (Trusts, etc.).
Joel, M., LL.B. (Const. Law).

Mathematics, Pure and Applied

Gabriel, R. M., M.A. Camb. Prof.
Orton, A. A., M.A., M.Sc. W. Aust. (Appd. M.) Sr. Lectr.
Silverstone, H., M.A., Ph.D. Edin. Lectr.
Sawyer, D. B., B.A. Camb. Lectr.

Mining and Metallurgy

Williams, G. J., Ph.D. Lond., M.Sc., B.E., D.I.C. **Dir., Sch. of Mines, Dean and Prof.**

Muir, H., B.Met.E. Melb. (Metall.) Sr. Lectr.
Batham, G. S., B.Sc. (App. Elect.) Pt.-time Lectr.
Buchanan, D. E., B.E. (App. Mechanics) Lectr.
Rogers, J., M Sc. (Min. Dressing) Res. Lectr.
Mackie, J. B., M Sc., B.E. (Surv.) Lectr

Modern Languages

Silver, R. C , M.A. Glas., L. ès L. Paris Prof.
Barron, Vida M., M.A. Sr. Lectr.
Grayeff, F., Ph D. Freiburg Asst. Lectr.

Music

Galway, V. E., Mus D Melb. Dean, Fac. Arts and Music, Prof.
Martin, Mary A., Mus.B. Lectr.

Philosophy and Psychology

Passmore, J. A., M.A. Syd. Prof.
Grey, D. R., M.A. Oxon. Sr. Lectr.
Thornton, Rev. H., M.A. Edin. Lectr.
Monro, D. H., M.A. Lectr.
Bernardelli, Betty, M.A. Camb. Asst. Lectr.

Physics

Nimmo, R. R., Ph.D. Camb., M.Sc., F.I.P. Prof.
Focken, C. M., B.M.E., B.Sc. Melb., D.Phil. Oxon., M.S. Col., F.I.P. Sr. Lectr.
Blackie, Agnes R., M.Sc. Lectr.
Coombs, J. S., M Sc. Lectr.
Symmons, H. F., B.Sc. Brist. Asst. Lectr.
Hodgson, E. R., M.Sc. Asst. Lectr.
Mowat, Marjorie, B.Sc. Asst. Lectr.

Zoology

Marples, B. J., M.A. Oxon., M.Sc. Manc Prof.
Fyfe, Marion L., M.Sc. Sr. Lectr.
Brewin, Beryl, M.Sc. Lectr.
Satchell, G. H., B.Sc. Lond., Ph.D. Leeds Lectr.
Richdale, L. E., M.A. Hon. Lectr.

Medicine

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., M.B., Ch.B. Lectr.
Schofield, G., M.B., Ch.B. Lectr.
6 Demrs.

Bacteriology, v. also Hyg. and Prev. Med.

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. Dean, Fac. of Med., Prof.
Watt, M. N., M.B., Ch.B. Sr. Lectr.
Marples, Mary J., B.A. Oxon., M.B., Ch.B. Sr. Lectr.

Ear, Nose, and Throat

Rutherford, I. M., M.B., Ch.B., F.R.C.S.Ed., D.L.O. Lectr.
Macdonald, R. G., M.B., Ch.B. Lectr.

Gynæcology and Obstetrics

..... Prof.
Fitzgerald, G. P., M.B., Ch.B., F.R.C.O.G. (Gynæc.) Sr. Lectr.
Perry, A., M.B., Ch.B., F.R.C.S. Ed. (Obstet.) Lectr.
Stewart, Marion, M.B. (Obstet.) Asst. 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. Prof.

Douglas, A. M., M.B., Ch.B. Sr. Lectr.
Murphy, W., M.B., Ch.B. Asst. Lectr.
Dempster, G. O. L., M.D., D.P.H. Asst. Lectr.
Gardiner, C. E. (Vital Statistics) Hon. Lectr.

Medical Jurisprudence

D'Ath, E. F., M.B., Ch B. 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. Sr Lectr.
McGeorge, M., M.D. (Pædiatrics) Sr. Lectr.
Brown, M., M.B., Ch.B. Glas. (Ment. Dis.) Sr. Lectr.
Palmer, H., M.D., D.P.M. Manc. (Psychol. Med.) Sr. Lectr.
Kirk, G. R., O.B E., M B., Ch.B. Lectr.
Alstad, K. S., B.Sc., M.B., Ch.B., D.P.H., M.D. Lectr.
Chapman, O. W., M.B., Ch.B. Lectr.
Deem, Muriel H., M.D. Asst. Lectr.
Medlicott, R. W., M.B., Ch.B. Asst. Lectr.
Begg, N. C., M.B., Ch.B. Asst. Lectr.
Woodhouse, F. B., M.B., Ch.B. Asst. Lectr.
Stringer, H. C. W., Ph.D. Edin., M.B., Ch.B., D.T.M. & H. Edin. Asst. Lectr.

Ophthalmology

Wilson, R. P., M.B., Ch.B., B.Sc. Edin., F.R.C.S.Ed. Lectr.

Pathology

D'Ath, E. F., M.B., Ch.B. Prof.
Alexander, W. S., M.B., Ch.B. Sr. Lectr.

Asst. Lecturers

Markham, N. P., B.Sc., M.B., Ch.B. (on leave).
Rodda, R. A., M.B., Ch.B.
Howie, J. B., M.B., Ch.B.
Fleming, H. A., M.B., Ch.B.
Cupit, Barbara F., M.B., Ch.B.
McCoy, H. R., M.B., Ch.B.

Physiology

Eccles, J.C., M.B., B.S. Melb., M.A., D.Phil. Oxon., F.R.A.C.P., F.R.S. Prof.
McIntyre, A. K., B.Sc., M.B., B.S. Syd. Sr. Lectr.
Rall, W , B.S. Yale, M.Sc. Chic. Lectr.
Dun, F. T., B.Sc. Tsing Hau, Dr. Phil.Nat. Jena Lectr.
Brock, L., M.B., Ch B., B.Sc. Asst. Lectr.

Radiology

Sowerby, W., M D., F.R.C.S.Ed., F.F.R., D.M.R E. Camb. Lectr.
Begg, A. C., M.B., Ch.B. Lectr.
Jerram, C. W. S., M.B., Ch.B. Lectr.

Stomatology

Walsh, J. P., M.B., B.S., B.D.Sc. Melb. Prof.

Surgery

Bell, F. G., M.D. Edin., F.R.C.S. Ralph Barnett Prof.

Sr. Lecturers

Nisbet, N. W., L.D.S., F.R.C.S. Ed. (Orthop. S.).
..... (Neurol. S.).
Greenslade, C. M., M.B., Ch.B., F.R.C.S. (Venereal Diseases).

Surgery, Clinical

Jenkins, J. A., M.B., Ch.M., F.R.C.S., F.R.A.C.S. Sr. Lectr.
Fulton, R. A. H., M.B., Ch.M., F.R.C.S., F.R.A.C.S. Sr. Lectr.

Lecturers

Barnett, G. M. F., M.B., Ch.B., F.R.A.C.S.
Wilson, S. L., M.B., Ch.B., F.R.C.S., F.R.A.C.S.
Speight, N. C., M.B., Ch.B., F.R.C.S Ed.
Fitzgerald, H W., M.B , Ch B., F.R.C S.Ed., F.R.A C.S.
Waddle, N., M B., Ch.B., F.R.C.S. Ed., F.R.A.C S. Asst. Lectr.

Dentistry

Walsh, J P , M B., B S , B D Sc Melb. Dir. of Sch., Dean and Prof.
Craddock, F. W , B.A , M.S.D N.-Western, Cert. Dent. Sr Lectr
Gresham, A. H., B D.S Sr Lectr
Shroff, F R , D.D S. Sr Lectr
Cunningham, W. M , D D S Tor., B D.S Sr. Lectr.
Davies, G. N., D D.S. N.-Western, B D S. Lectr.
Chirnside, I. M., B.D.S. Lectr.
Johnston, J. W., B D.S. Lectr.
McLean, F. G., B.D.S. Lectr.
Smart, R. S., B.D.S Asst. Lectr.

Physical Education

Smithells, P. A., M A Camb Director.
Wallace, J. Lectr.
Bellwood, Emilie Asst Lectr.

Theology

Henderson, J , M A., Ph D Edin. Dean of Fac. and Lectr.
Allan, J. A., M.A., D.D Edin. Lectr.
Whitehead, L G , M.A Lectr
Haddon, A. L., M A. Melb. Lectr.
Knight, G. A. F., M.A., B.D. Glas. Lectr.

Adult Education

Director—Hall, D. O. W., M.A. Camb.
Home Science Extension, 3 Tutors.
General Adult Educn., 3 Tutors.

GENERAL INFORMATION

Founded by Ordinance of the Provincial Council in 1869 with power to grant degrees in Arts, Medicine, and Law, the Univ. was opened in 1871. The Law School originated in 1873, the Medical in 1874, the School of Mines in 1878, the Dental School in 1907, the Accountancy Lectures and the Home Science Dept. in 1911, the School of Physical Educn. in 1948. Between 1869 and 1877 the Univ. received grants of land exceeding 220,000 acres. It is entirely unconnected with any religious denomination. It receives annual Government grants of approximately £71,697.

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 N.Z.

LIBRARIES. Main Library, including Departml. Libraries, 90,000 vols.; Med. Library, 19,183 vols.; also the Hocken collection of 11,000 books, pamphlets and MSS. bearing on the History of N.Z. MUSEUMS: Biol., Ethnog., Geol., Anat., Path. LABORATORIES: Phys., Chem., Physiol., Bact., Path.

FACULTIES. Arts, Science, Music, Medicine, Dentistry, Mining, Law, Commerce, Home Science and Theology, School of Physical Education.

COURSES. Degree courses in all Faculties (v. p. 826). Associateship of Otago School of Mines (A.O.S.M.), 4 yrs. Associateship in Home Science, 3 yrs. Diploma of Mining, Metallurgy, Geology or Land and Mine Surveying, 2 yrs. Diploma in Public Health, open to registered medical practitioners of 2 yrs.' standing.

CLASS FEES. Arts (3 yrs.) about £55 (M.A., 4 yrs., £9 : 9s. additional); Science (3 yrs.) about £70 (M.Sc., 4 yrs., £12 : 12s. additional); Law (5 yrs.) about £85; Commerce (4 yrs.) about £50. (The exact fees for the preceding courses vary in accordance with the choice of subjects.) Mining (4 yrs.), £136 : 15s.; Home Science (4 yrs.), £130 : 6s.; Medicine (6 yrs.) about £220, exclusive of Univ. fees, £37 : 16s. Dentistry (5 yrs.), £180, exclusive of Univ. fees, £24.

RESEARCH SCHOLARSHIPS, ETC. Edmond Industrial (Chemical) Research, £200, tenable 2 yrs.; Smeaton Research in Experimental Science, £60 for first year and £200 for second. The first is open to any person domiciled in N.Z., the second to graduates of Otago. Ross (Knox College), £150, 2 yrs.; Sir R. Stout (Economics), £50; and Anna P. Stout (Economics and History and Home Science—women), £50; all open to graduates of Otago. OTHER RESEARCH FUNDS: Roberts, Sir Lindo Ferguson, and Barnett endowments, slightly exceeding £2000 each for research in med. and surg.; Sir Thomas Hunter Res. Fund in Dentistry, £11,000.

HOSTELS. Presbyterian for men and women; Anglican for men; Catholic for women; undenominational for men and women; Home Science students'. Cost of board and lodging, 37s. 6d. to £2 : 10s. a week.

UNIV. EXTENSION. Since 1916, classes in connexion with the W.E.A. in Dunedin and Invercargill have met with very great success. This work, as well as extension lectures in Home Economics formerly carried on by the Association for Country Education, is now administered by the Regional Council of Adult Education Director—D. O. W. Hall, M A. Camb.

THE YEAR 1949

BENEFACTIONS. Mrs. E. C. Mellor, £2034 (including royalties on books by Dr. J. W. Mellor), for research in Pure Chemistry. Dunedin Savings Bank, additional contribution, total now £2100, for Commerce Scholp.

NEW DEPARTMENT. Appt of full-time University Trio from William Evans Bequest Funds, for assistance in classes in Music.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. C. E. Tilley, Cambridge, on Geol.; Prof. S. R. B. Cooke, Minnesota, on Metallurgy; Dr. Gwendolyn Carter, Smith College, Mass., U.S.A., on British Commonwealth Relations; Prof. J. C. Condliffe, California, on Economics; H. J. Critchfield, Canterbury Univ. Coll., on Geog.; Dr. J. W. Howie, Rowett Research Inst., Aberdeen, on Pathol.; Dr. G. W. Pickering, London, on Medicine; Dr. L. S. P. Davidson, Edinburgh, on Nutrition; Dr. Karl F. Meyer, California, on Virology.

RETIREMENTS. Prof. H. Ramsay (English); Prof. W. N. Benson (Geol.); J. R. White (Orthopædic Surg.); J. Lang (Constitutional Hist.).

RESIGNATION. Dr. S. N. Slater, on appt. as Prof. of Chem. at Victoria Univ. Coll., Wellington.

DEATH. Hon. Wm. D. Stewart, Pro-Chancellor.

STUDENTS. Total: 2303; full-time: 1614; pt.-time: 689; the total includes 575 women and 271 postgraduates.

DEGREES. B.A., 72; M.A., 22; LL.B., 7; LL.M., 2; B.Sc., 61; M.Sc., 21; Mus.B., 2; M.B., Ch.B., 88; M.D., 1; B.Med.Sc., 1; B.D.S., 39; B.E., 8; B.H.Sc., 16; M.H.Sc., 2; B.Com., 20; B.D., 3.

CANTERBURY UNIVERSITY COLLEGE
CHRISTCHURCH

Founded 1873

VISITOR—THE MINISTER OF EDUCATION.
CHAIRMAN OF COUNCIL—Sir JOSEPH WARD, Bt., LL.M.
RECTOR—H. R. HULME, M.A., Ph.D. Camb.
REGISTRAR—JAMES LOGIE.
LIBRARIAN—C. W. COLLINS, M.A , F.L.A.

TEACHING STAFF

Accountancy

Holland, C. C., F.P A.N.Z , F I.A.N.Z. Hd. of Dept. and Pt.-time Lectr.

Part-time Assistants

Perkins, C. H., B.Com., F.P.A.N Z.
Hargreaves, J. M , B Com
Burtt, J. K., B.Com., F.P.A.N Z.
Jameson, K. S., B.Com., F.P.A.N.Z.
Clothier, W. E., B.Com.
Glynn, J. W.
Hindin, J. B., B.Com.
MacKenzie, T., B.Com., F.C.I S.

Biology

Percival, E., B Sc. Leeds Prof.
Foweraker, C. E , M.A., F.L.S. (Bot.) Sr. Lectr.
Allison, Mrs Frances R. B., M.Sc. (Zool.) Lectr.
Finlayson, Margaret, M.Sc. (Bot.) Lectr.
Pilgrim, R. L. C., B.Sc. Jr. Lectr.
Mayer, Margaret, D.Sc. Jr. Lectr.
Kiddle, Marion, M.Sc. (Zool.) Jr. Lectr.
Knox, G. A., B.A., B.Sc. (Bot.) Jr. Lectr.
Veale, J. A., B.Sc. (Bot.) Jr. Lectr.
Wolfe, L. S., B.Sc. (Bot.) Jr. Lectr.
Arnold, B. C., M.Sc. (Bot.) Jr. Lectr.

Botany, v. Biology

Chemistry

Packer, J., M.Sc. Melb., D.I.C., F.R.I.C Prof.
Parton, H. N., Ph D. Lond., M.Sc. Assoc. Prof.
Siemon, S R., B.Sc., M.App.Sc. Q'ld. (App. Chem.) Sr. Lectr.
Wilkins, C J., Ph D. Lond., M Sc. Sr. Lectr.
Hagyard, T., Ph.D., B.Sc. Sr. Lectr.
Vaughan, J., M.Sc. Wales Lectr.
McGlashan, M. L., M.Sc. Jr. Lectr.
Penfold, B. R., M.Sc. Jr. Lectr.
3 Temp. Jr. Lectrs.

Classics

Pocock, L G., M.C., M A. Lond Dean, Fac. Arts, Prof.
Broadhead, H. D., M.A. Camb., Litt.D. Sr. Lectr.
Steven, Marion K., M.A., M B., Ch.B. Lectr.

Commercial Law

Pt.-time Assistants

Cuthbert, R. A., B.A., LL.B.
McMenamin, K. J., LL.B
Drake, B. J., B.A., LL.M.
Wicks, J. A., LL.M.

Drama

Marsh, Ngaio, O.B.E. Hon. Lectr.

Economics

Westrate, C., D.Econ. Prof.
Danks, A. J., M.A. Sr. Lectr.
Rosenberg, W., M.Com. Lectr.
Miller, G. M., B.A. Lectr.

Education

Field, H. E., Ph.D. Lond., M.A. Prof.
Winterbourn, R., Ph.D. Lond., M.A. Sr. Lectr.
Ford, C. T., B.A. Lectr.
Lawrence, P. J., M.A. Jr. Lectr.

Engineering, v. *infra*

English Lang. and Lit.

Garrett, J. C., B.A. Alta., M.A. Oxon. Prof.
Rhodes, H. W., M.A. Melb. Sr. Lectr.
Stockwell, A W., M.A., B S. Lectr.
Baigent, L. A., M.A. Lectr.
Spear, C. E., M.A. Temp. Lectr.
Copland, R. I., M.A. Temp. Lectr.

Geography

Jobberns, G., M.A., D.Sc. Prof.
Patton, D. J., A.M. Harv. Visiting Lectr.
Critchfield, H., M.A. Wash. Visiting Lectr.
McCaskill, M., M.A. Jr. Lectr.
Rose, A. J., M.A. Jr. Lectr.

Geology

Allan, R. S., D.Sc., Ph.D. Camb., F.R.S.N.Z., F.G.S. Dean, Fac. Sci., Prof.
Gage, M., M.Sc. Sr. Lectr.

History and Political Science

Phillips, N., M.A. Prof.
Saunders, J. J., M.A. Lond. Sr. Lectr.
Owen, J. B., M.A., B.Sc. Lectr.
Gardner, W. J., M.A. Jr. Lectr.

Journalism

Burns, G. Lectr.

Law

Gee, L. W., LL M. (Conveyancing and Roman L) Hd. of Dept. and Lectr.

Assistants

Brassington, A. C., LL B. (Internat. and Constitutional L).
Champion, E. C., M.A , LL.M. (Trusts).
Drake, B. J., B.A., LL.M. (Jurisprud).
Gough, K. A., LL.B. (Conflict of Laws)
Haslam, A. L., D.Phil., B.C.L. Oxon., LL.M. (Torts, Crimin. L. and Evid.).
Hensley, L. J., LL.B. (Comp. L. and L. of Bankruptcy).
Thompson, R. P., LL.B. (Procedure).
Wills, E P., B.A., LL M., M.Com. (Property and Contracts).
Lockwood, G. I. G., LL.B. (Legal Ethics).

Mathematics

Saddler, W., M A , D Sc. St. And , B.A. Camb. Prof.
Darwin, L. J., M.A. Adel. Sr. Lectr.
Andress, W. R., B.A. Camb., B.Sc. Manc. Sr. Lectr.
Drummond, J. E., B.A. Camb., M.Sc. Lectr.

Modern Languages

Malthus, C., M.A., Litt.D. Prof.
White, J. F. D., B.A., M.Sc. (French) Sr. Lectr.
Carter, T. E., B.A. Lectr.
Troup, G. S., M.A. Pt.-time Asst.

Music

Griffiths, V., M.A., Mus.B. Camb., Mus.D., F.T.C.L. Dean, Prof.
Neale, Clare I., B.A., Mus.B., F.T.C.L. Lectr.
Ritchie, J., Mus.B. Lectr.

Philosophy

Sutherland, I. L. G , Ph D. Glas , M.A
Dean of Fac. of Arts and Prof.
Crowther, A., M.A , Ph.D. Camb. Sr Lectr.
Prior, A N , M A. Sr. Lectr.
Thompson, R. H. T., M.A. Jr Lectr
Scott, T. H , M A. Jr. Lectr

Physics [Prof

Chalklin, F C , D Sc , Ph D Lond.
Macleod, D B , M A , D Sc., F R S.N.Z. Assoc. Prof.
Tarrant, G. T. P., M.A. Camb., Ph D. Sr. Lectr.
Ellyett, C D , M Sc Lectr
Roth, W , B.A. Lectr.
Gregory, J. B., M.Sc. Lectr
Rogers, J. L., M Sc. Jr. Lectr.
McIlwraith, A. H., B.Sc. Jr. Lectr
Schroeder, P. A , B Sc. Jr. Lectr.

School of Art

Lovell-Smith, C S , Dip F.A
Director Sch of Art.
Johnstone, J A , D.A Edin. Sr. Lectr.
Doudney, H E. J., F R B.S., F R.S A. Sr. Lectr.
Clark, C. R S Sr Lectr
Oakley, W J , Dip F A Lectr.
Knight, J , Dip F.A. Lectr.
Sutton, W. A., Dip.F.A. Lectr.
Fife, Ivy G., Dip.F.A. Lectr.
Akins, Florence E., Dip.F.A. Jr Lectr.

Engineering

Civil

Alley, P. J., B.E. Sr. Lectr.
Mowbray, N. A., B E. Sr Lectr
Bruce Smith, D., B E Sr. Lectr.
Massey, P C , B E Lectr.
Owen, B. T. W. Lectr.
Gilmour, P. M., B E. Lectr.
Fraser, P. E., B E Lectr

Electrical

MacElwee, N. M., B Sc. Glas. Prof.
Neale, R D , B E Sr Lectr
Bowen, W. H., B Sc Lond. Sr Lectr.
Withers, B. T. Sr. Lectr.
Wright, W. S , B E Lectr
Cockburn, K Jr Lectr

Mechanical

Rastrick, R. J. W., B E. (Mech) Dean of Fac. and Prof.
Hewitt, N E., B.E (Mech) Sr. Lectr.
Adams, H , M.A. Camb Sr. Lectr.
Lush, A., B.E. Sr. Lectr.
Martin, J. K., B.Sc , B E Lectr.
Newstead, W. F. Lectr.
Whittle, G., B E. Lectr.
Roper, F. A. Jr. Lectr.

GENERAL INFORMATION

Created by Provincial Ordinance, 1873, and affiliated to the Univ. of N.Z., 1874. Value of lands, buildings, equipment, etc., £687,500; annual Govt. subsidies and grants for 1949, £96,014. The *Rector* is the Academic head of the College and the permanent Chairman of the Professorial Board. LABORATORIES: Biol., Chem., Engin., Phys., Educ., Psychol. 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: 15 full-time. Gross expenditure on books, periodicals and binding in 1949: £5075.

DEGREE COURSES in Arts, Science, Law, Mus·c, Comm. and Engin., and Certif. or Diploma Courses in Journalism, Education, Music, Industrial Chemistry, Banking and Fine Arts (v. also p 826). Evening courses in Comm. and Law.

INCLUSIVE ANNUAL CLASS FEES. Arts, about £22; Science, about £30; Law and Commerce, about £15; Laboratory Research, £8: 8s.

HOSTELS. Rolleston House, College House (men), Helen Connon Hall (women) and Bishop Julius Hostel (women) Weekly charges, £2: 7: 6, £2 · 5s., £2: 5s, £1. 18s. respectively. *Boarding Bursar*, Mrs. T. Stringer, c/o Students' Union, assists students seeking private accommodation.

LIAISON OFFICER between schools and Univ.: G. S. Troup, M.A., also advises returned Service men and supervises Tutorial Classes for Rehab. Bursars

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; one of £50 for 2 yrs. for students not yet eligible for final section of B.A.; 4 of £50 for 3 yrs. for residents in the four Univ. districts of N.Z.; one of £90 for 4 yrs. to a pupil of Nelson Boys' Coll. for the B.Sc. and M.Sc degrees; 2 of £25 or £45 for 3 yrs.; one of £50 for research in Science, open to graduates, renewable up to 3 yrs.; one of £150 in Engineering, open to B.E., tenable outside N.Z.; one (Hartley) for women graduates, offered every third year, £300 p.a. for 3 yrs., tenable ordinarily at Oxford, Cambridge, or London; Lord Rutherford Memorial Research Fellowship, offered every second yr., £475 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.

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.

Director: G. W. Southgate, B.A. *Tutor Organizers*: B. W. Smyth, B.Com., Rangiora; W. Hart-Smith, Timaru; B. J. Dunn, M.A., F.T.C.L., Greymouth; T. Muir, Ngakawau; G. Manning, M.A., Metropolitan Tutor. *Specialist Tutor Organizers*: Home Sci.: Miss R. Robins, B.H.Sc., North and Mid Canterbury; Miss M. Cushen, M.H.Sc., S. Canterbury and Westland. Drama: G. A. Worthington, B.A. Music: L. G. Peach, Mus.Bac.

PHYSICAL EDUCATION OFFICER. A. S. Lewis, B.A. *Asst. Phys. Education Officer*: Miss B. I. Sparrow. Free Student Health Service. Gymnastic and corrective classes for men and women, games training and coaching.

PUBLICATIONS. *Syllabus of Courses and Timetable* (Jan.). *Calendar and School of Engineering Prospectus* (February). Annual Statement of the Chairman (June). *Canta*, 26 issues a year, subscription 2s. 6d. *Review*, annual (Oct.). *Annual Report, Trans. of Coll. Engineering Soc.*, 2s. 6d.

THE YEAR 1949

NEW BUILDING. One ex-Army hut converted for use as temporary Industrial Chemistry Laboratory.

OTHER DEVELOPMENTS. Transfer of College to new Site, allowing for expansion on a much larger scale.

RETIREMENTS. Prof. A. H. Tocker (Economics); Prof. G. G. Calvert (Civil Engin.); C. C. Kemp (Registrar).

STUDENTS. Total: 2409; full-time: 1045; pt.-time: 1364; the total includes 521 women and 3 postgraduates doing Ph.D.

DEGREES OBTAINED. B.A., 103; M.A., 42; LL.B., 16; B.Sc., 67; M.Sc., 16; B.Eng., 70; B.Com., 32; Mus.B., 5; B.Agr.Sc., 18; M.Agr.Sc., 3.

DIPLOMAS. Dip. Music, 13; Dip. Fine Arts, 21; Dip.Ed., 3.

AUCKLAND UNIVERSITY COLLEGE

Founded 1882

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—SIR ALEXANDER H. JOHNSTONE, O.B.E., K.C., B.A., LL.B.

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) Assoc. Prof., Hd. of Dept.
Leys, W. C. S., M.A., LL.B. (Comml. Law) Sr. Lectr.
Johnston, T. R., LL.M., B.Com. Lectr.
Kay, R. M., B.Com., F.R.A.N.Z. Lectr.
Horrocks, J., B.A., B.Com. Lectr.
McKenzie, J. W., B.Com. Lectr.
Mackie, W. N., M.Com. Lectr.

Anthropology

Piddington, R. O., Ph.D. Lond., M.A. Syd. Prof.

Architecture

Knight, C. R., B.Arch., M.A. Liv., F.N.Z.I.A. Dean, Fac. of Arch., Prof.
Light, A. C., B.A. Lond., F.R.I.B.A. (Design) Prof.
Crookes, S. I., Jr., B.A. Assoc. Prof.
Toy, R. H., Ph.D. Dub., B.Arch. Sr. Lectr.
Marshall, A. C., B.Arch. Sr. Lectr.
Brown, V. A. Sr. Lectr.
Ferriday, E. G., B.Sc. (Eng.) Birm. Lectr.
Turkington, J. Art Instr.

Botany

Chapman, V. J., Ph.D. Camb. Prof.
Millener, L. H , M.Sc. Lectr.
Godley, E. J., Ph.D. Camb., M.Sc. (Genetics) Lectr.
Bollard, E., Ph.D. Camb. Lectr.
de Berg, Ruth F., B.Sc. Demr.

Chemistry

Llewellyn, F. J., B.Sc , Ph D. Birm., F.R.I.C., F.N.Z.I.C. Prof. and Dean, Fac. of Sci.
Briggs, L. H., D Phil. Oxon., D.Sc., F.N.Z.I.C., F R.S N.Z. Assoc. Prof.
Bloom, H., Ph.D., D.I.C. Lond., M.Sc. Melb. Sr. Lectr.
Odell, A. L., M.Sc. Lectr.
Seelye, R. N., M.Sc. Lectr.
Paterson, R. M. L., M.Sc. Jr. Lectr.
Maslen, H., B.Sc. Jr. Lectr.

Classics

Blaiklock, E. M., M.A., Litt.D. Dean, Fac. of Arts, and Prof.
Crawley, L. W. A., B.A. Camb., M.A. Sr. Lectr.
Hames, E. W., M.A. (Hebrew) Lectr.

Economics

Simkin, C. G. F., D Phil. Oxon., M A , Dip Soc Sc (on leave) Dean, Fac. of Comm., Prof.
Rodwell, H R , M.A., Dip Soc.Sc. Assoc Prof.
Fisher, M R , M.A Lectr.
Bergstrom, A R , M Com Jr Lectr.
Hardie, B. G , B A Res Asst

Education

Fitt, A. B , Ph D Leip , M A Dean, Fac. of Educ , Prof.
Cumming, I., B.A., M Ed Melb. Sr Lectr
Hare, W B , M A , Dip Ed Lectr
Rogers, C. A , B Ed. Melb , M A Dip Ed. Lectr.

Engineering

Leech, T D J , C B E , B Sc , B.E (Civ) Syd. Dean, Fac. of Engineering, Prof.
Dalton, C J. D , Ph.D Oxon , B E (Civil), B Sc Prof.
Dawson, C (Elect. E) Sr Lectr.
De Bray, B. P. G , M.Sc Lond. (Aeronaut E) Sr Lectr
Thomass, L. H., B.Sc. Lond , B.E. (Civ.) (Civ E) Sr. Lectr.
Glover, J H , B Sc Lond. (Mech E) Sr. Lectr
McLaren, E. J. R (Civ E.) Lectr.
Wallace, H E , B E., M.Sc Lectr.
McMullen, J. J , B Sc Lond (Elect. E) Lectr.
Jebson, W. N. (Mech. E.) Lectr.
Burton, C M. (Mech E.) Jr. Lectr.

English Language and Lit.

Musgrove, S , M.A , D.Phil. Oxon. Prof.
McCormick, E. H., M.A., M.Litt. Camb., Dip.Ed. Sr. Lectr.
Sheppard, Elizabeth A., M.A., Ph.D. Lond. Sr. Lectr.
Joseph, M K , B.A., B.Litt Oxon. Lectr.
Reid, J C., M.A. Lectr.

Fine Arts

Fisher, A. J. C. Director.
Weeks, J. Sr. Lectr.
Turkington, J Lectr
Eise, Ida G Lectr.
McLaren, A W S Lectr.
White, Anna L Lectr

Geography

Cumberland, K B , M A Lond., D Sc Prof.
Lister, R G , B A. Lond. Lectr.
Fox, J. W., B A. Lond. Lectr.

Geology

Lillie, A. R , M A Camb., D. ès Sc. Geneva Prof.
Laws, C R , D Sc Sr Lectr
Searle, E J , M Sc Demr

Hebrew, v. Classics

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 Lectr.
Chapman, R M , M A Lectr
Thompson, Margaret, 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.
Henderson, E. W., LL.M. Sr. Lectr Lecturers
Vautier, M. H., LL.M.
Hanna, G. P. H., O.B.E., LL.M.

Mathematics

Forder, H. G., M A. Camb. Prof.
Hookings, G. A., M Sc. Camb , M.Sc. Sr. Lectr.
Segedin, C. M., M.Sc. Sr. Lectr.
Segedin, M. G., M Sc. Lectr.
Campbell-Allan, D , B A. Camb. (Engin. Maths.) Lectr.

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. 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. Assoc. Prof.
Pflaum, K. B , M A St. And , B Litt. Oxon. Lectr.
Walters, R H , B.Phil. Oxon., M.A., Dip.Ed. Brist. 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. Sr. Lectr.
Farley, F. J., M.A. Camb. Sr. Lectr.
Sagar, F. H., M.Sc. Lectr.
Mawson, D. G , M.Sc Lectr.
Hobbis, L. C., M.Sc. Jr. Lectr.

Zoology

McGregor, W. R., B.Sc. Hd. of Dept., Assoc. Prof.
Stephenson, N. G., Ph.D Lond., M Sc. Lectr.
Woodward, T E , Ph D Lond., M Sc Lectr.
Segar, Evelyn C. M., B Sc. Demr.

Liaison Officer with Secondary Schools

.....

Adult Education

Morrison, S. R., M.A. Director.

Tutor Organizers

Smith, Elizabeth M , M A.
McMillan, Sheila G , B H.Sc., Dip Ed.
Rutherford, D. W , M A.
Ring, G L , B.A.
Graham, A B , B.A.
Bell, C. A , M A
Baigent, H. V., B.A.
Power, H. M., B.A.
Winiata, M., 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.

COURSES are provided for the degrees of the Univ. in Arts, Science, Architecture, Law, Music, Commerce and Engineering, and for the Diplomas of Journalism and Fine Arts.

FEES. The approx. inclusive fees are as follows: Arts, £50; Science, £68; Law, £80; Commerce, £50; Architecture, £112; Music, £32.

PUBLICATION. *Calendar* (Feb.).

THE YEAR 1949

EXTRA-MURAL WORK (1949). 504 students.

STUDENTS. Total: 2843; full-time: 1093; pt.-time: 1750; the total includes 655 women and 286 postgraduates.

DEGREES. B.A., 113; M.A., 40; LL.B., 18; LL.M, 3; .B.Sc., 52; M.Sc., 12; B.Com., 20; Mus.B., 2; B.Arch., 6; B.E., 13; Dip.Arch., 11; Dip.Ed., 3; Dip.Mus., 1; Dip.Urb.Val., 6; Dip. Banking, 1; Dip.Journ., 3.

VICTORIA UNIVERSITY COLLEGE
WELLINGTON

Founded 1897

Address—Kelburn Parade, Wellington, W.1.

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, Ph D. Camb., LL.M.

REGISTRAR—L. O. DESBOROUGH, B.Com.

LIBRARIAN—H. G. MILLER, M.A.

TEACHING STAFF

Accountancy

Part-time Lecturers

Tayler, D. de P., B.Com. (Accounting I and II).

Rodger, W. G., J.P., B.Com., F.I.A N.Z., F.C.I.S. (Accounting III and Auditing) Hd. of Dept.

Burton, R. C. C., LL.M. (Commercial Law I and II).

Edgar, R F., C.I S. (Secretarial Law and Practice).

Botany

Gordon, H. D., B.Sc., Ph.D. Edin. Dean and Prof.

Gibbs, J. Gordon, Ph.D. Minnesota, M.Agr. Sr. Lectr.

Peebles, Marie, M.Sc. Jr. Lectr.

Dellow, Una V., M.A. Jr. Lectr.

Chemistry

Slater, S. N., D.Phil. Oxon., M.Sc. Prof.

Monro, A. D., M.Sc. Assoc. Prof.

Metcalf, W. S., M.Sc., Mus.B. Sr. Lectr.

Swedlund, B. E., M.Sc. Jr. Lectr.

Caverhill, A. R., M.Sc. Jr. Lectr.

Waters, H. D. C., M.Sc. Jr. Lectr.

Classics

Murray, H. A., M.A. Aberd., B.A. Camb. Dean and Prof.

Dettmann, Denise D. H., M.A. Syd. & Oxon., Dip. Class. Arch. Sr. Lectr.

Quinn, K. F., B.A. Camb. & N.Z. Lectr.

Judge, E. A., B.A. Jr. Lectr.

Economics

Belshaw, H., Ph.D. Camb., M.A. Prof., Dean Fac. of Commerce.

Heine, Hilda G., Ph.D. Berlin, M.A. Sr. Lectr.

Shearer, J. O., M.A. Sr. Lectr.

Education

Bailey, C. L., M.A., Dip.Ed. Prof.

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. (on leave) Jr. Lectr.

English Language and Literature

Gordon, I. A., Ph.D. Edin., LL.D. Brist., M.A. (on leave) 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.
Ardern, P S., B.A Oxon., M.A. Temp Sr Lectr.
Culliford, S G, D S.O., Ph.D. Lond, M A. Lectr.
Trapp, J. B, M A Jr. Lectr.

Geography

McKenzie, D W, M Sc. Sr. 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.
Monk, W. F., M A Oxon. and N Z. Sr. Lectr.
Boyd, Mary B, M A Jr. Lectr.
Oliver, W. H, M A. Jr. Lectr.

Law, English and N.Z.

..... Prof.
Campbell, I. D, LL M. Sr. Lectr.
Marshall, J. R, LL.M, B.A., M P. (Procedure) Pt.-time Lectr
Christie, R. C., LL.B. (Conveyancing) Pt.-time Lectr.
Hurley, A E., LL.B (Conflict of Laws) Pt -time Lectr.
Morrison, N. A, LL.B. (Torts) Pt.-time Lectr.
O'Flynn, F. D., B.A., LL M. (Trusts and Bankruptcy) Pt.-time Lectr.

Law, Roman, etc.

McGechan, R. O, B.A., LL.B. Syd. Dean and Prof.
Braybrooke, E. K, LL.M Columbia and N.Z. Sr. Lectr.

Mathematics

Miles, F. F., M.A. Oxon. and N.Z., Dip.Ed. Prof.
Campbell, J. T., Ph.D. Edin., M.A. Assoc Prof.
Seelye, C. J., Ph.D. Edin., M.Sc. Sr. Lectr.
Patterson, D., M.A., M.Sc. Lectr.

Modern Languages

Boyd-Wilson, E. J, B A. Camb., M A., B Sc. Prof
Huntington, Frances M, M A Sr. Lectr.
Carrad, D. B., M.A Oxon. 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. Lectr.

Philosophy

Hughes, G E., M.A. Glas. Prof.
Hudson, H., M.A Lectr
*Ogilvie, C W, B A Melb Jr Lectr.

Physical Welfare Officer

.....

Physics

Watson-Munro, C. N, M Sc. Prof.
Peddie, G. A., M.A. Sr. Lectr.
Cwilong, B. M., Mag. Nat. Phil. Warsaw, D Phil Oxon. Sr Lectr.
Ryder, N. V, M.Sc. Sr Lectr.
Manchester, F. D., M.Sc. Jr. Lectr.
Munster, R. J, M Sc. Jr. Lectr.
Humphrey, R. W., B.Sc. Temp. Jr. 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. Sr. Lectr.
Congalton, A. A., M.A., Dip.Ed. Lectr.
McCreary, J. R., M.A. Jr. Lectr.
Gabriel, J., B.A. Lond. Jr. Lectr.

Political Science and Public Administration, School of

Parker, R. S., M.Ec. Syd. Prof.
Scott, K. J., M A., LL.B., D.P.A. (on leave) Sr. Lectr.
Kahn, J F , Dr iur. utr Munich Lectr.
Brookes, R. H., B.Sc. (Econ.) Lond. Lectr.
Benda, H. J. Temp Jr Lectr.

Social Science, School of

Marsh, D. C., M.Com. Birm. Prof.-in-charge
Robertson, Jean M., M A., Dip. Soc.Sci Glas. Sr. Lectr.
..... 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.) (on leave) Sr. Lectr.
Ralph, Patricia M , M Sc Lectr
Laird, M , Ph D , M.Sc. Hon Lectr
Dawbin, W H. I , M Sc Jr Lectr

Adult Education

Hely, A. S., M.A , B.Com. Director.

Tutor-Organizers

Mountjoy, W. J., B.A.
Long, A. G., B A.
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)
Hawkins, Claudine (Arts and Crafts).
Wemyss, Pamela (Arts and Crafts, Jr.).
Stocker, Kate H. Drama).
Haddon - Jones, Margaret E , Mus B N Z (Music).
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 (Dressmaking, Jr.).

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 grants about £93,000 (in 1949 : £85,000).

FULL DEGREE COURSES are provided in Arts, Science, Law and Commerce (v. p. 826), 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.

RESEARCH SCHOLARSHIPS. Univ. Research Scholp. : 2 scholps. of £200 p.a. for 2 yrs., for postgraduate work to undertake original research ; J. Joseph : two scholps. of £60 for 1 yr. for original work.

RESIDENCE. Weir House provides accommodation for about 90 men students.

PUBLICATIONS. *Calendar* (Dec.); Students' Magazine published towards end of each session.

THE YEARS 1949, 1950*

RETIREMENT. Prof. P. W. Robertson (Chemistry).

STUDENTS (1949). Total: 2296; full-time: 568; pt.-time: 1728; the total includes 469 women and 284 postgraduates. Extra-mural: 486, including 76 women.

DEGREES (May 1949). B.A., 110; M.A., 38; LL.B., 27; LL.M., 2; LL.D. (Hon.), 1; B.Sc., 74; M.Sc., 25; B.Com., 37; M.Com., 5; Mus.B., 1; Dip.Ed., 8; Dip.Journ., 5; Dip. Public Administration, 13.

* Up to February 1950.

CANTERBURY AGRICULTURAL COLLEGE
LINCOLN

Founded 1873

Postal Address—Lincoln College, Private Bag, Christchurch.

VISITOR—THE MINISTER OF EDUCATION.

DIRECTOR—Prof. E. R. HUDSON, B.Agr., B.Sc., Dip. C.A.C.

ASST. DIRECTOR—J. W. CALDER, B.Agr., M.Sc., Dip. C.A.C.

REGISTRAR—H. G. HUNT, B.Com.

WARDEN—J. D. MACKAY, M.B.E., B.A., B.Sc.

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., B.A. (Agric.) Camb. Lectr.
Hollard, M. G., M.Agr.Sc. Lectr.
Baker, A. F. H., M.Sc. Res. Officer.
Clark, V. R. Res. Officer.

Engineering

Riddolls, A. W., B.E., B.Sc. Hd. of Dept., Sr. Lectr.
Cochrane, R. H., B.A. Camb. Lectr.

Entomology

Morrison, L., B.Sc. (Agr.) Aberd. Hd. of Dept., Sr. Lectr.
Doull, K. M., M.Agr.Sc. Jr. Lectr.

Farm Management

Flay, A H., B.Sc., M.Agr.Sc., Dip. C.A.C. Assoc. Prof.
Garrett, H. E., B.A., B.Litt. Oxon., M.Agr.Sc. Sr. Lectr.
Cooke, M. B., Cert. Agr., Dip. C.A.C. Lectr.
Schapper, H. P., B.Com., Dip. V.F.M., Dip. Agr. Lectr.
Oldfield, J. H., Dip. V.F.M., Dip. C.A.C. Field Officer.

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. Sr. Lectr.

Horticulture

McElroy, L. F. Sr. Lectr.
Glazebrook, J. H., B.Sc. (Hort.) Reading Jr. Lectr.
Bulman, R. S. Instr. and Hd. Gardener.

Microbiology

Blair, I. D., Ph.D. Lond., M.Agr.Sc. Hd. of Dept., Sr. Lectr.

Rural Education

McCaskill, L. W., M.Agr.Sc., Dip. C.A.C. Assoc. Prof.
Botting, H. L. Jr. Lectr.

Soils and Fertilizers

Elphick, B. L., B Sc Lond. Actg. Sr. Lectr.
Orchiston, H. D., M Sc. Jr. Lectr.
Adams, A F. R , M.Sc Res. Officer

Veterinary Science

McLean, J. W., M Agr Sc., B.V Sc. Syd Assoc. Prof
Thomson, G. G., B Sc (Vet. Sc) Edin. Lectr

Wool

Henderson, A. E., B Agr.Sc. Sr. Lectr.
Drake, J H. Instr.

Honorary Lecturers

Hadfield, J W , Director of Agronomy Division, D S I R.
Frankel, O. H , D.Agr. Berlin, M.Agr Sc., Chief Executive Officer, Wheat Research Inst

Farm Manager

Tebb, C. P., Dip C A C

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. By the School of Agriculture Act, 1937, Canterbury Agricultural College and Massey Agricultural College were constituted a New Zealand School of Agriculture in connexion with the University of New Zealand. Under the Statutes Amendment Act 1945 the N.Z. School of Agriculture became associated for administrative purposes with the Department of Education instead of the Department of Agriculture.

FARMS of 2200 acres.

LABORATORIES. Biology, Chemistry, etc.

LIBRARY. 4000 publications.

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.

The WHEAT RESEARCH INSTITUTE and the Agronomy Division of the D.S.I.R. are located at the College.

COURSES AND FEES. Degree Course (B.Agr.Sc.), 4 yrs.—lectures £22 : 10s. p.a. Board, 46s. per week for academic year of approx. 28 weeks. Diploma of Agriculture Course (Dip. C.A.C.), 2 yrs., £76 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., £76 p.a. including board and tuition. Special Courses for Third-year Training College Students in Agriculture, and for Soil Conservators. Various Short Courses, including courses specially designed for returned Service men.

PUBLICATIONS. Monthly Rural Education *Bulletin*; *Annual Review*.

THE YEAR 1949

NEW BUILDINGS. Work is progressing on a new dormitory block to house 160 students. 2 addl. temp. labs. and 2 lecture rooms completed. Plans for Refectory, Lab., Library and Admin. blocks well advanced.

OTHER DEVELOPMENTS. Following discussions with the Minister of Education and with representative bodies, the Board of Governors was reconstituted. Teaching for the new degree in Agriculture began.

EXTRA-MURAL WORK. 80 lectures were given by members of the staff at other Colls. and to outside organizations such as Federated Farmers, Women's Division of the Federated Farmers, Women's Institute, Horticultural Societies, and Young Farmers' Clubs Farmers Field Days at 7 other centres were assisted. In addition, a spec. short course was conducted at Marlborough to assist farmers settled under rehabilitation in that district. Coll. services include the visiting of S. Island Secondary Schools, wireless talks, show exhibits, preparation of bulletins and press articles, advisory service by correspondence, vet. service to farmers, farm-management supervision, and preparation of spec. reports on production and farm valuations. General Field Days were attended by over 1400. In addition, special Field Days were carried out for 44 groups totalling 3017 persons, an average of 68 for each group. The majority of these visitors were from all parts of Canterbury but included visitors from other districts of New Zealand and officers of the Dept. of Agriculture from throughout the N. and S. Islands.

VISIT OF TEACHER FROM OTHER UNIVERSITY. Dr. E. L. Palmer, Prof. of Rural Educn., Cornell, in N.Z. at the invitation of the U.S. Educational Foundation, was based at the Coll. for several months.

RESIGNATIONS. B. A. Taylor (Vet. Sci), to take up private practice. R. H. Bevin (Agric), to be Technical Officer, Meat and Wool Board, Wellington. H. T. Wenham (Microbiol.), to be Lectr. in Agric. Microbiol., Massey Agric. Coll.

DEATH. W. O. Rennie, former Chairman and a member of the Board of Governors since 1930.

STUDENTS. Total: 520; full-time: Degree, 68; Dipl. of Agric., 73; Dipl. of Valuation and Farm Management, 31; Intensive, 27; Dipl. of Hortic., 17; Soil Conservation Course, 7; Rural Field Cadets, 44; pt.-time: Short Courses, 253.

DEGREES AND DIPLOMAS. M.Agr.Sc., 5; B.Agr.Sc., 20; Diploma V.F.M., 24; Diploma C.A C., 27; Dipl. of Hortic., 9.

MASSEY AGRICULTURAL COLLEGE
PALMERSTON NORTH

Founded 1926

Address—Palmerston North, N.Z.

CHAIRMAN OF BOARD OF GOVERNORS—W. V. DYER, O.B.E.
PRINCIPAL—G. S. PEREN, C.G., B.S.A. Tor.
VICE-PRINCIPAL—W. RIDDET, B.Sc. (Agric.) Glas.
REGISTRAR—C. C. YATES, F.R.A.N.Z.
LIBRARIAN—H. D. ERLAM, B.A.
LITERARY OFFICER—L. A. G. BARRETT.

TEACHING AND RESEARCH STAFF

Agr. Biochemistry
Barnicoat, C. R., M.Sc., Ph.D. Minn., F.R.I C. Hd. of Dept.
McGillivray, W. A., M.Sc. Lectr.
Dasent, W. E., M.Sc. Jr. Lectr.

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. (on leave) Hd. of Dept.
Vautier, C. P. W., B.A., M.Com. Lectr.
Newman, B. A., M.A. (Relieving) Jr. Lectr.

Agr. Engineering
McGregor, A. A. D., B.E., M.Sc. Hd. of Dept.
Dickson, A. J. Demr.
McKay, I. R. Demr.

Agr. Zoology
Tetley, J. H., M.Agr.Sc. Hd. of Dept.
Robb, Joan (on leave) Asst.
Broad, Josephine (Relieving) Asst.

Animal Genetics
Dry, F. W., D.Sc. Leeds Hd. of Dept.

Bacteriol and Mycology
Waters, R. Sr. Lectr.

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.
Stewart, A., M.Agr.Sc. Sr. Lectr.
Johnson, A. A. Lectr.
Ellett, T. R., B.Agr.Sc. Jr. Lectr.
Barnes, F. R., M.Agr.Sc. Jr. Lectr.

Dairy Manufactures
Singleton, J. A., B.Sc., B.Agr.Sc * Sr. Lectr.
Henson, J. H., B Agr.Sc. Lectr.
Harkness, W. L.* Lectr.
O'Dea, J. J.* Lectr.

Dairy Technology
Ward, J. W. Sr. Lectr.

Horticulture and Commercial Fruit and Vegetable Growing
Hockey, K. C. Hd. of Dept.

* Joint member of the staffs of the College and Dairy Research Institute.

Richards, M. (on leave) Jr. Lectr.
O'Brien, Margaret Demr.

Microbiology

Sargent, J. D., M.Sc. Hd. of Dept.
Wenham, H. T., B.Sc. Lectr.
Cox, G. A., M.Sc.* Jr. Lectr.

Poultry Husbandry

Kissling, J. H. Lectr. & Mgr.

Sheep Husbandry and Wool Classing

..... Head of Dept.
Gibson, A. J., B.Agr.Sc. Sr. Lectr.
Goldstone, C. L., B.Agr.Sc. Sr. Lectr.
Watt, K. D. Sr. Lectr.
Rae, A. L., M.Agr.Sc. (on leave) Jr. Lectr.
Barton, R. A. Jr. Lectr.
Phillips, T. O. Jr. Lectr.
Goot, H., M.Agr.Sc. Asst.
Wilson, G. S. Asst.

Soils and Field Husbandry

Hudson, A. W., B.Agr., B Sc. Hd. of Dept.
Jacques, W. A., B.Sc. Wales (Field Husb.) Sr. Lectr.
Robinson, G. S., B.Agr.Sc. (Field Husb). Sr. Lectr.
Cross, M. W. (Farm Machinery) Demr.
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.
St. George, N. L. Asst.
Bowler, D. G. Asst.

Veterinary Pathology and Animal Physiology

Webster, W. M., B.Sc. Edin. Hd. of Dept.
Newhook, J. C. Sr. Lectr.
Reynolds, B. A. Technologist.

* Joint member of the staffs of the College and Dairy Research Institute.

GENERAL INFORMATION

The College was estabd. 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. finally estabd. under its present title. Under a further amending Act, the School of Agriculture Act, 1937, the Massey Agricultural College and the Canterbury Agricultural College were constituted a School of Agriculture in connexion with the University of New Zealand and called the New Zealand School of Agriculture.

The College Buildings consist of the Main Building, containing lecture rooms, teaching and research laboratories, library, assembly hall, studies, common rooms, etc.; the Administration Building, and the Students' Residences which provide accomm. for some 300 students.

The Coll. includes a modern dairy factory, with separate rooms for all dairy processes, etc., and equipped with small units of the latest designs of dairy factory machinery. The freehold farm is *c.* 2200 acres in extent, with a wide range of soil types, and is devoted to sheep and dairy farming.

DEGREE COURSES, ETC. Courses are given for the B.Agr.Sc., M.Agr.Sc. and Ph.D. of the Univ. of N.Z. College Diploma courses in Dairying, Agriculture, Horticulture and in Wool Classing, College Certificate courses in Poultry Farming and short courses in Sheep Farming, Dairy Farming, Market Milk

and Ice Cream, Fruit Growing, Seeds and Fertilizers, and Herd Testing are also provided.

RESEARCH. The College is a major centre for research in wool problems. Among the investigations now being conducted are: research into wool improvement and breeding problems in sheep; the effect of various pasture strains and manurial treatments on thrift and productivity of sheep and lambs; the growth and development of sheep's teeth; the milk supply of the ewe; investigations on the epidemiology of round worm parasitism in sheep; the study of the suitability of Cheviot and Romney sheep for marginal country; various aspects of mole draining. Problems of vegetative propagation in plants The Dairy Research Institute (N.Z.) is located at, and the Grasslands Division of the Plant Research Bureau (Dept. of Scientific and Industrial Research) is adjacent to, the College.

FEES. B.Agr.Sc. (including board), £110 p.a.; M.Agr.Sc (including board), £100 p.a.; Farming and Horticulture Courses (including board), £110 p.a.; Dairying, £10 per term; Wool Classing, £20 per course; short courses, £1 per week.

SCHOLARSHIPS. Various Govt. and Univ. Scholps. are open to students.

THE YEAR 1949

RESIGNATIONS. E. A. Clarke (Sheep Husbandry), to Animal Res. Stn., Ruakura; A. R. Bergstrom (Agric. Econ), to Auckland Univ. Coll.; A. C. Callaway (Agric. Econ.); L. Jurd (Agric. Biochem.).

STUDENTS. Full-time · 331, including 9 graduates Pt.-time · 269. In addition 1017 attended special short courses extending from three days to one week.

DEGREES OBTAINED. M Agr.Sc., 3, B.Agr.Sc., 12.

UNIVERSITIES OF THE UNION OF SOUTH AFRICA

CAPE TOWN
NATAL
ORANGE FREE STATE
PRETORIA
SOUTH AFRICA, PRETORIA
STELLENBOSCH
THE WITWATERSRAND, JOHANNESBURG

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 further revised 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 the 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,* and in 1909 a similar College was instituted at Pietermaritzburg, 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

* Now the University of Pretoria.
† Now the University of Natal.

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.

The Faculties of the Univ. of Stellenbosch were specified originally as—Arts, Science, Education, Agric., Law, Theology, Commerce, to which have now been added Forestry and Engineering; of the Univ. of Cape Town as—Arts, Science, Medicine, Law, Engineering, Education, to which have been added subsequently Commerce, Music, Fine Art (and Architecture), and Social Science. Of the Univ. of South Africa the Faculties are not defined, but permission is given to each of the constituent Colleges to establish such faculties or depts. as it may deem fit; provided that it shall not, without the consent of the Govr.-General, apply towards the maintenance of a faculty or dept. not established at the commencement of the Act any money granted to the College from public funds. The three University Acts referred to above also made provision for the establishment of a Joint Matriculation Board and a Joint Committee for Professional Examinations, the functions of which are indicated below.

In 1921 the teaching institution at Potchefstroom was admitted as a constituent College of the University of South Africa under the name of the Potchefstroom University College (v. footnote on p. 892).

In 1921 Parliament passed a further Act, which has the effect of incorporating, with effect from March 1, 1922, as "The University of the Witwatersrand, Johannesburg," the University College, Johannesburg (formerly the S. African School of Mines and Technology, and one of the constituent Colleges of the University of S. Africa). Its Faculties are defined as Arts, Science, Medicine, Law, Engineering, Commerce, and Dentistry, to which has been added Architecture.

In 1923 the South African Native College at Fort Hare, established

primarily for the benefit of the native races of South Africa, was incorporated under the Higher Education Act of 1923.

In 1930 Parliament passed an Act incorporating the Transvaal University College, Pretoria, as " The University of Pretoria " as from October 10, 1930. Its Faculties are specified as Arts, Science, Agriculture, Law, Theology, Commerce and Public Administration, Veterinary Science, Education, Music, to which has been added Medicine.

In 1948 Parliament passed an Act incorporating the Natal University College as the " University of Natal " which came into being on March 15, 1949. Its Faculties are specified as Arts, Science, Education, Commerce and Public Administration, Engineering, Agriculture, Law, Social Science.

In 1949 Parliament passed two Acts, one incorporating Rhodes University College as Rhodes University and the other incorporating the University College of the Orange Free State as the University of the Orange Free State. The University of the Orange Free State came into being on March 18, 1950, and March 10, 1951, has been fixed as the " appointed day " when Rhodes University will come into being. The Faculties of the Univ. of the Orange Free State are defined as Arts, Science and Social Sciences, Natural Sciences, Education, Law, Commerce and Public Administration.

Each of the seven Univs. is governed by Council, Senate, and Convocation. The Senate of the Univ. of South Africa consists of the Heads of the Constituent Colleges and the Professors and Lecturers of the constituent Colleges who are heads of such departments as are recognized by the University Council, and the Director of the Division of External Studies and such Lecturers of the Division who are heads of such departments as are recognized by the University Council; 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.

There are three Faculties of Medicine, in Cape Town, Pretoria and Johannesburg; four of Engineering, in Cape Town, Johannesburg, Stellenbosch and Durban; three of Agriculture, at Pretoria, Stellenbosch and Natal; at Pretoria there is also a Veterinary Science Faculty, and at Stellenbosch in 1932 a Forestry course was started; there are Theological Faculties at Stellenbosch and Pretoria.

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.

Legal and commercial training is given in all the Universities; so is the teaching of the subjects usual in a Science and in an Arts Faculty.

Schools of African Life and Languages have been established at four of the Universities, and a considerable amount of valuable work has been done.

The South African Native College at Fort Hare is not yet a constituent College of any of the Universities, and students taught there take degrees of the University of South Africa externally.

SCHOLARSHIPS. Open to graduates of all South African Universities: 1851 Exhibition Scholarships, £275 p.a. for 2 yrs. (in exceptional cases, 3 yrs.), tenable at any institution approved by 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, South Africa 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. 381

See also under the separate Universities

TERMS The academic year is usually divided into 4 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 seven 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 seven 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, University Colleges 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.

The JOINT MATRICULATION BOARD consists of representatives of the seven Univs., the Departments of Education of the Union, the four Provinces, S. Rhodesia and S.W. Africa, and the Secondary Schools (public and private) of the four Provinces. Its function is to control and conduct the Matricn. Examn. of the seven Univs., and to deal with all applications for exemption therefrom. Regulations require candidates to *take*, at one and the same examination, not fewer than six or more than seven subjects and to *pass* with not less than 33⅓ per cent. in each in not fewer than five and obtain a fixed minimum aggregate. Candidates so passing obtain *School-Leaving Certificates* if the passing subjects include (i) An official language on the Higher Grade, (ii) Mathematics or a Science, (iii) the other official language or an approved Bantu language or Latin or French or Greek or German or History or Geography ; and *Matriculation Certificates*, if the passing subjects include four subjects, one from each of the four groups : (i) an official language on the Higher Grade, (ii) the other official language on the Higher or Ordinary Grade or an approved Bantu language (A or B grade), or Latin or French or Greek or German, (iii) a Science, or Mathematics, (iv) Mathematics if not taken under (iii) or another language from (ii), or History or Geography or Hebrew or other language in which the Board agrees to conduct an examination, in which the candidate has obtained the Matriculation standard of 40 per cent. Candidates must also have passed in Mathematics or a Third Language, viz., a language other than English, Afrikaans, Nederlands.

EXAMINATIONS EXEMPTING, SUBJECT FOR SUBJECT, FROM THE MATRICULATION EXAMINATION OF THE BOARD (candidates must hold a cert. entitling them to unconditional admission to a Univ. in the country of origin. "Credit" is equated to the Matriculation Standard) : The four South African Departmental School-Leaving Examinations ; Seven British School Certificates ; Intermediate Examination, First Class, of Indian Universities ; Matriculation or other entrance certificate of other approved Universities ; Leaving Certificate of Education Departments of Secondary School entitling holder to admission to such University ; British Higher Certificates ; Leaving Certificates of Education Departments of Scotland and Eire ; Hoofdakte (Holland) ; Forces Preliminary Examination.

CONCESSIONS TO EX-VOLUNTEERS. Matriculation Certificates are awarded to ex-Volunteers who, within two years after discharge, have

passed in four subjects (not necessarily on the Matriculation standard, or at one and the same examination), namely (i) an official language on the Higher Grade; (ii) a second language or Mathematics or a Science; (iii), (iv) two further subjects; exemption certificates being similarly awarded on the ground of passes at recognized examinations.

Non-matriculated candidates over the age of 25 who desire to proceed to a degree course and are not eligible for exemption under the ordinary regulations may, under certain conditions, be specially exempted from matricn. on the recommendation of the Univ. or other authority concerned.

The address of the Secretary (who is also Registrar of the Univ. of S.A.) is P.O. Box 392, Pretoria.

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

Founded 1918

Postal Address—Private Bag, Rondebosch.
Telegrams—University, Rondebosch.

VISITOR—H.E. THE GOVERNOR-GENERAL.

CHANCELLOR—.....

PRINCIPAL AND VICE-CHANCELLOR—T B. DAVIE, LL D. Camb , B.A. Cape, M D. Liv., F.R.C P.

CHAIRMAN OF COUNCIL—W. DUNCAN BAXTER, LL D

REGISTRAR—A. V. H. CARTER.

LIBRARIAN—R. F. M. IMMELMAN, B L S Columbia, F L A , M A

TEACHING STAFF

Accounting and Business Method

Greenwood, H. Prof.

21 Pt.-time Lectrs.

African Studies

Schapera, I., D Sc Lond , M A , F R.S S Af. (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.

Simons, H J , M A. S A., Ph D. Lond (Native Admin) Lectr

Jordan, A C., M A. S.A. (Bantu Langs.) 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.

Keen, J. A., M.B., B.S. Lond., F.R.C.S. Sr. Asst.

Singer, R., M.B., Ch.B. Lectr.

Marr, J. A. S., M.B., Ch.B., F.R.C.S. (Surg. Anat.) Lectr.

7 Pt.-time Assts., 2 Tech. Assts.

Architecture, v p. 861

Bacteriology, v Pathology

Botany and Bolus Herbarium

..... Harry Bolus Prof.

Compton, R H , M A Camb , F.R.S S Af. Harold Pearson Prof , Dir. of National Bot. Gardens

Bolus, Mrs. Harriet, B A. Cape, D.Sc. Stell., F.R.S S.Af. Curator, Bolus Herbarium.

Smuts, Patricia L., B Sc. Lectr.

Olivier, Dorothea L , B.Sc. Rand, M Sc. Lectr.

Schütte, K. H. Lectr.

Wilman, Audrey, B.Sc. Lond. 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.
Spong, A. H., M.Sc. Lond., Ph.D. Camb. Sr. Lectr.
Tait, R. F. W., B.Sc. Edin , Ph.D. Birm. Lectr.
Sebba, F., M Sc., Ph.D. Lectr.
Lamchen, M., M.Sc. Pret., Ph D. Lond. Lectr.
Theal-Stewart, E., M.Sc., Ph.D. Lectr.
5 Jr. Lectrs., 5 Tech. Assts.
2 Demrs., 1 Clerical Asst.

Classics

Baldry, H. C., M.A. Camb. (Gk) Prof. and Head of Dept.
Rollo, W , M A , D Litt Glas , Litt D Leiden Prof.
Burrows, L , B A Liv Lectr.
Hewitt, W. H , B A. Oxon , M.A. Lectr.

Commerce

Hutt, W H., B Com. Lond. Prof.
Horwood, O. P. F., B Com Sr. Lectr.
Hansman, G H , M.Sc , Ph D., F.I.A. (Actuarial Service) Lectr
Powell, W P , B.Com Lectr.
1 Clerical Asst

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.
Baskin, Miss, B.Soc.Sc. Jr. Lectr.
Arkin, M., B.Com. Jr. Lectr.
2 Demrs.

Education

Grant, W. F., B.Sc. Lond. (in English) Prof.
Burger, F. J., M.A., Ph.D. (in Afrikaans) Prof.
Pells, E. G., B.Sc., B.Litt. Oxon. M.A., B.Ed. Sr. Lectr.

Lecturers

Olivier, S. P., B.A., M.Ed., D.Phil.
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.
8 Assts., 1 Clerical Asst.

Engineering, v. *infra*

English

Doughty, O., M.A Durh., B.Litt. Oxon. (E. Lit.) Arderne Prof.
.....
(E. Lang.) De Beers Prof. and Hd. of Dept.
Cavers, Dorothy L., B.Litt. Oxon., M A , B.Ed. Sr. Lectr.
Segal, P., M A Lond., B.Ed. Lectr.
Haworth, Joan C., M.Sc. S A. Jr. Lectr.
Morgan, Mrs. Anne M., M.A., B.Ed. Jr. Lectr.
1 Demr.

Ethics and Politics

Murray, A. H , M.A. Stell., B.Litt., D.Phil. Oxon. Prof.
Versfeld, M., Ph.D. Edin., M.A. Lectr.
van Wyk, Mrs. Anna L., M.A. Lectr.

Architecture

White, L. W. Thornton, F.R.I.B.A. (Archit.)
Prof. and Director, Sch. of Arch.
Pryce-Lewis, O., A.A. Dip.
Asst. Dir., Sch. of Arch.

Senior Studio Masters

Harper, D. R., B.A. (Arch.) Liv.
Sturrock, F. L.

Pett, D. W., B.A. Camb.
Studio Master and Lectr.
Klop, U. H.
Studio Master and Lectr.
1 Asst., 2 Clerical Assts.

Fine Art School

Shephard, R. N., Slade Dip. of Fine Art, Lond. Prof.
Mitford-Barberton, I. G. Lectr.
Twine, S. W. Lectr.
Simmers, M. (Drawing) Asst.
1 Jr. Lectr., 4 Pt.-time Assts.

French

Inskip, D. P., M A Glas., L. ès L. Nancy Prof.
Greshoff, C. J., M.A. Lectr.
Blair, Mrs. Dorothy S., B.A., Cert. d'Études Françaises Besançon.

Geography

Talbot, W. J., B.Sc. Lond. Prof
Scott, P., M.Sc. Lectr.
Mabbutt, J. A., B.A. Camb. Lectr.
2 Lab. Assts., 1 Research Asst.

Geology, v. Mineralogy

German

Rosteutscher, J. H. W., D.Phil. Breslau, Ph.D Camb. Prof.
Hinderks, H. E., M.A., Ph.D. Basle Lectr.
Hermenau, Hille, B.A. 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 Geo. V Prof.
Thompson, L. M., M.A. Oxon., M.A. 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.
Corbett, Joan E., M.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. (R. Dutch) Prof.
Beinart, B., LL.M. Lond., B.A., LL.B.
..... W. P. Schreiner Prof.
Scoble, C. N., B.A., LL.B. S.A. Lectr.
Theron, M. E., B.A., LL.B. Lectr.
Banks, B. J. F., B.A., LL.B. S.A. Asst.
1 Clerical Asst.

Logic and Psychology

Reyburn, H., M.A., Ph.D. Glas., F.R.S.S.Af. Prof.
Eales, W. C., B.A. Cape, M.A S.A. (L. and Metaphys.) Sr. Lectr.
Taylor, J. G., M.A. Aberd. (Psychol.) Sr. Lectr.
Grover, Vera M., M.A. Lectr.
Thompson, Elsie M., B.A. S.A. (Psychol.) Lectr.
Raath, Magdalena J. Research Asst.
1 Asst., 1 Clerical Asst. (Science Faculty).

Mathematics, Applied

Hales, A. L., B.A. Camb., Ph.D. Prof.
Pollard, M. J , M.A. Camb., B.Sc. Wales Sr. Lectr.
Langerman, S. M., M.Sc., M.A. Camb. Lectr.
Whiteman, J. H. M., M.A. Camb., Ph.D. Lectr.
Liebeck, H., B.Sc. Jr. Lectr.

Mathematics, Pure

Sears, D. B., D.Sc. Rand Prof.
Skewes, S., Ph.D. Camb., M.A., B.Sc. Sr. Lectr.
Pauc, C. Y., D. ès Sc. Lectr.
Household, K. O., B.Sc. Rand, M.A. Princeton, M.Sc. Lectr.
Kipps, Mrs. Helene, M.A., M.Sc. Lectr.
Pauc, Mrs. Christiane M. L., Ag.Sc.Math. Jr. Lectr.
2 Demrs.

Mineralogy and Geology

Walker, F., M.A. Camb., Ph.D., D.Sc. Edin. Philipson-Stow Prof.
..... Sr. Lectr.
Vincent, H. G. G., M.A. Camb. Lectr.
Mathias, Mrs. Frances C. M., M.A., Ph.D. Jr. Lectr.
..... Jr. Lectr.
1 Research and Museum Asst., 1 Demr., 2 Lab. Assts.

Music

Chisholm, E., D.Mus. Edin., F.R.C.O. Prof and Dir. of Coll.
Findlay, S. Asst. to Director.
van Wyk, Arnold Sr. Lectr.
Armhold, Adelheid Sr. Lectr.
Kraus, Lili, Prof. of Pianoforte Sr. Lectr.
Rubens, I Lectr.
Leftwich, Mrs. Blanche Lectr.
Dennis, E. J. Lectr.
Kofsky, N. Lectr.
van de Vliet, Elizabeth, Dip. Royal Conservatorium, The Hague Lectr.
Hall, L., B.A., B.Mus. Lectr.
Stevenson, Primrose Asst.
2 Cler. Assts., 34 other staff.

Nederlands en Afrikaans

Scholtz, J. du P., M.A. Stell., Litt.D. Amst. Hofmeyer Prof.
van der Merwe, I. W., M.A. Sr. Lectr.
Bax-Botha, Mrs. Marie A., M.A. S.A. Lectr.
du Plessis, I. D., M.A., B.Ed., Ph.D. Lectr.
Opperman, D. J., M.A. Lectr.

Philosophy, v. Logic and Psychology, and Ethics

Physics

James, R. W., M.A. Camb., B.Sc. Lond., F.I.P. Prof.
Grindley, E. N., M.Sc. Brist., Ph.D. Sr. Lectr.
Schaffer, W., M.Sc., Ph.D. S.A. Sr. Lectr.
Cormack, A. M. Lectr.
Juritz, J. W. F., M.Sc. Lectr.
van Schalkwyk, T. G. D., M.Sc. Lectr.
2 Jr. Lectrs.
4 Demrs., 4 Tech. Assts.

Physiology and Pharmacology

Irving, J. T., M.A., Ph.D., M.D. Camb. Prof.
Budtz-Olsen, O. E., M.B., Ch.B. Sr. Lectr.
Zwarenstein, H. J., D.Sc. Manc., M.A., M.Sc. Sr. Lectr.
Sapeika, N., M.B., Ch.B. Sr. Lectr.
Labuschange, C. J. J., M.Sc. Stell. Lectr.
Steytler, J. G., B.Sc. Jr. Lectr.
6 Pt.-time Lectrs., 3 Demrs., 5 Tech. Assts., 1 Cler. Asst.

Politics, v. Ethics

Social Science

Batson, E., B.Sc. (Econ.) Lond. Prof.
Helm, Mrs. Brunhilde, B.A.Soc.Sc. Lectr.
Law, Margaret, Supt. Field Work.
Batson, Mrs. Helen M., B.Sc. (Econ.) Lond. Research Asst.
1 Clerical Asst., 1 Asst.

Speech Training

van der Gucht, Rosalie E., Dip. Dramatic Art Lond. Lectr.
..... Asst.
..... Asst.
2 Pt.-time Assts., other staff, 3.

Zoology

Day, J. H. O., D.F.C., Ph.D. Lond., B.Sc. S.A. Prof.
Krigsman, B. J. Sr. Lectr.
..... Lectr.
Broekhuysen, G. J., Ph.D. Leiden Lectr.

Millard, Mrs. Naomi A. H., M.Sc. Lectr.
Scott, Kathleen M. F., M.Sc., Ph.D. Lectr.
Silberbauer, Barbara, B.Sc. Jr. Lectr.
..... Jr. Lectr.
1 Tech. Asst.

Engineering

v also Maths., *supra*

Civil Engineering

Robertson, R G, B.A. Oxon. Corporation Prof.-designate.
Stewart, G., F.R San I Sr. Lectr
Robins, B, B Sc. Lectr.
..... Lectr.
2 Jr Lectrs
1 Tech. Asst, 1 Clerical Asst. (also Elec. and Mech. Eng)

Electrical Engineering

Goodlet, B. L., O.B.E., M.A. Camb., F Inst P. Corporation Prof.
Guelke, R W., Ph D Gottingen, F I.P. Sr. Lectr
Webster, G. H., M.Eng Sheff. Sr. Lectr.
Einhorn, H, Dr.Ing Berlin Lectr.
Enslin, H. C. Lectr.
1 Jr. Lectr, 2 Tech. Assts.

Land Surveying

Menzies, G. H., B Sc. Prof.
West, I. D. (Th. of Land Survey.) Sr. Lectr.
1 Jr. Lectr., 3 Assts., 1 Tech. Asst.

Mechanical Engineering

McMillan, D, M.C. Prof.
Weaver, W. G. Sr. Lectr.
Elliott, G. G., B.Sc. Sr. Lectr.
Machin, K. E., B.Sc. (Eng.) Lond. Lectr.
Sacks, E., Dip.Ing. Darmstadt Lectr.
Stegen, R M., B.Sc Asst
..... Jr. Lectr.
2 Tech. Assts.

Medicine

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

Ryrie, B. J., M.B., Ch.B. Edin., F.R.S.S.Af. Prof. of Med. Educn.

Anæsthetics

Fuller, T. A., M B., Ch.B. Edin, D.P.H. Lond. Lectr.
Hacking, E. B., M A., M.B., Ch.B. Asst.
Berelowitz, H, M B., Ch.B. Edin Clin. Instr.
..... Asst

Dermatology

Lang, R., M.B., B.Ch Dub. Lectr

Asst. Clin. Lecturers

Jacobson, J. J., D P.M. Lond., D.M.R E. Camb.
Hersman, D., B A., M B, Ch.B.
1 Asst.

Diseases of Children

Rabkin, W., M B., Ch.B. Edin. Lectr.
Mirvish, I, M B, Ch B. Asst Clin. Lectr.
..... Asst. Clin. Lectr.
Emdin, W., M.D. Liv., D.P.H., Ph.D., B.A. Asst Clin. Lectr.
Shore, S C, B.A. Tutor.
Palley, A., M.B., Ch.B. Tutor.

Ear, Nose, and Throat

Lückhoff, J., M.D Edin. Lectr.

Asst. Clin. Lecturers

Smuts, Ph. A., B.A. Cape, F R.C.S. Ed.
Wykerd, H. C., M.D. Gron., F.R.C.S.Ed.

Forensic Medicine

Turner, R., M.B., Ch.B., D.P.H. Prof.
..... Pt.-time Sr. Lectr.
Kinnear, A. A. Pt.-time Lectr.
Helman, P. Pathologist.

Gynæcology, v. Obstetrics and Gyn.

Infectious Diseases

Wicht, J. F., M.D. Dub., D.P.H. Lectr.

Leprosy

Med. Supt. Lep. Inst. Pretoria Lectr.

Medical Ethics

de Beer, Z. J., M.B., Ch.B. Edin., B.A. Lectr.

Medicine

Brock, J. F., M.A., B.Ch., D.M. Oxon. Prof.
Eales, L., M.B., Ch.B. Lectr.
..... Jr. Asst.

Medicine, Clinical

Forman, F., B.A. Cape, M.B., Ch.B. Aberd. Prof.
Jackson, W. P. U., M.A., M.D., B.Chir. Camb., D.C.H. Sr. Asst.
Vogelpoel, L., M.B., Ch.B. Jr. Asst.
Woolf, C. R., B.Sc., M.B., Ch.B. Jr. Asst.
Ames, Frances R. Jr. Asst.
Myers, Horatio S., M.B., Ch.B. Jr. Asst.
..... Jr. Asst.
11 Pt.-time Tutors and Lectrs. and 1 Tech. Asst.

Medicine, Psychological

Key, G. J., M.B., Ch.B. Aberd. Lectr. and Hd. of Dept.
Kooy, F. H., M.D. Gron. Lectr.
..... Lectr.
6 Assts., 1 Demr.

Methods of General Medical Practice

Bremer, K., M.B., B.S. Lond. Lectr.

Obstetrics and Gynæcology

Crichton, E. C., B.A., M.D., B.A.O., B.Ch. Dub., F.R.C.O.G. Prof.
Cooper, S. B., M.B., Ch.B. Jr. Asst.
Abramowitz, L. J., M.B., Ch.B. Jr. Asst.
15 Pt.-time Assts. and Tutors.

Ophthalmology

Townsend, R. L. H., B.A., B.M., B.Ch. Oxon., D.O.M.S., B.A. Lectr.
4 Assts.

Orthopædics

Bell, H., M.B., B.Ch. Belfast, M.Ch.Orth. Liv., F.R.C.S. Ed. Lectr.
Keen, A D., M B., Ch.B. Asst. Lectr.
..... Asst. Lectr.
Helfet, A., M.D., M.Ch. Liv., B.Sc.
Commerel, J., M.B., M.Ch. Orth. Liv., F.R.C.S. Edin.
McMurray, T. B., M.Ch. Orth., F.R.C.S., M.B., Ch.B.

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. (Path.) Prof.
Linder, G. C., M.D. (Chem. Path.) Prof.
..... Sr. Lectr.
..... Sr. Lectr.
Selzer, Golda, M.B., Ch.B. Asst.
Parker, R. G. F., B.A., M.B., B.Chir. Camb., D.P.H. Asst.
Mitchell, Enid E., D.C.H. Lond., B.Sc., M.B., Ch.B. Asst.
McPherson, C. R., M.B., Ch.B. Asst.
Kaplan, C., M.Sc., M.B., Ch.B. Jr. Asst.
1 Pt.-time Lectr., 2 Lab. Assts., 11 Tech. Assts., 3 Clerical Assts.

Public Health

Fehrsen, F. O., D.P.H. Prof.
4 Assts.

Radiology

6 Assts.

Surgery
Erasmus, Major J. F. P., M.B., Ch.B., M.Ch., M.D. Rand Prof.
Goetz, R. H., M.D. Frank. and Berne, M.B., Ch.B. Research Assoc. Prof.
..... Lectr.
17 Assts., 2 Tech. Assts., 1 Cler. Asst.

Surgery, Dental
Wolff, H., L D.S. Lectr.
Rosenblatt, W., L.D.S. Lectr.

Vaccination [Lectr.
Louw, A , M.D , Ch.B. Edin.

Venereal Diseases
O'Malley, C. K., M.C., M.B., B.A.O., M.Sc. N.U.I., D.M.R.E. Camb. Lectr.

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 University was provided by Government at Groote Schuur, Rondebosch. An appeal for funds in commemoration of the centenary of the S.A. College in 1929 realized over £70,000.

LIBRARY. 225,000 vols., 25,000 pamphlets. Includes, *inter alia*, Medical Library—30,000 vols.; Music Library—books (2500), 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, Science, Engineering, Law, Medicine, Education, Music, Fine Art and Architecture, and Social Science.

DEGREE COURSES. 3 yrs.—B.A., B.Soc.Sci., B.Sc. (Pure Sc.), B.Com.; 4 yrs.—B.A. (Fine Arts), B.Mus., B.Sc. (Applied Sc., Engin. or Land Surveying); 5 yrs.—B.Arch., B.Sc. (Quantity Surveying), LL.B.; 6 yrs.—M.B., Ch.B. Higher degrees: M.A., M.Arch., M.A. (Fine Art), M.Soc.Sci., 1 yr.; M.Sc., 1 yr.; 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 engineering 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.

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 the Univs. of Stellenbosch, Witwatersrand, Pretoria and the constituent Colls. of the Univ. of 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 Faculty of Arts on the special 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 Faculty of Arts in these subjects are accepted by Aberd. The Dentistry course is recognized by the R.C.S. Eng., R.C.P.S.Ed. and Edin. Dental School; the Hygiene course by the Conjoint Boards of Eng., Eire, Edin. and Glas.

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' Societies and, in the case of medical students, hospital fees for clinical instruction. 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., £53; B.A. Fine Art, £56; B.Sc., £64; B.Arch., £73 for 4 yrs. and £33 for 1 yr.; B.Ed., £53; LL.B., £55; M.B., Ch.B., £80; B.Mus., £66-£80; Master's degree—Arts, £44; Science, £53; Education, £44; Fine Art and Architecture, £33; Engineering and Law, £22; Medicine, £28; Doctor's degree, £20.

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. V. 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, 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.

APPOINTMENTS COMMITTEE. Hon. Secretary, E. G. Pells.

RESIDENCE. Hostels for 300 men and 200 women. Board, laundry and residence, £120 p.a.

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 1949

BENEFACTIONS. Under the will of the late Dr. C. L. Herman the Univ. received £40,000 for the development of medical res. In terms of a trust created by M. Sonnenberg the Univ. will be able 5 yrs. hence to establish a number of "Field Marshal Smuts Scholarships" in Marine Engin. or Pol. Econ. or such other subjects as may be determined by the Univ.

NEW BUILDINGS. Plans are in preparation for a new bldg. for the medical library and for the extension of the pathological museum and suites for the clinical depts. of the Medical Sch. at an estimated cost of £120,000.

NEW POSTS. Chairs of Organic Chem. and Physical Chem.

OTHER DEVELOPMENTS. Arrangements have been made for the affiliation of the Fishing Industry Res. Inst. with the Univ. and for the appt. of the Dir. of the Inst. as a Res. Prof. in the Univ.

VISITORS. Distinguished visitors who gave addresses included Lord Eustace Percy, Sir Raymond Priestley, Prof. Dover Wilson, Prof. D. M. Watson, Sir John Cockcroft, Prof. G. Pickering, Lord Goddard and Prof. C. Best.

RETIREMENTS. Prof. R. Leslie (Econ.); Prof. E. Newbery (Phys. Chem.).

RESIGNATION. Prof. D. B. Bosman (Nederlands en Afrikaans), apptd. by the Govt. as Envoy Extraordinary and Minister Plenipotentiary to the Netherlands.

DEATH. R. S. Cheetham, one of the City Council representatives on the Univ. Council.

STUDENTS. Total: 4241; full-time: 3716; pt.-time: 525; the total includes 1163 women and 168 postgraduates.

DEGREES. B.A., 119; M.A., 16; LL.B., 14; B.Sc., 46; M.Sc., 11; M.B., Ch.B., 184; M.D., 1; Ch.M., 2; B.Sc. (Eng.), 90; M.Sc. (Eng.), 3; B.Sc. (Land Surveying), 26; B.Sc. (App. & Indust. Chem.), 13; B.Ed., 6; M.Ed., 1; B.Com., 36; B.Mus., 1; B.Arch., 22; B.A. Fine Art, 4; B.Sc. (Quantity Surveying), 1; B.Soc.Sci., 24; M.Soc.Sci., 2; Ph.D., 7.

UNIVERSITY OF NATAL

(*Formerly* NATAL UNIVERSITY COLLEGE: founded 1909)

Incorporated 1949

Address—P.O. Box 375, Pietermaritzburg. P.O. Box 1525, Durban.
Telegrams—University (Durban or Pietermaritzburg).

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—W. J. O'BRIEN, O.B.E., D.Phil.

PRESIDENT OF CONVOCATION—D. G. FANNIN, B.A., LL.B.

REGISTRAR—P. G. LEEB-DU-TOIT, B.Com. S.A.

ASSISTANT REGISTRAR—J. F. POLLOCK, B.A. Rand.

ACCOUNTANT—N. D. DOWNARD.

LIBRARIAN—H. COBLANS, M.Sc., Ph.D. S.A.

TEACHING STAFF

(Allocated between Durban = D. and Pietermaritzburg = P.

Accounting and Auditing (D.)

..... Prof.

Waldeck, T. J. H., M.Com. S.A. Sr. Lectr.

..... Lectr.

15 Pt.-time Lectrs. for Professional Accountancy classes.

Architecture and Quantity Surveying (D. and P.)

Connell, P. H., B.Arch. Rand Prof.

Croft, L. T., B.Arch. Liv., Cert. and Dipl. Town Pl. Rand Lectr.

13 Pt.-time Lectrs. for professional classes.

Botany (P.)

Bayer, A. W., D.Sc. S.A. Prof.

Fisher, Beryl S., M.Sc., Ph.D. S.A. Sr. Lectr.

Heard, C. R. C., M.Sc. S.A., D.Phil. Oxon. Lectr.

Gordon Gray, Kathleen, B.A., M.Sc. S.A. Lectr.

2 Demrs., 2 Lab. Assts.

Chemistry and Chemistry Technology (P. and D.)

Warren, F. L., D.I.C., Ph.D. Lond., F.R.I.C. Prof. (P.)

MacKenzie, H. A. E., M.Sc. S.A., D.I.C., Ph.D. Lond. Sr. Lectr. (P.)

Bok, L. D. C., M.Sc. Stell., Dr. rer. nat. Leipzig Sr. Lectr. (D.)

Candy, H. A., M.Sc. S.A. Lectr. (D.)

Krüsi, H. K., Dipl. Ing. Chem., Dr. sc. tech. E.T.H. Zürich Lectr. (P.)

Leisegang, E. C., B.Sc. S.A. Lectr. (P.)

Valentin, F. H. H., Ph.D., M.Sc. Rand Lectr. (D.)

1 Precision Engineer, 1 Tech. Asst., 4 Demrs., 2 Lab. Assts.

Classics (P.)

Davies, O., M.A. Oxon., D.Litt. Dub. Prof.

Farrer, B. H. P., M.A. Oxon. Lectr.

2 Pt.-time Lectrs.

Commerce and Administration (D.)

Kelly, T. H., M.Com., Ph.D. Birm. Prof.
Allan, I. K., B.Com. S.A. Lectr.
Gurzynski, Z. S., B.Com. Lond. Lectr.
Green, L. P., B.Sc. (Econ.), Dipl. Pub. Ad. Lond. Lectr.

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.)
..... Lectr. (P.)
Grobler, P. du P., M.A. S.A. Lectr. (D.)
Grové, A. P., M.A. S.A. Lectr. (P.)

Economics (P. and D.)

Burrows, H. R., 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. Lectr.
Smith, H. H., B.Com. S.A. Lectr.
Alsop, Marjorie H., M.Sc. (Econ.) Lond. Res. Fellow.
Ngcobo, S. G., M.A. Yale, B.A., B.Econ. S.A. African Res. Fellow.
4 Research Assts., 1 Fellow.

Education (P.)

Ferguson, J. G. W., M.A. St. And. and Oxon. Prof.
Allsopp, A. H., B.A., M.Ed. S.A. Assoc. Prof.
Schmidt, W. H. O., B.A. S.A., Ph.D. Leipzig Sr. Lectr.
1 Pt.-time Lectr.
1 Fellow.

English (P. and D.)

Durrant, G. H., M.A. Camb. Prof. (P.)
Sneddon, Elizabeth, M.A. Glas. Sr. Lectr. (D.)
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. Lectr. (D.)
McDonald, Florence M., M.A. Glas. Lectr. (D.)

Experimental Physics (D.)

Hodges, D. B., B.A., M.Sc., Ph.D. Cape T. Prof.
Scott, H. W, M.Sc. S.A. Lectr.
Clarence, N. D., M.Sc. S.A., B.A. Camb. Lectr.
7 Demrs.

Fine Arts (P.)

Oxley, O. J. P. Prof.
Hope, Rosa S. Sr. Lectr.
Long, G. Lectr.
Rose, Hilda L., B.A. S.A. Lectr.

French (P. and D.)

Niddrie, Mary K., M.A. S.A., Ph.D. Lond. Sr. Lectr. (P.)
1 Temp. Lectr. (P.), 1 Pt.-time Lectr. (D.), 1 Fellow.

Geography (P. and D.)

Jehu, R. M., M.Sc. Wales, F.G.S. Prof. (P.)
Niddrie, D. L., B.Sc. S.A. Lectr. (P.)
Fair, T. G. D., M.A. S.A. Lectr. (D.)
2 Pt.-time Lectrs.

Geology (P. and D.)

King, L. C., D.Sc. N.Z., Ph.D. S.A., F.G.S. Prof. (D.)
Frankel, J. J., M.Sc. S.A., D.Sc. Cape T. Sr. Lectr. (D.)
1 Pt.-time Lectr. (P. and D.).

German (P. and D.)

Schmidt-Ihms, Maria, Ph.D. Leipzig Sr. Lectr. (P.)
1 Pt.-time Lectr.

History and Political Science (P. and D.)

Hattersley, A. F., M.A. Camb., F.R.Hist.S. Prof. (P.)
Prestwich, M. F., B.A. Camb. Sr. Lectr. (P.)
Rees, A. W., M.A. Wales Sr. Lectr. (D.)
Young, L. M., M.A. S.A., Ph.D. Camb. Lectr. (P.)
Newman, K , D.Phil. Oxon., LL.D. Lectr. (D.)
McIntyre, K. H. C., B.A. Camb. and S.A. Lectr.
..... Lectr.
1 Temp. Lectr.

Law (P. and D.)

Burchell, F. P., M.A., LL.B. Camb. Actg. Prof. (P.)
Sweeney, G. M. J., B.A., LL.B. S.A. Assoc. 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.)
5 Pt.-time Lectrs.

Mathematics, Applied (P. and D.)

Stein, P., B.A. Cape T., M.A., Ph.D. Camb. Prof. (D.)
van Wyk, C. B., M.Sc. Stell. Sr. Lectr. (P.)
Bateman, G. I., Ph.D. Sr. Lectr. (D.)
Schuddeboom, F. J., Phil. Cand. Leiden, M.Sc. Stell. Sr. Lectr. (D.)
1 Pt.-time Lectr.

Mathematics, Pure (P. and D.)

McKinnell, J., B.Sc., M.A. Glas. Prof. (P.)
Cruise, S. E. Lectr. (D.)
du Plessis, N., B.Sc. Rand Lectr. (D.)
Hill, C. K., M.Sc. S.A., B.A. Camb. Lectr. (D.)
van der Borght, R., M.Sc. S.A. Lectr. (D.)
Livingstone, D., M.Sc. S.A., Ph.D. Edin. Lectr. (P.)

Philosophy (D. and P.)

O'Connor, D. J., M.A. Chicago, B.A., Ph.D. Lond. Prof. (P.)
Jensen, O., M.A. Edin., D.Phil. Rand Sr. Lectr. (D.)

Physics (P.)

Coutts, J. R. H., M.Sc. Lond., D.Sc. S.A., F.I.P. Prof.
Fairbrother, J. A. V., B.Sc. Lond., Ph.D. Reading, F.I.P. Sr. Lectr.
Cato, G. C., M.A., B.D. Aberd. Lectr. (P.)
1 Demr.

Psychology (P. and D.)

Notcutt, B., B.A. Oxon., D.Ph. Stell. Prof. (D.)
Pratt-Yule, Ella T., M.A., Ph.D. St. And. Hd. of Dept. (P.)
Albino, R. C., B.A. S.A. Lectr. (P.)
Hunkin, Verona, B.A. S.A. Lectr. (D.)
1 Demr.

Child Guidance Clinic (D.)

Pechey, B. M., M.A. S.A. Director.
Theunissen, K. B., M.A. S.A. Asst. Director.
1 Secretary and 2 Research Assts.

Social Anthropology, Native Administration and Bantu Languages (D.)

Krige, J. D., B.A. Oxon. and Cape, LL.B. S.A. Prof.
Krige, C. B. J., M.A., D.Litt. Rand Lectr.
Kirkwood, K. B.A., B.Sc. Rand Lectr.
Malcolm, D. Temp. Lectr.

Sociology and Social Work (D.)

Pollak, Hansi, M.A. Rand Prof.

Havemann, Mrs. I., M.A. Cape Lectr.
Jooste, C. J., M.A., D.Phil Stell. Lectr.
Marwick, M. G , M.A. S.A. Lectr.
Pretorius, Martha H., B.A. (S.S.) S.A. Social Worker.
2 Temp. Lectrs.

Speech and Drama

..... Sr Lectr.
Osborn, Shielagh F., B A. Rand, Dipl.Dram.Art. Lond.
2 Temp. Lectrs.

Surveying (D)

Biesheuvel, H., B.Sc. (Survey.) Cape T. Sr. Lectr.
Chiat, B., B.Sc. (Survey.) Lectr.
1 Temp. Lectr.

Zoology (P.)

Bush, S. F., M.Sc. S.A., D.Phil. Oxon. Prof.
Ewer, D. W., M.A. Camb., Ph.D. Birm. Sr. Lectr.
1 Temp. Lectr., 5 Demrs., 2 Lab. Assts.

Agriculture (P.)—

Agricultural Chemistry

Orchard, E. R., B.Sc.Agric. Stell., Ph.D. Lond. Prof.
Folscher, W. J., M.Sc.(Agric.) Pret. Lectr.

Agricultural Economics

de Waal, P E., M.Sc.Agric. Stell., M.S. Cornell Sr. Lectr.
Behrmann, H. I., M.Sc.Agric. Pret. Lectr.

Agricultural Engineering

Gaigher, R., B.Sc. Agric. Eng. Pret., M.Sc. Agric. Eng., B.Sc. Civ. Eng. Iowa State Lectr.

Agronomy

Saunders, A. R., D.Sc.Agric. Pret. Prof.
Smuts, I. J. B.Sc.Agric. S.A. Sr. Lectr.
Nathanson, K., B.Sc.Agric. Pret. Lectr.

Animal Husbandry

Laurence, G. B., B.Sc.(Agric.) Pret., Ph.D. Camb. Prof.
Kotze, P. L., M.Sc (Agric.) Pret. Sr. Lectr.
Bishop, G. P., B.V.Sc. Pret. Sr. Lectr.
du Plessis, P. H. C., B Sc.(Agric.) Pret. Lectr.

Biometry

Rayner, A. A., Ph.D. Edin. Prof.

Dairying

Abbott, C. W., B.Sc (Agric.) Pret., M.Sc. and Ph.D. Iowa Sr. Lectr.
Claassens, J. W., B.Sc.(Agric.) Pret. Lectr.

Entomology

Oosthuizen, M. J., B Sc.(Agric) Pret., Ph.D. Minn. Sr. Lectr.

Genetics

Saunders, A. R., B Sc.Agric. Kansas, M.Sc. Wisc., D.Sc. (Agric.) Pret. Prof. (Actg.)
Weyers, W. H., M.Sc.Agric. Stell. Lectr.

Horticulture

le Roux, J. C., B.Sc.Agric. Stell., M.Sc. Calif., M.Sc. Hawaii Prof.
Olivier, O. J., B.Sc.Agric. Stell. Lectr.

Plant Pathology and Microbiology

Truter, Susarah, J., B.Sc. S.A., M.Sc. Stell., D.Sc. Utrecht Lectr.

Soil Conservation and Pasture Management

Scott, J. D., M.Sc. S.A., D.Sc. Rand Prof.

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.
..... Lectr.
..... (Instrument Making) Lectr.
1 Temp. Lectr., 1 Workshop Asst.

Electrical Engineering

Clark, H., B.Sc.Eng., D.I.C. Lond. Prof.
Phillips, W. E., D.Sc.Eng. S.A. Sr. Lectr.
Buckley, R. Lectr.
Grimmond, R., B.Sc. Cape T. Lectr.
..... Lectr.
..... Lectr.
1 Temp. Lectr., 1 Workshop Asst.

Mechanical Engineering

Neal, J. H. Prof.
Reim, E. P., B.Sc.Eng. S.A. Sr. Lectr.
Kramer, P. J., Dip.Ing. Delft Lectr.
Langer, G., M.Sc.Eng. Rand Lectr.
Leeman, E. R., B.Sc.Eng. S.A. Lectr.
2 Workshop Assts., 1 Demr.

Paint Research Institute (D.)

Whitby, L., M.Sc., Ph.D. Lond., F.R.I.C. Director.
Hart, K. R., M.A. Oxon. Res. Officer.
Fairburn, Florence K. Secretary.

Sugar Miller's Research Institute (D.)

Douwes Dekker, K., D.Sc. Utrecht Director.
McCulloch, A. F., B.Sc.Tech. Manc. Mech. Engr.
Laubscher, P. J., B.Sc. S.A., M.Sc. Stell. Chemist.
..... Chemist.
Bird, Margaret H. Secretary.

Wattle Research Institute (P.)

Shaw, H., M.Sc. Tech., Ph.D. Director.
Martin, W. S., D.Sc., Ph.D. Lond., D.I.C. Chemist.
Moffett, A. A., B.Sc. Birm., Ph.D. Lond. Geneticist.
Sherry, S. P., B.Sc. S.A., M.A. Oxon. Silviculturist.
Ossowski, L. L. J. Entomologist.
..... Plant Physiologist.
Gordon-Gray, C. G., B.Sc. Asst. Res. Officer.
Van Soden, Nellie Secretary.
5 Jr. Tech. Assts.

Student Adviser and Director of University Employment Board (P. and D.)

Black, O. F., B.Sc. Stell., M.A., Ph.D. Col. Director.
Van der Horst, Jeanne Secretary.

GENERAL INFORMATION

The Natal University College (founded 1909) was incorporated as the University of Natal by Act No. 4 of 1948. It came into legal existence as an independent Univ. on March 15, 1949, and in addition to fulfilling its previous functions, it is now entitled to examine its own students and grant degrees and diplomas. For previous history of the Natal Univ. Coll., *see* 1948 *Yearbook*.

The Univ. of Natal consists of a Chancellor, a Vice-Chancellor, the Principal, the Council, the Senate and Convocation, together with the Professors, Lecturers, Directors and staff of Research Institutes and students of the Univ. The Principal is also *ex officio* Chairman of the Senate. The Act provides for the Faculties and Depts. of Arts, Fine Arts, Science, Law, Education,

Commerce and Administration, Engineering, Social Science, Architecture and Agriculture and such other Faculties or Depts. as may from time to time be approved in accordance with the statutes. The Univ. of Natal is the only Univ. institution in South Africa which operates in two large cities, viz. Pietermaritzburg and Durban, which are 56 miles apart. One Council and one Senate control the Univ. as a whole and meetings are held in alternate centres. The Faculties of Arts (and Dept. of Fine Arts), Science, Law, Educn. and Agric. operate in Pietermaritzburg. In Durban the Faculties of Arts and Science (with limited choice of subjects), Law, Engin., Commerce and Admin. and Soc. Science, and Archit. operate. A certain amount of duplication of work in both centres is inevitable.

A separate non-European section of the Univ. (temporarily housed in Sastri College belonging to the Natal Provincial Administration) operates in Durban, and the students, who are drawn mostly from the teaching profession, are part-time and take degrees in Arts, Commerce and Admin. and Soc. Science. Most of the classes are held on Friday evenings, Saturdays and Sundays. The full-time staff of the Univ. give the lectures to these students. For some subjects part-time staff are engaged annually. Permanent accomm. has been provided during 1950 at the Wentworth ex-military camp.

The newly established Faculty of Agriculture forms part of the Natal Agricultural Research Institute, a Division of the Union Department of Agriculture, but its academic activities fall under the control of the Univ. Operations were commenced in March 1948, and the Faculty was formally established when the Natal Univ. Coll. achieved independent Univ. status on March 15, 1949. At present the B.Sc.Agric. degree only is offered, but after 1950 candidates will also be accepted for the M.Sc.Agric., D.Sc.Agric., and Ph.D. degrees. The course for the B.Sc.Agric. is of 4 yrs.' duration. The Faculty comprises 13 departments: Agric. Chem. and Biochem., Agric. Econ., Agric. Engin., Agronomy, Animal Husbandry, Poultry Husbandry and Animal Diseases, Biometry, Dairying, Entomol., Genetics, Hortic. and Forestry, Pasture Management and Soil Conservation, Plant Pathology. Nearly one-third of the present student enrolment is from British and other territories in Africa outside the Union. The Institute will be the main centre and guiding body for agric. research in the eastern section of the Union and considerable attention will be devoted to problems of sub-tropical agric.

LIBRARIES. Four libraries operate in the two centres and contain approx. 50,000 volumes.

RESIDENCE. Accomm. for men and women students exists in Pietermaritzburg and in Durban. In Durban there are 141 men and 26 women in residence and in Pietermaritzburg 232 men and 120 women.

FEES (inclusive). Arts, Fine Arts, Commerce, Social Science, £55 per annum; Agriculture, £65 per annum; Science, £65; Law, Engineering, Architecture, £75. The fees are for first-yr. courses. For subsequent yrs. a reduction of from £2 : 10s. to £10 per annum is granted. Residence fees are £85 per annum.

PUBLICATIONS. University *Calendar* (Dec.), Students' newspaper, *NUX*. Staff publication, *Theoria*.

THE YEAR 1949

BENEFACTIONS. The Univ. of Natal Devel. Fund raised £415,000 from a large number of private donors in 1946–50; the Pietermaritzburg Municipality grants £1250, and the Durban Municipality £4000, annually.

NEW BUILDINGS. Science and Technol. Bldg., Durban, £70,000, completed, and further extensions at £105,000 proceeding. Further extensions at £94,250 proceeding (Admin. Bldg. and Council Chamber included). Plans have been drawn up for a Fine Arts Block, Pietermaritzburg, £30,000, and for memorial Reading Rooms in Pietermaritzburg (nearing completion) and Durban at a cost of £12,000. Extns. to Durban residence procdg. at cost of £97,000.

OTHER DEVELOPMENTS. A medical school for non-European students in Durban has been authorized by the Minister and accomm. at an ex-military camp at Wentworth has been adapted at a cost of £14,500 for medical students. Classes will commence in March 1951. Permanent accomm. has been provided for non-European students at Wentworth.

EXTRA-MURAL WORK. In Pietermaritzburg about 56 students attend pt.-time classes in Law, Arts, Professional Accountancy, Archit. and Civil Service Law courses.

In Durban pt.-time classes are given in the Facs. of Science, Archit., Law, Soc. Science, Commerce and Admin. and in Arts. Professional courses in Archit. and Quantity Surveying, Accountancy and Civil Service Law are given.

VISITING TEACHERS FROM OTHER UNIVERSITIES. F. Steytler, Univ. Coll. of the Orange Free State, " The Route of the Great Trek." Prof. J. Waterink, Amsterdam, " Probleme van die Puberteit." Dr. N. P. van Wyk Louw, Cape Town, " Die werk van die digter in hierdie ontwrighte tye." Mrs. P. Warner, Witwatersrand, " Drama in the University."

RESIGNATIONS. Prof. J. A. Hawkes; Dr. R. L. Rosenberg, on appt. to London Polytechnic; L. T. Badenhorst; P. J. de Vos; Dr. N. Paterson; V. M. Wadsworth; T. C. Bothma.

HONORARY DEGREES. *Conferred at the Congregation of the Univ. of Natal* (March 1950): *D.Litt.*—A. Petrie; *Ph.D.*—B. M. Narbeth; *M.Sc.Agric.*—J. H. Holley; *M.A.*—K. Margaret R. Campbell; Eleanor E. M. Russell.

STUDENTS (1949). Total: 1840; full-time: 1008; pt.-time: 832; the total includes 342 women, 156 graduates and 223 non-Europeans.

DEGREES OBTAINED (1949). M.Sc.Eng., 3; M.Ed., 3; M.Sc., 3; M.A., 5; M.Com., 2; B.Ed., 1; B.A. Hons., 16; B.Sc. Hons., 15; LL.B., 5; B.Sc. Eng., 46; B.Sc.Surv., 2; B.A., 6; B.A. (Fine Arts), 57; B.Sc., 39; B.Soc.Sc., 16; B.Com., 17; B.Econ., 1.

DIPLOMAS. *Graduate*: Special (Union Educn. Dept.), 1; General (Union Educn. Dept.), 20; Technical (Union Educn. Dept.), 1. *Non-Graduate*: Union Educn. Dept., 3.

THE UNIVERSITY OF THE ORANGE FREE STATE

(*Formerly* UNIVERSITY COLLEGE of the O.F.S.)

Founded 1855

Address—Bloemfontein, O.F.S.

CHAIRMAN OF COUNCIL—S. H. PELLISSIER, B.A., D.Ed.
VICE-CHAIRMAN—Senator J. H. B. REITZ.
RECTOR—Prof. H. v. d. MERWE SCHOLTZ, M.A., D.Litt.
REGISTRAR—GEO P. J. DU TOIT, B.Econ., LL.B.
ASSISTANT REGISTRAR—A. S. THERON, B.Com. S.A.
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

Kok, B, Litt.Docts. Utrecht, M.A., D.Litt. Prof.
Badenhorst, W. J., D.Litt. Pret., M.A. Prof.
Lategan, F. V., M.A. Sr. Lectr.
Beukes, G. J., D.Litt. Pret., M.A. Sr. Lectr.

Astronomy

Paraskevopoulos, J. S., D.Sc. Athens, A.M. Harv. Dir., Boyden Stn. of Harv. Univ., Bloemfontein, and Hon. Prof.

Botany

Lutjeharms, W. J., Phil.Nat.D. Leiden Prof.
Bakker, E. M. v. Z., Ph.D. Lectr.
Gemmell, Miss D. M., M.Sc. Lectr.
Coetzee, Miss J. A., M.Sc. Rand Asst.
Sleed, Mrs. J. S., B.Sc. (Soil Res.) Res. Asst.

Chemistry, Organic and General

Groenewoud, P. W. G., D.Phil. Oxon., M.Sc. Prof.

Chemistry, Physical and Applied

Zweerts, F, Chem.Ing. Delft Prof.
Coetzee, J F., 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. Lectr.

Commerce

Fourie, F. C. v. N., B.A , B.Com. Cape T. Prof.

Domestic Science

Members of the staff of the Dom. Sci. Dept. of the Meisieskool, Oranje.

Economic Geography

Schmidt, A. A., M.A. Stell. Sr. 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.

Education

de Wet, C. F., B.A., M.Ed. Dean of Fac , Prof.
Blignault, H., B.A., D Ed. Stell. (Educ. Psychol.) Prof.
Loubser, J. W., M.A. Oxon. (English) Prof.
du Toit, J. J., B.A. Pret., Phil.D. Amsterdam (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.
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.).
Cochrane, Miss D. G. (Kindergarten).
Nienaber, Miss H. Instr.
de Beer, Miss J. H. Instr.
van den Heever, Miss C. M. Instr.
Karstel, O. A. (Singing) Instr.
Welman, H. G., B.Com. (Shorthand and Typewriting) Asst.
Domestic Science—Members of the staff of the Dom. Sci. Dept. of the Meisieskool, Oranje.

English

Hopwood, D. P., M.A. Oxon., D.Litt. Stell. Prof.
Mackenzie, Miss B. A., M.A., D.Litt. Cape T., B.Litt. Oxon. Prof.
Loubser, J. W., M.A. Oxon. Prof.
Mostert, C. W., B.A. Sr. Lectr.

Geology and Geography

von Bonde, W., M.A., D.Sc. Cape T., F.G.S. Prof.
Schmidt, A. A., M.A. Stell. Sr. Lectr.
Louw, J., B.Sc. Asst.

German and French

Dekker, J. J., Dr.phil. Vienna, M.A. Prof.
Weidemann, Miss U. R. D., B.A. Lectr.
Block, Mrs. R. Lectr.

Hebrew

Block, M., Dr.phil. Zürich Lectr.

History

Uys, C. J., D.Litt. Pret., M.A. Prof.
Oberholster, J. J., M.A., D.Phil. Sr. Lectr.

Hygiene

van der Merwe, I. R., B.A., M.Ed. Lectr.
le Grange, Miss S. Lectr.

Law

van Themaat, Verloren, J.P. Dean, Fac. Law, Lectr.
van Rhyn, G. Lectr.
Gray, F. W. Lectr.
Potgieter, H. Lectr.
de Wet, H. F. Lectr.
Smuts, F. S. Lectr.

Mathematics (Pure and Applied)

Arndt, W. F. C., B.A. Cape, Dr.phil. Gött. Prof.
Malan, A. P., M.Sc. (Applied M.) Prof.
Reitsma, A., B.Sc. Lectr.

Music

Roode, D. J. Prof.
van der Merwe, F., B.Mus. Rand Lectr.
Koole, A., D.Litt. et Phil. Utrecht Lectr.

Philosophy

Malan, G. H. T., M.A. Cape, D.Phil. Glas. Prof.

Physical Education, v. Education

Physics

Immelman, M. N. S., M.Sc. Cape T. Prof.

van der Byl, J., M.Sc. Stell., A.M. Harv. Sr. Lectr.

Alberts, L., M.Sc. Lectr.

Political Science

Strauss, H. J., Docts. Jur. Amsterdam, B.A. Sr. Lectr.

Psychology

Schmidt, C. 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. Mun. Prof.

Malan, G. H. T., M.A. Cape, D.Phil. Glas. Prof.

Vorster, H. R., M.A., D.Phil. Sr. Lectr.

Prinsloo, Miss M. J. M., M.Comm. Sr. Lectr.

Mahne, Miss L. J., B.A. Sr. Lectr.

Retief, F. P. le R., M.A. (S.S.) S.A. Lectr.

Statistics and Finance

Arndt, W. F. C, B A. Cape, Dr.phil. Gött. Prof.

Malan, A. P., M.Sc. Prof.

Zoology

Dreyer, T. F., M A. Cape, Dr.phil. Halle Prof.

van Pletzen, R., M.Sc. Stell. Lectr.

Dreyer, Miss M. V., B.Sc. Asst.

GENERAL INFORMATION

Founded in 1855 by Sir George Grey, and 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 is 2 miles from Bloemfontein town. It provides courses for degrees in Arts, Science, Law, Education, Commerce, Music, Phys. Educn., and professional qualification as social workers, also prelim. training for Med. and Chem., Engin., Agric. 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, Archives, War Museum, National Museum, Lamont Observatory and Boyden Observatory.

HOSTELS for men and women within the Coll. grounds. Board and residence, £78 per session. TUITION FEES: £15 per semester.

EXTRA-MURAL WORK in the Faculties of Law, Arts and Commerce.

PUBLICATION: *Calendar. Shimla and Irawa.*

THE YEAR 1949

STUDENTS. Total: 1082; full-time: 1065; pt.-time: 17; the total includes 491 women and 137 postgraduates.

DEGREES. B.A., 48; B.A. (S.S.), 20; B.Sc., 18; B.Comm., 15; LL.B., 4; B.Ed., 9; Hons. B.A., 16; Hons. B.A. (S.S.), 2; Hons. B.Com., 5; Hons. B.Sc., 1; M.A., 6; M.Ed., 3; D.Phil., 2.

UNIVERSITY OF PRETORIA

Founded 1930

Address—Brooklyn, Pretoria. *Telegrams*—Puniv, Pretoria.

CHAIRMAN OF COUNCIL—H. O. MÖNNIG, B.A. Cape, Dr.Phil. Zürich, 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.

REGISTRAR—J. C. V. BREYTENBACH, B.A., LL.B.

LIBRARIAN—P. C. COETZEE, B.A. S.A., M.A.

TEACHING STAFF

Accountancy, v. Commerce

Agriculture, v. *infra*

Architecture and Quantity Surveying

Meiring, A. L., B A. Cape, B.Arch. Liv. (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.

South, B. H. Lectr.

14 Pt.-time Lectrs. and 6 from other Univ. Depts.

Bantu Studies

Engelbrecht, J. A., M.A. Stell., Ph.D. Berlin (Bantu Langs.) Prof.

Ziervogel, D., M.A., D.Litt. Sr. Lectr.

Beukes, W. T. H., B.A. S.A., Ph.D. Hamburg (Native Admin.) Sr. Lectr.

van Wyk, E. B., B.A. Lectr.

2 Demrs.

Biochemistry, v. also Vet. Science and Agric., *infra*

..... Sr. Lectr.

Botany and Biology, v. also Vet. Science

..... Louis Botha Prof.

Mes, M. G , B.Sc., Ph.D. Utrecht Prof.

Schweickerdt, H. G. W. J , B.Sc. S.A., Ph.D Bonn Sr. Lectr.

Gouws, J. B., D Sc. Lectr.

Theron, J. J., M.Sc. S.A., D.Ph. Berlin Lectr.

2 Tech. Assts , approx. 10 Demrs.

Chemistry

3 Tech. Assts. and 1 Pt.-time Lab. Asst.

Chemistry, Inorganic and Analytical

Schilz, W. E., M.Sc., LL.B. S.A., D.I.C. Lond., Ph.D. Munich Dean, Fac. of Science, Prof.

Vogel, J. C., D.Sc. S.A., Dipl.Ing. Karlsruhe Sr. Lectr.

du Plessis, D. J., M.Sc. Lectr.

Chemistry, Organic

de Waal, H. L., M.Sc. Stell., Dr.phil. Bonn, D.Sc. Prof.

Brink, C. v. d. M., M.Sc. Stell. Lectr.

1 Lab. Asst.

Chemistry, Physical

Malherbe, F. E., M.Sc., Ph.D. Camb. Sr. Lectr.

le Roux, L. J., M.Sc., B.Com. S.A. Temp. Lectr.
1 Demr.

Classics, v. also History

Viljoen, H. G, Litt.Class.Dr. Gron. (Greek) Prof.
Gonin, H. L., B.A. Stell., M.A. Oxon., Litt.D. Leiden (Latin) Prof.
Pistorius, P. V., M.A., B.D. Stell., Litt.D. Leiden, D.Litt. (Hellenic and Patristic Greek) Prof.
de Kock, E. L., M.A., Litt.D. Leiden (Greek) Lectr.
Lubbe, W. J. G., M.A. (Latin) Lectr.
la Grange, L. J. D., B.A. (Latin) Lectr.
Muller, H., B.Litt. Oxon., M.A., D.Litt. (Latin) Pt-time Lectr.

Commerce and Public Administration, v. also Geog, Law, Maths.

Wynholds, H. W. J., Dr Econ. Utrecht (Banking) Prof.
Hoek, P. W., B.Com. (Accountancy) Prof.
Gey van Pittius, E. F. W., M.A. S.A., Ph.D. Lond. (Public Admin. and Polit. Sc.) Dean of Fac., Prof.
Goudriaan, J., Dr.Ir. Tegnische Hogeschool, Delft (C. and Indust. Econ.) Prof.
Franzsen, D. G., M.A., D.Phil. Stell. Prof.
Louw, M. H. H., M.A. (Pol. Science and Public Admin.) Lectr.
Nieuwoudt, C. F., B.A. (Pol. Sci. and Pub. Admin.) Lectr.
14 Pt.-time Lectrs.

Domestic Science [Prof.
Davidtsz, M. Jess, B.Sc. Columbia
Ackerman, Miss E. M., M.Sc. Cornell, B.Sc.Dom.Sc. Sr. Lectr.
Louw, Miss G., B.Sc.Dom.Sc. Lectr.
Posemann, Mrs. V., B.Sc.Dom.Sc. Lectr.
Cilliers, Anna M. A., B.Sc. (Dom. Sc.) Lectr.
Botha, Miss F. W, B.Sc.Dom.Sc. Lectr.
de Loor, Mrs. H. Lectr.

Dutch, Afrikaans and Germanic Philol.

Bokhorst, M., Ph.D, Litt.D. Leid. (Hist. of Netherlands Culture) Prof.
van der Westhuysen, H. M., M.A., D.Litt. Prof.
Louw, S. A., Litt.Docts. Utrecht, M.A., D Litt. (Afr. and Dutch Lang.) Prof.
Kritzinger, M. S. B., M.A, D Litt S.A (Afrikaans Lit.) Prof.
Buning, T., B.A, B Sc. S.A., M.A., D.Litt., M.Ed. (Afrikaans Lit.) Sr. Lectr.
Bingle, J. P. (Afrikaans Lang.) Sr. Lectr.
Scholtz, H. v. d. M, M.A., S A. (Afrikaans Lang.) Sr. Lectr.
3 Temp. Lectrs.

Economics, v. Commerce

Education, v. *infra*

English

Titlestad, R. M., M.A, LL B. S.A., M.A. Oxon. Prof.
Partridge, A. C., Ph.D. Cape, M.A. Sr. Lectr.
Sabbagha, N. G., M.A. S.A., M.A. Oxon. Sr. Lectr.
Knowles-Williams, Miss G., M.A. Lectr.
1 Pt.-time Asst.

Entomology, v. Agriculture, *infra*

French

Strelen, Mrs. B. Sr. Lectr.
Viljoen, Helena S., B.A. 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., 2 Demrs.

Geology

Lombaard, B.V , M.Sc. S.A., Ph.D. Zurich, D.Sc. Prof.
Nel, H J., D.Sc. Sr. Lectr.
Zagt, S., M.Sc. Lectr.
Strauss, C. A., D.Sc. Stell. Lectr.
1 Tech. Asst.

German

Mostert, L C., B.A. Stell , Ph.D. Hamburg (German Lang.) Prof.
Trümpelmann, J., B.A. S.A., Dr.Phil. Leipz., D.Phil. Sr. Lectr.

Hebrew

van Selms, A., Th.D. Utr. Prof.
van Zyl, A. H., B.D., M.A. Lectr.
2 Pt.-time Lectrs.

History

Pelzer, A. N., M.A., D.Phil. Prof.
Bokhurst, M., Ph.D., Litt.D. Leiden (Hist. of Netherlands Culture) Prof.
van der Westhuysen, H. M., M.A., D Litt. (Hist. of Afrikaans Culture) Prof.
Spies, F. J. du T., M.A. S.A., Litt.D. Leiden Sr. Lectr.
de Kock, W. J., M.A., B.Ed. Cape, D.Phil. Stell. Lectr.
2 Pt.-time Lectrs.

Law, v. *infra*

Library Science

Coetzee, P. C., B.A. S.A., M.A. Sr. Lectr.
van den Bergh, A. J., B.A. Lectr.
Louw, J. P., B.Admin. Lectr.
..... Lectr.
..... Lectr.

Mathematics

Jacobsz, C., B.Sc.Eng. Rand, M.Sc. S.A. Prof.
de Loor, B., M.Sc. S.A., Ph.D. Amst. (also Statistics and Theory of Finance in Fac. of Com.) Prof.
van Warmelo, N. J., M.Sc. Sr. Lectr.
Steyn, H. S., M.Sc. S.A., Ph.D. Edin. (Statistics) Lectr.
Zietsman, P. J., M.Sc. Lectr.
3 Pt.-time Lectrs.

Mathematics, Applied

Beezhold, W. F., D.Sc. Utr., M.Sc. Prof.
Geldenhuys, J. J., M.Sc. Lectr.
Kruger, C. J. v. Z., M.Sc. Lectr.
Wud, D. H., M.Sc. Lectr.
2 Temp. Lectrs., 4 Demrs.

Medicine, v. *infra*

Music

(in abeyance).

Philosophy

Hugo, T. J., B.A. Cape, Ph.D. Gron. Prof.
Oberholzer, C. K., B.A. S.A., M.A., D.Phil., D.Ed. Prof.

Physics

van der Lingen, J. S., B.A. Cape, Ph.D. J. Hop., F.I.P., F.R.S.S.Af. Prof.
Voss, V., B.A. Cape, M.A., Ph.D. J. Hop. Sr. Lectr.
Fourie, D. J., M.Sc. Lectr.
Prinsloo, L. A., M.Sc. Lectr.
2 Pt.-time Lectrs., 19 Demrs., 1 Tech. Asst.

Physiology, v. Medicine and Vet. Science

Political Science and Public Admin., v. Comm.

Psychology [Prof.

la Grange, A. J., M.A., Ph.D. Stell.
Schlebusch, B. J., M.A., D.Phil. Stell. Sr. Lectr.
Swiegers, D. J., M.A. Stell. Lectr.

Semitic Languages, v. Hebrew, *supra*

Social Anthropology

Coertze, P. J., M.A., D.Phil. Stell. Prof.
Eloff, J. F. Sr. Lectr.

Sociology and Social Work

Cronje, G., M.A. Stell., Drs.Ed., Litt. et Phil.D. Amst. Prof.
van Zyl, G. J., B.A.(S.W.) Lectr.
Venter, H. J., M.A. Lectr.
van der Walt, P. J., B.A.(S.W.) Lectr.
Strating, Mrs. H. H., M.A.(S.W.) Lectr.
Uys, Dorothea H. G. F., M.A. (S.W.) Lectr.

Theology, v. *infra*

Veterinary Science, v. *infra*

Zoology

Malan, D. E., M.A. Cape, Ph.D. Zür. Prof.
Malan, D. J., M.Sc. S.A. Sr. Lectr.
Eloff, F. C., M.Sc Lectr.
Lombard, G. L., M.Sc. Lectr.
1 Tech. Asst., 21 Demrs.

Zootechnics, v. Vet. Science, *infra*

Theology

(a) *Dutch Reformed Church*

Geyser, A. S., M.A., D.D. (Christian Ethics and New Test. Exegesis and Theol.) Prof.
Gemser, B., D.Litt., D.Drs. Gron. (Old Test. Exegesis and Theol.) Prof.
Engelbrecht, S. P., D.D. Utr. (Church Hist.) Dean of Fac. (a), Prof.
Wolmarans, H. P., M.A., B.D. S.A., D.D. Gron. (Philos. of Religion) Prof.

(b) *United Dutch Reformed Church of S.A.*

Groenewald, E. P., M.A. Stell., Th.Dr. Amst. (Christian Ethics and 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.
Keet, D. J., B.A. Oxon., Th.D. Amst. (Church History, History of Dogma and Canon Law) Prof.
du Precz, A. B., M.A., Th.D. Amst. Prof.

Education

Educational Psychology

Nel, B. F., B.A., D.Phil. S.A., Litt. et Phil.D. Amst., M.Ed. Dean of Fac., Prof.
Groenewald, A. J., B.A. Stell., M.A. Col., D.Ed. Lectr.

Educational Sociology

Nel, B. F., B.A., D.Phil. S.A., Litt. et Phil.D. Amst., M.Ed. Prof.
Groenewald, A. J., B.A. Stell., M.A. Col., D.Ed. Lectr.

General History and Theory of Education

Bosman, J. C., M.A. Harv. Prof.

History of Education in South Africa

Pelzer, A. N., M.A., D.Phil. Prof.

Native Education

Eiselen, W. M. M., M.A. Stell., Ph.D. Hamburg Prof.

Nursery School Training

Naude, Miss H. J. Lectr.
7 Pt.-time Lectrs. in Faculty of Education as a whole.

Philosophy of Education

Hugo, T. J., B.A. Cape, Ph.D. Gron. Prof.
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. Berlin Sr. Lectr.

van der Merwe, G. W., B.Sc., B.Ed.Ph. Stell. Lectr.
Oertly, Miss G., Phys.Ed.Dip. Basle Lectr.
4 Pt.-time Lectrs.

Law

Crim., Const. and Admin. L. and Public Internat. L.

Coertze, L. I., M.A., LL.D. Stell. Dean of Fac., Prof.
Hamman, E. M., LL.D. Leiden, B.A., LL.B. (Merc. L.) Prof.

Jurisprudence, Roman-Dutch L., Internat. Private L., Comparative L.

Pont, D., LL.D. Utr., LL.B. S A., K.C. Prof.
Trengove, J. J., B.A., LL.B. Lectr.

Procedure and Evidence

Jansen, E. L., B.A., LL.B. Lectr.

Roman Law

van Warmelo, P., LL.D. Leid., B.A., LL.B. Prof.
4 Pt.-time Lectrs.

Agriculture

Agric. Biochemistry

Kellermann, J. H., Ph.D. Wisc., D.Sc.Agric. Stell. Prof.
Potgieter, D. J. J., B.Sc. Lectr.

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. Cornell, D.Sc. Agric. Prof.
van der Merwe, Z. D., B.Sc.Agric. Lectr.
2 Temp. Asst. Lectrs.

Agric. Engineering

van Tonder, A. J., B.A. Cape, M.Sc. Calif. Prof.
Vorster, J. A., M.S.A.E. Iowa, B.Sc.Agric. Sr. Lectr.
van Heerden, J. S. P. K., M.Sc. Agric. Lectr.

Agric. Entomology (and Entomology in Fac. Science)

Faure, J. C., M.A., Ph.D. Corn. Prof.
Janse, A. J. T., D.Sc. S.A. (Systematic E.) Hon. Prof.
Geyer, J. W. C., M.Sc.Agric. Lectr.
Mathee, J. J., M.Sc. Lectr.

Agronomy

Haylett, D. G., M.Sc. Ill., Ph.D. Corn. Prof.
du Preez, W. B., M.Sc.Agric. 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., M.Sc.Agric. Lectr.
Bonsma, J. C., M.Sc.Agric (An. H.) Lectr.
Hirzel, R., B.Sc.Agric. Stell., M.Sc.Agric. (An. H.) Lectr.

Dairying

Davel, H. B., B.Sc. Iowa Union-Castle Prof.
Dixon, A., M.Sc.Agric. Lectr.
Neethling, H. L., M.Sc.Agric. Ames. Lectr.
1 Temp. Tech. Asst.

Forestry

..... Lectr.

Genetics

Hofmeyr, J. D. J., M.Sc.Agric. Stell., Ph.D. Cornell, Ph.D. S.A. Sr. Lectr.
1 Pt.-time Lectr.

Horticulture

..... Union-Castle Prof.
Oberholzer, P. C. J., Ph.D. Arizona, M.Sc.Agric. Prof.

Plant Pathology

Dippenaar, B. J., D.Sc.Agric. Stell. Prof.
Wijers, E. E., B.A. S.A., M.Sc. Sr. Lectr.

Poultry, v. also Vet. Sci.

Gericke, A. M. M., M.Sc. Rutgers Union-Castle Prof.
1 Asst. Lectr.

Veterinary Science

Henning, M. W., D.Sc. S.A. Prof.

Veterinary Science

Ambulatory Clinic and Materia Medica

de Lange, M., D.V.Sc. Lectr.

Animal Nutrition

Groenewald, J. W., M.Sc. Ames, D.Sc.Agric. Prof.

Biochemistry

..... Prof.
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 Prof.
Sutton, G. D., B.V.Sc. (also An. Management) Lectr.

Vet. Medicine

Parkin, B. S., B.A. Cape, D.Sc. S.A. Prof.
Malherbe, W. D., B.V.Sc. Lectr.

Vet. (State) Medicine

Diesel, A. M. Sr. Lectr.

Vet. Parasitology and Helminthology

..... Prof.
du Toit, R. M., B.V.Sc. S.A. (Parasit.) Lectr.
Ortlepp, R. J., M.A. Cape, D.Sc. 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

..... Prof.
Clark, R., D.V.Sc. Lectr.

Vet. Surgery and Obstetrics

van Rensburg, S. W., B.A. Cape, D.V.Sc. Prof.
Starke, N. C., D.V.Sc. Lectr.

Vet. Toxicol. and Veld Management

Adelaar, T. F., B.V.Sc. 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

Bisshop, J. H. R., B.Sc.Agric., B.V.Sc. S.A. Prof.

Medicine

Anaesthetics

Lombard, W. A., M.D. Sr. Lectr.
Kok, O. V. S., M.B., Ch.B. Cape, D.T.M. Liv. Clin. Asst.

Anatomy

de Haas, W. G., M.D. Utrecht, M.B., Ch.B. Cape Prof.
Retief, P. J. M., M.B., Ch.M. Cape Sr. Lectr.
Lups, Mrs. T., Arts. Gron. Temp. Lectr.
Horn, L. Tech. Asst.
2 Student Demrs., 2 Asst. Pt.-time Lectrs.

Bacteriology, v. Pathology and Bacteriology

Children's Diseases

Janssen, E., M.D. Leiden, D.T.M. & H. Amst., M.B., B.Ch. Rand Prof.
Le Roux, J. S., M.B., Ch.B. Cape T. Clin. Asst.
Steyn, J. G. N. Clin. Asst.
Du Toit, S. B., M.B., Ch.B. Rand Clin. Asst.

Diseases of the Ear, Nose, and Throat

Hofmeyr, J. H., B.Sc., M.B., Ch.B. Cape, F.R.C.S.Ed. Sr. Lectr.
Malan, H. J., B.A., M.D. Holland Asst. Lectr.
Swanepoel, K. J., B.A., B.A.O., M.B. Dub. Clin. Asst.

Diseases of the Eye

Kriek, J. C., M.A., M.B., B.Ch. Rand Sr. Lectr.
Wassenaar, T., Arts. Holland, M.D. Amst. Asst. Lectr.
Jacobs, D. J., M.B., Ch.B. Rand Clin. Asst.

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., D.P.H., M.D. Rand Prof.
1 Temp. Lectr.

Gynæcology and Obstetrics

te Groen, L. J., Arts. Amst. Dean of Fac., Prof.
Oosterhagen, P. H., M.B., Ch.B. Cape Sr. Lectr.
Mostert, G. v. R., B.A. Sr. Lectr.
Geldenhuys, F. G., M.B., B.Ch. Rand Clin. Asst.
Bremer, P. M., M.B., Ch.B. Cape Clin. Asst.
Strasheim, E. A., M.B., Ch.B. Cape Clin. Asst.
Georgiades, G., M.D. Weenen, M.B., Ch.B. House Surgeon.

Infectious Diseases

Nelson, H. M. A., M.D., Ch.B., B.A.O., D.P.H., D.T.M. Sr. Lectr.
Dicks, R. L., M.B., Ch.B. Edin., D.P.H. Rand Asst.
1 Additional Asst.

Medical Ethics

Schulenburg, A. C. Lectr.

Medicine

van der Merwe, C. F., B.Sc. S.A., Arts. Holland, M.D. Utrecht Prof.
Snyman, H. W., M.B., B.Ch. Rand, M.D. Gron. Sr. Lectr.
..... Lectr.
Brink, A. M. B., B.Ch. Rand Jr. Lectr.
..... Jr. Lectr.
..... Jr. Lectr.
Bezuidenhout, D. J. J., M.B., Ch.B. Cape Clin. Asst.
Beyers, J. A., M.B., Ch.B. Cape Clin. Asst.
Brink, A. J., M.B., Ch.B. Rand Clin. Asst.
van Hoepen, H. E., Arts. Holland Clin. Asst.
von Wezel, R. L., M.B., Ch.B. Cape, M.D. Clin. Asst.
van Rensburg, D. J. J., M.B., Ch.B. Cape Clin. Asst.

Orthopædics, v. Surgery, *infra*

Pathological Anatomy

Barnetson, J., M.B, Ch B. Edin., D.T.M. & H. Rand Prof.
Barnard, P. J. J., M.B., Ch.B. Cape Sr. Lectr.
3 Tech. Assts.

Pathology and Bacteriology

Pijper, A., M D., D Sc., Dipl Trop. Gen. Hamburg Prof
von Haebler, Miss T., M.D. Jena, D.T.M. & H , Dip Clin. Path. Lond. Sr. Lectr.
Dunston, T., M.D., B.Ch. Rand (Clin. Path.) Sr. Lectr.
Crocker, Miss C. G., M.Sc. Rand, Ph.D. S.A. Lectr.
6 Tech. Assts., 4 Lay Assts.

Pharmacology

Steyn, D. G., B.Sc. Stell., Dr.Med.Vet. Vienna, D.V.Sc. Prof.
1 Temp. Demr., 1 Tech. Asst.

Physiology

Brink, C., B.Sc. Stell., M.B., B.Ch. Rand Prof.
Odendaal, W. A., D.Sc. Stell. Sr. Lectr.
Rabie, J., M.Sc. Stell. Lectr.
Smit, Z. M., M.Sc.Agric. (Biochem.) Lectr.
Mihàlik, P., M.D. Budapest Lectr.
3 Tech. Assts.

Psychiatry

de Vos, P. J. G., M.B., B.S. Durh. Prof.
2 Pt.-time Lectrs, 8 Demrs.

Public Health

Clark, B. M., D.P.H. Sr. Lectr.

Radiology

Oosthuizen, S. F., M.D., D.M.R. Lond. Prof.
Jacobs, E. L., M.B., Ch.B. Edin., D.M.R.
..... Lectr.
2 Temp. Assts.

Surgery

Bremer, J. K., M.B., Ch.B., Ch.M. Cape T., F.R.C.S.Ed. (Orthopædics) Prof.
Schulenburg, C. A. R , M B , Ch.B. Cape, F.R.C.S. (Surg. and Anat.) Sr. Lectr.
Besselaar, H. J., M.D. Zürich Sr. Lectr.
du Toit, J. G., M.B., Ch.M. Cape, F.R.C.S.Ed. (Orthopædics) Sr. Lectr.
Jordaan, J. C., M.B , Ch.M. Cape Sr. Lectr.
Dommisse, G. F., M.B., Ch.B. Cape, F.R.C.S.Ed. (Orthopædics) Asst. Lectr.
Derksen, C., M.B., Ch.B. Cape Clin. Asst.
Eybers, von W., M.B., B.Ch. Rand Clin. Asst.
Laubscher, C. L., M.B., B.Ch. Rand (Orthopædics) Clin. Asst.
Marais, T., M.B., Ch.B. Clin. Asst.
..... Clin. Asst.
Maas, J. P., M.B., Ch.B. Clin. Asst.
Vorster, A. J., M.B., Ch.B. Cape Clin. Asst.
Lion-Cachet, J., M.B., B.Ch. Rand Clin. Asst.
Botha, L. J., M.B., B.Ch. Rand Clin. Asst.
de Wet, I. S., M.B., B.Ch. Rand (Orthopædics) Clin. Asst.

Venereal Diseases

Behr, S., B.A., M.B., Ch.B. Dub., B.A.O. Lectr.

ADMINISTRATIVE STAFF

University Office. Accountant, M. Smuts, B.Com. Asst. to Registrar Miss L. Osrin, B.A. Rand. Bookkeeper, H. J. Van Heerden. Sr. Clerk, C. H. Cilliers, B.Sc., B.Com. Clerk in charge of Extra-mural Section, D. C.

Lamprecht, B.Com. Accountants Clerk, J. P. Nel, B.Com. Registration Clerk, Miss B. de Jager, B.A. S.A.

LIBRARY. Asst. Librarian, A. J. van den Bergh, B.A., Dipl.Libr.

TECHNICAL SECTION. Technical Adviser, H. W. Bateman.

GENERAL INFORMATION

Founded 1910. For early history, *see Yearbook*, 1929, pp. 508-9.

In 1930 the Transvaal University Coll. was incorporated by Act of the Legislature of the Union of S. Africa as an independent Univ. under the title of The Univ. of Pretoria. The Univ. consists of the Chancellor, the Vice-Chancellor, the Rector, the Council, Senate and Convocation, together with the Professors, other teachers and students of the Univ. The Rector is *ex officio* Chairman of the Senate.

The Act provides for Faculties or Departments of Theology, Arts, Commerce and Public Administration, Education, Law, Science, Music, Agriculture, Veterinary Science and such other Faculties or Depts. as the Council may, after consultation with the Senate, with the approval of the Governor-General and subject to the Statutes, from time to time establish. The Faculty of Medicine was established in 1943, and the Faculty of Dentistry in 1949, with the approval of the Governor-General.

The Faculty of Agriculture is one of three in South Africa, a third Faculty having recently been established at Natal Univ. It is specialized along different lines from the Faculty in Stellenbosch University, particular attention being paid to the study of farming in the summer rainfall area of the Union of South Africa. The Faculty of Agriculture of the Univ. of Pretoria has two functions, namely: (*a*) *Educational*: serving as a teaching institution for the training of agriculturists and agricultural engineers. The courses for Bachelors' degrees cover 4 years of study and candidates may specialize in any branch of agriculture. Postgraduate work may be taken, and about 20 per cent. of the students enrolled follow postgraduate courses. (*b*) *Research*: The Faculty is also a research institute. Its research work falls under the direct control of the Department of Agriculture of the Union Government. In this respect the Faculty functions as a division of the Department. The Faculty of Veterinary Science was grafted on to the Veterinary Research Laboratory at Onderstepoort, one of the largest veterinary research institutes in the Commonwealth. The most important subjects of research comprise protozoal, virus and bacterial diseases, helminthology, entomology, poisonous plants, mineral metabolism and other nutritional problems, sterility in cattle and sheep and other obstetrical and physiological problems.

LIBRARY, 150,000 vols. LABORATORIES: Applied Maths., Bot., Plant Physiol., Chem., Entom., Geog., Geol., Phys., Psychology, Zool., Agric. Bot., Agric. Chem., Agronomy, Vet. Anat., Sheep and Wool, Domestic Science, Gen. and Clin. Anat., Histol., Physiol., Biochem., Bacteriol., Clin. Pathol., Pathological Anat., Pharmacol., Medicine. ASTRONOMICAL OBSERVATORY.

DEGREES. B.A., B.A. (Social Work), B.Admin., B.Com., B.Sc., B.Mus. (in abeyance)—3 yrs. B.A. in Librarianship—4 yrs. B.Sc. (Agric.), B.Sc. (Agric. Eng.), B.Sc. (Dom.Sci.), B.Sc. in Land Surveying, B.Ed.Phys.—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.Admin., M.Com., M.Sc.—not less than 18 mos. after corresponding Bachelor's degree; M.Sc. (Agric.)—not less than 1 yr. after corresponding Bachelor's degree. B.Ed.—not less than 1 yr. after

Bachelor's degree and High Dip. in Education or equivalent dip.; 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; B.D., 3 yrs. after B.A. D.Litt., D.Phil. (Arts, Com., and Pub. Admin.), D.Com., D.Mus., D.Ed.—not less than 4 yrs. from Bachelor's degree or 2 yrs. from Master's degree; 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. Architecture, 5 yrs.; Quantity Surveying, 4 yrs.; Music (in abeyance), Commerce, Public Administration, Business Management and Administration, 2 yrs.; Native Administration, Social Work, Nursery School Teaching, 3 yrs.; Soil Conservation, 2 yrs.; Radiography, 3 yrs.; Diagnostic Radiography, 1 yr.; Librarianship, 2 yrs. or 1 yr. for graduates; Medical Radiology, 3 yrs. postgraduate; Diploma in Nursing for Sister Tutors, 1 yr.; Native Education, 1 yr. postgraduate; Higher Education, 1 yr. postgraduate.

COURSES are provided for all degrees and diplomas of the Univ. in Divinity, Arts, Commerce and Public Administration, Law, Science, Agriculture, Agricultural Engineering, Veterinary Science and Medicine. Course in Librarianship may be taken, leading to the B.A. degree in Library Science or else a 2-yr. course leading to a Diploma in Librarianship. Special courses are available for teachers of Domestic Science. Five-yr. course in Tropical Veterinary Medicine leads to degree of B.V.Sc. Full courses are available in Architecture and Surveying and special provision is made for Bantu Studies.

FEE for full degree course, £35 to £80 p.a.

EXTRA-MURAL STUDIES. A special feature of the Univ. is the work done in the Extra-mural Faculties. In a building in the centre of the town three miles from the main buildings lectures are given, out of ordinary business hours, for the benefit of public servants, articled clerks, commercial men and teachers. About 700 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 Bantu Studies and Native 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 being organized in Pretoria and surrounding districts.

HOSTELS. 4 for men, including the Dutch Church Hostels, and 1 for women. Board and residence, £80 p.a.

PUBLICATIONS. *Calendar* (November); bulletins containing result of research by members of staff.

THE YEAR 1949

BENEFACTIONS. *Annual grants and special donations*: City Council of Pretoria, £2000; Ned. Herv. Kerk van Afrika, £1568; Ned. Herv. of Geref. Kerk van Suid-Afrika, £1568. *Donations* to Medical Fac. Fund, £280; to Inst. of Business Management, £1444; to Inst. of Plant Pathol., £765.

NEW BUILDINGS. The bldg. for the Inst. of Plant Physiological Res. has been completed. An additional bldg. for the Fac. of Arts and a new bldg. for the Fac. of Dentistry are being constructed.

OTHER DEVELOPMENTS. A Fac. of Dentistry, which offers a 5-yr. degree course leading to the B.Ch.D. degree, was established, the second and third yr. courses for this degree being offered as from 1950.

CHANGES IN REGULATIONS. New regs. for the B.Ch.D. degree. Minor changes have been made in the regs. of several Facs.

VISITS OF TEACHER FROM OTHER UNIVERSITY. C. H. Best, Prof. and Hd. of Dept. of Physiol., Dir. of the Banting-Best Dept. of Medical Res., Toronto, visited the Medical School and gave several lectures in Nov. 1949.

RESIGNATIONS. Prof. S. P. Viljoen (Economics), to take up appt. as Chairman of the Wage Board in the State Dept. of Labour; Prof. W. W. M. Eiselen (Soc. Anthropol.), on appt. as Secretary for Native Affairs; Prof. H. J. Besselaar (Surg.), resigned his Professorship but retains his connexion with the Fac. of Med. as a pt.-time Sr. Lectr.; Dr. F. W. MacLachlan (Radiol.), to go into private practice.

DEATH. Prof. J. I. Quin, Dean of Fac. of Vet. Sci. and Dir. of Vet. Services of the Union of S. Africa.

STUDENTS. Total: 3430; full-time: 3359; pt.-time: 71; the total includes 670 women and 464 postgraduates.

DEGREES, 1948–49. B.D. (Division A), 8; B.D. (Division B), 6; D.Phil., 3; M.A., 16; M.A (S.W.), 3; B.A., 116; B.A. (S.W.), 23; LL.B., 6; D.Sc. 2; M.Sc., 6; B.Sc., 42; B.Arch., 1; B.Sc. (Dom.Sc.), 9; B.Sc.Diet., 1; M.D., 4; M.D. Clinical, 4; M.Ch., 1; M.B., Ch.B., 94; D.Sc. (Agric.), 2; B.Sc. (Agric. Eng.), 2; M.Com., 1; B.Com., 23; B.Admin., 2; B.V.Sc., 19; M.Ed., 4; M Sc. (Agric.), 3; B.Sc. (Agric.), 12.

DIPLOMAS. Diploma in Theology, 4; Diploma in Library Science, 3; Diploma in Social Work, 2; Diploma for Domestic Science Teachers, 1; Diploma in Dietetics, 1; Diploma in Quantity Surveying, 4; Diploma in Architecture, 3; Diploma in Radiography, 4; Diploma in Medical Radiology, 1; Higher Education Diploma, 29; Nursery School Teaching Diploma, 4.

UNIVERSITY OF SOUTH AFRICA

Founded 1873

Address—P.O. Box 392, Pretoria.
Telegrams—University, Pretoria.

CHANCELLOR—The Rt. Hon. N. J. DE WET, P.C., B.A. Cape, LL.D.

VICE-CHANCELLOR AND CHAIRMAN OF COUNCIL—A. J. R. VAN RHYN, B.A., M.Sc., Ph.D.

CHAIRMAN OF THE SENATE—Prof. W. F. BARKER, B.Sc., Ph.D., F.I.C., F.R.S.S.Af.

PRESIDENT OF CONVOCATION—.....

REGISTRAR—LANGHAM MURRAY, M.A. Oxon.

ASSISTANT REGISTRAR—P. A. TALJAARD, B.A., LL.B.

DIRECTOR OF EXTERNAL STUDIES—Prof. A. J. H. VAN DER WALT, D.Phil. Berlin, M.A.

SECRETARY—B. F J. VAN RENSBURG, B.Com., B.A.

CONSTITUENT COLLEGES (As at December 1, 1950)

POTCHEFSTROOM UNIVERSITY COLLEGE for Christian Higher Education, Potchefstroom (1905).

RHODES UNIVERSITY COLLEGE, Grahamstown (1855).

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. *See* Introductory Chapter, *supra*.

FACULTIES: Arts (including Fine Arts and Music), Divinity, Social Science, Education, Science, Law, and Commerce and Administration.

DEGREES. B.D., M.Div., D.D.; B.A. (Pass and Hons.), M.A.; B.P.Ed., B.Ed., M.Ed., D.Ed.; D.Litt., D.Phil.; B.A. in Soc. Sci. (Pass and Hons.), M.A. in Soc. Sci., Ph.D. in Soc. Sci.; B.Mus., M.Mus., D.Mus.; B.Com. (Pass and Hons.), M.Com.; B.Econ. (Pass and Hons.), M.Econ.; B.Sc. (Pass and Hons.), M.Sc., Ph.D. in Sci., D.Sc.; B.Sc. in Hygiene; LL.B., LL.M., LL.D.

COURSES for B.A., B.A. (Soc. Sci.), B.Com., B.Econ., B.Sc., B.Sc. (Dom. Sci.), B.Sc. (Hygiene)—3 yrs.; Honours Degrees—1 yr. after Bachelor; B.Mus., B.A. (Fine Arts)—4 yrs.; B.D. and LL.B.—3 yrs., after graduating in some faculty other than Law. *Internal* candidates for these degrees must have attended as registered matriculated students at a Constituent Coll. for

the prescribed periods, provided that the Senate will accept, as qualifying, attendance on recognized courses at any of the other South African Univs. and may accept attendance and examns. at other recognized Univs. or at other institutions specially recognized by the Senate for the purpose. But the minimum attendance at approved courses at the Univ. of S.A. for the Bachelor's degree in Applied Science is the final 2 yrs., and for other Bachelor's degrees at least one-half of the courses prescribed. *External* 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.

The M.Mus. and M.Div. each cover 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 *honoris causa*.

Diplomas: in Education—1-yr. course; in Bantu Studies (Lower, 2 yrs., Higher, 1 yr.); in Chemical Technol.—1 yr.; in Town Planning—2 yrs.

DIVISION OF EXTERNAL STUDIES. Teaching Staff: Dept. of *English*: E. Davis, M.A. Oxon.; *Afrikaans*: H. J. J. M. van der Merwe, M.A., D.Litt., Pretoria; *Classics*: F. M. P. Oosterhof, M.A. Pretoria, Cand. Litt. Groningen; *Psychology*: A. S. Roux, M.A. Pretoria; *History*: C. F. J. Muller, M.A., D.Phil. Stell., T. van Wyk, M.A.; *Economics*: K. D. Venter, M.A.; *Education*: D. H. Cilliers, M.A., M.Ed.; *Sociology*: J. A. van der Walt, M.A.; *African Studies*: E. F. Potgieter, B.A.; *Mathematics*: J. H. van der Merwe, M.Sc.; *Law*: D. de Villiers, B.A. Oxon.; *Politics*: J. A. Coetzee, M.A., D.Phil.; *Geography*: C. B. Smit, M.A.; *Accounting*: L. M. du Toit, B.Com.; *Commerce*: F. E. Rädel, Dipl. rer. oec. Dresden, D.Comm. Stell.

SCHOLARSHIPS FOR GRADUATES. Queen Victoria Memorial (women only) and Hiddingh-Currie, each £200 p.a. for 3 yrs. Fifteen Exhibitions £80, for Bachelors proceeding to an Honours Bachelor degree and ten Exhibitions £60, for Honours Bachelors proceeding to a Master's degree. (V. Introductory Chapter.)

SCHOOL AND MUSIC EXAMNS. The Univ. controls and conducts a *Junior Certificate* examn. of standard 2 yrs. below matricn., and examns. for Music Certifs. and Licentiate Diplomas (for Teachers of Music and Solo Performers).

PUBLICATION. *Calendar* (January).

THE YEAR 1949

HONORARY DEGREES. *LL.D.*—F. P. van den Heever; *D.Litt.*—D. F. Malherbe; *D.Ed.*—F. Postma.

STUDENTS. Full-time: 2454, including 512 graduates. External and pt.-time: 4215, including 257 graduates.

DEGREES. B.A., 340; B.A. (Fine Arts), 8; Hons. B.A., 57; B.Mus., 2; M.A., 7; B.D., 9; B.A. (Soc. Sci.), 44; D.Litt., 2; LL.B., 16; B.Sc., 102; B.Sc. (Dom. Sc.), 2; B.Sc. (Hyg.), 11; Hons. B.Sc., 16; M.Sc., 6; B.Ed., 31; M.Ed., 2; D.Ed., 1; B.Com., 72; B.Econ., 14; Hons. B.Com., 7; Hons. B.Econ., 2; Hons. B.A. (Soc. Sci.), 44; M.Mus., 1; B.P.Ed., 5.

THE POTCHEFSTROOM UNIVERSITY COLLEGE*
FOR CHRISTIAN HIGHER EDUCATION
TRANSVAAL

Founded 1869

Address—Potchefstroom, Transvaal.

CHAIRMAN OF COUNCIL—Rev. H. J. R. DU PLESSIS.

RECTOR AND CHAIRMAN OF THE SENATE—Prof. F. POSTMA, D.Litt. Amst., D.Ed.

VICE-CHAIRMAN OF SENATE—Prof. J. C. VAN ROOY, Ph.D. Amst , M.A.

REGISTRAR—S. DU TOIT.

LIBRARIAN—H. C. VAN ROOY, B.Sc. Col., M.A.

ORGANIZING SECRETARY—G. P. SCHOEMAN, B.Com. Pretoria, B A.

TEACHING STAFF

Accounting and Auditing

Jooste, F. J., B.Com. Stell. Sr. Lectr.

Erasmus, D. P., B.Com. Lectr.

Bantu Language

Kaske, Rev. E. Temp. Asst.

Botany

Goossens, A. P., Ph.D., D.Sc., F.R.S. Prof.

Botha, P. J., M.Sc., Ph.D. Sr. Lectr.

Papendorf, M. C., M.Sc., Ph.D. Lectr.

Chemistry

du Plessis, D. J., Ph.D. Bonn, M.Sc. Prof.

Tiedt, J., M.Sc. Sr. Lectr.

van den Berg, J. A., M.Sc. Lectr.

Commerce and Industrial Organization and Management

Viljoen, D. J., M.Com. Sr. Lectr.

Domestic Science

Hofmeyer, Miss H. C., B.Sc. (Dom. Sci.) Temp. Lectr.

Joubert, Miss E S., B.Sc. (Dom. Sci.) Asst. Lectr.

Dutch and Afrikaans

Dekker, G., D.Litt. Amst., M.A. Dean and Prof.

Labuschagne, F. J., M.A. Prof.

Venter, H., M.A. Sr. Lectr.

Economics

van der Merwe, J. P., D.Litt. et Phil. Amst., M.A. Dean and Prof.

van Deventer, B., B.Com., M.Econ. Sr. Lectr.

Education

Coetzee, J. C., M.A., M.Ed., D.Phil., F.B.Ps.S. Dean and Prof.

van der Merwe, P. J., M.A. Rand Hon. Prof.

Bingle, H. J. J., M.A., D.Phil. Prof.

English

Davies, R. E., Ph.D. Lond., M.A. Prof.

Fourie, I. J. v. H., M.A., D.Phil. Sr. Lectr.

* From March 17, 1951, will assume full Univ. status as "The Potchefstroom University for Christian Higher Education."

Martin, Miss V., M.A. Cape Lectr.

Geography

van der Merwe, J. S., M Sc., M A. Prof.

Duvenage, J. P., M.A. Lectr.

Geology

Ackermann, P. B., M.Sc. Cape Sr. Lectr.

Bisschoff, A. A., B.Sc. Asst. Lectr.

German

Schulze, H. G , Ph.D. Bonn, M.A. Prof.

Brandt, P. A., D.Phil. Leipzig, M.A. Lectr.

Greek

Postma, A., B.A. Sr. Lectr.

History

Kruger, D. W , M.A., D.Litt. Prof.

du Plessis, J. S., M.A. Sr. Lectr.

Latin

Coetzee, W. N., M.Ed. Stell., M.A. Sr. Lectr.

Law

Joubert, W. A., M.A., LL.B. Stell. Sr. Lectr.

Mathematics and Applied Maths.

van Rooy, D. J., M.A. Prof.

Robbertse, W. P., M.Sc., Dr.Sc.T. Del. Prof.

de Wet, J. M., B.Sc. (Eng.) Rand, M.Sc., Ph.D. Lond. Lectr.

Mercantile Law

Joubert, W. A., M.A., LL.B. Stell. Sr. Lectr.

Music

Malan, J. P., B.A., B.Mus. Sr. Lectr.

van der Walt, J. J. A., B.Sc. Lectr.

Pharmacy

de Vos, W. Lectr.

Philosophy

Stoker, H. G., Ph.D. Köln, M.A. Prof.

Taljaard, J. A. L., M.A. Lectr.

Physical Education

Smith, D. P. J., Dipl. Turn.-, Sport- u. Gymn.-Lehrer, B.A., M.Ed., D.Phil. Sr. Lectr.

Du Preez, Miss S., B.Ed.Ph. Stell. Lectr.

Joubert, I. J., B.A., B.Ed. Lectr.

Physics

van Wageningen, G., Nat. Phil. Cand. Amst. Prof.

..... Sr. Lectr.

van der Mark, J., M.Sc. Lectr.

Physiology

Hamersma, P. J., D.Sc. Pret. Sr. Lectr.

Fontanive, W. W , LL.D. Jena, M.D. Münster Temp. Lectr.

Psychology

Hattingh, J. M., B.A., D.Phil. Dean and Prof.

Schoeman, C. F., B.A. Asst.

Taljaard, J. A. L., M.A. Lectr.

Semitic Languages

Kroeze, J. H., Dr. Theol., Litt. Sem. Drs. Amst. Sr. Lectr.

Shorthand and Typing

Karberg, Miss M. E. E. R., B.Com., B.Ed. Lectr.

Social Anthropology

Lehmann, F. R., cand. theol., cand. rev. min., Kand d. Höh. Schulamts, Dr. phil. and phil. habil. Leipzig.

Social Work

Coetzee, J. H., M.A. Sr. Lectr.

Viljoen, Miss C., B.A. (S.S.) Lectr.

Sociology

du Preez, D. C. S., M.A. Rand, Ph.D. Amst. Prof.

Coetzee, J. H., M.A. Sr. Lectr.

Theology

du Toit, J. D., Theol.Dr. Amst., D.D., D.Litt. Hon. Prof.

du Toit, S., M.A. Pret., M.Div., D.D. Prof.
van Rooy, J. C., M.A. Prof.
Snyman, W. J., B.A., B.D. Prof.
Jooste, J. P., B A., D D. Dean and Prof.
De Klerk, P. J. S., D.Theol. Amst. Prof.

Zoology and Biology

Eiselen, G. T. S., M.Sc. Rand, Dr. rer. nat. Jena Prof.
van Eeden, J. A., M.Sc. Stell. Sr. Lectr.
Ryke, P. A. J , M Sc Stell. Lectr.
van Eeden, D., B.Sc. Temp. Asst.

GENERAL INFORMATION

Founded 1869, and admitted in 1921 as a Constituent College of the Univ. of South Africa. An Amendment to the Potchefstroom University College Private Act was passed by Parliament in 1933. The full title of the College under this Act is, at the time of going to press, "The Potchefstroom University College for Christian Higher Education" (v. footnote on p. 892).

PUBLICATIONS. *Calendar* (Dec.); *Die Veteraan*, annual for past students (Nov.); *Koers*, periodical (bi-monthly); *Principles and Method of Higher Education*, joint publication by staff.

THE YEAR 1949

BENEFACTIONS. £10,079 towards extension fund and £9372 towards library fund from public donations.

NEW BUILDINGS. Block for Phys. Educn. completed at cost of £27,000. Construction begun of swimming bath which will cost approx. £7000.

NEW DEPARTMENTS AND POSTS. Depts.: Social Anthropol. and Native Langs. Posts: Professorates in Psychol. of Educn., Maths. and Appl. Maths. and in Social Anthropol.; sr. Lectureships in Afrikaans and Nederlands, Economics and Economic Hist., Zool. and Biol., Dom. Sci. and in Physics; Lectureships in Music, Philos. and in Physiol. and Biochem.; Asstship. in Dom. Sci.

RETIREMENT. Prof. dr. J. D. du Toit (Theol.).

RESIGNATIONS. Mrs. I. v. G. Ainslie (Dom. Sci.) and Miss K. M. de Wet (Phys. Educn.), both married.

DEATH. H. de W. Botha (Physics).

HONORARY DEGREES. *D.Ed.*—Prof. Dr. F. Postma, Rector of P.U.C. for C.H.E.

STUDENTS. Total: 762; full-time: 719; pt.-time: 43; the total includes 151 women and 184 postgraduates.

DEGREES. B.D., 6; B.A., 72; Hons. B.A., 17; M.A., 4; D.Phil., 1; B.Sc., 23; B.Sc. (Dom. Sc.), 1; B.Sc. (Hygiene), 2; Hons. B.Sc., 6; M.Sc., 5; D.Sc., 1; B.A. (S.S.), 11; Hons. B.A. (S.S.), 4; B.Comm., 29; B.Econ., 1; Hons. B.Comm., 1; B.Ed., 26; M.Ed., 5; D.Phil., 3; D.Ed., 2.

RHODES UNIVERSITY COLLEGE *

Founded 1904

Address—P.O. Box 94, Grahamstown, C.P. *Telegrams*—" Rhodescol."

CHAIRMAN OF COUNCIL—S. B. HOBSON, M.A. Cape.

VICE-CHAIRMAN OF COUNCIL—H. PARKER, B.A.

MASTER AND CHAIRMAN OF SENATE—T. ALTY, D.Sc. Liv., Ph.D. Camb., F.I.P., F.R.S.C.

HON. TREASURER—J. T. YEOMANS.

REGISTRAR—A. E. SHIELDS, M.B.E., M.A. Camb.

CARNEGIE LIBRARIAN—F. G. VAN DER RIET, M.A. Stell., Dr. de l'Univ. de Paris.

TEACHING STAFF

African Studies

Wilson, Mrs. M. M., M.A., Ph.D. Camb. Prof.
Kent, N. R., M.A. Cape Lectr.

Botany

Isaac, W. E., B.Sc., Ph.D. Wales, F.R.S.S.Af. Prof.
Martin, A. R. H., B.A. Camb. Lectr.

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. Physiques France, M.Sc. Sr. Lectr.
Little, G. E., M.A., Ph.D. Camb. Sr. Lectr.
Gledhill, J. A., Ph.D. Yale, M.Sc., Ph.D. Lectr.
Steyn, W. J. A., M.Sc. Temp. Lectr.

Classics

White, K. D., B.A. Liv., M.A. Camb. Prof.
Whiteley, S., M.A. Oxon. Sr. Lectr.
Sumner, G. V., B.A. Oxon. Lectr.

Commerce

Liddell, D., M.A., B.Com. Edin. Prof.
..... Sr. Lectr.

Divinity

Davies, Rev. Horton, M.A., B.D. Edin., D.Phil. Oxon. Prof.
Cosser, Rev. W., M.A., B.D. Glas. Sr. Lectr.

Economics and Politics

Houghton, D. H., M.A. Oxon., B.A. Prof.
Threlfell, R. L., B.A. Camb., B.Com. Sr. Lectr.
Slee, A. T. C., B.Sc. (Econ.) Lond., M.A. Lectr.

Education

Morton, D. M., B.Sc., M.A., Ed.B. Glas. Prof.
..... Sr. Lectr.

Instructors

Emslie, Miss M. (Needlework).
v. Rensburg, P. J. (Woodwork).
Sieverdink, Mrs. A. H. J. (Typewriting and Shorthand).

Engineering [Sr. Lectr.
Hoxey, S. C., M.Sc. (Eng.) Lond.
Reid, J. M. Workshop Instr.

* From March 10, 1951, will assume full Univ. status, v. p. 897.

English

Haworth, P., M.A. Manc., Ph.D. Innsbruck, B.Litt. Oxon. Prof.
Seary, E. R., M.A., Ph.D. Sheff. Sr. Lectr.
Hall, A. D., B.A. Oxon., B.A. Lectr.

Fine Arts

Todd, C. Prof.
Guiton, Mrs. N. M., B.A. Sr. Lectr.
Evans, D. L. Lectr.

French

Hérisson, C D., L. ès L. Toulouse, M.A. Lafayette, D. en Droit et en Sc. Écon Toulouse Prof.

Geography

Rennie, J. V. L., M.A. Cape, 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. Prof.
Ruddock, A., B.Sc. Durh. Sr. Lectr.

German

Meyer, C. J., Cand.Lit.Germ. Amsterdam, D.Litt. Sr. Lectr.

History

[Prof.
Roberts, M., M.A., D.Phil. Oxon.
..... Sr. Lectr.

Ichthyology

Smith, J. L. B., B.A. Cape, M.Sc. Stell., Ph.D. Camb. Research Prof.

Law

..... Prof.
Kannemeyer, D. D. V., B.A., B.C.L. Oxon. Lectr.
Schwietering, K. F. J., LL.B. Stell., B.A. Lectr.

Mathematics

Burnett, D., M.A., B.Sc. Aberd., M.A., Ph.D. Camb., F.R.S. S.Af. Prof.
King, J. W., M.Sc. Sr. Lectr.
Pretorius, W. J., M.Sc. Lectr.

Music

Hartmann, F. H., Dr.Jur. Vienna Prof.
de Plessis, H., B.A. Stell., B.Mus. Lectr.
Graham, A. H. Lectr.

Nederlands and Afrikaans

Louw, W. E. G., M.A., Litt.Drs. Amsterdam, Ph D. Cape Prof.
Hendrikz, Miss P. A., M.A. Sr Lectr
Antonissen, R. J. K. E., Dr Phil. & Lit. Louvain Lectr.

Philosophy

Barratt, A. J., M.A. Oxon. Prof.

Physical Education

Locke, E. E., B.Sc. Sr. Lectr.
Powell, J. T. Lectr.
Thomson, Miss M. N., M.S. Smith Coll., U.S.A. Temp. Lectr.

Physics

..... Prof.
Watson, S. W., B.A. Cape, M.A., Ph.D. Camb. Sr. Lectr.
Szendrei, M. E., M.Sc., Ph.D. Lectr.
Stroh, A. N., M.Sc. Lectr.

Psychology

Wild, E. H., Ph.D. Lond., M Sc., F.B.Ps.S. Prof.
Williams, W. H., B.A., Dip.Ed. Melb., M.A., Ed.D. Stanford Sr. Lectr.
Marsh, M. C., B.A. Lectr.

Social Science

Irving, J., B.A. Camb. Prof.
Stoker, Miss F. M. L., M.A. Lectr.
Andrezjewski, S., B.Sc. Lond. Lectr.

Survey

..... Sr. Lectr.

Zoology

Omer-Cooper, J., M.A. Camb., M.Sc. Durh., F.L.S. Prof.
van Hille, J. C, M.Sc., Ph.D. Utrecht Sr. Lectr.
Macnae, W., B Sc. Glas. Lectr.

Leather Research Institute

Shuttleworth, S. G., M.Sc., Ph.D., F.R.I.C. Director and Prof.
Cunningham, G. E., B.Sc., Ph.D. Leeds Lectr.
White, Mrs. I. H. B., M.A. St. And. Lectr.

GENERAL INFORMATION

Rhodes University College was incorporated in 1904 and since 1916 has been a constituent Coll. of the Univ. of South Africa. A historical sketch has been given in the *Yearbook* for 1929, p. 505. In the last ten years the growth and devel. of the Coll. have been remarkable. Early in 1949, Parliament passed an Act constituting the College an independent Univ. This Act will come into force in 1951.

The Coll. now has permanent Physics, Chem., Bot., Geol., Geog. and Psychol. labs., an Engin. workshop, a modern fully-equipped Gymnasium and an Art School, together with a large block housing the Library, the Arts Depts. and the Admin. New bldgs. for the Depts. of Music, Entomol., Ichthyol. and Zool. are planned for construction as soon as funds permit.

LIBRARY. The Library contains over 62,000 volumes excluding unbound periodicals, pamphlets, etc. The Cory Library, a collection of material relating to the history of the Eastern Cape Province, is in charge of a full-time research officer.

RESIDENCE. The residential nature of the Coll. is one of its outstanding characteristics, 90 per cent. of the students being in residence. Accomm. is available for about 550 men in three Halls and 350 women in two Halls. Each Hall consists of two, three or four Houses with a central Dining-Hall and its own staff. There is also a well-equipped Sanatorium.

COURSES. Courses are given in the usual subjects required for degrees in the Facs. of Arts, Fine Arts, Science, Soc. Sci., Music, Law, Divinity and Commerce; for the professional diplomas in Survey and Music; for the Univ. diplomas in Educ. and Bantu Studies, and for Coll. diplomas in Personnel Welfare and Management, Soc. Studies, Theol., Leather Science, Analytical Chem., Soil Sci., Physical Educn. and Music. First-yr. courses are also given for students proceeding to other Univs. for degrees in Engin., Medicine, Dentistry, Vet. Sci., Survey and Agric.

RESEARCH. There are facilities for research in all the labs. mentioned above. The Leather Industries Research Institute associated with the Coll. is the centre for research into Leather Science for the whole of South Africa. A recent large donation by Hugh le May has made possible the institution of a Fellowship for carrying out research in the Humanities.

SCHOLARSHIPS. Bursaries and Scholps. are awarded both to undergraduates and graduates.

FEES. Tuition: B.A., B.A. (S.S.), B.A. (F.A.), B.Com., £44 p.a.; B.Mus., £46 p.a.; B.Sc., £54 p.a.; LL.B., £56 p.a. Residence: £92 p.a.

THE YEAR 1949

BENEFACTIONS. De Beers Consolidated Mines Ltd., £25,000; Rhodes Trust, £10,000; Grahamstown Municipality, £10,000. (These were the largest

individual donations in response to an appeal for Endowment Funds, the total contributions having reached almost £100,000 by the end of the yr.)

NEW BUILDING. A Laundry was completed during the yr.

NEW POSTS. Lectureships in Entomol. and Divinity.

NEW COURSES. Hellenistic Greek, Sotho, Shona, Diploma Course in Phys. Educn.

EXTRA-MURAL WORK. Extension lectures and music recitals were arranged as in previous years.

VISITING LECTURERS. Prof. Dover Wilson, Edinburgh, "How Shakespeare wrote his Plays" and "Emotional Problems in Julius Cæsar"; Prof. W. M. Macmillan, St. Andrews, "South African Problems" and "Africa North of the Zambesi"; Prof. Waterink, Amsterdam, "Kinderprobleme."

VISIT OF MEMBER OF STAFF TO ANOTHER UNIVERSITY. Prof. W. E. G. Louw gave a series of lectures at Amsterdam on "Afrikaanse Poësie sedert 1900."

RESIGNATIONS. T. J. H. Waldeck (Commerce), on appt. to Natal Univ.; G. F. A. Baer (Educn.); Prof. B. Beinart (Law), on appt. to Cape Town Univ.; Miss A. Lyle (Zool.), on appt. to Durban Museum; N. K. Kinkead-Weekes (Law).

DEATHS. H. A. Mulder (Dutch); A. H. Harcourt-Wood (Survey).

STUDENTS. Total: 884; full-time: 878; pt.-time: 6; the total includes 349 women and 114 postgraduates.

DEGREES. B.A., 92; B.A. (F.A.), 7; B.A. (S.S.), 11; Hons. B.A., 13; M.A., 2; LL.B., 3; B.Sc., 58; Hons. B.Sc., 14; M.Sc., 5; B.Com., 32; Hons. B.Com., 2; B.Mus., 2; B.Ed., 1; M.Ed., 2.

UNIVERSITY OF STELLENBOSCH

Founded 1916

CHANCELLOR—D. F. MALAN, Th.D. Utrecht, M.A., M.P.

VICE-CHANCELLOR—Mr. JUSTICE H. S. VAN ZIJL, K.C., LL.B. Camb., B.A.

PRESIDENT OF CONVOCATION—Rev. H. J. PIENAAR, B.A.

PRINCIPAL—Prof. R. W. WILCOCKS, Ph.D. Berlin, D.C.L. Oxon., B.A.

REGISTRAR—D. J. KRIEL, B.A.

LIBRARIAN—G. V. MARAIS, B.Sc. Columbia, F.S.A.L.A., M.A.

TEACHING STAFF

Agriculture, v. *infra*

Bantu Ethnology

..... Prof.
van Schalkwyk, A., M.A., D.Phil. Sr. Lectr.
Holleman, F. D., LL.D. Leiden Extraord Lectr.
Schüler, G. M. K., B.A. Temp. Jr. Lectr.

Bantu Languages

van Eeden, B. I. C , M.A., D.Phil. Prof.
Olivier, N. J. J., M.A., LL.B. Sr. Lectr.

Botany

..... Prof.
Jordaan, P. G., D.Sc. Sr. Lectr.
de Vos, Miss M. P., D.Sc. Lectr.
Smith, J. G., M.Sc. Jr. Lectr.

Chemistry

..... Prof.
Joubert, J. M., Ph.D. Mass. Inst. Tech., M.Sc. Prof.
Krige, G. J. R., Ph.D. Göttingen, M.Sc. Prof.
Kritzinger, J. H., Dr.Ing. Aachen, M.Sc. Sr. Lectr.
van der Merwe, P. W., Ph.D. Göttingen, M.Sc. Sr. Lectr.
Barnardt, J. H., D.Sc. (Bioch.) Sr. Lectr.
Rohwer, E. F. C. H., M.Sc. S.A., Dr. rer. nat. Freiburg Sr. Lectr.
Stegmann, G. F., B.Sc. S.A., M.Sc. Lectr.
Malan, H. P., M.Sc., M.Ed. Lectr.
van der Merwe, P. (Intr.) Temp. Jr. Lectr.

Classics

van Rensburg, J. P. J., M.A. Lond., M.A., D.Litt. Prof.
..... (Greek) Prof.
Smuts, F., Litt.D. Utr., M.A. Sr. Lectr.
Baumbach, Lydia, M.A. Temp. Jr. Lectr.
Hugo, A. M., B.A. Temp. Jr. Lectr.

Commerce

Schumann, C. G. W., Comm.Dr. Rotterdam, B.Sc. Prof.
Pretorius, S. J., Ph.D. Lond., M.Sc. Prof.
Vosloo, G. J., B.Comm. Pretoria Sr. Lectr.
Dempsey, W. C., M.Comm. Lectr.
Nolte, D. J., B.Comm., M.Ed. Lectr.
Smith, C. A., B.Comm. Lectr.
Schumann, D. E. W., M.Comm. Lectr.
Du Plessis, J. C., M.Comm. (Econ.) Chief Res. Officer.

Coetzee, Mrs. W. H. K., B.Comm. Temp. Lectr.

Dutch and Afrikaans

Erlank, W. J. du P., B.A. Pret. and Rand, D Litt. Pret. Prof.
Kempen, W., Litt.D. (Jan Marais Chair) Prof.
Malherbe, F. E. J , Litt D. Amst , M.A. Prof.
..... Prof.
de Villiers, M., M.A., Ph.D. Cape T. Sr Lectr.

Economics

..... (Arthur van der Lingen de Villiers Chair) Prof.
Sadie, J. L., Ec.D. Rotterdam, M.Comm. Sr. Lectr.
Marais, M D., B.Comm., B.Econ., M.A. S.A., M.A., Ph.D. Harv. Sr. Lectr.

Education

..... Prof.
Cruse, H. P., Litt.D. Amst., B.A. (History of E) Prof.
Taute, B., B.A. (Method) Prof.
Meiring, J. G., Ph.D. Leipzig, B.Sc., B.Ed. (Ped. Psych.) Prof.
Donald, M. M., M.A. Sr. Lectr.
Heese, J. de V , B.A., D.Ed. Sr. Lectr.
Uys, Miss A. M., M.A., B.Ed. Cape T. Sr. Lectr.
Badenhorst, J. L., B.A. Sr. Lectr.
Northcroft, Miss F J , B.A. S.A., M.Ed. Sr. Lectr.
Stockenström, E., B.A. Cape T., D.Phil. Sr. Lectr.
Visser, P. G , B.A. S.A., M.Ed. Lectr.
Van Heerden, E., M.A. Lectr.
Smit, J. N., B.A. Lectr.
Du Pisani, Miss E. P. (Needlework) Lectr.
Baard, Miss J. J. (Needlework) Lectr.
Pickard, Mrs. D. C., M.A. Cape T. Temp. Jr. Lectr.
Reitz, Mrs. H. K., B.A. Temp. Jr. Lectr.

Engineering

Truter, R., B.A., B.Sc Eng. Cape T. Prof.
Straszacker, R. L., M.Sc Eng. Rand, Dip Eng., Dr Eng. Charlottenburg Prof.
Heydorn, A., Dipl.Eng. Stuttgart Prof.
Sippel, J. J , B Sc.Eng Rand Sr. Lectr.
Steenkamp, W., B.Sc.Eng. Rand, S.M. Mass. Inst. Tech. Sr. Lectr.
du Toit, C. A., B.Sc.Eng. Rand Sr. Lectr.
Roediger, L. E., Dipl Eng. Munich, M.Sc.Eng. Sr. Lectr.
Olen, C. L., M.Sc.Eng. Rand Sr. Lectr.
Barnard, A. P., B Sc.Eng. Cape T. Sr. Lectr.
Toerien, L. I., B.Sc., B.Sc Eng Lectr.
Coetsee, A., B.Sc.Eng. Cape T. Lectr.
Loedolff, G. F., B.Sc., B Sc.Eng Lectr.
Uys, J. F., B.Sc.Eng Rand Lectr.
Sauermann, J. D., B.Sc.Eng Cape T. Lectr.
..... Lectr

English

Hooper, A. G., M.A., Ph.D. Leeds Prof.
..... Prof.
Walpole, V., M.A. Sheff. Temp. Sr. Lectr.
Johnman, C. K., M.A., B.Educ. Cape T. Sr. Lectr
Harvey, C. J. D., M.A. Rand Lectr.
Ravenscroft, A., M.A. Cape T. Lectr.
Patterson, Miss M. W., M.A. S.A. Lectr.
Marquard, Mrs. N. J., M.A. Oxon. Temp. Lectr.

De Wet, Mrs. J. C., B.A. Temp. Lectr.

French

Franken, J. L. M., Litt.D. Ghent, M.A. Prof.

Geography

Serton, P., Litt.D. Utr. Prof.
Conradie, D. J., D Phil. Sr. Lectr.
Nel, A., M.A. Lectr.

Geology

Scholtz, D. L , D.Sc. Prof.
Taljaard, M S , D Sc. Prof.
Brink, W. C., D.Sc. Lectr.

German

Friedlaender, E , Ph D. Stras. Prof.
Hoge, J., Ph D. Stras. Sr. Lectr.

History

Thom, H. B., D.Phil. Prof.
Wild, J. A., Ph.D. Mün., M.A. (Hist. of S. Africa) Jan Marais Prof.
van der Merwe, P. J., D.Litt. Leiden, M.A. Sr. Lectr.
Kotzé, C. R., M.A. S.A. Extraord. Lectr.

Law

Malherbe, W M. R., LL.D. Leid. Prof.
de Wet, J. C., LL.D. Stell. and Leiden, B.A. Prof.
Yeats, J. P., B.A., LL.D. Prof.
van der Westhuizen, W. M., B.A., LL.D. Sr. Lectr.
van Themaat, H. V., Dr.Jur., Dr. Jur.Pol. Leiden Extraord. Lectr.
Holleman, F. D., LL.D. Leiden Extraord. Lectr.

Mathematics and Applied Mathematics

Cillié, G. G., Jr., D.Phil. Oxon., M.Sc. Prof.
Stegmann, E. T., B.A., D.Sc. S.A. Prof.
le Roux, J. M., Ph.D. Lond., M.Sc. Prof.
Göldner, S. R. F., Ph.D. N.Y., M.Sc. Lectr.
de Villiers, A. J., B.Sc.Eng. Lectr.

Music

Fismer, Maria v. d. L. Prof.
van der Spuy, G. Z., B.Mus. Sr. Lectr.
de Villiers, P. J., B.A. Lectr.
Wandelt, Miss M Lectr.
de Villiers, Miss M. E. (Speech Training) Lectr.
Mohr, R W., B.A (Speech Training) Lectr.
Behrens, R. H., B.A., B.Mus. Lectr.
Lubbe, Miss E. H. Jr. Lectr.
de Villiers, Miss G. E. Jr. Lectr.

Philosophy, Moral and Metaphysical

Kirsten, J. F., D.Phil. Prof.
Degenaar, J. J., M.A. Lectr.

Physical Education

Craven, D. H., M.A., D.Phil. Prof.
Postma, J. W., D.Ed.Ph. Sr. Lectr.
Wieffering, C. J. Sr. Lectr.
Robra, Miss H., B.Ed.Ph. Lectr.
Kelder, J C. Lectr.
van der Merwe, J. J. R., B.Ed.Ph. Lectr.
Nel, Miss H. I., M.Sc. Wellesley Coll , Mass., B.Ed.Ph. Lectr.
Dreyer, Mrs. N., B.Ed.Ph. Temp. Lectr.

Physics

de Vos, P. J. G., D.Sc. Prof.
Cilliers, A. C., Ph.D. Frankfurt, M.Sc. Prof.
Scheffler, T. B., D.Sc. Sr. Lectr.
Harvey, S. C., B.A. Cape Lectr.
Zeeman, P. B., M.Sc. Lectr.

Physiology

Brink, H. E., D.Sc. Prof.
van Oudenhove, L. C., M.D. Ghent, Ch.M. Brussels Sr. Lectr.

Engelbrecht, F. M., M.Sc. Lectr.
Esterhuizen, A. C., M.Sc. Lectr.

Psychology

Wilcocks, R. W., Ph.D. Berl., D.C.L. Oxon., B.A. Prof.
Janse van Rensburg, J. A., M.A., D.Phil. Prof.
van der Merwe, A. B., M.A., Ch.B. Cape T., M.A., D.Phil. Prof.
Theron, P. A., M.A., D.Phil. Temp. Sr. Lectr.
van Biljon, I. J., M.A. Jr. Lectr.

Semitic Languages

Weiss, P. F. D., M.A. Pret., M.A., B.D. Prof.
Kriek, L. A., B.A. Pret. Temp. Jr. Lectr.

Social Work and Sociology

Pauw, S., M.A., D.Phil. Pret. Prof.
Theron, Miss E., M.A , D.Phil. Sr. Lectr.
Cilliers, S. P., M.A., D.Phil. Lectr.
de Villiers, J. J., M.A. (S.W.) Lectr.
du Toit, J. B., M.A. (S.W.) Jr. Lectr.

Theology

Gerdener, G. B. A., Ph.D. Gött., M.A. Prof.
van Rooyen, E. E., Th.D. Amst. Prof.
Keet, B. B., Th.Dr. Amst., M.A. Prof.
Müller, J. J., Th.Dr. Amst., D.D. S.A., M.A. Prof.
Potgieter, F. J. M., Ph.D. Cape T., Th.Dr. Amst., M.A. Prof.

Zoology

de Villiers, C. G. S., Ph.D. Zür., M.A. Prof.
du Toit, C. A., Ph.D. Cape T., M.Sc. Prof.
Grobbelaar, C. S., Ph.D. Berl., M.A. Sr. Lectr.
Malan, Miss M. E., D.Sc. Sr. Lectr.

Agriculture

Agric. Chemistry

Malherbe, I. de V., Ph.D. Mün., B.A. Prof.
Steenkamp, J. L., D Phil. Oxon., M.Sc. Prof.
Perold, I. S., D.Sc.Agric. Sr. Lectr.

Agric. Economics

van der Merwe, W. H., Ph.D. Minn., B.Sc.Agric. Prof.
van Wyk, S. P., M.A., D.Phil. Sr Lectr.

Agric Engineering

Perold, R. P., B.Sc Eng Cape T., B.Sc. Sr. Lectr.

Animal Husbandry

Reimers, J. H. W. Th , Landb. Eng. Wageningen Prof.
Swart, J. C., D.Sc.Agric Prof.

Dairy Husbandry

Smit, B. J., Ph.D. Wisc., B.A. Sr. Lectr. and Hd. of Dept.

Entomology

Potgieter, J. T., Ph.D. Ohio, M.Sc. Prof.
Joubert, C. J., M.Sc.Agric. Sr. Lectr.

Field Husbandry

Marais, J. S., Ph.D. Ill., B.A. Prof.
Sim, J. T. R., B.Sc. Ill., M.Sc. S.A., D.Sc.Agric. Prof.
Henning, P. D., D.Sc.Agric. Sr. Lectr.

Forestry

Wicht, C. L., B.A. Oxon., Dr.Ing. Dresden, B.Sc., F.R.S.S.A. Merensky Prof.
Hartwig, G. L. F., Dr. Oec. Publ. Mün., B.Sc.For. Transvaal Chamber of Mines Prof.
De Villiers, P. C. le R., B.Sc.For. Lectr.

..... Transvaal Chamber of Mines Lectr.
Williams, C. R. F., M.A., Dipl.For. Camb. Extraord. Temp. Lectr.

Genetics

Neethling, J. H., M.Sc. Cornell Prof.
Laubscher, F. X., M.Sc.Agric. Prof.

Home Economics

Louw, Miss G. J., B.Sc. (Home Ec.) Sr. Lectr.
Jooste, Miss M. E., M.Sc. (Home Ec.) Sr. Lectr.
Louw, Miss L. J., M.A. Columbia, B.Sc (Dom. Sc.) Pret. Sr. Lectr.
du Pisani, Miss E. P. Lectr.
Vos, Miss A. C., M Sc. Home Ec. Lectr.
Groenewald, Miss I. J., B.Ed. Home Ec. Lectr.
Baard, Miss J. J. Lectr.
Lombard, R. Jr. Lectr.

Plant Pathology

du Plessis, S. J., D.Sc.Agric. Prof.
du Toit, J. J., M.Sc.Agric. Lectr.

Pomology

Reinecke, O. S. H., D.Sc.Agric. S.A., B.S.A. Tor. Prof.
Nel, R. I., D.Sc.Agric. Prof.
Black, M. W., D.Sc.Agric. Prof.

Poultry Husbandry

Liebenberg, C. R., M.Sc.Agric. Sr. Lectr.

Veterinary Science

de Villiers, O. T., D.V.Sc. S.A. Lectr. and Hd. of Dept.

Viticulture

Theron, C. J., M.Sc.Agric. Prof.
de Waal, C. T., M.Sc.Agric. Lectr.

ADMINISTRATIVE OFFICERS

Asst. Registrar, H. P. Dekker, M.A., Accountant, ... 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 out of the Stellenbosch Gymnasium, which was founded in 1866, and in connexion with which the Faculties of Literature and Philosophy, Mathematics and Physics—the so-called " Arts Department " —were established in 1874. In 1881 the Arts Department was granted a charter and accorded its status and constitution as the " Stellenbosch College " by a private Act of Parliament. In 1887 (the year of the 50th anniversary of Queen Victoria's accession) Her Majesty consented to the College's being named " The Victoria College of Stellenbosch." By the University of Stellenbosch Act, No. 13 of 1916, the College, 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 Faculty of Agriculture aims at the promotion of agricultural science and the development of agriculture in the Union. Particular attention is given to the training of future farmers. By Act No. 45 of 1926, the Elsenburg School of Agriculture and the Faculty of Agriculture of the University were amalgamated to constitute " The Stellenbosch-Elsenburg College of Agriculture of the University of Stellenbosch." In accordance with this Act, the Faculty of Agriculture and Forestry " shall be for all purposes the faculty of agriculture of the University, and shall have all such rights and privileges and be subject

to all such duties as are laid down by the University of Stellenbosch Act, No. 13 of 1916." By this amalgamation the Faculty of Agriculture and Forestry 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 faculty. In close connexion with the Univ. is the Western Province Fruit Research Station of the Union Dept. of Agriculture where there are facilities for postgraduate research in all branches of fruit production and fruit and vegetable processing. Several of the staff members of the Research Station are members of the teaching staff of the Univ. The Department of Forestry is attached to the Faculty of Agriculture.

Research work forms an important part of the activities of this University. In the Departments of Educational Psychology, Psychology, Sociology, Geography, History, Agriculture, Bantu Languages, Ethnography, Afrikaans-Nederlands, Geology, Biology, Law and Economics, special attention is devoted to South African problems. Since 1923, the results of research work have been published regularly in the *Annals* of the University of Stellenbosch. The University Council also awards a special grant for the purpose of carrying on scientific investigational work.

FACULTIES. Arts (including Depts. of Bantu Studies, Ethnol. and Soc. Studies), Law, Education, Science (including Spec. Dept. of Domestic Science), Theology, Agriculture and Forestry, Commerce, Engineering.

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.Ed. in Home Economics, B.Ed.Ph., 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.; 2 yrs. postgraduate—B.Ed.; 3 yrs. postgraduate—M.Ed., B.D.; 2 yrs. after M. degree—D.Phil., D.Litt., D.Sc , 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.; 1 yr. after M.Ed. or 2 yrs. after B.Ed.—D.Ed. Courses are also provided for the Secondary Teachers' and Higher Primary Certificates; also for Certificates in Comm., Home Econ., Social Work, Vocational Training, Teaching of Special Classes, Teaching of Arts and Handicraft, Teaching of Music, Teaching of Speech Training and Dramatic Art.

FEES. Registration, £3 : 10s. p.a. (incl. sports 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, £21; for Bachelor's degree, £27; for Doctorate, £12.

PHYSICAL TRAINING. Although physical training is not compulsory the majority of the students participate actively in the different branches of sport, *i.e.* in rugby, cricket, tennis, baseball, netball, boxing, swimming and athletics. In most of these branches of sport they were able to compete successfully with other clubs.

HEALTH OF STUDENTS. Due to its mild climate the health of the students at Stellenbosch is generally very sound. The assistance of a fully trained nurse is at the disposal of all students who may require her services. Periodical inspections are conducted to ascertain the general state of health of all students in Univ. hostels.

RECREATION AND FACILITIES FOR EX-VOLUNTEER STUDENTS (EX-SERVICE MEN). The Univ. caters extensively for the needs of ex-Service men who have registered as students at this institution. Special classes and mid-term courses

have been introduced (at no extra cost to the student) and extra and individual coaching is applied to assist this type of student. Recreational facilities, sport, culture and relaxation are provided, and a special hostel has been allocated to ex-volunteer students. In general, the ex-volunteers have succeeded beyond expectations in assimilating themselves with the student body as a whole.

LIBRARIES. Christian Marais and Carnegie. 111,472 vols. and 1015 periodicals. The Univ. receives each year nearly 900 different annual and other publications.

LABORATORIES. Chemical Inst. (De Beers Building) for biochemical sciences; Merensky Building (physics); Domestic Science Building; Education Building; Physical Education Building; Agriculture Building; Laboratory and Workshop of the Fac. of Engineering.

SPECIAL EQUIPMENT, COLLECTIONS, ETC. The Dept. of Botany possesses a botanic garden and three hothouses containing a large collection of the peculiar xerophytic flora of South Africa. Herbarium. The Dept. of Agricultural Chemistry has a building and equipment for manurial pot-experiments. The Dept. of Bantu Studies is building up a collection of specimens of native art and industry. Zoological and Geological Museums. Vivarium. Pomology Dept. and Western Province Research Station for study of deciduous and other fruit trees. Viticulture Dept. for studies in wine and spirit production.

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 : 13 : 4 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.

RESIDENCE. 8 hostels for women and 5 for men can accommodate approx. 1337 students. Boarding and tuition fees approximate £140 p.a. per student.

PUBLICATIONS *The Calendar*; *The Stellenbosch Student* (by Students' Repr. Council); *Annals of the University of Stellenbosch* (by Senate), *Die Stellenbossche Oud-student* (by Senate).

THE YEAR 1949

BENEFACTIONS. Het Jan Marais Fonds, £6885; Het Jan Marais Nationale Fonds, £1398 : 18 : 11; Stellenbosch District Bank, £850; Municipality of Stellenbosch, £800; Anglo-Transvaal Consolidated Investment Co., £500; The late P. J. Roos, £500; South African Reserve Bank, £500; Western Province Coöperative Tobacco Growers, £500; other benefactions less than £500, £9327 : 3 : 10.

NEW DEPARTMENTS AND POSTS. Professorship of Applied Mathematics; Professorship of Wood Technol., Chair of Transvaal Chamber of Mines.

RETIREMENTS AND RESIGNATIONS. Prof. D. G. Franzsen (Econs.); Dr. D. van Zijl (Sociol. and Social Work); Prof. P. J. R. de Villiers (Genetics); E. K. Marsh (Forestry); P. R. Swart (Civil Eng.).

DEATHS. Prof. E. C. Pienaar (Dutch); Prof. E. J. Neethling (Forestry); Dr. W. A. Joubert (Admin. Officer).

HONORARY DEGREES. *D.Litt.*—Rev. A. A. Louw and Dr. H. H. Vedder. *M.Sc.Eng.*—J. J. Lutz.

STUDENTS. Total: 2221; full-time: 2149; pt.-time: 72; the total includes 693 women and 344 postgraduates.

DEGREES. B.A., 118; B.A. in Social Work, 35; B.Mus., 4; B.Sc., 40; B.Sc. in Dom. Sc., 4; B.Ed.Ph., 10; B.Ed. in Dom. Sc., 2; B.Sc.Agric., 51; B.Sc. in Forestry, 16; LL.B., 11; B.D., 1; B.Comm., 41; B.Sc.Eng., 31; M.A., 18; M.A. in Social Work, 2; M.Sc., 19; M.Ed., 6; M.Sc.Agric., 3; M.Comm., 1; D.Phil., 2; D.Litt., 1; D.Sc., 2; D.Ed., 2.

UNIVERSITY OF THE WITWATERSRAND
JOHANNESBURG, TRANSVAAL

Founded 1921

Address—Milner Park, Johannesburg.
Telegrams—University, Johannesburg.

CHANCELLOR—Hon. R. FEETHAM, C.M.G., M.A., LL.D.

VICE-CHANCELLOR AND PRINCIPAL—H. R. RAIKES, A.F.C., M.A. Oxon., LL D.

CHAIRMAN OF COUNCIL—P. M. ANDERSON, D.Sc. (Eng.).

PRESIDENT OF CONVOCATION—W. H. MILTON, B.Sc. (Eng.).

REGISTRAR—I. GLYN THOMAS, M.A. Oxon.

LIBRARIAN—P. FREER, B.A. Birm., F.L.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. Amsterdam Sr. Lectr.

Hattingh, S. C , M.A , D.Litt. Sr. Lectr.

Anatomy

Dart, R. A., M.Sc. Q'ld., M.D., Ch.M. Syd., F.R.S.S.Af. Prof.

Wells, L. H., M.B., B.Ch., D.Sc. Sr. Lectr.

Gillman, T., M.Sc., M.B., B.Ch. Sr. Lectr.

Gilbert, Christine, D.Sc. Lectr.

Wright, M. K., M.Sc., M.B., B.Ch. Lectr.

Cohen, S., M.B., B.Ch. Lectr.

Oettle, A. G., B.Sc., M.B., B.Ch. Lectr.

Macgregor, A L , M.B., Ch.M. Edin., F.R.C.S. Hon. Demr.

6 Pt.-time Lectrs., 2 Lab. Techns.

Archæology

van Riet Lowe, C., D.Sc. Cape T., F.R.S.S.Af. Prof.

Brueil, Abbé H., O. Lég. d'H., D.Litt. Camb., LL.D. Edin., D.Sc. Oxon. and Cape T. Hon. Prof.

Malan, B. D., B.A. Cape, F.S.A. Pt.-time Lectr.

Architecture and Quantity Surveying

Fassler, J., B.Arch. Prof.

Howie, W. D., B.Arch. Sr. Lectr.

Shunn, J., B.Arch. Lectr.

Herbert, G., B.Arch. Lectr.

Tomaselli, U., B.Arch. Lectr.

Castleton, J. Pt.-time Lectr.

Milford, R. B., B.Sc. (Q.S.) Pt.-time Lectr.

Pinfold, H. C. Temp. Lectr.

Bantu Studies

Doke, C. M., M.A. S A., Diploma Compar. Bantu Lond , D.Litt. 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.
Cole, D. T., B.A. Lectr.
Longmore, Laura, M.A. Cape T. Lectr.
Rheinallt-Jones, J. D., M.A. (Race Relations) Hon. Lectr.
Mncube, F. S. M., B.A. Language Asst.
Nyembezi, L. C. C., B.A. Language Asst
Mofokeng, S M , B A Language Asst.

Botany

Badenhuizen, N. P., Ph D. Amsterdam Prof.
Gilliland, H. B., B.Sc. Edin., D.Sc., F L.S. Sr. Lectr.
Roux, E., Ph D. Camb , M Sc. (Plant Physiol) Sr Lectr.
Hancock, Florence D., M.Sc. Lectr.
Davidson, R. L., B.Sc. Lectr.
Krupko, S., Ph.D. Warsaw Lectr.
2 Temp. Lectrs., 1 Lab. Techn.

Chemistry and Chem. Engineering

Stephen, H., O.B.E., D.Sc. Manc., F.R.I.C. Prof.
Backeberg, O. G., M.A. Oxon., D.Sc., F.R.I.C. Sr. Lectr.
Israelstam, S. S., M.Sc., F.R.I.C. Sr. Lectr.
Hawke, F., D.Sc. (Eng.) Sr. Lectr.
Arnold, R., M.Sc. Lectr.
Marais, J. L. C., M.Sc. Lectr.
Murray, K. A., M.Sc. Lectr.
Schoeman, D. J., M.Sc. (Eng.) Lectr.
Simpson, J. D., M.Sc. Lectr.

Classics

Haarhoff, T. J., B.A. Cape, B.Litt. Oxon., Litt.D. Amst. Prof.
Acheson, G. J., M.A. Oxon. Sr. Lectr.
Davis, S., M.A. Camb , D.Litt. Sr. Lectr.
Naude, C. P. T., B.A. Oxon , M.A. Lectr.
Lagouros, A., B.A. Constantinople Lectr.
Thorpe, A. Tut. Asst.

Commerce and Applied Economics

Richards, C. S., M.Com. Durh., D.Sc. Prof.
Wimble, B. J. S. (Accounting) Prof.
Laight, J. C., B.Com., F.C.I S. Sr. Lectr.
Macgregor, I. H. Sr. Lectr.
Cairns, T., B.Com. Cape T. 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. Berlin Prof.
Samuels, L. H., B.Com. Lectr.
Rudkin, W. C., B.Sc. (Econ.) Lond. Lectr.
Welsh, Anne, B.A. Oxon. Lectr.
1 Pt.-time Lectr.

Education

Lighton, E., M.A. Pret. Hon. Prof.
MacMillan, R. G., M.A., B.Sc. S.A. Lectr.

Engineering, v. *infra*

English

Greig, J. Y. T., M.A., D.Litt. Glas. Prof.
Warner, A. J., M.A. Camb. Sr. Lectr.

van Heyningen, Christina, B.A. Oxon., M.A. Stell. Sr. Lectr.
Macauley, Sheila, B.A. Lectr.
Butler, F. G., M.A. S.A., B.A. Oxon. Lectr.
Girling, H. K., B.A. Oxon. Lectr.
Geffen, Zoe N, B.A., M Litt. Camb. Lectr.

Fine Arts

Martienssen, Heather, B.Arch., M.A, Ph D Lond. Lectr.
Long, Marjorie K., B.A. (Fine Arts) S.A. Lectr.
3 Pt.-time Lectrs.

French and Romance

Maillard, Denyse, B.A. Ohio, Ph.D. Paris Lectr.
1 Temp. Lectr.

Geography

Wellington, J. H., M.C., M.A. Camb. Prof.
Jackson, S P., M.A., D.I.C. Lond. Sr. Lectr.
Cole, Monica M., Ph.D. Lond. Lectr.

Geology

Gevers, T W, M.A, D.Sc. Cape T., Dr phil. Munich Prof.
Mendelssohn, E., M.A. Harv., M.Sc. Sr. Lectr.
Dunne, J. C., D.Phil. Zürich, B.Sc. Lectr.
Fockema, R. A. P., M.Sc. Pret. Lectr.
Little, Jeanne de V., M.Sc. Cape T. Lectr.
1 Lab. Asst.

German

Krige, J. D. A., M.A. Cape, Ph.D. Ghent Prof.
Gimkey, S. F., M.Sc. (Eng.) (G. for Engineering Students) Pt.-time Asst.
Pienaar, P. de V., Ph.D. Hamburg, M.A. (Phonetics) Hon Lectr.

Hebrew

Rabinowitz, L. I., M.A., Ph.D. Lond. Prof.
Rappaport, S., Ph.D. Vienna Lectr.

History

Marais, J. S., M.A. Cape T, B.A., D.Phil. Oxon. Prof.
Keppel-Jones, A. M., M.A. Oxon., Ph.D. Cape T. Sr. Lectr.
Horton, J. W., B.Litt. Oxon. Lectr.

Law, v. also Bantu Studies

Hahlo, H. R., Dr.Jur Halle, LL.B. Prof.
Burchell, E. M., B.A. Oxon., LL.B. S.A. Prof.
Scholtens, J. E., Dr.Jur. Amsterdam Prof.
Kahn, E, B.Com., LL.B. Sr. Lectr.
4 Pt.-time Lectrs.

Mathematics, Actuarial Science and Statistics

Hyslop, J. M., M A., D.Sc. Glas., B.A., Ph.D. Camb. Prof.
Kerrich, J E, M.Sc., Dip. Act. Math. Edin., F.R.A.S. Sr. Lectr.
Young, F., M.A., Dip Act. Math. Sr. Lectr.
Welter, C. P., M.Sc. Sr. Lectr.
Weigert, H., M.Sc. Stell. Lectr.
Tannenbaum, B., M A Columbia, B.Sc. Lectr.
Berg-Sonne, N., M.Sc. Copenhagen Lectr.
Harington, Catherine F., B.Sc. Lectr.

Mathematics, Applied

Le May, H., M.A., B.Sc. Glas. Prof.
Bleksley, A. E. H., M.Sc. Stell., D.Sc. Sr. Lectr.
Oliver, H. O., M.Sc. Stell. Lectr.
Kuperman, I. B. Z., M.Sc. Cape T. Lectr.

Medicine, v. *infra*

Metallurgy, v. Engineering, *infra*

Mining, Engineering and Surveying, v. Engineering, *infra*

Music and History of Music

Kirby, P. R., M.A. Aberd., D.Litt., F.R.C.M., F.R.A.I. Prof.
Paff, W. P., Ph.D. Sr. Lectr.
11 Instrs. (Pt.-time).

Philosophy

White, A. K , M A. Glas. Prof.
Harris, E. E., M.A. S.A., B.Litt. Oxon. Lectr.
Livingstone, D. S., M.A. Durh. Lectr.
Yourgrou, W., Dr.Phil. Berlin Temp. Lectr.

Phonetics and Logopedics

Pienaar, P. de V , Ph.D. Hamburg, M.A. Prof.
van der Horst, C. J , D.Sc. Amst. Prof. and Hon. Lectr. (Comp. Anat. of Speech Organs).
Clemons, A. B , LL B. Sask., M.A. Iowa Lectr.
Breckwoldt, G. H., Ph.D. Hamburg Lectr.
Penn, R., B.A., Dip. Logoped. Supervising Clinician.

Physics

Evans, G. T. R., B.Sc. Wales, F.I.P. Prof.
Cooper, M. A., M Sc , Ph.D. S.A., F.Inst.P. Sr. Lectr.
Wiles, G. G., M.Sc. S.A., D.Phil. Oxon. Sr. Lectr.
Logie, H. J., D.Sc. Lectr.
Aarts, W. H., M.Sc. Cape T. Lectr.
Kushlick, I., M.Sc. Cape T. Lectr.
Brommert, J. W., B.Sc. Lectr.
1 Instrument Maker, 1 Lecture Asst., 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.
Van Zyl, A. Lectr.
Kaplan, S. A., M.B., B.Ch. Temp. Lectr.
Walker, Sonia E., Ph.D. Camb., M.Sc. Temp. Lectr.
Bloomberg, B. M., B.Sc., M.D., B.Ch., D.T.M. & H. Pt.-time Lectr.
Glyn Thomas, Mary, B.Sc. Lond. Pt.-time Lectr.
2 Lab. Technicians.

Psychology

MacCrone, I. D., M.A. Cape T. and Oxon., D.Phil. Prof.
Warffemius, C. A. L., B.A. Sr. Lectr.
Starfield, Anita, M.A. Cape T. Temp. Lectr.
1 Pt.-time Lectr.

Social Studies

Wagner, O., M.A. Cape T., D.Phil. Stell. Prof.
Sonnabend, H., D.Sc. Padua Sr. Lectr.
Muller, Mrs. C., B.A. (Soc. Sc.) Stell. Lectr.
1 Hon. Lectr., 1 Hon. Tutor.

Zoology and Comparative Anat.

van der Horst, C. J., D.Sc. Amsterdam Prof.
Bolwig, Niels, D.Sc. Copenhagen Sr. Lectr.
Hovy, J. W. H., Cand.Biol. Utrecht Lectr.
Kniep, Margaret, M.Sc. S.A. Lectr.
Nolte, D. J., M.Sc. Pret. Lectr.
Kalk, Margaret J., B.Sc. Lond. Lectr.
Balinsky, B., D.Sc. Kiev Lectr.
1 Hon. Lectr., 1 Sr. Lab. Techn.

Engineering

v. also Architecture, Chem. and Chemical Engin., *supra*

Civil Engineering

Sutton, W. G., B.A., B.Sc. (Eng.) Cape T. Prof.
Ockleston, A. J., B.E.N.Z., Ph.D. Bristol Sr. Lectr.
Clarke, C. H., B.Sc., B.E. Syd. Sr. Lectr.

King, W. H., B.Sc. (Eng.) Durh., B.A. (Admin.) Manc. Lectr.
Ventress, R. G., B.Sc. (Eng.) Lond. Lectr.
Hopkins, D., B.Sc. (Eng.), Cape T. Lectr.
1 Lab. Techn.

Electrical Engineering

Bozzoli, G. R., D Sc. (Eng.) Prof.
Goldsmith, A., B.A. Cape, B.Sc. (Eng.) Sr. Lectr.
Cormack, W , B.Sc. (Eng) Cape T., D Sc Sr. Lectr.
Webb, V. L., B.Sc. (Eng.) Lectr.
Heymann, F. G., M.Sc. (Eng.) Lectr.
Hoffenberg, M. S , M.Sc. (Eng.). Lectr.
Kitai, R., M.Sc. (Eng.) Lectr.
1 Sr. Lab. Techn.

Mechanical Engineering

Walker, W. J., D.Sc. (Eng.), Ph.D. St. And. De Beers Prof.
Gimkey, S. F., M.Sc. (Eng.) Sr. Lectr.
Jensen, A. E., B.Sc. Lond., M.Sc. (Eng.) Sr. Lectr.
Drysdale, J. Lectr.
de Beer, F. A. H., Dip.Ing. Hanover, Dr. rer. Pol. Berlin Lectr.
Troye, A. D., B.Sc. (Eng.) Lectr.
Rallis, C. J., M.Sc. (Eng.) Lectr.
Seawright, R. M. F., B.Sc. (Eng.) Hon. Lectr.
van der Merwe, G. J., B.Sc. (Eng.) S.A. Engineer in Charge of Workshops.
1 Sr. Lab. Techn., 1 Temp. Lectr.

Metallurgy

Taverner, L., D.I.C. Prof.
Millin, D., B.A. Cape, F.R.I.C. Sr. Lectr.
Leyman, R. E., B.Sc. (Met.) Wales Sr. Lectr.
Siff, A., M.A. Cape T. Lectr.
le Roux, D. B., B.Sc. (Eng.) Lectr.

Mining Engineering and Surveying

Jeppe, C. W. B., D.I.C., M.Sc. (Eng.) De Beers Prof
Creewell, P. A. Sr. Asst.
Edwards, E. P., B.Sc. Lond. (Mining E.) Sr. Lectr.
Edwards, T., B.Sc. Lond. Sr. Lectr.
Freislich, J. G., B.Sc. (Eng.) (Surveying) Sr. Lectr.
Lauf, G. B., B.Sc. (Eng.) (Surveying) Sr. Lectr.

Medicine

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

Anæsthetics

Nicholson, J. C., M.B., Ch.B. Manc., D.A. Eng. Lectr.

Hon. Demonstrator

Fisher, M., M.B., Ch.B., D.T.M., D.A. Liv.

Hon. Asst. Demonstrators

Feldman, D., M.B., B.Ch.
Becker, C.
Hoffmann, S., M.B., B.Ch.
Newbold, V. M., M.B., B.S. Melb.
Ginsberg, H., M.B., B.Ch.
Frost, C., M.B., B.Ch.
Segal, B , M.B., B.Ch.
Samson, H. H.

Bacteriology and Parasitology

Chatgidakis, C. B., M.B., B.Ch., D.P.H., D.T.M. Sr. Lectr.
Siew, S., M.B., B.Ch. Lectr.
Proctor, N. S., M.B., B.Ch. Lectr.
Webster, I., B.Sc., M.B., B.Ch. Lectr.
1 Lab. Techn.

Diseases of Children

Mellé, B. G., B.A. Cape, M.A., B.M., B.Ch. Oxon., F.R.C.S. Ed. Lectr. and Clin. Lectr.
Strawbaun, A. E. Asst. Clin. Lectr. to Non-European Students.

Heymann, S. C., M.B., B.Ch. Hon. Asst. Clin. Lectr.

Diseases of Children, Surgical

Tucker, M. K., M B., Ch.B. Cape T., F R.C.S.Ed. Sr. Clin. Lectr.

Forster, H. P., B.Sc. Oxon., M.B., Ch B. Cape T , F.R C.S.Ed. Hon. Clin. Tutor.

Diseases of the Skin

Gluckman, I. Lectr. and Clin. Lectr.

Evans, H. Asst. Clin. Lectr. to Non-European Students.

Dispensary Practice

Sax, S., M.B , B Ch. Tutor.

Greenman, G., M.B., B.Ch. Tutor.

Ear, Nose and Throat, Dis. of

Klugman, D. H., F.R.C.S.Ed. Sr. Clin. Lectr.

Pienaar, J. A., B.A. Cape T., M.D., Ch B Edin Hon Clin Lectr.

Kerr, W. A., D.L.O. Clin Lectr.

Jacobson, L. Asst. Clin. Lectr.

Jackson, M., F.R.C.S.Ed., D.L.O. Asst. Clin. Lectr.

Fox, G. M. Asst. Clin. Lectr.

Eye, Diseases of the

Franks, M , M B., B.Ch , F.R.C.S. Ed , D.O.M.S. Lond. Sr. Clin. Lectr.

Marais, I., M.B., B.Ch. Dub., D.O.M.S. Lond. Clin. Lectr.

Fine, M., D.O M.S. Lond. Asst. Clin. Lectr.

Staz, L., B.A., M.B., Ch.B. Dub., D.O.M.S. Lond. Asst. Clin. Lectr.

Forensic Medicine

Mackintosh, R. H. Hon. Prof.

Friedman, J., M.B., B.Ch., D.P.H. Lectr.

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.

Durbach, D 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

Gear, J. H., B.Sc., M.B., B.Ch., D T.M. & H Sr. full-time Asst.

van Lingen, B., M B , B Ch. Sr Lectr.

Ordman, B , B.A S.A., M.B., B.Ch. Liv Sr Lectr.

Lopis, S , M D. Sr Lectr.

Morris, R. W., M D. Lectr.

Kaplan, S., M.D. Lectr.

Welsh, I. B., B.Sc., M B., B.Ch. Lectr.

Sr. Clinical Lecturers

Balkin, I. J., M.B., Ch.B. Edin.

Heimann, H. L., M.D. Lond.

Suzman, M. M., M.D. Durh.

Clinical Lecturers

Agranat, A. L., M.D. Dub., D.T.M. & H.

Baynash, J. B., M.D., D.T.M. & H. Liv.

Menof, P., M.B., B.Ch.

Bell, J. A., M.B., Ch.B., F.R.C.P. & S. Glas.

Asst. Clinical Lecturers

Reid, F. P., M.B., Ch.B. Edin.

Posel, M. M., M.D. Lond.

Bayer, P., M.D. Aberd.

Schneider, T., M.B., B.Ch.

Clinical Tutors

Duthie, C., M.D.

Jacobson, S. P.

Rabinowitz, A., M.D.

Ruskin, H. D., M.B., B.Ch.

Asst. Clinical Tutors

McLeish, G. R., M.D.

Craig-Cochrane, J., B.Sc., M.B., B.Ch., M.D. Lond.
Malk, M.
Jackson, A., B.Chir., M.B. Camb.

Medicine, Physical

Woolf, E. B. Lectr.
Haden, H., M.B., B.Ch. Hon. Asst. Lectr.

Neurology

Geerling, R., M.D. Amst. Sr Lectr. and Clin. Lectr.
Katz, S. M., M.D., Ch.B. Liv. Asst Clin. Lectr

Nursing Education

Pietersen, Johanna, M.B , Ch B. Edin , D P.H. Actg. Hd of Sub-Dept.
Stow, Heather F., D.N. (Nursing School Admin.) Lectr.
Pledger, H. C. G., Dip Home Sci. N.Z. (Dietetics and Kitchen Management) Lectr.
Epstein, E. P., D.N. (Hist. of Nursing and Nursing Ethics) Lectr.
Stephen, Theodora, M.Sc. (Chemistry and Physics) Lectr.
Macmillan, R. G., M.A., B.Sc. S A. (Psychol.) Lectr.

Obstetrics and Gynæcology

Heyns, O. S , M.A , B.Sc. Cape T., D.Sc., F.R.C.O.G. Prof.
Charlewood, G. P., M.B., Ch.B. Cape, F.R.C.S.Ed. Sr. full-time Asst.
van Dongen, L. G. R., M.Sc., M.B., B.Ch. Lectr.
Daubenton, F., B.Sc., M.B., B.Ch. Lectr.
Naylor, A. C., M.B., B.Ch. Lectr.
Krige, C. F., M.A., M.B., B.Ch. Oxon., F.R.C.S.Ed. Sr. Clin. Lectr.

Clinical Lecturers

Schabort, J. W., M.D., B.S. Lond.
Boyd, A., F.R.C.S.Ed.
Peltz, P. I., F.R.C.S.Ed.

Asst. Clinical Lecturers

Cohen, S. J., M.B., B.Ch., F.R.C.S. Ed.
Broido, A.
4 Tutors, 1 Sr. Lab. Techn.

Occupational Therapy

Haden, H., M B., B.Ch. Hd. of Sub-Dept.
Barber, Kathleen Lectr.
McArthur, Isobel Lectr.

Orthopædics

Edelstein, J. M , M.B., Ch.B. Edin., M.Ch.Orth. Liv., F.R.C.S Ed. Sr. Clin. Lectr.
du Toit, G. T., F.R C.S. Clin. Lectr.
Moller, C. T., M.B., B.Ch., F.R.C.S. Hon. Clin. Tutor.
Reitz, H., M.B., B.Ch., Ch M. Hon. Clin. Tutor.

Pathology

Becker, B. J. P., M.B., B.Ch., D.P.H., D.T. & H. Acting Hd of Dept.
Chatgidakis, C. B., M.B., B.Ch., D.P.H., D.T.M. & H. Sr. Lectr.
Siew, S., M.B., B.Ch. Lectr.
1 Lab. Techn.

Pathology, Clinical

Stein, H. B., M.Sc., M.B., B.Ch., D.P.H. Sr. Lectr.
Griffiths, S. B., M.B., Ch.B. Cape Sr. Lectr.
Holman, S., B.Sc., M.B., B.Ch. Lectr.

Pathology, Surgical

Colsen, K., M.D. Berlin, M.B., B.Ch. Lectr.

Pharmacology and Therapeutics

Watt, J. M., M.B., Ch.B. Edin. Prof.
Stephen-Lewis, Florence V., M.Sc. Vict., M.D. Manc. Lectr.
Brown, Margaret, M.B., Ch.B. Edin. Lectr.

Physiotherapy

Haden, H., M.B., B.Ch. Hd. of Sub-Dept.
Dreyer, Tilly, B.Sc., M.B., B.Ch. Lectr.
Blair, Jean Lectr.
Limerick, Kathleen Lectr.
Cullen, Agnes.
3 Assts., 4 Hon. Lectrs.
The teaching in this dept. is also contributed to by the staffs of the Depts. of Physics, Chem., Zool., Anat., Physiol., Surgery, and Gynæcol. and Obstetrics.

Plastic, Maxillo-Facial and Oral Surgery

.....
Sir Ernest and Lady Oppenheimer Prof.
Brown, L. J. Lectr.
4 Hon. Lectrs.

Preventive Medicine

Cluver, E. H., B.A. Cape, M.A., D.M., B.Ch. Oxon., D.P.H. Lond. Prof.
Pietersen, Johanna V., M.B., Ch.B. Edin., D.P.H. Lectr.
Gear, J. H. S., B.Sc., M.B., B.Ch., D.P.H., D.T.M. & H., Dip.Bact. Lond. Lectr.
Amies, C. R., M.D., B.S. Lond, D.T.M. & H. Eng. Lectr.
Eagle, P. C., M.B, Ch.B. Cape T, D.P.H. Lectr.
Annecke, S. Lectr.
De Meillon, B., D.Sc., F.R.E.S. Lectr.
Fox, F. W., D.Sc. Lond. Lectr.

Psychiatry and Mental Hygiene

Twomey, J. C., M.D., Ch.B., D.P.H. Liv. Prof.
Pienaar, B. P., M.B., B.Ch. Dub. Clin. Lectr.
du Toit, Felix, M.B., Ch.B. Edin. Hon. Clin. Lectr.
Katz, S. M., M.D., Ch.B. Liv. Hon. Clin. Lectr.
Cox, Alice, M.B.E., M.D., Ch.B. Edin Hon. Clin. Lectr.

Radiology [Lectr.
Jacobson, J. N, D.M.R.E. Camb.
Kaye, J., D.M.R. Cape T. Lectr.

Surgery

Underwood, W. E., O B.E., M.A., M.B., B.Chir. Camb., F.R.C.S. Prof.
Crawshaw, G. R., B.Sc., M.B., Ch.B. Manc., F.R.C.S. Sr Profl. Asst.
Girdwood, W., M.B, Ch.M. Sr. Lectr.
Fleming, R. J., M.B., B.Ch. Sr. Lectr.
Kark, W., M.B., B.Ch. Sr. Lectr.
Lewin, B., M.B., Ch B. Cape Sr. Lectr.
Mace-David, L., M.B., B.Ch. Sr. Lectr.
Louw, E. R., M.B, B.Ch. Lectr.
Satchwell, L. M., M B., B.Ch. Lectr.

Sr. Clinical Lecturers

Douglas, J. A., M.D., Ch.B. Edin., F.R.C.S.Ed.
McGregor, A. Lee, M B., Ch.M. Edin., F.R.C.S.
Tucker, M. K., M.B., Ch.B. Cape T., F.R.C.S.Ed.

Clinical Lecturers

Almond, R. L., M.B., B.S. Melb., F.R.C.S Ed.
Trubshaw, W. H. D., F R C.S.
Ingram-Clark, C. T., M.B., F.R.C.S. Ed.
Wolfowitz, J., M.B., B.Ch., F.R.C.S.Ed.

Asst. Clinical Lecturers

Trehair, E. B. H., M.B., B.Ch., F.R.C.S.
Pencharz, N., M.B., Ch.B., F.R.C.S.Ed.
Fleming, R. J., M.B., B.Ch., F.R.C.S.Ed.
Dreosti, A. E., M.B., Ch.B. Cape T., F.R.C.S.
1 Lab. Techn.

Systematic Surgery

Underwood, W. E., M.A., M.B., B.Chir. Camb., F.R.C.S. Prof.

Tropical Medicine

Gear, J. H. S., B.Sc., M.B., B.Ch., D.P.H., D.T.M. & H., Dipl. Bact. Lond. Lectr.

Urology

Brayshaw, H. C., M.B., Ch.B. Edin., F.R.C.S. Eng. and Ed Sr. Clin. Lectr.

Thomson, G. C., M.B., B.Ch. Clin. Lectr.

Hoffmann, S. J., M.B., B.Ch., F.R.C.S.Ed. Asst. Clin. Lectr.

Venereal Diseases

Sieff, B., M B., B.Ch. Sr. Clin. Lectr.

Robins, A. Asst. Clin. Lectr.

Frootko, J. I. H., M.D Asst. Clin. Lectr.

Dentistry

(for subjects of first 2 yrs.—Anat., etc.—and for other subjects common to D. and Medicine—*e.g.* Pathology—v. *supra*)

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.

Conservative Operative D.

Shepherd, G. F., L.D.S. Liv. Prof.

D. Anæsthetics

Fisher, M., M.B., Ch.B. Liv., D.A. Lectr. and Clin. Lectr.

Hood, D. R., L.D.S. Glas. Lectr. and Clin. Lectr.

Bentel, H., M.B., B.Ch. Clin. Lectr.

Frost, C., M.B., B.Ch. Clin. Lectr.

D. Ethics and Jurisprudence

Shaw, J. C. M., M.A., B.Dent.Sc. Dub., D.D.S. Hon. Lectr.

D. Histopathology

Staz, J., D.D.S., H.D.D. Glas. Prof.

D. Materia Medica

Breyer, J. H., Tandarts Utrecht Lectr. and Clin. Lectr.

D. Mechanics

Ryan, J., L.D.S. Glas. Lectr. and Demr.

D. Pathology

Staz, J., D.D.S., H.D.D. Glas. Prof.

D. Prosthetics

Hossack, F. A., L.D.S. Glas. Prof.

D. Radiology

Abrams, M., L.D.S. Liv Clin. Lectr.

D. Surgery

Staz, J., D.D.S., H.D.D. Glas. Prof.

D. Therapeutics

Breyer, J. H., Tandarts Utrecht Lectr. and Clin. Lectr.

Maxillo-Facial and Oral Surgery

Brown, L. J. Lectr.

Orthodontia

Bëan, N., B.D.S. Lectr. and Clin. Lectr.

Public D.

Laing, Jean, L.D.S., D.P.D. St. And. Hon. Lectr.

37 Hon. Clin. Lectrs. in Operative, Conservative or Prosthetic Dentistry.

1 Demr. in Histol. and Histopathol.

6 Dental Mechanicians.

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.

LIBRARY STAFF. P. Freer, B.A. Birm., F.L.A. (Librarian); Elizabeth Hartmann, B.A., F.L.A. (Deputy Librarian); Mavis E. G. Anderson, B.A. Bristol, London Sch. of Librarianship Dip., F.L.A.; in charge of Orders, Cataloguing and Classification (Assistant Librarian); I. Isaacson, B.A., F.S.A.L.A.; in charge of Periodicals, Official Publications and Binding (Assistant Librarian); Phyllis E. Krige, B.A., F.S.A.L.A.; in charge of the Witwatersrand Medical Library (Assistant Librarian); E. J. Belton, B.A. Oxon. (Assistant Librarian); 10 Assistants.

ADMINISTRATIVE STAFF

J. B. Andrews, Accounting Officer; A. de V. Herholdt, B.Com., Asst. Registrar; D. A. Dodds, Asst. Accounting Officer; R. K. L. Moore, B.Arch., Maintenance Architect.

GENERAL INFORMATION

For early history, *see Yearbook* for 1929, p. 518. In 1921 University College, Johannesburg, was reincorporated as the University of 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 Cons. 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 and lay-out up to Dec. 31, 1949; amounted to £1,349,060. LIBRARIES: Central, and several departmental. MUSEUMS: Several departmental.

FACULTIES. Arts, Sc., Med., Engin., Comm., Law, Dentistry, Architecture.

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; D.Litt., Ph.D., LL.D. or D.Sc., Thesis; M.Ed., Thesis; B. Com., 3 yrs.; M.Com., Examn. and Thesis; B.Sc. (Eng.), 4 yrs.; M.Sc. (Eng.), D.Sc. (Eng.), Thesis; B.Sc. Q.S., 5 yrs.; B.Arch., 5 yrs.; M.Arch., Thesis; LL.B., 3 yrs. (postgrad.); LL.M., LL.D., Thesis; B.Sc. Physiotherapy, 4 yrs.; M.B., B.Ch., 6 yrs.; M.D. or Ch.M., Thesis and Examn.; B.D.S., 5 yrs.; D.D.S., Thesis.

DIPLOMAS. Native Affairs; Geog.; Music; Social Work; Clinical Pathol.; Anæsthetics; Forensic Med.; Public Health; Tropical Med. and Hyg.; Psychol. Med.; Ophthalmic Med. and Surg.; Physical Med.; Nursing; Midwifery; Social Nursing; Nursing Admin.; Occupational Therapy; Actuarial Maths.; Economics of Local Govt. and Pub. Admin.; Pub. Dentistry; Archit.; Quantity Surveying; Town Planning; Community Organization.

COURSES for Teachers' Certificates; Law Certif.; Civil Service Law Examn.; Land Surveying; Professional Examns. in Accounting and Auditing.

FEES from £186 (B.A.) to £486 (M.B., B.Ch.).

SCHOLARSHIPS FOR GRADUATES. Chamber of Mines, £350 for 1 yr.; Adolph Wagner (Engin.), £170 tenable in S. Africa or overseas; University Council,

2 of £225 for 2 yrs.; Witwatersrand Council of Education, 2 of £250 for 2 yrs.; 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; Beit Railway Trust, Engineering; H. B. Webb, £300 for 2 yrs.; Union Government, 2 of £225 p.a. for 2 yrs.; The Mellor, £250 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.; The Concrete Association of South Africa for Research in Highway Eng., £250 p.a.; The Iscor-Satmar for Research in Road Engineering, £320 p.a.; Sir Herbert Baker, £300; Rhodes, £400 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); Hamilton Bequest, £300 p.a.; v. also Introductory Chapter. Red Cross Caledonian Market postgraduate scholarship for African (Bantu) graduates in Medicine (Endowment of £5000).

RESIDENCE. Hostels for 180 men ("civilian" students), 350 ex-Service men, 135 women (including ex-Service women), 30 non-European or African Medical students. Charges, £84 p.a. for "civilian" students, £72 p.a. for single ex-Service men, £192 p.a. for married ex-Service men.

UNIV. EXTENSION. Public lectures under joint auspices of Univ. and W.E.A. Afternoon and evening courses for teachers and others in regular employment, who may by attending them qualify for B.A. degree (4 yrs.). Part-time course for B.Com. (4 yrs.).

PUBLICATIONS. *Calendar*; *Bantu Studies*; *S.A. Journal of Medical Sciences.*

THE YEAR 1949

BENEFACTIONS. The late J. H. Hofmeyr, £10,000, and his mother, £5000, the capital amount to be invested and interest applied at the discretion of the Univ., for the study of Classics; S. G. Menell, £5000; Dr. J. H. Dobson, £1000; The Red Cross Caledonian Market, £5000 for the establishment of a postgraduate scholp. for African (Bantu) graduates in Med.; Estate of the late Miss Pellatt, £2540 for the Wing-Commander Harte Memorial; Estate of the late Abraham Sive, £100.

CHANGES IN REGULATIONS. Regulations were approved for the introduction of the Ph.D. degree in the Fac. of Arts, Science and Engin. The degree of Bachelor of Science in Soil Conservation and the Diploma in Music were placed in abeyance with effect from Jan. 1, 1950. The Diplomas in German, Bantu Studies, Philos., Logopedics and Social Work were abolished.

EXTRA-MURAL WORK. Members of staff served on the following public bodies: Johannesburg Hosp. Board, S.A. Inst. of Race Relations, S.A. Assoc. for the Advancement of Sci., S.A. Entomological Soc., S.A. Blood Transfusion Service, S.A. Library Assoc., Economic Soc. of S.A., Historical Monuments Commission, S. African Medical and Dental Council, National Health Council, Jt. Matriculation Board, Transvaal Assoc. of Non-European Boys' Clubs, Associated Scientific and Technical Socs. of S.A., Consultative Cttee. of the Johannesburg Public Library, Consultative Cttee. of the Johannesburg Municipal Museum, Afrikana Museum Consultative Cttee., Transvaal Workers' Educational Assoc., Juvenile Affairs Board, S.A. Inst. of Engineers, Transvaal Soc. of Accountants, Leprosy Advisory Cttee., Public Hospitals' Advisory Cttee., St. John's Ambulance Assoc.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Dr. J. Dover Wilson,

Regius Prof. of Rhetoric and English Lit., Edinburgh, " The Prince of Denmark " ; Prof. J. Waterink, Amsterdam, " Moeilikhede in die Puberteitsjare."

RETIREMENTS. Prof. A. D. Stammers (Physiology) and Prof. G. Buchanan (Clin. Pathol.).

RESIGNATIONS. Prof. T. Williams (Educn.), on appt. as Dir. of European Educn., Northern Rhodesia ; Dr. N. S. F. Proctor (Pathol.), on appt. to S.A.I.M.R. ; Dr. G. Spence Smyth (Obstetrics and Gynæcol.) ; Dr. E. E. Goldschmidt (Electrical Engin.) ; F. W. Hampton (Physiol.), on appt. to an Industrial research post ; H. E. Huntley (Physics), on appt. as Sr. Lectr., Univ. Coll. of the Gold Coast, W. Africa ; Dr. J. Lannon (Anat), on appt. as pt.-time Asst. Surgeon, Children's Hospital, Johannesburg ; Dr. J. L. McCracken (History), on gaining Sir Robert Wood Studentship, Trinity College, Dublin ; Dr. P. Mihalik (Anat.), on appt. to Univ. of Pretoria ; Dr. L. J. Reyna (Psychol.), returned to U.S.A. ; Dr. D. B. Sears (Maths.), on appt. as Prof., Univ. of Cape Town ; Dr. H. Stern (Anat.), on appt. to Rockefeller Inst. of Med. Res. ; Mrs. A. E. Thomas (Physics).

DEATHS. Prof. A. S. Strachan (Pathol.), Dr. D. Mierowsky (Hebrew) ; D. E. Pilcher (Archit.).

HONORARY DEGREES. *D.Litt.*—Prof. J. J. Smith, Afrikaans linguist. *D.Sc.*—Dr. P. J. du Toit, Pres. African Regional Scientific Conference ; Sir Ben Lockspeiser, leader of the British delegation at the Conference ; Prof. A. A. E. M. Correia, leader of the Portuguese delegation at the Conference ; Prof. J. Millot, leader of the French delegation at the Conference ; Prof. P. Staner, leader of the Belgian delegation at the Conference ; Dr. D. M. S. Watson, zoologist and palæontologist. *M.D.*—Sir Edward Mellanby, member of the British delegation at the African Regional Scientific Conference. *LL.D.*—Field-Marshal Earl Wavell ; The Hon. Richard Feetham, Chancellor of the Univ. ; Mrs. Agnes W. Hoernle, Social Anthropologist.

STUDENTS. Total : 4494 ; full-time : 3567 ; pt.-time : 927 ; the total includes 751 women and 285 postgraduates.

DEGREES. D.Litt., 3 ; Ph.D., 4 ; M.A., 4 ; B.A. (Hons.), 22 ; B.A., 110 ; B.A. (Hons.) Fine Arts, 1 ; B.A. Logopedics, 8 ; B.A. Social Studies, 14 ; B.Mus., 4 ; M.Ed., 1 ; LL.B., 19 ; D.Sc., 5 ; M.Sc., 3 ; B.Sc. (Hons.), 15 ; B.Sc., 77 ; B.Sc. Soil Conservation, 116 ; Ch.M., 1 ; M.D., 4 ; M.B., B.Ch., 154 ; B.Sc. Physiotherapy, 6 ; M.Sc. (Eng.), 3 ; B.Sc. (Eng.), 224 ; B.Com., 37 ; B.D.S., 69 ; B.Arch., 17.

DIPLOMAS. Logopedics, 1 ; Native Affairs, 1 ; Social Work, 2 ; Music, 1 ; Clinical Pathology, 2 ; Anæsthetics, 11 ; Public Health, 8 ; Tropical Medicine and Hygiene, 3 ; Physical Medicine, 6 ; Nursing, 14 ; Midwifery, 3 ; Occupational Therapy, 3 ; Child Health, 4 ; Architecture, 9 ; Quantity Surveying, 15 ; Town Planning, 11.

THE UNIVERSITIES OF INDIA

UNIVERSITIES were first established in British India as a result of the great parliamentary enquiry into the condition of India which preceded the confirmation of the Company's Charter in 1853. It was resolved to create a properly articulated system of education from the Primary School to the University. The London University, at that time a purely examining body, which admitted to its tests only the students trained in affiliated institutions—the latest device of educational statesmanship —was taken as a model. " It had been suggested, in London, by conditions which resembled those of Bengal. . . . Its defects were not yet apparent, though it was to be profoundly modified by London itself four years later It 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 " (*Report of the Calcutta University Commission, 1917–19*). In pursuance of this policy, Universities were founded in 1857 at Calcutta, Bombay and Madras. The framers of the policy, while contemplating that the ordinary subjects of study should be dealt with by the Colleges, did not intend that the Universities should have no teaching functions, but in point of fact until about 1914 they concerned themselves solely with examinations. In 1887 the University of Allahabad was established on similar lines. A Commission was appointed in 1902 to examine the working of the system, and the Universities Act of 1904 was designed to give effect to its recommendations as to reorganization of the government of the Universities, their assumption of teaching functions, and more effective supervision by them of the Colleges, as well as more exacting conditions of affiliation. University Professorships, Readerships and Lectureships have accordingly been constituted in the above-named Universities, but mainly for advanced (postgraduate) courses and, except in Calcutta, only on a very small scale. Banaras (Hindu), Mysore and Patna Universities were established in 1916 and 1917. The Osmania University, Hyderabad, Deccan, was also established in 1918, though actual tuition began only in Aug. 1919.

The foundation, structure, aims and efficiency in working of institutions for higher education in India were subjected to exhaustive re-examination by the Calcutta University Commission, 1917–19. In the University of Calcutta itself but little progress has been made towards giving effect to the far-reaching and fundamental changes recommended by this body, but their recommendations have to a great extent determined the lines on which a number of new Universities were established in 1920 and following years. Aligarh, Lucknow

and Allahabad may be described as unitary, teaching and residential Universities; and the University of Agra was created under an Act of the United Provinces of 1926 for the purpose of affiliating all the colleges previously associated with the University of Allahabad which had not been transferred to the Nagpur University (*see* below). Delhi has constituent colleges which are not wholly controlled by the University and may perhaps be described as residential and "semi-unitary." Patna approaches them in type. The Patna University Act of 1917 was amended by an Act in 1932 so as to make the constitution correspond with existing conditions. Part of the teaching in Delhi is carried on by the Univ. itself. The Nagpur University was established by legislation in 1923 and took over a number of colleges previously affiliated to Allahabad, to which have been added an Agricultural College and an Institute of Technology. The University itself carries on the teaching of law. In 1926 an Act of the Madras Legislative Council provided for the establishment of an affiliating University of Bezwada (the Andhra University). The headquarters of Andhra University have been moved to Waltair. Bombay University was reorganized in 1928, and the new Act came into force in 1929. The report of the Bombay University Reform Committee (published 1925) recommends the establishment of a University at Poona. The Annamalai University of Annamalainagar in Southern India was established by an Act of the Madras Legislature of 1928 as a unitary, resident and teaching University, and the University of Travancore was founded in 1937 and is primarily a teaching University established at Trivandrum without powers of affiliation, though four mofussil colleges were admitted to its privileges as a special arrangement. The constitution of a new Province of Orissa in 1936 resulted, with the active collaboration of the States of Orissa, in the establishment at Cuttack of the Utkal University in Aug. 1943. The University is an examining body. The University of Saugar was established in 1946, partly as a teaching and partly as an affiliating body, and took over a number of colleges which were formerly affiliated to the University of Nagpur; the Rajputana University was established in 1947 at Jaipur as a partly teaching and partly affiliating University; the University of East Panjab, with its headquarters at Solan (Simla Hills), affiliating the colleges in the East Panjab, came into being as a consequence of the partition of the Panjab between India and Pakistan in 1947; and the University of Gauhati (Assam), was established in 1947 to meet the special needs of the Province of Assam. The latest additions to the Universities of India are the Jammu and Kashmir University with its headquarters at Srinagar, the University of Poona; the Maharaja Sayajirao University of Baroda; and the Roorkee University. All except the last of these are partly teaching and partly affiliating Universities. A Gujerat University, with its headquarters at Ahmedabad, has also now been created by an Act of the Government of Bombay.

The *Review of Growth of Education in British India* * by the Auxiliary Committee on Education appointed by the Indian Statutory Com-

* Interim Report of the Indian Statutory Commission, 1929; Cmd. 3407. H.M. Stationery Office.

mission (generally referred to as the Hartog Report) gives an account both of recent progress in University education in India and of some of its main defects. In the smaller Colleges and residential Universities the old system of mass teaching has been supplemented by valuable tutorial work, especially for Honours students. Research work, which barely existed in Indian Universities when the Islington Commission reported in 1915,* now finds its place in all the Indian Universities, and the character of the staff in the unitary Universities and in central organizations of the affiliated Universities has been largely transformed. The laboratories and libraries have been greatly improved; "but the majority of University libraries are inadequate and all need great additions." There are signs that the University and College authorities are beginning to realize more fully the value of corporate life and social activities.

The Universities are turning out large numbers of graduates who cannot find suitable employment. According to the Hartog Report, "they are overcrowded with men who are not profiting either intellectually or materially by their university training"; and it is suggested that students who now go to Universities without being really fitted for higher work should be diverted in large numbers at an earlier stage to careers better suited to their capacity; and that if this were done money would be set free for more profitable educational uses, and the training of the best men could be appreciably improved. Some effort in this direction has already been made by the opening of Technical schools and institutes all over the country. But only with the full development of the industries and commerce of the country will the problem be solved.

CONSTITUTION. (*a*) The University of Calcutta is still governed by the constitution framed under the Act of 1904. But in its application to Calcutta the Act of 1904 is modified by Acts II. of 1905, XI. of 1911 and VII. of 1921; and the University has, under its existing powers, created important Postgraduate Councils in Arts and in Science, each with an Executive Committee. The constitution of the University of Madras was modified by local Acts, VII. of 1923 and XII. of 1929, with a view to establishing a teaching and residential University at Madras, while enabling the University to continue to exercise due control over the quality of the teaching given by Colleges which are to constitute the University or are affiliated to it (Preamble to Act of 1923). Under these Acts there were constituted an Academic Council, Faculties and Boards of Studies. A Council of Affiliated Colleges established in 1923 was abolished in 1929 The University of Bombay is governed by Act IV. of 1928, amended in detail by subsequent Acts, especially Act XV. of 1930. The Senate comprises the Chancellor, the Vice-Chancellor and other Fellows, the executive government being vested in a Syndicate of 18 or 19 members, including the Vice-Chancellor and the Director of Public Instruction and members (largely College teachers) elected by the

* See Note by the Earl of Ronaldshay, Sir V. Chirol, and Mr. H. A. L. Fisher in Report of Royal Commission on the Public Services in India, vol. i., p. 109; Cd. 8382. H.M. Stationery Office, 1917.

Senate or the Faculties. There are also an Academic Council and a Board of Postgraduate Studies. The constitution and abolition of Faculties rest with the Senate.

(*b*) The new Universities in India have a constitution modelled generally on that recommended for Calcutta by the Calcutta University Commission: (1) A large body called the Court, on which are represented the chief interests of the community either by election or by nomination, and including a number of *ex-officio* members, makes statutes and makes recommendations on the financial accounts and the annual report submitted by the Executive Council; (2) the Executive Council of some 15–20 members, elected partly by the Court, partly by the Academic Council, and including *ex-officio* members, is the executive authority in regard to finance and University appointments, and exercises all residual powers; (3) the Academic Council, which consists almost entirely of University teachers, is responsible for the regulation and maintenance of standards of education and examination within the University, and for the initiation of all changes in academic matters. The executive officers of the new Universities are, as under the older constitution, the Chancellor, the Vice-Chancellor and the Registrar.

ADMISSION TO THE UNIVERSITIES. Most of the Indian Universities admit students who have passed the Final Examn. of the High Schools, and 4 years are spent at a College affiliated to the University before the student is qualified to sit for the Bachelor's Degree Examn., 2 years before the Intermediate Examn. and 2 after. The Universities of Allahabad, Lucknow and Agra regard the pre-Intermediate years not as part of, but as preliminary to, University study. Delhi has adopted a three-year degree course, following upon an extended school course ending in a Higher Secondary examn., or a Preparatory year spent at the University after the school leaving examn.

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 courses in respect of which the College is affiliated are specified. Affiliated Colleges must comply with requisitions 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 examns. 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.

DEGREE COURSES. In *Arts and Science* a 2 yrs.' course leading to an Intermediate examn. is followed by a further 2 yrs.' course for the Bachelor's degree. English is generally a compulsory subject for the B.A. and in some cases for the B.Sc., and is generally the medium of teaching and examination in nearly all Universities; but steps have

been taken in a few Universities to change over to the regional language. Andhra, Annamalai, Lucknow, Madras, Mysore, Nagpur and Travancore give Honours degrees in Arts and Science requiring an additional year of study. Elsewhere the Honours degree is generally given on papers additional to those for the Pass or on a separate "Honours Course" of the same duration as the Pass Course. Agra, Allahabad and Osmania give no Honours degrees.

The Intermediate courses are under the control of the Universities except at Agra, Allahabad and Lucknow, where they are controlled by Boards of Intermediate Education.

Agriculture. For the B.Ag., East Panjab gives a 5-yr. course subsequent to matriculation. For the B.Sc. (Ag.), Andhra, Bombay and Madras give a 3-yr. course, and Agra, Allahabad, Nagpur and Patna a 2-yr. course after an Intermediate examn. in Agriculture.

Commerce. The B Com. course offered at Agra, Allahabad, Andhra, Calcutta, Lucknow, Madras, Nagpur, East Panjab, Patna and Utkal is generally a 2-yr., in some cases a 3-yr., course after passing the Intermediate examn. in Arts. In Bombay it is a 4-yr. course after matriculation.

Education and Teaching. A degree open to graduates in Arts and Science after a 1-yr. course is called the B.T. at Agra, Aligarh, Banaras, Bombay, Calcutta, Madras, Mysore, Nagpur, East Panjab and Travancore, B.Ed. at Andhra and Lucknow, and Dip.Ed. at Osmania, Patna and Utkal. Lucknow gives a Diploma in Teaching to women graduates after a 1-yr. course.

Engineering. For B.Sc. (Engineering), Agra, Banaras, Mysore, Patna and Travancore give a 5-yr. course after Intermediate examn. in Science; for the B.E. or B.Sc. (Engineering) or B.C.E., Aligarh, Annamalai, Calcutta, Madras and Osmania have a 4-yr. course, and Bombay and East Panjab a 3-yr. course after Intermediate examn. in Science or equivalent examn. Banaras gives a B.Sc. (Engineering) in Mining and Metallurgy after a 4-yr. course.

Law. The LL.B. (or B.L.) course covers 2 yrs. (Calcutta and East Panjab ordinarily 3 yrs.) after graduating in Arts or Science. Bombay gives a 3-yr. course after Intermediate examn. in Arts or Science. Degrees in Law are not at present given at Annamalai and Mysore.

Medicine. Medical courses are taught in a majority of Universities. The M.B., B.S. course covers 5 yrs. at Agra, Lucknow, Osmania, East Panjab and Patna (after Pre-medical examn.), 5½ yrs. at Andhra, Calcutta, Madras and Mysore, and 3 yrs. at Bombay after the Intermediate examn. in Science or some equivalent examn. The Utkal Univ. has recently started this course. The Aligarh Univ. gives degrees in Unani System of Medicine and Surgery in 5 yrs. and Banaras in the Ayurvedic System of Medicine in 6 yrs. Besides these, there are other diploma courses in Pharmacy and different branches of Medicine at some of the Univs. Mysore and Patna also give an L.M.P. course of 4 yrs. after matricn.

HIGHER DEGREES. The M.A. and M.Sc. (for which there are in some Universities two examns.) can generally be taken by Bachelors after a 2 yrs.' course, or after 1 yr. by Bachelors who have taken a 3-yr. Honours

course. In Mysore a 2 yrs.' course is compulsory for all candidates. Madras gives an " M.A. in research " and Madras and Travancore an M.Sc. degree by thesis. In Madras the M.A. degree was formerly conferred on Honours graduates after a certain interval; and Annamalai follows the same procedure.

In Arts, the D.Litt. degree may be taken at Agra by Ph.D.s in 2 yrs, at Allahabad by Ph.D.s in 2 yrs. and M.A.s in 7 yrs., at Annamalai by Ph D.s and M.Litt.s in 1 and 2 yrs. respectively, at Banaras by Ph.D s in 3 yrs., M.A s in 7 yrs. and teachers with M.A degrees in 6 yrs.; at Lucknow by Ph.D.s in 5 yrs. and *honoris causa*; at Madras by Ph.D s in 2 yrs. and M.A.s in 3 yrs.; at Mysore by B A s (Hons) in 5 yrs. and M.A.s in 4 yrs.; at Nagpur by Ph.D.s in 3 yrs. and M.A.s in 8 yrs.; at Patna by M.A.s in 3 yrs. by thesis and 2 papers; and at Utkal by Ph.D.s in 3 yrs. and by M.A.s in 5 yrs.

The Ph.D. degree may be taken by M A.s at Agra in 3 yrs, at Allahabad after a 20 months' course by thesis, at Andhra in 2 yrs. (B.A. Hons. in 3 yrs.), at Annamalai in 3 yrs. (Hons. graduates in 3 yrs. and M.Litt. in 2 yrs.), at Banaras in 2 yrs. (B.Sc.—Mining, Metallurgy and Engineering in 3 yrs.), at Calcutta in 3 yrs. (1st Class graduates in Hons. Mathematics in 2 yrs.), at Madras in 3 yrs. (graduates in Hons. in Oriental Learning, Medicine, Engineering, Agriculture and Technology in 3 yrs.; M.Ed. in 2 yrs.), at Nagpur in 3 yrs. (M.Sc. in 2 yrs.), at Osmania and Patna in 3 yrs., and at Utkal in 2 yrs

The D.Sc. may be taken at Agra by Ph.D.s in 2 yrs. and M.A., M.Sc.s in 5 yrs., at Allahabad by Ph.D s in 2 yrs. and M.Sc.s in 7 yrs., at Andhra by M.Sc.s or M.B., B.S. in 3 yrs., at Annamalai and Banaras as for D.Litt., at Calcutta in Engineering by thesis, at Mysore as for D.Litt., at Nagpur by M.Sc.s in 3 yrs., and at Utkal as for D.Litt.

A degree of M.Ag. is given at the Universities of Agra, Banaras, Bombay and Nagpur in 2 yrs. after B.Ag. or B.Sc (Agr. or Botany)

A degree of M.Com. may be taken by a B.Com. in 2 yrs. at Agra, Allahabad, Andhra (B.Com. Hons. in 1 yr.), Bombay and Lucknow.

The degree of M Ed. may be taken at Allahabad, Andhra and Nagpur in 2 yrs., at Madras, Osmania and Patna in 1 yr. after B.T or B.Ed.

The LL.M. (or M.L., as the case may be) of Agra, Aligarh, Allahabad, Banaras, Bombay, Calcutta, Delhi, Lucknow, Madras, Nagpur, Osmania, Patna and Travancore may be taken by graduates in Law of 2 yrs.' standing. The LL.D. (or D.L., as the case may be) is generally given by thesis and open to LL.M.s (or M.L.s) of prescribed standing; at Lucknow and Nagpur, 3 yrs.; Banaras, Calcutta, Madras and Patna, 1 yr. At Allahabad the LL.D. is given by thesis to LL.M.s who have had 5 yrs.' professional practice. At Delhi the course of LL.D. is under revision. Lucknow also confers the degree *honoris causa*.

The degrees of M.D. and M.S. (Master of Surgery) may be taken by graduates in Medicine and Surgery after intervals varying in different Universities of from 1 to 5 yrs. after graduation, mostly by examination, but in some cases by thesis; varying requirements in regard to hospital and professional practice are imposed. Bombay gives the degrees of Bachelor of Hygiene (after a 1-yr. course), Doctor of Hygiene (after a further 1 yr. of practice) to medical graduates, and Bachelor of Dental

Surgery in 4 yrs. after Intermediate Science ; Madras gives a Bachelor of Sanitary Science after a 1-yr. course, and Calcutta gives a D.P.H. after a prescribed course of study, to medical graduates.

Bombay, Calcutta and Madras give a Diploma in Ophthalmology, Calcutta and Lucknow give a Diploma of Obstetrics, Bombay gives a Diploma in Psychological Medicine and Madras gives a Diploma in Midwifery to medical graduates.

At Bombay, the degree of Master of Engineering is given by thesis or examn. to Bachelors of Engineering who have practised their profession for 3 yrs. after graduation ; at Mysore 1 yr. after B.E. At Calcutta, a D.Sc. in Engineering is given by thesis.

Oriental Learning. Besides courses for degrees in Arts in classical Oriental languages and literatures (Sanskrit, Arabic and Persian) and in vernaculars, conducted more or less on Western lines, there are degrees in Oriental Learning given in some Universities with English titles, in others with Oriental titles, in some with both. Andhra, Annamalai, Madras and Nagpur give " Titles " and certificates of proficiency, and Annamalai offers a degree of M O.L , by thesis, to candidates possessing certificates of proficiency. Banaras has a Faculty of Oriental Learning which confers a first degree *Madhyama Pariksha* after a 3 yrs.' course, a second degree of *Shastri* after a further 3 yrs ' course, and the degree of *Shastracharya* by thesis, 3 yrs. after the second degree. Travancore gives a Title (*Sahityavisarada* and *Vidvan*) in Sanskrit.

Theology. Five different degrees in Hindu theology are awarded by the University of Banaras, open only to Hindus after courses extending over a large number of years. Aligarh awards the degrees of Bachelor, Master and Doctor in (Islamic) Theology, and Osmania has a 6-yr. course leading up to the B A. in (Islamic) Theology, and a 2-yr. course for the M A , and gives the degree of Ph.D (Theology) to M.A.s (Theology) of 3 yrs.' standing.

Cost of Living. The cost of living varies in different Universities. In colleges in the smaller towns it may be about Rs. 50 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.

[*Note.* 1 Rupee = 1s. 6d. approximately.]

Inter-University Board. In April 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 July 1921, and at a Conference of Indian Universities held at Simla in May 1924.

In accordance with a resolution passed by the Simla Conference, the Inter-University Board was established to co-ordinate the work of the Univs. and to provide a forum for the exchange of information and opinion among the Univs. The Univs. of Ceylon and Rangoon (Burma) are members of the Inter-University Board.

President, 1950–51, Pandit Kunjilal Dube, B.A., LL.B., Vice-Chancellor of Nagpur University ; Chairman of Standing Committee,

Sir A. L. Mudaliar, B.A., M.D., LL.D., D.Sc, D.C.L., F.R.C.O.G., F.A.C.S, Vice-Chancellor of Madras Univ.; Secretary, Samuel Mathai, M.A. (Bom. and Oxon.), 10 Jantarmantar Road, New Delhi.

PUBLICATIONS. The Inter-University Board publishes a *Handbook of Indian Universities* in alternate years, lists of subjects on which research is being done, and a *Bibliography of Doctorate Theses*. It also publishes the Proceedings of the meetings of the Board and of Conferences of Univs. held under its auspices, 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 Office of the High Commissioner for India, India House, Aldwych, London, W.C.2, gives advice and help on educational and all other matters relating to Indian students who come to this country to complete or supplement their education. Secretary: L R. Sethi, M.A. Panj. and Tor.; Deputy Secretaries, R. M. J. Knaster, O.B E., B.A. Camb.; J N. Khosla, B.A., B.Sc., Ph.D. Lond.; S. N. Ghose, M.Sc. Calc. Education Officers: Miss C. H. Bose, M.A. Camb.; S. G. Sathaye, B.A. Bom., Ph.D. Lond.; M L. Obroi, M.A. Panj., B.A. Oxon.; Miss S. Narsian, M.A., B.T. Bom., M.Ed. Leeds; Mrs. K. Sitaram, B A., L.T. Madr. Assistant Education Officers: B. C. Nag, Miss V. Kitchlu, M.A. Delhi, M.A. Panj., Miss S. Rajan, M.A., L.T. Madr.; Miss K. Nair, M.A. Madr.; M. P. Jain, M.A. Panj.; I. R. Khan, M.A. Delhi; N. K. Sundaram, M.A. Madr., B A. Oxon. Accounts Officer: K. B. Roy.

Indian students who propose to proceed abroad for further study are strongly advised to consult the Central Bureau or the Univ. Bureau or Advisory Committee of their Province, where they can obtain full information from the Secretaries as follows: Central Bureau—The Deputy Educational Adviser to the Government of India, Department of Education, Central Secretariat, New Delhi; Ajmere—Superintendent of Education, Delhi and Ajmere-Merwara, Students' Advisory Committee, Rajputana, Delhi; Allahabad—Director of Education, United Provinces, Allahabad; Bombay—Secretary, University Information Bureau, The University, Fort, Bombay; Calcutta—Secretary, Students' Advisory Bureau (Overseas), Senate House, Calcutta; Delhi—Secretary, Office of the Secretary, Students' Advisory Committee, Delhi Province, Delhi; East Panjab—Secretary, East Panjab University Foreign Information Bureau, Solan, East Panjab; Gauhati—Secretary, Indian Students' Advisory Committee, Gauhati, Assam; Guntur—Secretary, Andhra University Students' Advisory Bureau, Guntur; Jaipur—Secretary, Students' Information Bureau, University, Mysore; Nagpur—Secretary, University Information Bureau, Nagpur; Patna, Bihar—Secretary, University Students' Information Bureau, Patna, Bihar; Travancore—Secretary, Students' Advisory Bureau, Trivandrum, Travancore; Utkal—Secretary, Utkal Students' Advisory Bureau, University Office, Cuttack, Orissa.

Indian students are also advised to consult the *Handbook for Indian Students—A Guide to the Facilities for University and Professional*

Studies and Training in the United Kingdom, which is published by the Education Dept.; the 8th edition was published late in 1938 and reprinted in 1946. A new edition is in course of preparation. An annual Report on the work of the Dept. is also published. Copies of both these publications may be obtained from the Office of the High Commissioner for India; 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. is approx. 2300 and the Officers of the Education Dept. keep in touch with them by regular visits to the various Univs., Colls. and other institutions and by personal contact in London. The High Commissioner is prepared, at the request of parents and guardians in India, to make arrangements for the supervision of Indian students and for the administration of funds remitted to him for this purpose.

Note

The arrangement of Oriental names in the directory sections has been adopted for convenience of reference and for indexing purposes.

AGRA UNIVERSITY

Founded 1927

VISITOR—THE PROVINCIAL GOVERNMENT OF THE UNITED PROVINCES.

CHANCELLOR—THE GOVERNOR OF THE UNITED PROVINCES.

VICE-CHANCELLOR—C. V. MAHAJAN, M.A. Oxon.

REGISTRAR—L. P. MATHUR, D.Sc.

AFFILIATED COLLEGES

[M.A , etc., after name of College = teaching up to M.A., etc., standard.]

AGRA, *Agra College.* M.A.; M.Sc.; LL.M. Principal and Prof. of *Botany* —K. C. Mehta, M.Sc. Panj., Ph.D., Sc.D. Camb.

AGRA, *Balwant Rajput College.* M.A ; M.Sc.; M.Com.; M.Sc. (Agric.). Principal—R. K. Singh, M.A., LL.B. Alld., D.Ed. Harv.

AGRA, *Medical College.* M.B.; B.S.; M.D.; M.S. Principal—H. N. Bhatt, M.B., B.S., F.R.C.S., D.M.R. & P.

AGRA, *Radha Soami Educational Institute.* B.A.; B.Sc.; B.Com. Principal—B. P. Mathur, M.A. Alld.

AGRA, *St. John's College.* M.A.; M.Sc.; M.Com. Under the general control of the Church Missionary Society. Admits non-Christians, but is especially for Christians. Principal—C. V. Mahajan, M.A. Oxon.

AGRA, *Women's Training College.* B.T. Principal—S. P. Sukhia, M.A.

AJMER, *Government College.* M.A.; M.Sc.; B.Com. Principal—K. L. Mathur, M.Sc.

AJMER, *Teachers' Training College.* B.T. Principal—M. N. Vergese, M.A., T.D.

ALIGARH, *Barahseni College.* M.A.; M.Com.; LL.B. Principal—K. L. Garg, M.A. Alld., Ph.D.

ALIGARH, *Dharam Samaj College.* B.A.; B.Sc. Principal—V. G. Jhingran, M.Sc. Luck., B.Ed. Edin.

AZAMGARH, *Shibli National College.* B.A. Principal—B. A. Siddiqi, M.A. Alig.

BALLIA, *Satischandra College.* B.A. Principal—Sita Ram Chaturvedi, M.A., L.T., LL.B.

BARAUT, *D.J. College.* B.A. Principal—A. B. Malkhani, M.Sc.

BARAUT, *Jat Vedic College.* B.Sc. (Agric.). Principal—S. Singh, M.A.

BAREILLY, *Bareilly College.* M.A.; M.Sc.; LL.B.; M.Com. Principal—S. B. Banerji, M.A.

BHOPAL, *Hamidia College.* B.A., B.Com. Principal—P. C. Malhotra, M.A.

CHANDAUSI, *S.M. College.* B.A.; B.Sc.; B.Com. Principal—K. Kumar, M.Sc. Alld.

CHHATTARPUR, *Maharaja's College.* B.A. Principal—J. K. Das Gupta, M.A., Ph.D.

DEHRADUN, *D.A.V. College.* M.A.; B.Sc.; LL.B.; B.Com. Principal—Ram Narain Saxena, M.A., Ph.D., D.Litt.

GHAZIABAD, *Mahanand Mission Harijan College.* B.A.; B.Com. Principal—B. S. Mathur, M.A., L.T.

GORAKHPUR, *M.P. College.* B.Com. Principal—.....

GORAKHPUR, *St. Andrew's College.* M.A.; B.Sc.; LL.B. Principal—C. J. Chacko, M.A., Ph.D. Columbia, F.R.Hist.S. Lond.

GWALIOR, *Gajra Raja Medical College.* M.B.; B.S. Entirely supported by the State. Principal—Bhagwat Sahai, M.D. Luck.

GWALIOR, *Kamla Raja Girls' College.* B.A. Entirely supported by the State. Principal—Mrs. Gargi Devi Mathur, B.A. Ban., Ph.D. Lond.

GWALIOR, *Victoria College.* M.A.; M.Sc.; B.Com. Entirely supported by the State. Principal—A. R. Wadia, B.A. Bom., B.A. Camb., Dip. Econ. Pol. Oxon.

INDORE, *Christian College.* M.A. Principal—The Rev. A. A. Scott, M.A., Ph.D., B.Pæd. Tor., D.D.

INDORE, *Holkar College.* M.A.; M.Sc.; LL.B.; B.Com. Maintained by the State. Principal—N. P. Shastri, M.A. Madr.

INDORE, *Mahatma Gandhi Memorial Medical College.* M.B.; B.S. Principal—B. C. Bose, M.D.

JAUNPUR, *T.D.K. College.* B.A. Principal—H. N. Singh, M.A.

JHANSI, *Bundelkhand Degree College.* B.A. Principal—Shankar Lal Agarwal, M.A.

KANPUR, *Christ Church College.* M.A.; M.Sc. Principal—Rev. R. G. Slater, M.A.

KANPUR, *Dayanand Anglo-Vedic College.* M.A.; M.Sc.; LL.B.; M.Com. Principal—K. P. Bhatnagar, M.A., LL.B. Alld.

KANPUR, *Government Agricultural College.* M.Sc. (Agric.). Principal—B. L. Sethi, M.Sc., Ph.D. Wales.

KANPUR, *V.S. Sanatan Dharma College.* M.A.; LL.B.; M.Com. Principal—L. C. Tandon, M.A. Cal., M.Com. Bom.

KHURJA, *N.R.E.C. College.* B.A.; B.Sc.; B.Com. Principal—P. D. Gupta, M.A. Alld.

LAKHAOTI, *K.E.M.U. Jat College.* B.A.; B.Sc. (Agric.). Principal—A. Dayal Chand, M.Sc., Ph.D. Panj.

LAKHIMPUR-KHERI, *Yuvraj Dutta College.* B.A. Principal—Jaideo Singh, M.A.

MATHURA, *Kishori Raman College.* B.A.; B.Com. Principal—D. N. Bhargava, M.A.

MATHURA, *U.P. College of Veterinary Science & Animal Husbandry.* B.V.Sc. & A.H. Principal—P. G. Pande, M.Sc.

MEERUT, *Meerut College.* M.A.; M.Sc.; LL.B.; M.Com. Principal—B. R. Chatterji, M.A., D.Litt. Panj., Ph.D. Lond.

MEERUT, *Raghunath Girls' College.* B.A. Principal—Mrs. L. Sharma, M.A.

MORADABAD, *Coronation Hindu College.* B.Com. Principal—J. P. Singhal, M.A., Ph.D.

MORADABAD, *K.G.K. College.* M.A.; M.Com. Principal—Kashi Prasad Mathur, M.A., Ph.D.

MUZAFFARNAGAR, *S.D. College.* B.A. Principal—D. Singh, M.A.

RAMPUR, *Raza College.* B.A.; B.Sc. Principal—A. Shakoor, M.A.

REWA, *Durbar College.* M.A.; M.Sc.; LL.B.; B.Com.; B.Sc. (Ag.). Principal—A. P. Mathur, D.Sc. Paris, D.I.C. Lond.

SHAHJAHANPUR, *Gandhi-Fasi-Am College.* B.A.; B.Sc. Principal—M. R. Kidwai, M.Sc. Luck.

SHIKOHABAD, *Ahir Kshatriya College.* B.A.; B.Com. Principal—C. P. Srivastava, M.A.

UJJAIN, *Madhava College.* B.A.; B.Sc. Principal—B. Narayan, M.A.

UNNAO, *Subhas National College.* B.A. Principal—Lakshmi Nath Misra, M.A., LL.B., L.T.

GENERAL INFORMATION

Act VIII. of 1926 of the United Provinces Legislature, which received the assent of the Governor-General on Oct. 20, 1926, provides for the establishment of a University "for the purpose of affiliating the colleges associated with the University of Allahabad . . ." so as to set it free to function as a unitary, teaching and residential institution. It empowers the Agra University to affiliate colleges in the United Provinces, Central India and Gwalior, 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 to be 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 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 supreme governing body of the University is the Senate, the other principal authorities being the Executive Council, Academic Board, Board of Inspection, and Faculties of Arts, Science, Law, Commerce, Agriculture, Engineering, Medicine and Veterinary Science. The Vice-Chancellor, an honorary officer elected by the Senate, 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 United Provinces, 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.

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. (Eng.).

COURSES. B.A., B.Sc., 2 yrs. Candidates must have passed (i) the Intermed. Examn. of the Bd. of High School and Intermed. Edn., U.P., or of the

Bd. of High School and Intermed. Edn. for Rajputana (including Ajmere-Merwara), Central India and Gwalior 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 the Delhi Univ; or (iv) the Pre-Engineering Examn. of the Delhi Polytechnic; and have attended a regular course of study in an affiliated college.

B.Com., 3 yrs. Candidates must have passed (i.) the Intermed. Examn. of the Bd. of H. Sch. and Intermed. Edn., 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. Edn., U.P.; or (iii) the Intermed. Examn. in Commerce of the Bd. of H. Sch. and Intermed. Edn., U.P. or Rajputana (incl. Ajmere-Merwara), Central India and Gwalior; or (iv) the Intermed. (Group B —special) Examn. of Delhi Univ. with Regional and Commercial Geogr. as optional subject; or (v) the Intermed. Examn. of the 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.). Candidates must have passed the Intermed. Examn. in Agric. of the Bd. of H. Sch. and Intermed. Edn., 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.

Higher Degrees. M.A., M.Sc., M.Com. 2 yrs.' course in an affiliated college. Two examns.—Previous and Final.

M.Sc. (Ag.). 2 yrs.' course in an affiliated college. One examn.

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 Fac. 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 M.B., B.S. of the Univ. after 3 years of practice of medical profession.

SCHOLARSHIPS. 10 research scholarships of Rs. 75 each per mensem, tenable for 12 months in an affiliated coll. The following postgrad. scholarships of Rs. 30 per mensem, tenable for twenty months (ten months in a yr.), are awarded annually for precedence in First or Second Division on results of the respective degree examn.:—15 M.A., on result of B.A. examn.; 10 M.Sc., on result of B.Sc. examn.; 3 M.Com., on result of B.Com. examn.; 2 M.Sc. (Ag.), on result of B.Sc. (Ag.) examn. A large number of scholarships and medals awarded by the affiliated colls. to their own students.

PUBLICATION. *Calendar* (November).

THE YEAR 1948–49

STUDENTS. Total: 17,088. Full-time: 14,777; pt.-time: 2311. The total includes 510 women and 3910 postgraduates.

DEGREES. B.A., 2116; M.A., 732; B.Sc., 664; M.Sc., 106; LL.B., 258; B.Com., 672; M.Com., 152; B.Sc. (Ag.), 290; M.Sc. (Ag.), 52; M.B., B.S., 35; B.T., 83; Ph.D., 22; M.D., 2; M.S., 5.

ALIGARH MUSLIM UNIVERSITY

Founded 1920

Address—Aligarh, U.P.

LORD RECTOR—THE PRESIDENT OF THE REPUBLIC OF INDIA.

CHANCELLOR.....

PRO - CHANCELLOR — HIS HIGHNESS ALIJAH MUKHLIS - UD - DAULA, NASIRUL-MULK, AMIRUL UMARA, MAJOR NAWAB SIR SYED MOHD. RAZA ALI KHAN BAHADUR MUSTAID JANG, K.C.S.I., K.G.C.I.E., LL.D., Rampur.

VICE-CHANCELLOR—ZAKIR HOSAIN KHAN, M.A., Ph.D.

TREASURER—QAZI AZIZUDDIN AHMAD BILGRAMI, B.A., LL.B.

REGISTRAR—AZMAT ELAHI ZOUBAIRI, B.A., LL.B.

LIBRARIAN—S. BASHIRUDDIN, M.A.

TEACHING STAFF

Arabic

Memon, A. A. Prof.*
..... Reader.
Badruddin, M. Lectr.
1 Grade II Lectr.

Botany

Khan, R. A., Ph.D. Camb., M.Sc. Ban. Reader.*
Hasan, M. A., M.Sc. Alld. Lectr.
5 Grade II Lectrs.

Chemistry

Haider, Lt.-Col. M., M.A. Camb., B.Sc. Lond., B.A. Alld. Prof.*
Farooq, M. O., Ph.D. Lond. and Alig., M.Sc. Reader.
Aziz, M. A., Dr.phil. Ber., M.Sc. Offg. Reader.
Bashir Ali, S., M.Sc. Lectr.
9 Grade II Lectrs.

Commerce

Shafi, S. M., B.A., B.Sc. Lond. Reader.*
Faruqi, Q. H., M.A., B.Com. Luck. Lectr.
2 Grade II Lectrs.

Economics

Uddin, S. M., M.A., LL.B. Actg. Reader.*
Salim, M. A. Lectr.
2 Grade II Lectrs.

Education

Rahman, H., M.A. Alld. and Birm., L.T. Alld. Prof.*
..... Reader.
Husain, I., M.A., M.Ed. Leeds, B.A. Lectr.
Khan, Q. H., B.A., Dip.Ed. Camb. Lectr.
5 Grade II Lectrs., 1 Grade II Lady Lectr.

Engineering, v. *infra*

English

Bose, A., M.A. Dacca, D.Phil. Oxon. Reader.
Husain, S. M., M.A. Reader.*

* Chairman of Dept.

Ali, M. H., M.A. Reader.
6 Grade II Lectrs.

Geography

Ali, S. M., Ph.D. Lond., M.A., B.T. Reader.*
Rizvi, S. M. Tahir, B.A., Ph.D. Lond., M.A., LL.B. Reader.
7 Grade II Lectrs.

Geology

..... Reader.
2 Lectrs.

History

Rashid, S. A , M.A., LL.B. Reader *
Noorul Has ali, S., M A., Ph.D. Reader.
Kuseishy, A. W., M.A. Lectr.
3 Grade II Lectrs.

Islamic Studies

..... Reader.*
..... Lectr.

Law

Khusro, M. I., M.A. Camb. Reader.*
Khwaja, M. I., B.A., LL.B. Lectr.
Rahman, H., B.A., LL.B. Lectr.
Ismail, M., B.A., LL.B. Lectr.
2 Pt.-time Lectrs.

Mathematics

Siddiqi, R. Hon. Prof.
Basu, N. M., D.Sc. Prof.*
Shah, S. M., M.A. Lond. Reader.*
Siddiqi, O. A., M.A. Lectr.
7 Grade II Lectrs.

Medicine and Surgery (Unani)
Lecturers

Latif, Vice-Principal H. A.
Ansari, I. H., M.B., B.S. Bom., B.Sc.
Shah, I. U., M.B., B.S. Panj.
Khan, H. Z.
Khan, H. Z. A.
Sufi, H. A. A.
Khan, M. N.
Haq, M. W.
2 Demrs.

Military Science

..... Reader.
Ali, S. M., Ph.D. Lond., M.Sc., B.T., LL.B. Lectr.

Persian

Hasan, S. H., B.A. Camb., B Sc Bom., Ph.D. Lond. Prof.*
Khan, H. Mohd. H., M.A. Alld. Prof.
Ahmad, Zia-i, M.A. Alld. Lectr.
Haziq, M., M.A. Lectr.
1 Grade II Lectr.

Philosophy

Umaruddin, M., M.A. Reader.*
5 Grade II Lectrs.

Physics

Gill, P. S., M.Sc. S. Calif., Ph.D. Chic. Prof.*
Ali, N., M.Sc., Ph D. Reader.
5 Grade II Lectrs.

Political Science

Halich, Mohd, B A. Oxon Prof.*
..... Reader.
Haggi, A. H., M.A., LL.B. Grade I Lectr.
3 Grade II Lectrs.

Sanskrit

Shastari, Pandit R. S. Grade I Lectr.
2 Grade II Lectrs.

Theology

Ali, M. S. W. (Sunni) Nazim & Lectr.
Shabbar, S. Mohd. A. (Shia) Dean & Lectr.
2 Grade II Lectrs.

* Chairman of Dept.

Urdu

Siddiqi, R. A., M.A. Alld. Reader.*
Siddiqi, A. L., M.A., Ph.D.
5 Grade II Lectrs.

Zoology

Mirza, B., B.Sc. Bom., D.Ph. Frankf. Prof.*
Qadri, M. A. H., Ph.D. Camb. and Alig., M.Sc. Reader.
Basir Khan, M. A., M.Sc., Ph.D. Lectr.
5 Grade II Lectrs.

Engineering and Technology

Civil Engineering

Prashad, J. Temp. Reader.
Ansari, M. Y. Lectr.
Hanafi, A. R., M.Sc. (Maths.) Lectr.
Hasan, S. H. Lectr.
Bari, J. Lectr.
Ahmad, N. (Maths.) Lectr.
1 Drawing Teacher, 2 Survey Teachers, 3 Demrs., 1 Draftsman.

Electrical Engineering

Saha, N. C., B.Sc. Glas., M.Sc., Ph.D. Prof.*
Durrani, U., B.Sc. Reader.
Bhattacharjee, S. C., B.Sc. Calc., B.Sc. (Eng.) Ban. Lectr.
Abbas, S. A. Lectr.
Huda, N., M.Sc. Dacca Lectr.
Ahmad, I. Lectr.
4 Demrs.

Mechanical Engineering

Dey, N. C., B.Sc. Lond., M.Sc. Calc. Prof.*
..... (Aeronautics) Reader.
Munir, J. A. Lectr.
Nabi, N. Lectr.
Husain, A. Lectr.
Husain, N. Lectr.
Husain, S., B.Sc. (Eng.) Lectr.
3 Demrs.

Medical Officer

Rahaman, C. H.
2 Assts.

Superintendent, Building Dept.

Quddus, M. A.

* Chairman of Dept.

GENERAL INFORMATION

The Mahomedan Anglo-Oriental College, founded in 1875, became, under the Aligarh Muslim University Act of 1920, a unitary residential University, with Univ. School and Intermediate College attached as separate institutions. The Intermediate Coll. was abolished in 1932, the Intermediate classes being absorbed in the Univ. proper. The Univ. receives Rs. 15,00,000 annually from the Govt. of India, Rs. 64,400 from the Local Govt., Rs. 60,000 from H.E.H. the Nizam of Hyderabad, and contributions from other Indian States. Although the governing body is composed of Mahomedans, and special attention is paid to Muslim Theology, it is open to all, without distinction of sex, race, creed, or class. In the grounds, comprising several square miles, are halls and hostels sufficient for the accommodation of all the students and some of the staff. LIBRARY, 62,000 vols., besides a collection of 4000 MSS. on Oriental Lit. LABORATORIES: Physics, Chem., Botany, Zoology and Geography.

The MUSLIM UNIV. SCHOOL is a feeder to the University and a practising school for the TRAINING COLLEGE. The Univ. also maintains the Muslim University City High School run on less expensive lines, a Tibbiya College and an Institute of Technology to impart instruction in indigenous medicines of Muslim origin and in Technology respectively.

FACULTIES. Arts, Science, Engineering and Technology, Theology.

COURSES. For students who have passed the High School or Matricn. Examn. of an Indian Univ., 2-yr. Interm. course in Arts or Sci., 2-yr. Interm. course in Comm. For students who have passed the Intermediate examn. of an Indian Univ., 2-yr. course for the B.A. or B.Sc. ordinary, or B.Com. and 3 yrs. for B.A. or B.Sc. with hons. One yr. for Teaching Certificate. Courses leading to M.A., M.Sc., M.Ed., LL.B., B.T. (Bachelor of Teaching), B.Th. (Bachelor of Theol.), B.Sc. in Civil, Elect. and Mech. Engineering, Bachelor in Unani Tibb and Surgery 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.

FEES: for Tuition, Rs. 10 to Rs. 17 p.m.; Board and residence about Rs. 60 p.m.

SCHOLARSHIPS FOR GRADUATES, enabling them to proceed to higher degrees, are awarded. Three of Rs. 50 p.m. each for research in Arabic, one in an Arts and one in a Science subject, open to M.A.s. There is a loan fund for helping poor students.

PUBLICATIONS. *Calendar* (published irregularly); *Prospectus*; *University Magazine* (English and Urdu).

THE YEAR 1948–49

STUDENTS. Full-time: 3631, including about 513 graduates.

DEGREES. B.A. (Pass), 166; B.Sc. (Pass), 150; B.A. (Hons.), 4; B.Com., 17; M.A., 95; M.Sc., 40; LL.B., 48; B.T., 79; Ph.D., 1; B.Sc.Eng., 49; Unani Tibb, 9.

UNIVERSITY OF ALLAHABAD

Founded 1887

CHANCELLOR—H.E. Sir H. P. MODI.
VICE-CHANCELLOR—D. R. BHATTACHARYA, D.Sc., Ph.D.
TREASURER—G. S. PATHAK, M.A., LL.B.
REGISTRAR—S P. VARMA, M.A., Ph.D. Lond.
DEPUTY REGISTRAR—I. D CALEB, M.Sc., D.Phil. (Officiating).
ASSISTANT REGISTRAR—P. I. DAS (Officiating).
ASSISTANT REGISTRAR (ACCOUNTS)—.....
PROCTOR—P. E. DUSTOOR, M.A., D.Litt.
LIBRARIAN—.....

TEACHING STAFF

Arabic and Persian

Ahmad, M. G. Z., M.A., Ph.D. Lond. Offg. Prof.
..... Reader.

Botany

Ranjan, S., D.Sc. Prof.
Saksena, R. K., D.Sc. Reader.

Chemistry

Dhar, N. R., D.Sc. Prof.
Ghosh, S., D.Sc. Reader.
Taimni, I. K., M.Sc., Ph.D. Reader.

Chinese

Pachow, W., Ph.D. Lectr.

Commerce

Ghosh, M. K., M.A., B.Com. Lond. Prof.
Govil, K. L., M.A. Reader.
Chowdhury, R. C., M.Sc. Reader.

Economics

Rudra, S. K., M.A. Camb. Prof.
Karwal, G. D., M.A. Reader.
Mehta, J. K., M.A. Reader.

English

Deb, S. C., M.A. Prof.
Dustoor, P. E., M.A., D.Litt. Prof.
Mehrotra, K. K., M.A., B.Litt. Oxon. Reader.
..... Reader.

French and German

Benoit, F. Pt.-time Teacher.

Hindi

Varma, D., M.A., D.Litt. Prof.
Varma, R. K., M.A , D.Phil. Reader.

History

Tripathi, R. P., M.A., D.Sc. Prof.
Saksena, B. P., M.A., Ph.D. Reader.
Bhatnagar, O. P., M.A. Reader.

Law

Bhattacharya, K. K., M.A., LL.M. Lond. Offg. Prof.
Sastry, K. R. R., M.A., M.L. Madr. Reader.
Pathak, K. K., M.A., LL.M. Reader.
Sapru, T. N., B.A., LL.B. Reader.

Mathematics

Banerji, A. C., M.Sc. Calc., M.A. Camb., F.R.A.S. Prof.
Prasad, G., D.Sc. Edin. Reader.
Srivastava, P. L., M.A., D.Phil. Oxon. Reader.
..... Reader.

Philosophy

Mukerji, A. C., M.A. Prof.
Kaul, R. N., M.A. Reader.

Physics

..... Prof.
Ghosh, R. N., D.Sc. Offg. Prof.
Deodhar, G. B., D.Sc. Reader.

Political Science

Prasad, I., M.A , D.Litt. Prof.
Lal, A. B. Reader.

Russian

..... Lectr.

Sanskrit

Acharya, P. K., M.A. Calc., Ph.D., D.Litt. Lond. Prof.
Saksena, B. R., M.A., D.Litt. Reader.

Urdu

Ali, S. M. Zamin, M.A. Prof.

Zoology

Mehra, H. R., Ph.D. Camb. Prof.
Verma, S. C., M.Sc., LL.B. Reader.
Datta, S. K., M.Sc , D.Phil. Reader.

COLLEGES OF THE UNIVERSITY

CANON HOLLAND UNIVERSITY COLLEGE, Allahabad (American Presbyterian Mission). Principal—H. N. Sturt, M.A., Ph.D. Iowa.

KAYASTHA PATHSALA UNIVERSITY COLLEGE, Allahabad. Principal—B. R. Saksena, M.A., D.Litt. 7 Tutors.

AGRICULTURAL INSTITUTE, Naini, Allahabad. Principal—A. T. Mosher, M.Sc.

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 two institutions which supplement instruction given in the Univ.; these are the Canon Holland College and the Kayastha Pathsala College. 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 the commencement of the session July 1922, the Agricultural Institute, Naini (Allahabad), was recognized as a Coll. for the B.Sc. degree in Agriculture.

LIBRARY, 130,315 vols. Darbhanga Reading Hall. A collection of coins is attached to the Library. 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.

FACULTIES. Arts, Science, Law, and Commerce.

DEGREES, ETC. 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. Engr.), M.Sc., D.Phil.,

D.Sc.; LL.B., LL.M., LL.D.; D.Litt. (Econ.); B.Com., M.Com.; Dip. in Indian Music, and Sanskrit.

The *courses* of study in the Univ. for the Bachelor's degree cover 2 yrs., following an examn. of "Intermediate" standard, equivalent to the Higher School Examn. of the Univ. of Cambridge. The intermediate examns. of other Univs. incorporated by law in British India and the Inter. examn. of the Mysore Univ., the Inter. examn. of the Board of High School and Interm. Educn., Rajputana (incl. Ajmere-Merwara, Central India, and Gwalior), are recognized for the same purpose. The Intermed. Examn. in Agriculture of Nagpur Univ. has been so recognized for admission to the B.Sc. Agric. Class of this Univ. and the Prelim. Examn. of the Mayo College, Ajmer, has been recognized as equivalent to the Intermed. Examn. of the U.P. Board. Graduates in Agriculture are eligible for admission to the Law Classes.

For admission to courses leading to higher degrees the B.A. and B.Sc. degrees of any Univ. in British territory recognized by the law of the place in which it is situated and of the Allahabad and Mysore Univs. are recognized.

WOMEN'S EDUCATION. Arrangements have been made for giving both formal and tutorial teaching to women students of the B.A. classes separate from men, in the Women's Dept. of the Univ. The number of lady lecturers sanctioned for the purpose is six. At present the Univ. has not made similar arrangements for postgraduate or science students. B.A. (Home Arts) and B.Sc. (Home Sciences) courses for women began in 1948.

SCHOLARSHIPS FOR GRADUATES. The Univ. awards annually 9 Research Scholps. of Rs. 50 each (1 yr.) in Arts and 5 in Science. The Univ. also awards annually 4 Scholps. of Rs. 15 p.m. and 2 of Rs. 20 p.m. each (1 yr.) to women graduates; 2 D.Sc. and D.Litt. Scholps. of Rs. 100 p.m. (2 yrs.); 6 M.A. and 6 M.Sc. Scholps. of Rs. 30 p.m. each (2 yrs.) and 2 M.Com. Scholps. of Rs. 30 p.m. each (2 yrs.).

PUBLICATIONS. *Calendar*, Rs. 10; *Univ. Examns. Prospectus*, Rs. 3; *Univ. Minutes*, Rs. 5; *University Magazine*, Rs. 2.8 p.a.; *University Studies*, Rs. 7.8; *Indian Journal of Economics*, Rs. 12 p.a.; *Annual Report*.

THE YEAR 1948–49

STUDENTS. Full-time: 4560.

DEGREES. B.A. (Pass), 619; M.A., 370; D.Phil., 26; B.Com. (Pt. II), 128; M.Com., 48; LL.B., 116; B.Sc. (Pass), 148; M.Sc., 56; D.Sc., 1; B.Sc. (Ag.), 28; B.Sc. (Ag. Eng.), 14; M.Ed., 29.

ANDHRA UNIVERSITY

WALTAIR

Founded 1926

CHANCELLOR—H.E. Commodore SHRI SIR RAOL KRISHNA KUMARSINHJI BHAVSINHJI, K.C.S.I, Maharaja of Bhavanagar.

PRO-CHANCELLOR—SHRI MAHARAJAH VIKRAMA DEO VARMA GARU OF JEYPORE, D.Litt.

VICE-CHANCELLOR—V. S. KRISHNA, B.A. Oxon., Ph.D. Vienna.

REGISTRAR—K. V. GOPALASWAMY, M.A. Oxon.

DEPUTY REGISTRAR—V. NAGARAJA RAO, B.A.

UNIVERSITY ORATORS—Prof. K. R. SRINIVASA IYENGAR, M.A., D.Litt; V. SATYANARAYANA, M.A.

LIBRARIAN—A. RAMAKRISHNA RAO, B.A., F.L.A.

PRINCIPAL OF THE UNIVERSITY COLLEGES—Prof. K. RANGADHAMA RAO, M.A., D.Sc. Madr., D.Sc. Lond.

TEACHING STAFF

UNIVERSITY COLLEGE OF ARTS AND COMMERCE

Commerce

Das, K. K., B.Com. Lond. Actg. Hd. of Dept. and Prof.

Krishnaswami Ayyangar, A. A., M.A. Reader.

Upadrashta, V. K., B A, LL.B. Reader.

Datta, H. K., M.A. (Com.) Reader.

Ramanadham, V. V., B.Com. Lectr.

Seetharamayya, M., M.A. (Com.) Lectr.

Hanumantha Rao, K. S., B.Com. Lectr.

Ramamurti, M. U. B., B.Com. Lectr.

Reddi, G. S. (Hindi) Pandit.

Economics and Sociology

Krishna, V. S., B.A. Oxon., Ph.D. Vienna Hon. Prof.

Sarveswara Rao, B., M.A. Lectr.

Jagannadham, V., B.A., M.Litt., B.L. Lectr.

Narasimham, N. V. A., M.A. Lectr.

Venngopala Rao, P. V., B.A. Lectr.

Subrahrmanya Sastry, K. V., B.A. Actg. Lectr.

English

Srinivasa Iyengar, K. R., M.A., D. Litt. Hd. of Dept. and Prof.

Thyagaraju, A. F., M.A. Lond. Reader.

Muthuswamy, B., B.A. Reader.

Viswanadham, K., M.A. Lectr.

Subba Rao, G., M.A., M.Litt. Lectr.

Raghavacharyula, D. V. K., B.A. Lectr.

French and German

Krishnamachari, S. T., B.A., B.L. Reader.

History and Politics

Venkat Rao, G., M.A., LL.B. Hd. of Dept. and Prof.
Srinivasan, N., M.A., B.Sc. Lond. Reader.
Gopal, S., B.A. Lond., B.L. Reader.
Ramachandriah, O., M.A., Ph.D. Lectr.

Mathematics

Ramaswamy, V., B.A., Ph.D. Camb. Reader.
Nagabhushanam, K., M.A. Reader.
Lakshmanamurty, M., M.A. Lectr.
Satyanarayana Rao, S., B.A. Lectr.
Lingamurty, G., B.A. Lectr.

Oriya

Shodangi, M. Pandit.

Philosophy

Sen, S., M.A., D.Litt., D.Phil. Hd. of Dept. and Prof.
Raju, P. T., M.A., Ph.D., Sastri Reader.
Somasekharasastri, K. (Sanskrit) Pandit.

Telugu

Somayaji, G. J., Vidvan P.O.L., M.A., L.T. Hd. of Dept. and Reader.
Narasimham, K. V. R., M.A., Ph.D. Lectr.
Sastri, D. V., Vidvan Pandit.

Jeypore Vikrama Deo College of Science and Technology

Chemistry

Gopala Rao, G., D Sc. Hd. of Dept. and Prof.
Neelakantam, K., M.A., Ph.D., D.I.C. Prof.
Rahgava Rao, Bh. S. V., M.Sc., Ph.D. Lond Reader.
Ramachandra Rao, L., D.Sc. Lectr.
Venkateswarlu, V., D.Sc. Lectr.
Bala Krishna, K. J., D.Sc. Actg. Lectr.
Rajagopalan, S., M.Sc. Actg. Lectr.
Sriramamurti, V., M.Sc. Micro-Analyst and Demr.
Viswanadham, N., M.Sc. Demr.
Narasimhasastry, M., M.Sc. Demr.
Venkataramanayya, M., B.Sc. Demr.
Purushotham, M., B.Sc. Demr.
Satyanarayana Murty, T. K., B.Sc. Demr.
Neelakanta Rao, S., B.Sc. Demr.
Viswanath, G., B.Sc. Demr.

Geophysics

Sur, N. K., D.Sc., F.N.I. Hd. of Dept. and Prof.
Subrahmanyam, V. P., M.Sc. (Meteorol.) Lectr.
Ramamorti, K. S., M.Sc. (Meteorol.) Asst. Lectr.
Janakiramayya, B, M.Sc. Demr.

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.
Subba Rao, N. S., M.A., Ph.D. Reader.
Rama Rao, B. S., D.Sc. Lectr.
Bhimasenachar, J., D.Sc. Lectr.
Narayana Rao, D. A. A. S., M.Sc. Lectr.
Krishnamurti, Bh., M.Sc. Lectr.
Rama Krishna Rao, V., M.Sc. Lectr.
Suryanarayana Rao, K., B.Sc. Lectr.
Seshagiri Rao, T., B.Sc. Demr.
Sonayajula, Y. V., M.Sc. Demr.

Physics, Applied, including Instruments Manufacturing Section

Krishnaswami Chetti, S. T., M.A. Reader.

Ramasastry, C., M.Sc. Lectr.
Yerrayya Pantulu, V., M.Sc. Technician and Lectr.
Kameswara Rao, T. V., M.Sc. Technician.

Physics, Mathematical

Narasinga Rao, A., M.A., L.T., D.Sc. Prof.
Meenakshi Sundaram, S., M.A., D.Sc. Reader.
Venkatarayuda, T., M.A., Ph.D. Reader.
Rao, P. S., M.Sc. Lectr.
Krishnamurti, T. S. G. Lectr.

Technology

Venkat Rao, C., M.Sc., D.I.C. Hd. of Dept. and Prof.
Rangaswamy, S., M.A., Ph.D. Prof.
Sitapati Rao, D., B.A., B.Sc. (Eng.) Reader.
Dasa Rao, C. J., B.Sc. (Ag.), M.Sc (Tech.) Reader.
Narasinga Rao, M., D.Sc. Reader.
Ramachandra Rao, P., D.Sc. Reader.
Venkateswarlu, A., M.Sc. Lectr.
Rao, V. S., M.Sc. Lectr.
Subramanian, S. S., M.Sc. Lectr.
Ramachandra Rao, P., M.Sc. Lectr.
Narasimhamurty, G. S. R., M.Sc. Lectr.
Raghavacharyulu, M. V., M.Sc. Demr.
Venkateswara Rao, V., M.Sc. Demr.

Physical Education

Sudarsana Rao, K., B.A., Dip. Phys. Educ. Director.

Erskine College of Natural Sciences

Botany

Ranga Swami Iyengar, G. N., F.N.I. Prof. and Hd. of Dept.
Venkateswarlu, J., D.Sc. Reader.
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.
Rao, K. V. S., B.Sc. Demr.
Sastri, R. L. N., B.Sc. Demr.
Gopal Rao, E. V. S. S. S. V., B.Sc. Demr.

Geology

Mahadevan, C., M.A., D.Sc. Prof.
Rajagopalan, C., M.Sc. Lectr.
Doraiswamy, M. S., M.Sc. Lectr.
Narasingo Sathapathi, M.Sc. Lectr.
Umamaheswara Rao, G. V., M.Sc. Lectr.
Srirama Das, A , M Sc. Lectr
Murty, P. B. W., M.Sc. Lectr.
Rao, M. P., M.Sc. Lectr.

Zoology

Aiyer, R. G., M.A., L.T., M.Sc. Liv. Prof.
Rao, T. S. S., B.Sc. Lectr.
Nair, K. K., M.Sc. Lectr.
Dutt, S., B.Sc. Demr.

University College of Law

Raman, S. V., B.A., M.L. Prof.
Balasubrahmanyam, V., B.Sc., M.L. Lectr.
Hanumantha Rao Darya, K., M.A., B.L. Lectr.
Satyanarayanamurty, B., B.A., B.L. Lectr.

CONSTITUENT HONOURS COLLEGES

WALTAIR, *Erskine College of Natural Sciences.* Provides instruction in B.Sc. (Hons.) in Geology, Botany and Zoology, B.Sc. (Pass) in Geology, and B.Sc. (Pass) in Botany and Zoology.

WALTAIR, *Jeypore Vikrama Deo College of Science and Technology.* Provides B.Sc. Hons., Post-Hons. and Research courses in Physics, Chemistry and Technology and Post-Hons. courses in the Chemistry (including Microscopy) of Foods, Drugs and Water and in Applied Physics, and also M.Sc. course in Geophysics.

WALTAIR, *University College of Arts and Commerce.* Provides Pass, Hons. and Research courses in Mathematics, Philosophy, Hist., Econ., Politics, Telugu, English and Commerce.

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—C. M. John, B.A.

COCANADA, *Engineering College.* Principal—V. H. Sadarangani, B.E., B.Sc. Edin.

GUNTUR, *Medical College.* Principal—K. Govinda Menon, B.A., M.B., B.S., M.Sc.

GUNTUR, *St. Joseph's Training College for Women.* Principal—Sister Mary Stanislas, B.A., L.T.

RAJAHMUNDRY, *Government Training College.* Principal—K. Satyanarayana, M.D. 10 other teachers.

VIZAGAPATAM. *Andhra Medical College.* Principal—N. G. Pandalai, M.D., D.T.M., F.R.C.P.Ed. 53 other lecturers.

AFFILIATED COLLEGES, FIRST GRADE

COCANADA, *Pithapur Rajah's College.* Principal—P. Bhadriah, M.A. 61 other teachers.

GUNTUR, *Andhra Christian College.* Principal—Rev. C. H. Swavely, M.A., S.T.M. 56 other teachers.

MASULIPATAM, *Hindu College.* Principal—P. V. Seshagiri Rao, M.A., B.L. 57 other teachers.

NELLORE, *Venkatagiri Raja's College.* Principal—K. Satchidanandam Pillai, M.A., L.T. 27 other teachers.

RAJAHMUNDRY, *Government Arts College.* Principal—K. V. Purmiah, M.A., B.Ed. 27 other teachers.

VIZAGAPATAM, *Mrs. A. V. N. College.* Principal—S. P. Naidu, M.A., L.T. 23 other teachers.

VIZIANAGARAM, *Maharaja's College.* Principal—A. L. Narayan, M.A., D.Sc., F.N.I. 35 other teachers.

BEZWADA, *S.R.R. & C.V.R. College.* Principal—M. Raghavacharyula, M.A. 13 other teachers.

BHIMAVARAM, *West Godavari Bhimavaram College.* Principal—P. Ramaswamy, M.A.

GUNTUR, *Hindu College.* Principal—V. Subba Rao, M.A. 36 other teachers.

AFFILIATED COLLEGES, SECOND GRADE

ELLORE, *Sir C. Ramalinga Reddy College.* Principal—D. S. Subrahmanyam, M.A., B.Ed.

GUNTUR, *Government College for Women.* Principal—Miss P. Sithammal, B.A. Oxon., L.T. 6 other teachers.

MASULIPATAM, *Andhra Jateeya Kalasala.* Principal—S. T. G. Varadachari, M.A.

NARASAPUR, *Narasapur College.* Principal—V. Subba Rao, M.Sc., B.Ed.

ORIENTAL COLLEGES

GUNTUR, *Saradaniketanam.* Principal—Vidwan Srimathi M. Savithri Devi.

KOVVUR, *S.V.J.V. Sanskrit College.* Principal—K. N. Appa Rao, M A., U.B.P.

MASULIPATAM, *Narasimha Sanskrit College, Chittigudur.* Principal—S. T. G. Varadachari.

NELLORE, *Sanskrit College.* Principal—G. Hanumantha Sastry, Vidya Bhushana Vidyapravena.

RAJAHMUNDRY, *Andhra Women's Sanskrit College.* Principal—B. Kamakshamma.

TENALI, *Kota Lakshmiah Naidu Sanskrit College.* Principal—K. Subbaramiah, Ubhayabhasha Praveena.

VIZIANAGARAM, *Maharaja's Sanskrit College.* Principal—T. Norasimhachari, M.A.

VIZIANAGARAM, *Maharaja's Music College.* Principal—D. Venkataswami Nayudu.

GENERAL INFORMATION

The Act of the Madras Legislative Council constituting the Andhra Univ. "in and for the Telugu districts of the Presidency of Madras" received the assent of the Governor-General on Jan. 13, 1926, and came into force on April 26, 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.: Vizagapatam, 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 for teaching and medical degrees, and "Special Grade Colleges," 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. 46,181 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.Sc., B.Sc. Hons.; M.Sc., M.Sc. Hons.; B.Com., B.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. Doctorate 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). Certificates of Proficiency in Oriental Learning. Diplomas in French, German and Librarianship.

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); *Annual Register* (Univ. Authorities, Staff, Text-books, Endowments, Graduates, Affiliated and Recognized Colls.); *Annual Report*; *Minutes*.

THE YEAR 1948–49

BENEFACTIONS. Rs. 1,60,625, bringing the total amount received by the Univ. up to the end of 1948–49 to Rs. 27,62,658.

NEW BUILDINGS. New Schemes under construction—Andhra Univ. Chancellery and Houlana Abdul Kalam Agerd Pharmaceutical Lab.

OTHER DEVELOPMENTS. Two colleges affiliated. M.Sc. course in Math. Physics, and M.Sc. course in Geophysics, begun. Diploma course in Librarianship revived.

CHANGES IN STATUTES AND REGULATIONS. The following were among the changes adopted. *Statutes*: (1) Relating to membership of Boards of Studies. (2) relating to fees for recognition of oriental colleges. *Regulations*: (1) Conditions of admission of matriculants into I.Sc. courses. (2) Total or partial exemption to I.Sc. candidates from pre-registration examn. (3) Submission of theses for the M.D. and M.S. degree examns. made compulsory.

RESIGNATIONS. Profs. S. Bhagavantham and T. Vijayaraghavan.

HONORARY DEGREE. *D.Litt.*—Sri B. Pattabhi Sitaramayya.

STUDENTS. Full-time : 944.

DEGREES. B.A., 549 ; B.A. (Hons.), 53 ; M.A., 14 ; B.Com., 97 ; B.Com. (Hons.), 13 ; B.Ed., 122 ; B.Sc., 206 ; B.Sc. (Hons.), 32 ; M.Sc., 14 ; M.B., B.S., 49 ; M.S., 3 ; D.Sc., 3 ; Ph.D., 1 ; M.Sc. (by Research), 13 ; M.A. (Hons.), 1 ; M.D., 1.

ORIENTAL TITLES. Vidya Praveena, 10 ; Bhasha Praveena, 40 ; U.B.P., 2.

ANNAMALAI UNIVERSITY

Founded 1928

Address—Annamalainagar, Madras Presidency, South India.

CHANCELLOR—H.E. THE GOVERNOR OF MADRAS.

PRO-CHANCELLOR AND FOUNDER—Rajah Sir M. A. MUTHIAH CHETTIAR OF CHETTINAD, B.A.

VICE-CHANCELLOR—S. G. MANAVALA RAMANUJAM, M.A., Ph.D. Lond., D.I.C.

REGISTRAR—S. SATCHIDANANDAM PILLAI, B.A., L.T.

BURSAR—K. P. KANDASWAMI PILLAI.

LIBRARIAN—K. NAGARAJA RAO, M.A., B.L.

TEACHING STAFF

Botany

Singh, T. C. N., D.Sc. Prof.
Rangaswami Ayyangar, K., M.Sc. Lectr.
Srinivasan, C., B.Sc. Lectr.
Venugopalan, S , B.Sc. Demr.

Chemistry

Baliah, V., M.Sc., Ph.D. Stanf. Prof.

Lecturers

Krishnamurti, S., M.A., M.Sc.
Ramanujam, V. V., B.Sc.
Shanmuganathan, Sp., B.Sc.
Ramaswami, Pl., M.A.
Tiruvenkatachari, V., M.Sc.
Gopalakrishnan, V., B.Sc.
Varadachari, R., B.Sc. Demr.
Rangarajan, T., B.Sc. Demr.
Ekambaram, A., B.Sc. Demr.

Economics

Chandrasekar, S., M.A., M.Sc., Ph.D. N.Y. Prof.
Ramakrishna Ayyar, V. G., M.A. Reader.
Muniswami, M. K., M.A., B.L. Lectr.
Lakshmanaswami, V., M.A. Lectr.
Ramaswami, A., M.A., M.Litt. Lectr.
Subbiah, A., M.A. Lectr.

Engineering, v. *infra*

English

Duraiswamy, M. S., M.A. Prof.
Subrahmanya Ayyar, A. C., M.A. Reader.

Lecturers

Myleru, C. R., M.A.
Sethuraman, V. S., M.A.
Gopalakrishnan, G., M.A.
Sitaraman, M. V., B.A.
Subrahmanyan, S., B.A.
Satchidanandam, V., B.A.

Tutors

Venkatarama, Ayyar, K. S., B.A.
Bhagirathi Ammah, Miss A., M.A.
Balakrishnan, G. S., B.A.
Chidambaram, I. D., M.A.
Thangryyan, Mrs. S., M.A.

French

Clovis, A., Bacc. Paris Lectr.

History and Politics

Sathianatha Ayyar, R., M.A. Prof.
Krishnaswami, A., M.A. Lectr.

Srivirarayan Raja, P. K., M.A., M.Litt. Lectr.
Thangaiyan, C., M.A. Lectr.
Balasubramanyan, D., M.A. Lectr.
Tirugnanasambandam, S., M.A. Lectr.

Malayalam

Kochukrishna Kurup, K., Vidvan Lectr.

Mathematics

Krishnaswami Ayyangar, G. V., M.A. Prof.
Ganapati Ayyar, V., M.A., D.Sc. Reader.

Lecturers

Rangaswami Ayyar, K., M.A., Ph D.
Krishnamurti, V. S., M.A.
Guruswami, T. K., B.A.
Krishnamurthi, V., M.A.
Veeraraghavan, T., B.Sc.
Ramachandran, M. R., B.A.
Ganesan, N., B.A.

Music

Subrahmanya Pillai, C. Prof.

Lecturers

Balakrishnan, P., B.A., Dip. Mus.
Sivavadivel Pillai, K. S. (Violin).
Gomati Sankara Ayyar, V. S. (Vina).
Swami Ayyar, V. (Mridangam).
Nilamegam Pillai, R. (Violin).
Radhalakshmi, M. (Vocal).
Vajravelu Mudaliar, P. (Vocal).
Sivasubrahmanya Pillai, T. N. (Vocal).
Subrahmanya Mudaliyar, M. (Thevaram).
Vaidyalingam Pillai, P. (Vocal).
Gowri Kumari, Miss M. G.

Philosophy

Ramanujachariar, R., M.A. Prof.
Jesudas, D. I., M.A., M.Litt. Lectr.

Physics

Navanithakrishna, T. P., M.A. Prof.
Viswanathan, R. K., M.A. Reader.
Narayanaswami Ayyar, S., M.A. Lectr.
Sriraman, S., M.A., M Sc. Lectr.
Vijayaraghavan, K., M.A., M.Sc. Lectr.
Sundaram, S., M.A. Lectr.
Visweswaran, K., M.A. Lectr.
Tirugnanasambandam, P., B Sc. Lectr
Balasubrahmanyan, M., B.Sc., M.A. Demr.
Govindarajan, M. S., B.Sc Demr.

Sanskrit

Venkateswaran, C. S., M.A., Ph.D., Siromani Lectr.

Lecturers

Venkatarama Dikshitar, T., Siromani.
Sivaramakrishna Sastriar, K. A., Siromani.
Panchapagesa Sastriar, P., M.O.L., Siromani.
Subrahmanya Sastriar, V., Siromani.
Srinivasachari, K., Siromani.
Guruswami Sastriar, R., Siromani.
Natarajan, M., M.A.
Seshadri Acharya, V. K., B O.L. Vidvan Siromani.

Tamil

Chidambaranatha Chettiar, A., M.A., Ph.D. Prof.

Lecturers

Ramanathan Chettiar, L. P. Kr., Vidvan, Pandita.
Bhuvaraham Pillai, A., Vidvan.
Arunachalam Pillai, M., Vidvan.
Amirthalingam Pillai, R. P., Vidvan.
Somasundaram Pillai, V. M., Vidvan.
Chintamani, K. N., B.O.L.
Shanmugam, M., M.A.
Ramaswami, A., M.A.

John, Miss L. R., B.A.
Muthuswami Pillai, M., Vidvan.
Chinnathambi, D., M.A. Tutor.

Research Department

Lecturers

Subrahmanya Pillai, G., M.A., B.L., Vidvan.
Varadaraja Ayyar, E. S., B.A.
Sadasiva Pandarathar, T. V.
Duraiswami Pillai, A. S.
Vellaivaranam, K., Vidvan.

Telugu

Subbaraghava Kavi, K V., Vidvan Lectr.

Urdu and Hindi

Rasool, G. Lectr.

Zoology

Seshaiya, R. V., M.A. Prof.
Balasubrahmanyan, T. S., M.Sc Lectr.
Rajakrishna Menon, P. N., B.Sc. Lectr.
Sankaramurthi, P., B.Sc. Lectr.
Chakrapani, K., B.Sc. Demr.

Engineering and Technology

Civil E.

Chakko, K. C., B.A., D.Sc. Lond. Prof. and Hd. of Dept.
Ramaswami, G. S., M.S., C.E. C.I.T., B.E. Prof.
Krishnamurthy Rao, J., B.A., B.E. Asst. Prof.
Alexander, G., B.Sc., B.E. Asst. Prof.
Narendranath, S., B.E. Asst. Prof.
Kannan, M., B.E. Asst. Prof.

Lecturers

Arumugaperumal Pillai, P.
Norman, C., B.E.
Sethunarayanan, R. M., B.E.
Rajagopalan, N., M.Sc. (Geol.)
Suryanarayanan, D., B.E.
Anadakrishnan, N. A., B.E.
Shaukat Ali, N. K. S., B.E.
Vigayaragavan, W. D., B.E.
Manichavelu Mudaliar, M. Draughtsman.

Electrical E.

Bhandari, R. C., B.Sc. Panj., B.Sc. Manc. Prof.
Rama Rao, M. V., B.Sc. Asst. Prof.
Balasundaram, V., B.Sc. Asst. Prof.
Govinda Rao, C. V., B.Sc., B.E. Lectr.
Seshachari, V. V., B.Sc. (Eng.) Ban. Lectr.
Sarangapani, G. Draughtsman.

Mechanical E.

..... Prof.
Rajaram, C., B.A., B.E. Asst. Prof.

Lecturers

Srinavasamurti, B., B.Sc., B.E.
Ramanathan, K., B.Sc. (Eng.)
Ramamurti, C., B.E.
Kannappan, S., B.E.
Fernandez, A. V. J., B.E.
Chandrasekaran, N., B.E.
Xavier, Susan Draughtsman.

Technology

..... Prof.
Narayan Das, B., M.Sc. Cal. Asst. Prof.
Lakshmanan, S., M.Sc. (Tech.) Asst. Prof.
Bhimeswara Rao, P., M.Sc. (Tech.) Lectr.
Krishnan, S., B.Sc., B.Sc. (Tech.) Lectr.
Ganapathy, K., B.Sc. Lectr.
Deoras, V. D., B.Sc., B.Sc. (Tech.) Nag. Lectr.
Adivarahan, P., B.Sc., B.Sc. (Tech.) Asst. Lectr.

Physical Education

Govindarajalu, L. K., B.A., B.L. Director.
Aiyaru, C. Asst.
Venkataraman, E., B.Sc. Asst.
Sabapathy, V., B.Sc. Asst.
Kalyanasundarammal, Mrs. C. Asst.

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 (for a period of 10 years from May 15, 1929), and (7) the Board of Selection. The Chancellor, 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.

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. R. Satyanatha Ayyar; Science, Prof. G. V. Krishnaswami Ayyangar; Oriental Studies, Prof. A. Chidambaranatha Chettiyar (Tamil); Engineering and Technology, Prof. K. C. Chakko.

ADMISSION. Holders of completed School Leaving Certificates under the S.S.L.C. 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. B.A., B.A. (Hons.); B.Sc., B.Sc. (Hons.); M.A., B.O.L., M.O.L. (Oriental Learning); B.E. and B.Sc. (Tech.); M.Litt. and M.Sc., Ph.D., D.Litt. and D.Sc. (research degrees).

DIPLOMAS. Titles in Oriental Learning (Vidvan, Pulavar and Siromani) and Music (Sangita Bushana)—4 yrs.' course in each case.

RECOGNITION OF EXAMNS. of other Univs. Examns. of all statutory Indian Univs. are recognized for purposes of admission.

FEES. Tuition, per term: B.A., B.A. (Hons.), B.Sc., B.Sc. (Hons.), Rs. 60; Science students, Rs. 3-8 addnl., plus deposit fee, Rs. 15. Admission, Re. 1; Games (Phys. Training), Rs. 3.

BOARDS OF STUDIES. English, Philos., Hist., Econ., Maths., Physics, Chem., Bot., Zool., Tamil, Indian Music, Sanskrit, Dravidian languages other than Tamil, French and Engineering and Technology.

LIBRARY. 78,303 volumes.

LABORATORIES. Physics, Chemistry, Botany, Zoology, Engineering and

Technology, 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. 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.

RESEARCH. Studentships tenable 2 yrs., value Rs. 50 per mensem. Fellowship tenable in India and abroad, value Rs. 125 to Rs. 150 per mensem.

PUBLICATIONS. *Calendar* (once in three years), Rs. 6; *Annual Report* (April); *University Journal* (October, Jan. and April); *Students' Handbook* (July), Re. 1.

THE YEAR 1948–49

BENEFACTION. Rs. 500 from Rao Bahadur N. Viswanatha Tyer.

STUDENTS. Full-time: 1596, including 49 graduates.

DEGREES. Ph.D., 1; M.Litt., 1; M.Sc., 1; M.A., 40; B.A. (Hons.), 44; B.A., 47; B.Sc. (Hons.), 17; B.Sc., 58; B.O.L., 1; B.E., 29.

BANARAS HINDU UNIVERSITY

Founded 1916

Address—Banaras, U.P.
Telegrams—" University, Banaras."

LORD RECTOR—THE PRESIDENT OF THE REPUBLIC OF INDIA.

VISITOR—H.E. THE GOVERNOR OF UTTAR PRADESH (U.P.).

CHANCELLOR—H.H. THE MAHARAJADHIRAJ SIR GEORGE JAYAJI RAO SCINDHIA, G.C I.E , of Gwalior.

PRO-CHANCELLORS—The Hon. MAHARAJADHIRAJA SIR KAMESHWAR SINGH BAHADUR, K.C.I.E., LL.D., D Litt , of Darbhanga ; and H.H. MAHARAJA BHIM SINGHJE SAHEB, K.C.S I., of Kotah.

VICE-CHANCELLOR—Pandit GOVIND MALAVIYA, M.P., M.A., LL.B.

PRO-VICE-CHANCELLOR—P. PARIJA, D.Sc., F.N.I.

TREASURER—Shri JYOTIBHUSHAN GUPTA.

REGISTRAR—Pandit G. P. MEHTA, M.A.

CONSTITUENT COLLEGES OF THE UNIVERSITY

COLLEGE OF ARTS (C.H.C.). Principal—.....

CENTRAL HINDU COLLEGE (KAMACHHA). Principal—K. P. S. Malani, M.A.

COLLEGE OF SCIENCE. Principal—S. S. Joshi, D.Sc. Lond.

SANSKRIT MAHAVIDYALAYA (COLLEGE OF ORIENTAL LEARNING AND THEOLOGY). Principal—Pandit K. P. Misra.

TEACHERS' TRAINING COLLEGE. Principal—H. B. Malkani, M.A. Bom.

COLLEGE OF TECHNOLOGY. Principal—P. S. Verma, M.Sc.

ENGINEERING COLLEGE. Principal—M. Sengupta, B.Sc. Calc. and Glas., F.I.P. Ind.

COLLEGE OF MINING AND METALLURGY. Principal—D. Swarup, B.Sc., Ph.D. Sheff.

COLLEGE OF AGRICULTURE. Principal—J. C. Luthra, Ph.D. Lond.

LAW COLLEGE. Principal—G. B. Joshi, M.A., LL.M.

WOMEN'S COLLEGE. Principal—Mrs. K. G. Venkateshwaram, M.A.

AYURVEDIC COLLEGE (AG.). Principal—M. S. Verma, M.B., B.S.

KALA SANGITA BHARATI (COLLEGE OF MUSIC AND FINE ARTS). Principal —S. M. P. O. N. Thakur.

BHARATI MAHAVIDYALAYA (COLLEGE OF INDOLOGY). Principal—R. C. Mazumdar, Ph.D. Lond.

DEPARTMENT OF LIBRARY SCIENCE. Director—D. Subrahmanyam, M.A.

GENERAL INFORMATION

The University was founded in 1916. For early history, *see Yearbook* for 1930.

The Univ.'s assets at March 31, 1949, incl. capitalized value of perpetual annual grants Rs. 13,02,919, are valued at Rs. 309,33,812.

The *Court*, the supreme Governing Body of the Univ., includes representatives of benefactors, graduates, the Senate, the Jain and Sikh communities, Hindu religion and Sanskrit learning, the learned professions. The *Senate*, the Supreme Academic Body, includes (1) the Chancellor, Pro-Chancellors, Vice-Chancellor, Pro-Vice-Chancellor, Univ. Profs., and Principals or Heads of Colleges as *ex-officio* members; (2) 5 members nominated by the Visitor; (3) elected members, including representatives of the Court, of Hindu religion and Sanskrit learning, and graduates. The *Council* and *Syndicate* are the executive bodies of the Court and Senate respectively.

LIBRARY. Over 175,000 vols. LABORATORIES: Chem., Physics, Zool., Bot., Geog., Agriculture, Geol., Ceramics, Glass Technol., Pharmaceutics, Mining and Metallurgy. The Engineering College laboratories include a shop equipped for manufacturing machines, smith and paint shops, an iron and brass foundry and a motor-car repair shop; the Univ.'s own power-house and water-works are also attached to the College.

ADMISSION. The Univ. is open to all persons irrespective of nationality, class, creed, religion or sex. Provision is made for religious instruction and examination in the Hindu religion for Hindu students. Women are eligible for admission to the Univ. and its examns. and degrees as regular students and also as private candidates at all its examns.

FACULTIES. Oriental Learning, Theology, Arts, Science, Technology, Law, Med. and Surgery (Ayurveda), and Music and Fine Arts.

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. (Agric.), B.Sc.Tech. (Chem. Eng. and Tech.), M.Sc., Ph.D., D.Sc., M.Sc. (Agric.), M.Sc. (Ind. Chem.), M.Sc. (Glass and Ceramics), M.Pharm., A.M.S., Shastri, Chakravarti, Vachaspati, Acharya, LL.B., LL.M., LL.D., B.Ed., M.Ed., Ph.D., D.Sc., D.Litt., Sangitalankar, Sangitacharya, Sangitamartand.

DIPLOMAS. Mod. European Langs., Library Science, Paurohitya, Soap Manufacture, Metal Enamelling, Pottery and Porcelain, Music, Painting, Sculpture, Education.

RESIDENCE. Every student is required to live in one of the Univ. Hostels, or, subject to the approval of the Pro-Vice-Chancellor, with parents or guardians. There are 15 hostels, accommodating 4000 students, and about 300 residences on the Campus for members of the staff.

SCHOLARSHIPS. 20 for Arts and Science students of merit, 20 for Teachers' Training College. Numerous other College as well as Endowment Scholps. in every College. 15 per cent of the students in each college are given free tuition. In the Sanskrit Mahavidyalaya, no College or Hostel fee is charged.

PUBLICATIONS. *Calendar* (occasionally); *Magazine* (quarterly).

THE YEAR 1948–49

STUDENTS. Total: 5555; all of whom are full-time students; the total includes 256 women and 1026 postgraduates.

DEGREES. B.Sc. (Hons.), 5; B.A., 362; M.A., 158; Ph.D., 4; D.Litt., 6; B.Ed., 128; M.Ed., 18; B.Sc., 127; M.Sc., 57; D.Sc., 4; B.Sc. (Ind. Chem.), 52; M.Sc. (Ind. Chem.), 18; B.Com., 111; M.Com., 18; B.Sc. (Agric.), 28; M.Sc. (Agric.), 11; B.Pharm., 20; M.Pharm., 3; B.Sc. (Glass), 13; B.Sc. (Ceramics), 14; M.Sc. (Ceramics), 1; B.Sc. (Eng.), 80; B.Sc. (Min.), 11; B.Sc. (Met.), 46; A.M.S., 36; Shastri, 24; Acharya, 16; Vachaspati, 1; LL.B., 77.

UNIVERSITY OF BOMBAY

Founded 1857

CHANCELLOR—H.E. THE GOVERNOR OF BOMBAY.

VICE-CHANCELLOR AND CHAIRMAN OF THE SYNDICATE—The Hon. Mr. JUSTICE N. H. BHAGWATI, M.A., LL.B.

REGISTRAR—S. R. DONGERKERY, B.A., LL.B.

UNIVERSITY SCHOOL OF ECONOMICS AND SOCIOLOGY

Prof. of Economics—C. N. Vakil, M.Sc. (Econ.) Lond., F.S.S., M.A.
Reader in Economics—D. T. Lakdawala, M.A., Ph.D.
Lectrs. in Economics—D. R. Samant, M.A.; B. V. Krishnamurthy, M.A., Ph.D.
Reader in Agric. Economics—M. L. Dantwala, M.A.
Lectrs. in Agric. Economics—M. B. Desai, M.Com., Ph.D.; V. V. Sayana, M.A., Ph.D.
Prof. in Sociology—G. S. Ghurye, Ph.D. Camb., M.A.
Lectrs. in Sociology—K. M. Kapadia, Ph.D.; G. Sabnis, Ph.D.
Sir Pherozeshah Mehta Prof. of Civics and Politics—M. Venkatarangaiya, M.A. Madr.
Edwin Montagu Lectr. in Politics—R. Pratapgiri, M.A.

UNIVERSITY DEPARTMENT OF CHEMICAL TECHNOLOGY

Mody Prof. of Chem. Technol. and Director of Dept.—K. Venkataraman, M.A. Madr., D.Sc. Manc., Ph.D., M.Sc. (Tech.), F.R.I.C., F.N.I.

Chemical Technology: Res. Asst.—K. H. Shah, B.Sc. (Tech.), Ph.D. Singhanee Demr.—L. N. Mankad, B.Sc., B.Sc. (Tech.).

Chemical Engineering: Singhanee Reader—G. P. Kane, Ph.D. Lond., M.Sc., D.I.C. Singhanee Lectr.—..... Singhanee Demr.—B. M. Agshikar, B.Sc., B.Sc. (Tech.). Demr.—B. L. Dalal, B.Sc., B.Sc. (Tech.).

General Engineering: Singhanee Lectr.—M. V. Joshi, B.Sc. (Tech.), B.E. (Mech. and Elec.). Demr.—(Vacant).

Dyestuff Technology: Prof.—R. D. Desai, D.Sc. Lond., B.A., M.Sc., F.R.I.C., F.N.I. Demr.—V. K. Dikshit, M.S. Brooklyn, B.Sc. (Tech.).

Dyeing and Printing: Reader—G. M. Nabar, Ph.D. Manc., B.A., M.Sc., M.Sc. (Tech.). Tech. Asst.—K. S. Bhujang, B.Sc., M.Sc. (Tech.). Demr.—C. B. Kothari, B.Sc., B.Sc. (Tech.).

Oils, Fats and Soaps: Sir Homi Mehta Reader—J. G. Kane, Ph.D. Wisconsin, M.Sc. Demrs.—G. K. Belekar, B.Sc., B.Sc. (Tech.), (On deputation); B. Sreenivasan, B.Sc., B.Sc. (Tech.).

Pharmaceutical Chemistry: Sir Dorabji Tata Reader—M. L. Khorana, B.S. (Pharm.), M.S. Mich. Demrs.—T. B. Panse, M.Sc., Ph.D. (on deputation); Manik B. Vangikar, B.Sc., M.Sc. (Tech.).

Plastics, Paints and Varnishes: Sir Homi Mehta Reader—N. R. Kamath, B.Sc., B.Sc. (Tech.). Sir Homi Mehta Demr.—D. B. Vidwans, B.A., B.Sc., B.Sc. (Tech.).

Colour Chemistry: Reader—B. D. Tilak, D.Phil. Oxon., B.Sc. (Tech.), Ph.D. Demr.—V. V. Ghaisas, B.Sc., B.Sc. (Tech.).

Foods and Drugs: Lectr.—A. Sreenivasan, M.A., D.Sc. Madr., F.R.I.C. Demr.—H. R. Pithawala, B.Sc., B.Sc. (Tech.).

Industrial Optics: Singhanee Lectr.—.....
Fuel Technology: Lectr.—G. S. Tendolkar, Ph.D. Sheff., B.Sc. (Tech.).
Pharmacy: Singhanee Lectr.—(Vacant).
Experimental Dyeing: Lectr.—(Vacant).
Sr. Analyst: S. M. Kaji, Ph.D., M.Sc. (Tech.).
Micro-Analyst: T. S. Gore, B.Sc., B.Sc. (Tech.).
3 Analysts, 12 Pt.-time Lectrs. in Costing and Estimating, Maths., Manufacture of Yarn and Cloth, Design Applied to Textile Printing, Indust. Organization and Indust. Relns., Construction of Works, Mechan. and Elect. Engin. Lab. Practical, Pharmacol., Physiol., Pharmacognosy, Technology of Pharmaceuticals-Pharmacy, Microbiol. and German.

UNIVERSITY DEPARTMENT OF STATISTICS

Reader in Statistics and Head of the Dept.—M. C. Chakrabarti, M.Sc. Dacca.
Lectr.—K. S. Rao, M.A. Andhra; Actg. Lecturer, V. N. Murti, M.A. Andhra, and two Demrs.

AFFILIATED INSTITUTIONS RECOGNIZED IN DEGREE COURSES *

(*Note.*—Colleges are affiliated for teaching courses of studies leading to the various degree examns. The Univ. is directly responsible for postgraduate teaching and research The teaching is done and research conducted directly through the Univ. Depts. and indirectly through recognized Univ. Teachers in affiliated coll. and postgraduate institutions.)

ARTS COLLEGE

BOMBAY, *Sophia College for Women.* Under control of Society for Higher Educn. of Women in India. In Arts for B.A. Principal—Rev. Mother W. Ward, B.A. Lond., M.A. Oxon. 15 other Profs. and Lectrs.

SCIENCE COLLEGE

BOMBAY, *The Institute of Science* (Govt.). In Science for B.Sc. Principal—M. Prasad, D.Sc., F.R.I.C., F.N.I. 6 other Profs., 9 Lectrs. and 12 Asst. Lectrs.

ART AND SCIENCE COLLEGES

ANDHERI (B.S.D.), *Megji Mathradas College of Arts and Narrondass Manordass Institute of Science.* Under the control of Exec. Council of the Bharatiya Vidya Bhavan. In Arts for B.A. and in Science for B.Sc. Principal—V. N. Bhusan, M.A. 27 other Profs. and Lectrs.

BOMBAY, *Elphinstone College* (Govt.). In Arts for B.A. Principal—N. L. Ahmad, M.A., B.Litt. Oxon. Other Profs.: *Engl.*—C. R. Shah, M.A.; M. V. Rajadhyaksha, M.A.; Mrs. Kamal Wood, M.A., B.Litt. Oxon.; K. R. Mahishi, M.A. *French*—S. P. Taraporwala, M.A., LL.B. *Sansk.*—R. P. Kangle, M.A. *Chem.*—C. L. Mankodi, B.A., M.Sc. *Gujarati*—K. B. Vyas, M.A. *German*—R. V. Parajpe, M.A., D.Phil. Munich. *Physics*—M. R. Kapadia, M.Sc. *Biology*—R. E. Cooper, M.Sc. *Logic and Philosophy*—J. N. Chubb, D.Phil. Oxon.; G. N. Mathrani, M.A. Camb., Dip. Ed. Leeds. *Maths.*—G. V. Bhagwat, M.A. *Hist. and Econ.*—K. T. Merchant, B.Sc. Lond.,

* A number of Colls. previously affiliated are now under the jurisdiction of the Univs. of Poona, Karnatak, Baroda, and Gujerat.

M.A., LL.B.; H. K. Paranjpe, M.A.; B. K. Apte, M.A. *Statistics*—V. B. Kamath, B.Sc. Lond., M.Sc. 43 others.

BOMBAY, *Government Law College.* Principal—S. G. Chitale, M.A., LL.B. 9 other Profs. and Lectrs.

BOMBAY, *Grant Medical College* (Govt.). In Med. for M.B., B.S. Principal—D. P. Sethna, F.R.C.S.Ed. Profs.: *Med.*—B. B. Yodh. *Pharmacol.*—J. R. Patel, M.D. *Midw. and Gynæcol.*—V. N. Shirodkar, M.D., F.R.C.S. *Surg.*—V. L. Parmar, F.R.C.S. *Ophth.*—V. K. Chitnis, D.O. *Anæsthesia*—S. G. Talwalkar, D.A. *Phys.*—D. M. Telang, B.Sc., M.D. *Operative Surg.*—S J. Mehta, F.R.C.S. *Anat.*—P. S. Dastur, M.S. *Pathology*—P. V. Gharpure, M.D., D.T.M. & H. 2 Assoc. Profs., 6 Full-time Lectrs., 27 Teachers, 35 Tutors, 12 Full-time Demrs.

BOMBAY, *Jai Hind College.* In Arts for B.A. Principal—T. M. Advani, M.A., LL.B. Vice-Principal—G. G. Kewalramani, M.A. 12 other Profs. and Lectrs.

BOMBAY, *Khalsa College.* 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—D. S. Sodhi, M.A. Michigan. 37 Profs. and Lectrs.

BOMBAY, *Ramnarain Ruia College.* In Arts for B.A. and T.D., and in Science for B.Sc. Principal—B. B. Deshpande, B.A., B.Sc., D.I.C. Profs.: *Zoology*—N. N. Murti. *Maths.*—B. Y. Oke; K. V. Nayak. *Physics*—R. D. Godbole; R. D. Gupte. *Chem.*—B. V. Mohile; V. M. Bhave. *Guj.*—A. B. Yajnik; D. P. Parekh. *Marathi*—N. R. Phatak; D. K. Kelkar. *Sanskrit*—R. R. Deshpande; Mrs. Indira Nalin. *French*—V. G. Hatalkar. *Hindi*—J. C. Jain. *Educ.*—R. W. Joshi. *History*—V. D. Rao. *Economics*—G. D. Parikh. *English*—V. H. Kulkarni; V. T. Yardi. *Philosophy*—N. V. Joshi; S. V. Pandit. *Botany*—S. B. Ranade. 21 other Lectrs.

BOMBAY, *R.A. Podar College of Commerce and Economics.* Under the control of the Shikshana Prasarak Mandali. In Commerce for B.Com. Principal—L. N. Welingkar, B.Sc. (Econ.) Lond. Other Profs.: *Commerce*—G. L. Maini, M.Com.; S. A. Sherlekar, B.Sc., M.A. Agra, M.Com. *Econ.*—M. R. Palande, M.A. *Acctcy.*—V. B. Kirtane, B.Sc., LL.B. *Engl.*—J. G. Pethe, M.A., B.T.; P. M. Tole, M.A. *Actuarial Sci.*—D. D. Markan, B.Sc. *Indian Cotton Indust.*—R. N. Paropkari, M.A., B.Com. *Maths. and Statistics*—U. K. Bhat, M.A.; I. K. R. Rao, M.A., B.L. *Law*—N. K. Desai, B.A., LL.B.; P. G. Kher, B.A., LL.B. 14 other Lectrs.

BOMBAY, *St. Xavier's College.* In Arts for B.A. and T.D. and in Science for B.Sc. The following Fathers, who are in charge of the various Depts. of the College, are on the Teaching Staff: Rev. M. M. Balaguer, S.J., D.D., Ph.D. Lond., Principal. Rev. J. M. Corbella, S.J., M.Sc. M.I.T., D.L. Dub., B.Sc. (Engin.), B.Sc. (Textile), B.A. Barcelona; Rev. J. Duhr, S.J., Ph.D., D.D.; Rev. A. Esteller, S.J., M.A., Ph.D., D.Phil.; Rev. J. Fell, S.J., Ph.D.; Rev. J. Gense, S.J., Ph.D.; Rev. F. Gilmore, S.J., M.A. Oxon.; Rev. P. Gisbert, S.J., Ph.D., S.T.L., B.A., Lic.Phil. et Lit., Ph.D. (Sociol.); Rev. H. Heras, S.J., M.A.; Rev. J. Humbert, S.J., B.A. Lond.; Rev. R. Rafael, S.J., Ph.D., D.D., D.Sc.; Rev. J. Sanmarti, S.J., Ph.D., B.Sc. (Econ.), Ph.D. (Econ.) Lond.; Rev. H. Santapau, S.J., Ph.D., B.Sc., Ph.D. Lond., D.I.C., F.L.S.; Rev. A. Solagran, S.J., M.A., Ph.D., D.D.; Rev. L. Vion, S.J., Lic. ès Sci. Paris. 48 other Profs., 5 Demrs. and 45 Fellows.

BOMBAY, *Secondary Training College* (Govt.). Trains graduates in Arts and

Science for B.T. Principal—Amy B. H. J. Rustomjee, M.A. Camb. 9 other Profs. and Lectrs.

BOMBAY, *Seth G.S. Medical College* (Munic.). In Medicine for M.B., B.S. Dean—R. G. Dhayagude, M.D. Vice-Dean—R. P. Koppikar, M.S. Asst. Dean—V. V. Jadhav, M.B., B.S. Profs.: *Anat.*—R. P. Koppikar, M.S. *Physiol.*—K. C. Batliwalla, M.B., B.S., Ph.D. *Pathology and Bacteriology*—Y. M. Bhende, M.D. 5 Asst. Profs., 1 Asst. Clin. Pathologist, 45 Lectrs. and Hon. Lectrs.

BOMBAY, *Siddharth College.* Under the control of the People's Education Soc. In Arts for B.A. and in Sci. for B.Sc. Principal—V. S. Patankar, M.S., Ph.D. Vice-Principal—H. R. Karnik, M.A., Ph.D. 42 other Profs. and Lectrs.

BOMBAY, *Sir Currimbhoy Ebrahim Memorial Dental College* (Govt.). In Medicine for B.D.S. Principal—D. P. Sethna, F.R.C.S.Ed., Prof. of Dentistry—H. P. Moolgaonkar, M.B., B.S., F.D.S.R.C.S. 14 other Teachers.

BOMBAY, *Sydenham College of Commerce and Economics* (Govt.). In Commerce for B.Com. Principal—S. K. Muranjan, M.A., D.Sc. (Econ.) Lond. Other Profs.: *Accountancy*—P. C. Hansotia, B.Com., F.S.A.A. *Business Orgn. and Cotton Econ.*—E. R. Dhongde, B.A., B.Com. Lond. *Econ. of Transport*—P. S. Rege, B.A., B.Sc. (Econ.) Lond. *Mercantile Law*—U. V. Desai, M.A., LL.B. *Mod. Econ. Develop. and Admin.*—G. B. Kulkarni, M.Com. 16 other Lectrs. and Instrs.

BOMBAY, *Topiwala National Medical College* (*Munic.*). In Med. for M.B., B.S. Principal—S. G. Vengsarkar, M.D. 48 other Teachers.

BOMBAY, *Veterinary College* (Govt.). In Technology for B.Sc. (Vet.). Principal—S. R. Chadha, B.Sc. Panj.; Vice-Principal and Bacteriologist—R. N. Naik. Other Profs.: *Physiology*—J. P. Damri. *Pathology*—K. R. S. Aiyar. *Animal Husbandry*—F. S. Khambata, B.Ag., B.Sc. *Medicine*—S. P. Deshpande. 7 other Asst. Profs. and 7 Lectrs.

BOMBAY, *V.J. Technical Institute.* In Technology for Bachelor of Textiles, B.E. (Mech. and Elec.) and B.E. (Civil). Principal—P. N. Joshi, M.Sc. (Tech.) Manc., F.R.I.C. Other Profs.: *Textile Manufactures*—D. F. Kapadia, M.Sc. (Tech.) Manc., F.T.I. *Mech. Engin.*—B. Sengupto, B.Sc. (Eng.). *Electr. Engin.*—P. K. Kelkar, Ph.D. Liv. *Civil Engin.*—V. H. Acharya, B.Sc. Edin. 50 other Asst. Profs. and Lectrs.

BOMBAY, *Wilson College.* 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.; D. Fraser, B.Sc. Aberd. *Hist.*—Elizabeth G. K. Hewat, M.A., B.D., Ph.D. Edin.; Rev. D. M. Kennedy, M.A. Dub. *Engl.*—R. D. Choksi, M.A.; V. Y. Kantak, M.A.; J. Lyle, B.A. Dub. *French*—B. M. Mehta, M.A. *Gujarati*—P. K. Shah, M.A. *Marathi*—M. D. Altekar, M.A. *Maths.*—G. S. Priolkar, M.A. *Persian*—A. H. Majed, M.A. *Philos.*—G. N. Lawande, M.A., Ph.D. *Physics*—H. J. Taylor, M.Sc. Sheff., Ph.D. Camb.; V. D. Dabholkar, B.A., M.Sc.; J. Alexander, M.Sc., Ph.D. Durh. *Sansk.*—Hari D. Velankar, M.A. *Botany*—J. P. Kotwal, M.Sc. Nag., Ph.D. Camb. *Zool.*—C. J. George, Ph.D., D.I.C. Lond. *Logic*—Rev. T. C. Patterson, B.A. Belf. *Econ.*—Rev. J. Kellock; T. B. Desai, M.A. *Geog.*—G. M. Marathe, M.Com. 30 other Teachers.

JOGESWARI (B.S.D.), *Ismail Yusuf College* (Govt.). In Arts for B.A. Principal—G. C. Bannerjee, M.A. Oxon. 25 other Profs. and Lectrs.

GENERAL INFORMATION

Founded in 1857, the Univ. is a teaching as well as an examining Univ. Affiliated Colleges prepare students for the degree examns. All postgraduate work is undertaken by the Uinv. in co-operation with the affiliated Colls. and recognized Postgraduate Institutions. The Board of Postgraduate Studies co-ordinates postgraduate instruction and research within the Univ. The Univ. School of Economics and Sociology and the Department of Chemical Technology have gained national importance. The new Dept. of Civics and Politics, which started functioning in 1948, forms part of the Univ. School of Economics and Sociology. The new Univ. Dept. of Statistics opened in Oct. 1948.

LIBRARY (established 1869, owing to Premchand Roychand Benefaction, Rs. 4,00,000), 90,000 volumes, excluding Departmental Libraries; 5000 manuscripts. LIBRARIAN—D. N. Marshall, M.A., Dip.Lib.

FACULTIES. Arts, Science, Technol. (including Agric. and Engin.), Law, Medicine and Commerce.

DEGREES. B.A., M.A., D.Litt.; B.Com., M.Com.; LL.B., LL.M.; B.Sc., M.Sc., D.Sc.; B.T., M.Ed.; B.E. (Civ., Mech., Elect.), M.E.; B.Sc. (Tech.), M.Sc. (Tech.); B.Sc. (Agric.), M.Sc. (Agric.); B.Sc. (Vet.); B.Text.; B.Pharm.; M.B., B.S., B.D.S., M.D., M.S., D.Hy.; Ph.D. POSTGRADUATE DIPLOMAS in Ophthalmology (D.O.), Public Health (D.P.H.), Anæsthesia (D.A.), Ear, Nose and Throat (D.L.O.), Medical, Radiol. and Electrol. (D.M.R.E.), Pædiatrics (D.Ped.), Psychol. Med. (D.P.M.), Skin and Venereal Diseases (D.V.D.), Tuberculosis (T.D.D.). OTHER DIPLOMAS—Diploma in Teaching (T.D.), Diploma in Librarianship.

RECOGNITION OF EXAMNS. OF OTHER UNIVS. Recognition given to examns. of only those Univs. and Bodies which reciprocate with this Univ. Important examns. of most Indian Univs. and Boards, some examns. of the Rangoon Univ. Matric., Inter. Arts, Inter. Sc. of London Univ. and School Certif. of Cambridge and Oxford Univs. are recognized. List of recognized examns. is published in *Handbook*, Part II.

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. *Faculty of Technology* for the B.Sc. (Tech.), M.Sc. (Tech.) and Ph.D. (Tech.) courses Rs. 200 (per term) for all. *Faculty of Science* for M.Sc. and Ph.D. courses in Chemistry—Graduates of Univs. in the Bombay Province Rs. 200 (per term), Other Students Rs. 300 (per term); Dept. of Statistics—Rs. 125 per term.

PHYSICAL TRAINING. Physical training is compulsory for the first two years in colleges.

RECREATION. The Univ. Board of Sports organizes the activities of the Univ. in the field of sports. Intercollegiate sports are arranged every year. Individual colleges also provide facilities for indoor and outdoor games. In addition facilities for military training are available in the Battalions of the National Cadet Corps attached to the Univ.

RESIDENCE. Board and lodging at University Hostel and also at Colleges for a limited number of students.

FELLOWSHIPS, SCHOLARSHIPS, ETC., FOR GRADUATES. *Fellowships*: Duke of Edinburgh Fellowship, Rs. 480 p.a. for 2 yrs., awarded every alternate year

or whenever vacant; Sir Dinshaw Wachha Research Fellowship in Econ., Rs. 75 p.m. for 1 yr.; seven Univ. Research Fellowships of Rs. 75 p.m. each in Econ. and Sociol.; Balwantrai Kalwantrai Thakore Research Fellowship in Gujarati, Rs. 75 p.m. for 2 yrs.; Mohabat Fellowship, Rs. 100 p.m. for 2 yrs., awarded every alternate year or whenever vacant; Chaturbhuj Jiwandas Research Fellowship, Rs. 1500 p.a. for 1 yr., renewable in approved cases; twelve Singhanee Fellowships of Rs. 64 each p.m. for 1 yr.; Sir Ness Wadia Fellowship, Rs. 100 p.m., awarded to a student working for M.Sc. (Tech.) or Ph.D. on "Wetting Agents"; and subsidized Research Fellowship available in the Univ. Dept. of Chemical Technology; Ratanji Ranchhodji Desai Research Fellowship, Rs. 550 p.a. for 1 yr.; Hansraj Pragji Thackersey Prince of Wales Fellowship, Rs. 950 p.a. for 1 yr.; Mangaldas Nathubhai Travelling Fellowship, Rs. 650 p.a. for 3 yrs., awarded triennially to Hindu graduates, tenable in Gt. Britain and Ireland and other European countries.

Research Scholarships: Springer Research Scholp., Rs. 100 p.m. for 2 yrs., alternately for Arts and Science; Sir Mangaldas Mehta Research Scholp., Rs. 800 p.a. awarded biennially to graduates in Medicine or Surgery; Sir Lallubhai Samaldas Scholp. or Research Grant, Rs. 480 p.a.; Sir Pherozeshah M. Mehta Research Scholp., Rs. 800 for 3 yrs. for research in History or Econ.; Edulji Dinshaw Postgraduate Scholp., Rs. 130 p.m. for postgraduate technical work in India, awarded annually, with an additional award every fourth yr.—open to members of Parsee community. Eight Univ. Research Studentships of Rs. 75 p.m. each.

Scholarships for Studies in Foreign Countries: Dr. Aimai Maneckji Cooper Scholp., Rs. 2200 p.a. for 2 yrs., for higher medical studies in Europe or America in diseases of women and children; Sir Mangaldas Nathubhai Technical Scholps., Rs. 2000 p.a.—2 awards each yr. and additional one every third yr.; Sir Currimbhoy Ebrahim and Bai Khanoobai Noormahomed Jairazbhoy Peerbhoy Scholps. for Muslims of Bombay Presidency, Rs. 300 p.m. for 3 yrs. (3 awards); Edulji Dinshaw Foreign Scholp. (1 award) of Rs. 400 p.m. for studying in foreign countries—open to members of Parsee community. The Sardar Bhimrao Ramrao Akbarnawis Scholp., Rs. 2400 p.a., awarded triennially, tenable for 3 yrs. for research studies in Europe or America.

Other Scholarships awarded at Various Examinations: Dhirajlal Mathuradas Scholp., Rs. 300 p.a. for 2 yrs., awarded every alternate yr.; Ellis Scholp., Rs. 320 p.a. for 1 yr.; Gangadas Rangildas Scholp., Rs. 380 p.a. for 1 yr.; Lord Minto Scholp., Rs. 350 p.a. for 2 yrs., awarded every alternate yr.; Sokarbai S. Mankar Scholp., Rs. 300 p.a. for 1 yr. (women); Narayan Vasudeo Scholp., Rs. 180 p.a. for 1 yr., awarded every alternate yr.; Sir Pherozeshah Merwanji Jijibhai Avesta and Pahlavi Scholp., Rs. 190 p.a. for 1 yr.; Pragji Thackersey Moolji Science Scholp. (in Arts), Rs. 145 p.a. for 1 yr.; Pralhad Sitaram Patwardhan Scholp., Rs. 310 p.a. for 2 yrs., awarded every alternate yr.; Sir James Fergusson Scholp. in Arts, Rs. 50 p.m. for 2 yrs., awarded once in every 3 yrs.; Ramganesh Gadkari Scholp., Rs. 285 p.a. for 2 yrs.; Harishchandra Baburao Joshi Memorial Scholp., Rs. 100 p.a.; Sir Lawrence Jenkins Scholp., Rs. 236 p.a. for 2 yrs.; Bhagwandas Purshotumdas Sanskrit Scholp., Rs. 720 p.a. for 1 yr.; Jamsetji Nusserwanji Petit Scholp., Rs. 340 p.a. for 1 yr.; Sir William Wedderburn Scholp., Rs. 400 p.a. for 1 yr.; Sokaribai S. Mankar Scholp., Rs. 300 p.a. for 1 yr. (women); Sir James Fergusson Scholp., Rs. 50 p.m. for 2 yrs., awarded once in every 4 yrs.; Pragji Thackersey Muljee Science Scholp., Rs. 355 p.a. for 1 yr.; Sardar Bhimrao Ramrao Akbarnawis Science Scholp., Rs. 40 p.m. for 2 yrs., awarded every alternate yr. to Brahmins; Dilip Chhaganlal Kanuga Scholp., Rs. 280 p.a. for 1 yr.; Byramji

Ratanji Lentin Technological Scholp., awarded annually, Rs. 388 p.a. for 1 yr.; The Amelia (wife of Dr. A. G. Viegas) Scholp., Rs. 166 p.a.; Rajratnam Kapilram H. Vakil Memorial Scholp., Rs. 340 p.a.; Merwanji Framji Panday Scholp., Rs. 18 p.m. for 1 yr.; Sir Mangaldas Nathubhai Legal Scholp., Rs. 880 p.a. for 3 yrs.; Mancherji Nawaraj Banaji Scholp., Rs. 160 p.a. for 1 yr. to Parsees; Sir Narayan G. Chandavarkar Hindu Law Scholp., Rs. 550 p.a. for 2 yrs., awarded every alternate yr.; Gussie K. Kanga, M.A. Oxon., Barr.-at-Law Scholp., Rs. 285 p.a.; Arnold Scholp., Rs. 15 p.m. for 1 yr.; M. R. D'Souza Scholp., Rs. 284 p.a. for 1 yr.; Rustomji Bejonji Vachha Memorial Scholp.; Scholp. of the Medical Women for India Fund, 1883, Rs. 120 p.a. for 1 yr.; Manorama Vijayraj Hajrat Scholp., Rs. 205 p.a. for 1 yr.

LECTURESHIPS. Wilson Philological Lectureship, Rs. 750 per yr. for not less than 5 lectures; Thakkar Vassonji Madhavji Lectureship in Gujarati Literature or History of Gujarat, Rs. 1000 per yr.; Sir Lallubhai Shah Memorial Lectureship in Hindu Law, Rs. 1200 every fourth yr.

(*Note*: Details of all these Awards are given in Univ. *Handbook*, Part IV.)

INSPECTION OF COLLEGES is conducted by means of committees.

INSPECTION OF SCHOOLS applying for recognition for purposes of the Entrance examn. is arranged for by the Syndicate.

PUBLICATIONS. *Handbook*; *Calendars*; *University Bulletin*, Rs. 3; *University Journal*, Rs. 12. Publications in University Economics and Sociology Series.

THE YEAR 1948–49

BENEFACTIONS. From Dr. A. P. Bacha Memorial Fund endowment of Rs. 15,000 for Gold Medal and Prize to be awarded to most successful student in M.S. examn. From trustees of estate of B. S. B. Vacha, in memory of the late R. B. Vacha, endowment of Rs. 10,000 for scholp. to be awarded to any student from any of the Dental Colls. affiliated to the Univ. who stands first in a Dentistry examn. to be determined. From the Indian Salt Assoc., the Salt Marketing Board and the India and Aden Salt Marketing Assoc., in memory of the late R. K. H. Vakil, endowment of Rs. 12,075 for scholps. and prize for research in Salt, Salt and Allied Chemicals or, failing these, Chemical Engin.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. L. Renou (Sanskrit) (Paris): "The Influence of Sanskrit Literature and Thought on French Literature and Thought," "The Present and Future of Vedic Studies," "The Projected Sanskrit-English Dictionary." Dr. F. E. Zeuner, Prof. of Geo-Chronology (Inst. of Archæol., Lond.): "Environment of Early Man." Prof. F. Spiegelberg (Dept. of Asiatic Studies, Stanford): "Recent Western Interest in Indian Philosophy."

STUDENTS. Full-time: 34,904; the total includes 5492 women and 2169 postgraduates.

DEGREES AND DIPLOMAS. B.A., 2263; M.A., 293; B.T., 261; T.D., 112; M.Ed., 14; Ph.D., 31; Dip.Lib., 18; B.Sc., 1209; M.Sc., 125; B.Sc. (Agric.), 154; M.Sc. (Agric.), 3; B.E., 159; B.Sc. (Tech.), 73; M.Sc. (Tech.), 4; B.Sc. (Vet.), 14; LL.B., 447; M.B., B.S., 201; M.D., 36; M.S., 27; D.O., 1; D.P.H., 1; D.Ped., 2; D.V.D., 2; D.L.O., 1; B.D.S., 16; D.M.R.E., 1; B.Com., 599; M.Com., 19.

UNIVERSITY OF CALCUTTA

Founded 1857

Address—Senate House, College Street, Calcutta.
Telegrams—University Calcutta.

CHANCELLOR—H.E. THE GOVERNOR OF BENGAL.

VICE-CHANCELLOR AND CHAIRMAN OF THE SYNDICATE—C. C. BISWAS, C.I.E., M.A., B.L.

PRESIDENTS, POSTGRADUATE COUNCILS—Prof S K. BANERJEE, M.A., B.L., Ph.D.—Arts ; Prof. MEGHNAD SAHA, D.Sc., F.R.S.—Science.

OFFG. REGISTRAR—S. C. GHOSH, M.A.

OFFG. CONTROLLER OF EXAMINATIONS—A. P. DASGUPTA, M.A., Ph.D. Lond.

OFFG. INSPECTOR OF COLLEGES—B. B. DUTT, M.A., Ph.D., B.L.

SECRETARY TO THE COUNCIL FOR POSTGRADUATE STUDIES IN ARTS —N. C. RAY, M.A., Ph.D.

SECRETARY TO THE COUNCIL OF POSTGRADUATE TEACHING IN SCIENCE —D. CHAKRAVARTI, D.Sc.

TEACHING STAFF

Agriculture

Sen, P. K., M.Sc., Ph.D. Lond., D.I.C. G. P. Singh Prof.

Anthropology

Chattopadhay, K. P., M.Sc. Prof.

Art

Ray, N. R., M.A., D.Litt. and Phil. Leiden, Dip.Lib. Lond., F.L.A. Bageswari Prof. of Indian Fine Arts.

Botany

Sarbadhikari, P. C., D.Sc., Ph.D. Lond., M.A., D.I.C., F.L.S. Sir R. B. Ghose Prof.

Chemistry, Agricultural

..... Sir P. C. Ray Prof.

Chemistry, Applied

Guha, B. C., D.Sc. Lond., Ph.D. (on leave) Sir R. B. Ghose Prof.

Goswami, M. N., M.A., Dr. ès Sc. Actg. Sir R. B. Ghose Prof.

Chemistry, Pure

Ray, P. R., M.A., F.N.I. Sir T. N. Palit Prof.

Sarkar, P. B., M.Sc., Dr. ès Sc., F.N.I. Sir R. B. Ghose Prof.

Bardham, J. C., D.Sc. Calc. and Lond. G. P. Singh Prof.

Commerce

..... Prof.

Economics

Niyogi, J. P., M.A., Ph.D. Lond. (on leave) Prof.

English

Bhattacharyya, M. M., M.A., B.L., Ph.D. Sir G. D. Banerjee Prof.

History and Culture, Islamic

..... Prof.

History and Culture, Ancient Indian
Raychaudhuri, H. C., M.A., Ph.D. Carmichael Prof.
Kramrisch, Stella, Ph.D. Prof.

History, Mediæval and Modern Indian
Banerjee, I., M.A., Ph.D. Asutosh Prof.

Indian Languages, Modern
Banerjee, S. K., M.A., B.L., Ph.D. R. Lahiri Prof.

Islamic Studies
Siddiqi, M. Z., M.A., B.L., Ph.D. Asutosh Prof.

Mathematics, Applied
Sen, N. R., Ph D., D.Sc. Sir R. B. Ghose Prof.

Mathematics, Pure
..... Hardinge Prof.
Sen, B. M., M.A. Camb., M.Sc. Prof.

Mental and Moral Science
Maitra, S. K., M.A., Ph.D. Prof.
Acharyya, B. N. Sil. Prof.

Pali
Dutt, N., M.A., B.L., Ph.D., D.Litt. Prof.

Phonetics and Indian Linguistics
Chatterji, S. K., M.A., D.Lit. Lond. G. P. Singh Prof.

Physics, Applied
Mahanti, P. C., D.Sc., F.Inst.P. Sir R. B. Ghose Prof.

Physics, Pure
Saha, M. N., D.Sc., F.R.S. Palit Prof.
Mitra, S. K., D.Sc. Sir R. B. Ghose Prof.
Bose, S. N., M.Sc. G. P. Singh Prof.

Physiology
..... Prof.

Political Science
Banerjee, D., M.A. Surendranath Prof.

Psychology
Mitra, S. C., M.A., D.Phil. Leipzig Prof.

Sanskrit
Mukherjee, S., M.A., Ph.D. Asutosh Prof.

Zoology
Mookerjee, H. K., D.Sc. Lond., D.I.C. Sir N. R. Sircar Prof.

Tagore Professor of Law
.....

POSTGRADUATE TEACHERS IN ARTS. *Economics*, 19; *English*, 15; *French*, 3; *History*, including *History and Culture, Ancient Indian*, 32; *Islamic History and Culture*, 9; *Mathematics, Pure*, 12; *Modern Indian Language*, 18; *Sanskrit*, 21; *Pali*, 7; *Persian and Arabic*, 8; *Philology, Comp.*, 4; *Philosophy*, 17; *Political Science*, 16; *Psychology*, 11; *Anthropology*, 9; *Commerce*, 17.

POSTGRADUATE TEACHERS IN SCIENCE. *Botany*, 11; *Chemistry*, 18; *Chemistry, Applied*, 18; *Geology*, 5; *Mathematics, Applied*, 11; *Physics*, 14; *Physics, Applied*, 6; *Physiology*, 11; *Zoology*, 10; *Statistics*, 8; *Geography*, 10; *Radio-Physics and Electronics*, 6.

UNIVERSITY LAW COLLEGE. Principal—Prof. P. N. Banerjee, M.A., B.L., LL.D., D.Litt. and 23 Professors.

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*. B.A., I.Sc.

AHARBELMA, *Syamsundar College.* I.A., I.Sc.

AMTA (HOWRAH), *Ramsaday College.* I.A.

ARAMBAGH, *Netaji Maharidyalaya.* I.A., I.Sc.

ASANSOL, *Asansol College.* B.A., I.Sc.

BALLYGUNJE (CALCUTTA), *Muralidhar Girls' College.* B.A.

BALURGHAT (W. DINAJPUR), *Balurghat College.* I.A.

BANGAON, *Dinabandhu Mahavidyalaya.* I.A.

BANKURA, *Bankura Christian College.* B.A., B.Sc.

BANKURA, *Sammilani College.* I.Sc.

BASIRHAT, *Basirhat College.* I.A.

BELGACHIA, *R.G. Kar Medical College.* I.Sc., M.B., D.O.G., D.O.M.S.

BELUR MATH, *Ramkrishna Mission Vidyamandir.* I.A., I.Sc.

BERHAMPUR, *Berhampur Girls' College.* B.A.

BERHAMPUR, *Krishnath College.* B.A., B.Com., B.Sc.

BERHAMPUR, *Union Christian College.* B.T.

BHOWANIPUR (CALCUTTA), *Asutosh College.* B.A., B.Com., B.Sc.

BISHNUPUR (BANKURA), *Ramananda College.* B.A., I.Sc.

BURDWAN, *Raj College.* B.A., B.Sc.

CALCUTTA, *All India Institute of Hygiene and Public Health* (Govt.). D P.H. and D.Sc. in Public Health.

CALCUTTA, *Bangabasi College.* B.A., B.Com., B.Sc.

CALCUTTA (SIBPUR), *Bengal Engineering College* (Govt.). B.E.

CALCUTTA, *Bengal Tanning Institute.* Cert. in Tanning.

CALCUTTA, *Bethune College* (Girls) (Govt.). B.A., I.Sc.

CALCUTTA, *Campbell Medical College.* First M.B.

CALCUTTA, *Central Calcutta College* (Govt.). B.A., I.Sc.

CALCUTTA, *Charuchandra College.* I.A.

CALCUTTA, *City College.* B.A., B.Com., B.Sc.

CALCUTTA, *David Hare Training College* (Govt.). B.T.

CALCUTTA, *Gokhale Memorial Girls' School.* I.A., I.Sc.

CALCUTTA, *Lady Brabourne College.* B.A., I.Sc.

CALCUTTA, *Lake Medical College* (Govt.). M.B.

CALCUTTA, *La Martinière.* I.A., I.Sc.

CALCUTTA, *Loreto House* (Girls). B.A., I.Sc., B.T.

CALCUTTA, *Maharaja Manindra Chandra College.* B.A., B.Com., I.Sc.

CALCUTTA, *Medical College of Bengal.* M.B., D.O.M.S.

CALCUTTA, *National Medical Institution.* First M.B.

CALCUTTA, *Netaji Subhas College.* B.A.

CALCUTTA, *Presidency College* (Govt.). B.A., B.Sc.

CALCUTTA, *St. Joseph's College.* I.A., I.Sc.

CALCUTTA, *St. Paul's Cathedral Mission College.* B.A., I.Sc.

CALCUTTA, *St. Xavier's College* (S.J.). B.A., B.Com., B.Sc., B.T. Students of other religious persuasions are admitted.

CALCUTTA, *Sanskrit College* (Govt.). B.A.

CALCUTTA, *Scottish Church College.* B.A., B.Sc., B.T. Formerly the General Assembly's Institn. and Duff Coll.
CALCUTTA, *Seth Anandram Jaipuria College.* B.A., B.Com.
CALCUTTA, *South Calcutta Girls' College.* B.A
CALCUTTA, *Surendranath College.* B.A., B.Com., B.Sc., B.L.
CALCUTTA, *Victoria Institution for Girls.* B.A., I.Sc.
CALCUTTA, *Vidyasagar College.* B.A., B.Com., B.Sc.
CALCUTTA, *Women's Christian College.* B.A.
CALCUTTA, *Women's College.* B.A.
CHANDARNAGORE, *Chandarnagore College.* B.A., I.Sc.
CONTAI, *Prabhatkumar College.* B.A., I.Sc.
COOCH-BEHAR, *Victoria College.* B.A., B.Sc.
DARJEELING, *Govt. College.* I.A., I.Sc.
DARJEELING, *St. Joseph's College.* B.A., I.Sc.
DARJEELING, *St Paul's College.* I.A., I.Sc.
DIAMOND HARBOUR, *Fakirchandra College.* I.A.
GARBETA, *Garbeta College.* I.A.
GOBARDANGA, *Hindu College.* B.A., I.Sc.
HETAMPUR, *Krishnachandra College.* B.A., I.Sc.
HOWRAH, *Girls' College.* B.A.
HOWRAH, *Narasinha Dutt College.* B.A., B.Sc.
HUGHLI, *Hughli Mohsin College* (Govt.). B.A., B.Sc.
JALPAIGURI, *Anandachandra College.* B.A., I.Sc.
KALIMPONG, *Scottish Universities Mission College.* I.A.
KALNA, *Kalna College.* I.A., I.Sc.
KATWA, *Katwa College.* I.A., I.Sc.
KRISHNAGAR, *Krishnagar College* (Govt.). B.A., B.Sc.
KURSEONG, *St. Helen's College.* I.A.
KURSEONG, *Victoria College.* I.A.
MAHISADAL, *Raj College.* B.A.
MALDAH, *Maldah College.* B.A., I.Sc.
MIDNAPUR, *Midnapur College.* B.A., B.Sc.
NAIHATI, *Rishi Bankimchandra College.* I.A.
RAIGANJ, *Raiganj College.* I.A.
SANTIPUR, *Santipur College.* I.A.
SERAMPUR, *Serampur College.* B.A., B.Sc.
SIBPUR, *Dinabandhu Institution.* B.A., B.Com., I.Sc.
SONADA, *Salesian College.* B.A.
TAMLUK, *Tamralipta Mahavidyalaya.* I.A., I.Sc.
ULUBERIA, *Uluberia College.* I.A., I.Sc.
UTTARPARA, *Uttarpara College.* 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 organisa-

tion of the Universities of Calcutta, Madras and Bombay. In pursuance of that despatch the University of Calcutta was incorporated on January 24, 1857, for the purpose of "ascertaining, by means of examination, the persons who have acquired proficiency in different branches of Literature, Science and Art and rewarding them by Academical Degrees as evidence of their respective attainments and marks of honour proportioned thereunto." Modelled on the University of London, then a purely examining body, the functions of the University were limited to the conduct of examinations and the award of degrees. The jurisdiction of the University extended at first throughout practically the whole of northern India. But with the establishment of other Universities and partition of Bengal on account of recent political changes in India the territorial jurisdiction has now been limited to the Province of West Bengal only.

In 1864 an Act was passed by which the Universities of Calcutta, Madras and Bombay were empowered to confer the honorary Degree of Doctor in the Faculty of Law.

In 1902 a Commission was appointed by Lord Curzon to examine the working of the Universities in India, and on their recommendation the Indian Universities Act of 1904 was passed, which came into force on September 1, 1904. Under section 3 of Act VIII. of 1904, the University became empowered, among other things, to make provision for the instruction of students, to appoint University Professors and Lecturers, to hold and manage educational endowments, to erect, equip and maintain University libraries, laboratories and museums, and to make regulations relating to residence and conduct of students. Though most of the teaching continued to be imparted in the affiliated colleges, teaching in some of the higher branches began to be organized under University management. Assisted by grants from the Imperial Government and by private benefactions, it was possible for the University to arrange for Postgraduate teaching and research from 1909. The organization of higher teaching and research was made by the Senate mainly on the initiative of the late Sir Asutosh Mookerjee, Vice-Chancellor from 1906–14 and again from 1921–23.

In 1917 a new scheme for Postgraduate teaching and research was brought into operation, providing for the centralization of Postgraduate teaching in Calcutta within, and under the control of, the University. The departments of Postgraduate teaching in Arts and Science were placed under two Councils, with two Executive Committees, responsible directly to the Senate. The University now provides for Postgraduate teaching in: (1) English; (2) Sanskrit; (3) Pali; (4) Arabic; (5) Persian; (6) Hebrew; (7) Syriac; (8) Greek; (9) Latin; (10) French; (11) German; (12) Modern Indian Languages, Bengali, Hindi, Urdu, Assamese, Oriya; (13) Comparative Philol.; (14) Mental and Moral Philos.; (15) History (including Ancient Indian History and Culture and Islamic History and Culture); (16) Economics; (17) Political Science; (18) Commerce; (19) Maths. (Pure and Applied); (20) Physics (Pure and Applied); (21) Chemistry (Pure and Applied); (22) Physiol.; (23) Botany; (24) Geol.; (25) Zool. and Comparative Anat.; (26) Psychol.; (27) Anthropol.; (28) Statistics; (29) Geography; (30) Applied Psychology; (31) Radio-Physics and Electronics; (32) Education.

The Department of Postgraduate Teaching and Research in Arts is located in the Asutosh Building. Postgraduate Teaching and Research in the different branches of Scientific 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 Laboratories and an up-to-date Workshop. This has been possible mainly through the generosity of the late Sir Taraknath Palit, D.L., the late Sir

Rashbehary Ghose, C.S.I., M.A., D.L., Ph.D., and the late Raja of Khaira. The University maintains a staff of whole-time and part-time teachers. The Institute of Nuclear Physics and the Institute of Radio-Physics and Electronics have been established at 92 Upper Circular Road.

Government grants from 1912 to 1948 amounted to Rs. 1,69,26,232. During the same period private benefactions amounted to Rs. 89,34,870.

The Univ. buildings include a Senate House, the Durbhanga LIBRARY with Law College, Hostel, and Univ. offices, the Univ. Press, the Asutosh Building for postgraduate classes in Arts, postgraduate offices and the Univ. library, three buildings for the teaching of Postgraduate Science courses. LABORATORIES (in Univ. Coll. of Science): Phys. and Chem. (Pure and Applied), Applied Maths., Psych., Allied Psychol., Biol., etc. MUSEUMS: Asutosh Museum of Indian Arts (including Art collections of the late Mr. Puranchand Nahar) and Museums attached to the Anthropological and Commercial sections of the Univ The University Press is accommodated in a separate building.

FACULTIES. Arts, Law, Science, Medicine, Engineering.

DEGREES. B.A., M.A., D.Litt., D.Phil.; B.Sc., M.Sc., D.Sc.; B.E., D.Sc. (Engin.); B.Arch. (Bachelor of Architecture); M.P. (Master of Planning); M.Arch. (Master of Architecture); B.Com.; B.T.; LL.B., LL.M., LL.D., M.B., B.S.; Bachelor's Degree in Nursing, M.D., M.S., M.O., M.Sc. (Public Health Engin.), D.Sc. (Public Health).

DIPLOMAS AND CERTIFICATES. D.P.H. (Diploma in Public Health); D.O.M.S. (Diploma in Ophthalmic Med. and Surg.); D.S.E. (Diploma in Spoken English); Diploma in Domestic Science Training; Diploma in Obstetrics and Gynæcology; Diploma in Social Work (Labour Welfare); Diploma in Soap Technology; Diploma in Journalism; Diploma in Maternity and Child Welfare; Diploma in Librarianship; Diploma in Tuberculous Diseases; Diploma in Dietetics; Certificate in Tanning; Certificate in Military Studies; Certificate in Applied Psychology.

DEPARTMENT OF TEACHING. Arrangements have been made in this Dept. for teaching the B.T. Course. The Dept. also organizes lectures in post-graduate teaching in Education.

SCHOLARSHIPS, ETC. (*a*) In India—Premchand Roychand, Rs. 2400 p.a., tenable for 2 yrs., awarded annually, 1 in Lit. and 1 in Science; Sreegopal Basu Mallik Fellowship, Rs. 4000, in Vedanta (compared with Western) Philosophy; Sir Praphullachandra Ray Fellowship, 2 at Rs. 200 p.m. each, for researches in Chemistry. Sir Jagadischandra Bose Fellowship, Rs. 150 p.m. for promotion of Physico-Biological Research. In addition, numerous other scholarships, medals and prizes are awarded both for research work and on the results of examn. (*b*) Abroad—Sir R. B. Ghose Travelling Fellowships, 3 of the value of Rs. 4400 each for Research or Investigation out of India for 1 yr.; Guruprasanna Ghose, 1 annually, tenable for 3 yrs. in Japan (Rs. 1000) or in Europe or America (Rs. 2000) by Bengali Hindus; Palit (Rs. 1,00,000) for Research or Investigation out of India for 1 yr.; Radhikamohan, 1 (Rs. 1,50,000) Endowment for advanced study abroad, tenable for 2 yrs. by Bengali Brahmins; founded by Prof. H. C. Mookerjee—(i) Lalchand Mookerjee Scholarships, Rs. 1,50,000 Endowment for Theoretical and Practical training abroad in Technical, Industrial and other allied subjects for Bengali Protestant Christian students; (ii) Sreemati Prasannamoyee Mookerjee Scholarships, Rs. 1,00,000 Endowment for training in Applied Commerce and Business Education—1 tenable abroad (Rs. 200 p.m.) and 1 within India (Rs. 50 p.m.) for Bengali Protestant Christians; (iii)

Lalchand Mookerjee Indian Scholarships, Rs. 50,000 Endowment for training in Applied Commerce and Engin. for Bengali Protestant Christian students.

RESIDENCE. There are four classes of lodgings for students : (*a*) Collegiate Hostels ; (*b*) Non-collegiate Hostels under external management ; (*c*) Messes, attached or unattached ; (*d*) Private Lodgings. Licences to Hostels under class (*a*) are granted by the Syndicate, while licences to the remaining three classes of lodgings are granted by the Students' Residence Committee—a subordinate body under the Syndicate, consisting of six members appointed annually from among the Members of the Senate.

STUDENTS' WELFARE. Principals of Colls. and specialists in physical educn. deal with all matters relating to the health of students, including physical education and organization of games and other forms of recreation. There is a whole-time Univ. Organizer of Physical Education. A Students' Infirmary is maintained, free of cost, for students requiring hospital treatment. Glasses are supplied to students with defective vision at concession rates. Military Training is provided for a Univ. Corps recruited from affiliated colleges. All 1st-yr. students in Calcutta Colls. are medically examined.

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. Scheme prepared by the former Vice-Chancellor, Dr. Syamaprasad Mookerjee, for finding careers in business and industry for Univ. graduates and undergraduates, with co-operation of business houses and different industrial concerns, adopted by Senate on Jan. 23, 1937. Its object is to provide these young men with opportunities and facilities for practical training and ultimately for starting independent careers of their own, in the different branches of Trade, Industry and Commerce. Rs. 36,000 were originally sanctioned by the Univ. for the purpose and an Appointments and Information Board has been established, which 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 JUTE TECHNOLOGY.—The Institute of Jute Technology, which has been established under the auspices of this University by the Indian Jute Mills Assocn., through the efforts of the Assocn. and the Univ. Appointments Board, has been located within the compound of the Univ. Coll. of Science at 35 Ballygunge Circular Road, Calcutta. The cost of the building and equipment of the Inst., which approximately amounts to Rs. 23,00,000, will be borne by the Assocn. The maintenance of the Inst., which is under the management of a Governing Body of which the Vice-Chancellor is the Chairman and the President of the Assocn. is an *ex-officio* member, will also be financed by that Assocn. The Institute will train annually 50 Science Graduates or Undergraduates.

DEPARTMENT OF SOCIAL WORK. The Appointments Board in collaboration with industries and Government 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 and Pakistan. The Univ. of Calcutta is the only training centre for the Government, both Central and States. The Scheme for starting an All India

Institute of Social Welfare where facilities for training both in general as well as industrial welfare will be provided, is now being finalized.

SPECIAL UNIVERSITY PROFESSORSHIPS, READERSHIPS AND LECTURESHIPS. Tagore Professorship in Law, Rs. 9000; Lady Brahmachari Readership in Medicine, Rs. 2000; Tarinicharan Sur Readership in Nuclear Physics, Rs. 6000; S. N. Ghosh Lectureship in Comp. Religion, Rs. 9000; Kamala Lectureship in Indian Life and Thought, Rs. 2000 and a gold medal; also other lectureships.

SPECIAL LECTURES. With a view to promoting a desire for original investigation and research, 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.

LIBRARIES. The University Library is under the management of the Library Executive Committee, subject to the general control of the Syndicate. It is for the use of Resident Fellows, Registered Graduates, Research Scholars, Readers, Professors, Lecturers and students of Postgraduate classes, and Teachers of the Undergraduate classes of this University. It contains over 232,100 vols., including 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. The Reading Hall accommodates over 300 readers at a time and remains open for 12 hours on all working days.

Besides this Library, there are other Libraries attached to the Univ., viz. Law College Library and Libraries of the Departments of Science.

UNIVERSITY PRESS. 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.

PUBLICATIONS. *Calendar*, Rs. 7-8; its supplement volumes, subsequent to the year 1942, each vol. Rs. 3-0; *Univ. Regulations*, Rs. 4; *Convocation Addresses*, 1924–1932 and 1915–1923, 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.

THE YEAR 1948–49

BENEFACTIONS. For Scholarships, medals, etc., Rs. 1,58,000 (including Rs. 1,00,000 from the Rajah of Jhargram, Rs. 16,700 from D. N. Sarkai and Rs. 16,000 from D. P. Ghoshal; the first for instituting an Agricultural Coll., the second for commercial educn., and the last for award of scholps. to girl students).

CHANGES IN REGULATIONS. The following new courses of training have been introduced: (i) Diploma in Town and Regional Planning, (ii) Intermediate Examn. and Bachelor's Examn. in Nursing, (iii) Diploma in Dietetics.

STUDENTS. Total: 56,482 (all full time; no pt.-time students), including 6354 women and 1830 postgraduates.

DEGREES, ETC. B.A., 1572; M.A., 602; B.Com., 1473; B.L., 179; B.Sc., 1152; M.Sc., 166; D.Sc., 2; B.T., 194; B.E., 112; M.B., 289; D.Litt., 4; D.Phil., 24; B.Met., 2; M.S., 1; M.D., 4; Dipl. in Soap Technol., 4; D.P.H., 47; Cert. in Tanning, 3; Dipl. in Maternity and Child Welfare, 2; D.O.G., 4; D.O.M.S., 4; M.E. (Pub. Health), 11; Cert. in App. Psychology, 2.

UNIVERSITY OF DELHI

Founded 1922

CHANCELLOR—THE PRESIDENT, UNION OF THE REPUBLIC OF INDIA.

VICE-CHANCELLOR—Hon. Sir MAURICE GWYER, G.C.I.E., K.C.B., K.C.S.I., D.C.L., LL.D.

TREASURER—S. RATNAM.

REGISTRAR—T. P. S. IYER, M.A.

APPOINTED (*) AND RECOGNIZED TEACHERS OF THE UNIVERSITY, for classes above Intermediate standard.

(S.), (H.), (R.), (D.), (C.), (HR.), (CC.,) (I.), (M.) denote St. Stephen's, Hindu, Ramjas, Delhi, Commeree, Hansraj Colleges, Central Colleges, Indraprastha College for Women and Miranda House (Univ. Coll. for Women) respectively. (N.), (Ag.) and (Edn.) denote College of Nursing, Central College of Agriculture and Central Institute of Education respectively.

Anthropology

Biswas, P. C., M.Sc. Cal., Ph.D. Berlin.*
Raj, Mrs. Hilda.*
Mookerjee, Mrs. Freda, M.Sc., Ph.D.*

Arabic

Fariq, K. A., M.A., Ph.D. (D.).

Bengali

Dass, J. N., M.A. (D.).

Biology

Das, B , M.Sc. Panj. (H.).
Chand, G., M.Sc. Panj. (H.).
Saxena, H. K., M.Sc (D.).
Nagar, S. K., M.Sc. (D.).
Singh, S., M.Sc. Panj. (CC.).
Lall, S., M.Sc. (D.).

Botany

Maheshwar, P., D.Sc.*
Chinoy, J. J., M.Sc., Ph.D., D.I.C.*
Nanda, K. K., M.Sc., Ph.D. Bom.*
Tandon, S. L., M.Sc.*
Johri, B. M., M.Sc.*
Narayanaswami, M.Sc.*
Sanwal, B. D., M.Sc.*

Chemistry

Seshadri, T. R., D.Sc.*
Dutt, S. M. A., D.Sc., D.I.C.*
Mitra, R. P , D.Sc.*
Saharya, G. S., Ph.D.*
Biswas, A. B., Ph.D.*
Jha, S. D., M.Sc. Alld.*
Kar, K. R., Ph.D.*
Singh, R. P., M.Sc. Alld.*
Mathur, K. B. L., D.Sc. Agra.*
Johri, K. N., M.Sc.*
Jain, B. D., Ph.D.*
Shankar, J., Ph.D., D.I.C.*
Khosla, B., M.Sc.*
Parihar, B. D., M.Sc.*
Sreeramamurthy, V. V., M.Sc.*
Pakajamony, Miss K., M.Sc.*
Agarwal, A. L., M.Sc. Panj. (H.).
Kapoor, S. K., M.Sc. (H.).
Jain, B. L., B.Sc. (H.).
Misra, V. M., M.Sc. (H.).
Suri, S. P., M.Sc. (D.).
Kumria, R. L., M.Sc. (D.).
Soni, P. L., M.Sc. (HR.).
Multani, R. K., M.Sc. (HR.).
Seth, R. C., M.Sc. (CC.).
Luthera, R. K., M.Sc. Panj. (CC.).

Mattoo, B. N., M.Sc. (CC.).
Narula, J. L., M.Sc. (CC.).

Commerce and Geography

Vaish, J. N., M.A. (C.).
Shandilya, M. L., M.A., LL.B. (C).
Shukla, M. C., B.A., B.Com. Birm., M.A. (C.).
Sadanah, K. L., B.A. Lond. (C.).
Gupta, R. K., M.Com. Alld. (C.).
Sahai, V., B.A. (C.).
Sud, P. L., B.Com. (C).
Misra, J. N., M.Sc. Lond. (C.).
Gupta, C. B., M.A., B.Com. Agra (C.).
Kapoor, M. C., M.Com. Agra (C.)
Grewal, T. S., M.A. (Com.) Cal. (C.).
Jain, R. S., M.A., B.Com Agra (C).
Aggarwal, S. N. (R.).
Bhattacharya, M. K., M.A. Calc. (D.).
Krishan, R., M.A. (D.).

Economics

Rao, V. K. R. V., M.A., Ph.D. Camb., D.Litt.*
Ganguli, B. N., M.A., Ph.D. Calc.*
Dhar, P. N., M.A.* (H.).
Nag, K. C., M.A. Calc. (S.).
Ray, N. C., M.A. Dacca (S.).
Lal, D. N., M.A. (H.).
Singh, S., M.A. (H.).
Agarwal, A. N., M.A. Alld. (R.).
Sehgal, B. R., M.A. Panj. (R.).
Bhattacharya, K. N., M.A. (R.).
Singh, H., M.A. (R.).
Narain, Radhika, M.A. (C.).
Ghosh, A. B., M.A. (C.).
Andley, K. K., M.A. (C.).
Rao, D. K., M.A. (C.).
Bhatnagar, S. K., M.A. (C.).
Singh, G. N., M.A. Lond. (C.).
Chaudhuri, N. R., M.A. (D.).
Krishna, R., M.A. (D.).
Mark, I. R., M.A. (D.).
Thadani, J. N., M.A. (HR.).
Kapoor, S. S., M.A. (HR.).
Reveri, C. L., M.A. Panj. (CC.).
Suri, C. L., M.A. Panj. (CC.).
Kauskutty, Miss C. K., M.A. Madr. (I.).
Bose, Miss M., M.A. (I.).
Gupta, Miss S., M.A. (I.).
Verma, Miss S , M.A. (I.).
Jankiamma, Miss A. C., M.A. (M.).
Pant, N. K., M.A. (M.).

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.).
Bhattacharyya, A , M.A. Oxon. and Calc. (H.).
Thadani, N. V., M.A. (H)
Sood, P. C., M.A. Luck. (H.).
Gupta, R. R., M.A. (H.).
Singh, Sarup, M.A. (H.).
Raina, S. P., M A. Panj. (H.).
Nath, V., M.A. Panj. (H.).
Chawla, S. S , M A. (H).
Gupta, B. B., M.A. (R.).
Chopra, R. P., M.A. (R.).
Sharma, R. C., M.A. (R.).
Ram, Mangat, M.A. (R.).
Verma, B. L., M.A. (R.).
Lal, M., M.A. (R.).
Verma, V. B., M.A. (R.).
Singh, M , M.A. (R.).
Bahadur, U., M.A., Ph.D. (C.).
Misra, B. P., M.A., Ph.D. Dub. (C.).
Mathur, P. K., M.A. (C.).
Mukerjee, G. C., M.A. Luck. (C.).
Lal, Kanwar, M.A. (C.).
Damodaran, A., M.A. Luck. (C.).
Khanna, R. N., M.A. (C.).
Kalia, B. K., M.A. (D.).
Chatterji, A., M.A. (D.).
Ghosh, M. M. A., M.A. (D.).
Sharma, G. N., M.A. (D.).
Singh, B., M.A. (D.).
Prashar, S. C., M.A. (D.).

Pillai, Mrs. B. P., M.A. Madr. (I.).
Mardhekar, Mrs. H., M.A. (I.).
Thomas, Miss S., M.A. (I.).
Singh, Miss S. Uttam, M.A. (I.).
Gorowara, Miss K. K., M.A. (I.).
Rau, Miss V., M.A. (I.).
Dutt, S., M.A., Ph.D. (HR.).
Kumar, S., M.A. (HR.).
Parkash, G., M.A. (HR.).
Bhatnagar, I. N., M.A. (HR.).
Ram, T., M.A. (HR.).
Achaya, Miss K., M.A. Oxon. and Madr. (M.).
Essanloff, Mrs. K., M A. Madr. (M.).
Parshad, Miss, M.A. (M.).
Malik, K., M.A. (M.).
Paul, D., M.A. (CC.).
Gupta, Miss P., M.A., B.T. (CC.).
Puri, M. R., M A. (CC.).
Sahai, V. N., B.A. Oxon. (CC.).
Singh, K., M.A. Panj. (CC.).

Hindi, v. Sanskrit

History

Ram, D. R., M.A. Camb. (S.).
Kapadia, E. R., M.A. Lond. (S.).
Shankland, R. I., B.A. Lond., M.A. Oxon. (S.).
Amin, M., M.A. (S.).
Rai, Ganpat, M.A. Panj. (H.).
Poplai, S. L., M.A. (H.).
Sharma, D., M.A. (H.).
Bhandari, D. R., M.A. Lond. (R.).
Anand, P. L., M.A. (R.).
Prasad, A., M.A. (R.).
Dass, S. R., M.A. (D.).
Mahdi, S. H., M.A. D.).
Hasan, S., M.A. (D.).
Vohra, M. A., M.A. Panj. (C.).
Gupta, Mrs. R. Dass, M.A. (I.).
Saxena, Mrs. P., M.A. (I.).
Rao, Miss V., M A. (I.).
Kaushik, Mrs. S., M.A. (I.).
Gandhi, S. S., M.A. (HR.).
Lakhani, Miss T. V., M.A. (CC.).
Mehta, D. D., M.A. (CC.).
Sen, S. N., D.Litt.*

Law

Sivasubramanian, Prof. L. R., M.A., M.L.*
Sahani M. S., M.A. Oxon.*
Sharma, G. S., M.A., LL.M.*
Shrimali, M. L., M.A., B.Com., LL.M.*
Jain, M. P., LL.M.*
Ali, H., LL.D.*
Rohtagi, A. B., M.A., LL.B.*
Khowja, M. I., M.A., LL.B. Belf.*
Anandjee, B.Sc., LL.B.*
Dhar, S., B.A., B.L., LL.M.*
Chowla, T. P. S., B.A., LL.B. Camb.*
Singh, H., M.A., LL D., Ph.D.*
Mitra, Miss L., LL.B.*
Pandalai, K. S., M.L.*
Ramachandran.*
Dedi, A. S *
Tripathi, P.*

Library Science

Das Gupta, S., M.A. Camb.*
Ranganathan, S. R , D. Litt.*
Garde, P. K., B A.*

Mathematics

Behari, Ram., Sc.D. Camb.*
Bhatnagar, P. L., M.A., D.Phil., B.Sc. Alld. (S.).
Bhattacharya, P., M.Sc. Alld. (S.)
Sircar, S. C., M.A. Camb. (S.).
Seth, B. R., M.A., Ph.D., D.Sc. Lond. (H.).
Kapoor, J. N., M.A. (H.).
Sharan, J., M.A. (H.).
Joshi, D. D., M.A. (H.).
Mitra, J. N., M.A. (R.).
Gupta, P. D., M.A. (R.).
Saxena, H. C., M.A. (R.).
Rattan, V., M.A. (R.).
Mehra, H. R., M.A. (D.).
Shankar, Hari, M.A. Banaras (D.).
Goswami, G., M.A. Calc. (I.).
Prakash, Mrs. N., M.A. (I.).
Narayan, S., M.A. (HR.).
Dass, B., M.A. (HR.).
Sharma, S. R., M.A. (HR.).
Thakurdas, Miss V., M.A. Camb., M.A. Panj. (M.).

Thomas, Miss M., M.A. (M.).
Pahwa, Miss S., M.A. Panj. (M.).
Kaul, T. N., M.A. Panj. (CC.).
Makhiga, M. T., M.A. (CC.).

Nursing

Craig, Margaretta, M.A., B.Sc. (N.).
Buchanan, Edith, B.A. (N.).
Bhatia, B. D., M.A. (N.).
Thakurdas, S. F., M.A. (N.).
Forman, Miss A. (N.).
Abana, Miss C. I. (N.).
Thomas, Miss A. (N.)
Naidu, S. S. (N.).
Bhattacharya, P. C. (N.).
Pasricha, K. (N.)
Noll, Miss A. M. (N.)
Brown, Miss M. (N.).
Achaya, S. (N).

Panjabi

Kohli, S. S., M.A. (HR.).
Kumar, H. L., B.A. (D.).
Singh, P. (CC.).

Persian and Urdu

Ahmed, M. S., M.A. (S.).
Abedi, S. A. H., M.A. (S.).
Mathur, M. N., M.A. (S)
Sarup, B., M.A. (H)
Shaida, R. N., M.A. (H.).
Ranjan, C. R., M.A. (R.).
Jan, S. A. M., M.A. (C.).
Musavi, M. H., M.A. (D.).
Brelvi, E., M.A. Ph.D. (D.).
Faruqi, K. A., M.A. (D.).
Zutshi, T. N., M.A. (I.).
Sehgal, A. N , M.A., M.O.L (CC.).
Singh, P. (CC.).

Philosophy

Bose, S. K., M.A. Camb. (S.).
Adiseshiah, W. V., M.A. Madr. (S.).
Sahai, M., M.A., Ph.D. (S.).
Saxena, S. K., M.A. (H.).
Chand, Prem, M.A. (H.).
Banerjee, N. V., M.A. Calc., Ph.D. Lond. (R.).
Kaul, B. N., M.A. Alld. (R.).
Das Gupta, Miss B., M.A. Calc. (I.).
Sher Jung, Mrs. N., M.A. (I.).
Banerjee, Miss K., M.A. (I.).
Chakravarty, Mrs. N., M.A. (I.).
Begg, M. A., M A. (D.).
Gupta, D. P., M.A. (D.).
Pandeya, A. N., M.A. (HR.).
Mukerjee, Miss U., M.A. (N.).
Malhotra, Miss V. B., M.A. Panj. (M.).
Shivaraman, Mrs., M.A. (M.).
Bir, K., M.A. Panj. (CC.).
Puri, M. R., M A. (CC.).

Physics

Majumdar, R. C., Ph.D., D Sc.*
Singh, S T., M Sc *
Rai, R N., Ph.D Alld.*
Kichlu, P. K., D.Sc.*
Kapoor, P. L , M.Sc., Ph.D. Camb.*
Saha, N. K , D Sc *
Auluck, F. C., Ph D., D Sc. Panj.*
Verma, A. R., M.Sc.*
Krishnan, K. G., M.Sc.*
Choudhury, M., M.Sc.*
Sain, P., M.Sc.*
Nandy, S. K., M.Sc.*
Bhowmick, B., M.Sc.*
Ram, Sant, M.Sc.*
Singh, H., M.Sc.*
Ram, M., M.Sc., Ph.D.*
Singwi, K. S , M.Sc.*
Kishore, J., M.Sc.*
Singh, A., M.Sc.*
Sagar, Mrs. N. D., M.Sc.*
Puri, A. N., M.Sc. Panj. (H.).
Dube, K. N., M.Sc. (R.).
Jain, A. P., M.Sc. (D.).
Prakash, V., M.Sc. (D.).
Gulati, H. R., M.Sc. (HR.).
Datta, G. L., M.Sc. (HR.).
Mukerjee, S. P., M.Sc. (HR.).
Lakhani, M. P., M.Sc. (CC.).
Puri, V. P., M.Sc. (CC.).
Bhatia, M. L., M.Sc. (CC.).

Sanskrit and Hindi

Shshtri, L. D., M.A., Ph.D. (S.).
Kochar, H. V., M.A. Alld. (S.).

Shastri, S. N., M.A., D.Phil. (H.).
Kaul, K. N., M.A., M.O.L. Panj. (H.).
Ojha, D., M.A. (H.).
Chaudhury, N. N., M.A. Calc. (R.).
Sarna, G. R., M.A (R.).
Snatak, V., M.A. (R.).
Sharma, Pt. R. D., M.A. (C.).
Nigam, S. N., M.A. (D.).
Jain, V. K., M.A. (D.).
Bhatt, B. N., M.A. (D.).
Sen Gupta, Miss Prabha, M.A. Calc. (I.).
Sinha, Mrs Savitri, M.A. (I.).
Aggarwal, Miss S., M A. (I.)
Datta, Miss I., M.A. (I.).
Puri, Miss K. K., M.A. (I.).
Garg, Miss D., M.A. (I.).
Sircar, M. K., M.A. (HR.).
Bhanot, S. D., M.A. (HR.).
Saroop, R., M.A., M.O.L. (HR.).
Puri, Miss S , M.A. Panj. (M.).
Razdan, Miss R., M.A. (M.).
Garg, Miss K., M.A. (M).
Puri, V. R., M.A. (CC.).
Sharma, G. R., M.A. (CC.).
Ram, Sadhu, M.A. (CC)

Sindhi

Sadarangani, H. I., M.A., Ph.D. (D.).

Zoology

Bhatia, M. L., Ph.D., D.Sc.*
Johri, L. N., M.Sc.*
Chauby, Miss S. L., M.Sc.*
Vishnoi, H. S. S., M.Sc.*
Chandy, Miss, Ph.D.*

Agriculture

Singh, R. N., M.Sc. (Ag.).
Bhandari, K. G., M.Sc. (Ag.).
Kathavate, Y. V., Ph.D. (Ag.).
Mehta, S. C., M.Sc. (Ag.).
Chandra, R., B.Sc. (Ag.).
Chowdhury, S. L., B.Sc. (Ag.).
Seth, S. P., M.Sc. (Ag.).
Iswaran, V., M.Sc. (Ag.).
Pruthi, H. S., M.Sc. (Ag.).
Gera, S. D., M.Sc. (Ag.).
Mehta, R. K., B.Sc. (Ag.).
Mathur, K. S., B.Sc. (Ag.).
Mehra, R. K., M.Sc. (Ag.).
Mirchandani, T. J., M.Sc., Ph.D. (Ag.).
Singh, J., Ph.D. Wales (Ag.).
Sircar, S. M., M.Sc., Ph.D. Lond. (Ag.).
Sundra Rao, W. V. B., M.Sc., Ph.D. (Ag.).
Badola, J. R., B.Sc. (Ag.).
Guptara, M. M., M.A. Oxon. (Ag.).
Randhawa, G. S., Ph.D. (Ag.).
Singh, G. (Ag.).
Agrawal, L. K., B.Sc. (Ag.).
Sharma, G. R., B.Sc. (Agri.) (Ag.).

Central Institute of Education

Basu, A. N., M.A. Lond., M.Ed.
Riberio, Lyra, M.A. (Educn.) Lond.
Pires, E. A., M.A., Ph.D. Bom.
Roy, P. K., M.A. Calc.
Chowdhury, K. P., M.A. Dacca, M.A. (Educn.) Lond.
Mathur, V. S., M.A. Lond.

Delhi School of Social Work

Moses, Dorothy, M.A., B.T.
Gore, M. S., M.A.
Thakurdas, F. S., M.A.
Gore, Mrs. P., B.A., Dip. S.S.A.
Paul, K., B.A., Dip. S.S.A.
Bhatt, Mrs. D., M.Sc.
Stuntz, Miss B., M.Sc.

AFFILIATED COLLEGES

DELHI, *St. Stephen's College* (B.A., B.Sc., B.A. (Hons.), B.Sc. (Hons.), M.A., M.Sc.). Principal—D. Raja Ram, M.A.

DELHI, *Hindu College* (Pre-medical, B.A., B.Sc., B.A. (Hons.), B.Sc. (Hons.), M.A., M.Sc.). Principal—N. V. Thadani, M.A.

DELHI, *Ramjas College* (B.A., B.Sc., B.A. (Hons.), B.Sc. (Hons.), M.A., M.Sc.). Offg. Principal—B. B. Gupta, M.A.

DELHI, *Delhi College* (Pre-medical, B.A., B.Sc., B.A. (Hons.), B.Sc. (Hons.), M.Sc., M.A.). Principal—M. M. Begg, M.A.

DELHI, *College of Commerce* (B.A., B.A. (Hons.), M.A., M.Com.). Principal —Gurmukh Nihal Singh, M.A.

DELHI, *Indraprastha College of Women* (B.A., B.A. (Hons.), B.Sc., B.Sc. (Hons.), M.A.). Principal—Miss B. Das Gupta, M.A.

DELHI, *Miranda House* (B.A., B.A. (Hons.), B.Sc., B.Sc. (Hons.), M.A., M.Sc.). Principal—Miss V. Thakurdas, M.A.

NEW DELHI, *Hansraj College* (B.A., B.A. (Hons.), B.Sc., B.Sc. (Hons.), M.A., M.Sc.). Principal—G. L. Datta, M.Sc., Ph.D.

DELHI, *Central College* (Pre-medical, B.A., B.A. (Hons.), B.Sc., B.Sc. (Hons.), M.A., M.Sc.). Principal—D. N. Bhalla, M.A.

NEW DELHI, *College of Nursing* (B.Sc. (Hons.) in Nursing). Principal— Miss M. Craig, M.A.

DELHI, *Central College of Agriculture* (B.Sc. (Hons.) in Agric.). Principal— T. J. Mirchandani, M.Sc., Ph.D.

DELHI, *Central Institute of Education* (B.T. and M.Ed.). Principal—A. N. Basu, M.A., M.Ed.

DELHI, *Delhi School of Social Work* (M.A. Social Work). Principal— Dorothy Moses, M.A.

NEW DELHI, *Lady Hardinge Medical College* (M.B., B.S.). Principal— D. P. Bali.

NEW DELHI, *Delhi School of Economics* (M.A. (Economics) and Research). Director—V. K. R. V. Rao, M.A., Ph.D., D.Litt.

GENERAL INFORMATION

The three constituent Colleges formerly affiliated to the Univ. of Panjab were united to form a teaching and residential Univ. (Govt. of India Act No. VIII. of 1922), with effect from May 1922. Fifteen Colleges, eleven for boys and four for girls, were recognized as Constituent Colls. of the Univ., viz.: St. Stephen's, Hindu, Ramjas, Delhi, Commerce, Indraprastha, Miranda, Hansraj, Central Coll., Coll. of Nursing, Central Coll. of Agriculture, Central Inst. of Education, Delhi School of Social Work, Delhi School of Economics, and Lady Hardinge Medical College. The authorities of the Univ. are a Court, an Executive Council and Academic Council, and Faculties and Cttees. of Courses and Studies. The qualification for admission to the 3-yr. degree course is the passing of the Higher Secondary Examn. of the Board of Higher Secondary Educn., Delhi, or an equivalent examn., or the Qualifying Examn. conducted by the Univ. Students who have passed the Intermediate Examn. of other Univs. may be granted exemption from the first yr. of the 3-yr. degree course. Students who have passed the Matriculation or equivalent examn. are required to join the one-yr. Preparatory Course and pass the Qualifying Examn. in order to be eligible for admission to the first yr. of the 3-yr. degree course.

FACULTIES AND DEANS. *Arts*—Dr. Ram Behari; *Social Sciences*—Dr. V. K. R. V. Rao; *Science*—Dr. R. C. Majumdar; *Law*—Prof. L. R. Sivasubramanian; *Medicine*—Lt.-Col. R. Viswanathan; *Agriculture and Forestry*—Dr. T. J. Mirchandani; *Education*—A. N. Basu.

DEGREES. B.A. (Pass), B.A. (Hons.), B.Sc. (Pass), B.Sc. (Hons.), B.Sc. Hons. (Ag.), B.Sc. Hons. (Nursing), 3 yrs.; M.A., M.Sc., M.Ed., M.Com., 2 yrs.' postgraduate; LL.B., B.C.L., 2 yrs.' postgraduate; LL.M., open to Bachelors of Law of 2 yrs.' standing, including 1 yr. resident study; LL.D., open to Masters of Law of 3 yrs.' standing; Ph.D., open to M.A. and M.Sc.; B. in Lib. Science; B.T.

FELLOWSHIPS AND SCHOLARSHIPS. The Univ. has instituted the following All India Fellowships and Scholps. open to graduates of all Indian Univs. recognized by the Univ.—3 Fellowships, each of Rs. 175 p.m., tenable for 2 yrs. for research work; 6 postgraduate scholps., each of Rs. 100 p.m., 10 postgraduate scholps. of Rs. 30 p.m. each, tenable for 2 yrs. for postgraduate studies. Two senior scholps. of Rs. 100 p.m. are awarded annually for research work in Economics; a senior scholp. in History, known as the Oxford Scholp., value Rs. 100 p.m., has been instituted from the income of the endowment created by the Rhodes Trust. In addition 12 Entrance Scholps., 6 for resident students—each of Rs. 100 p.m.—and 6 for non-resident students, each of Rs. 25 p.m., tenable for 3 yrs., have been instituted. There are also Sizarships and Exhibitions for Science and Law students.

RESIDENCE. Hostel Expenses, Rs. 70 p.m.

PUBLICATIONS. *Code*; *Courses of Reading*; *Question Papers*; *Annual Report and Annual Accounts*; *Minutes*; *Convocation Addresses*.

THE YEAR 1948–49

OTHER DEVELOPMENTS. New Faculty: Fac. of Social Sciences. At present there are in all 12 salaried Professorial Chairs, of which 3 in the Fac. of Arts, 2 in the Fac. of Social Sciences, 5 in the Fac. of Science, and 1 in the Fac. of Law are functioning.

STUDENTS. Full-time: 4178.

DEGREES (1949). B.A., 199; B.A. Hons., 66; M.A., 79; LL.B., 162; B.Sc., 48; B.Sc. Hons., 24; M.Sc., 20; Ph.D., 1; B.T., 66; M.Ed., 18.

EAST PANJAB UNIVERSITY

Founded 1947

Address—Solan (Simla Hills), India.

CHANCELLOR—H.E. CHANDU LAL MADHAV LAL TRIVEDI.

VICE-CHANCELLOR—DEWAN ANAND KUMAR, M A. Camb.

REGISTRAR—BHUPAL SINGH, M.A., D.Litt.

DEPUTY REGISTRAR (ADMINISTRATION)—J. R. AGNIHOTRI, M.A. Panj., B.A. Oxon.

DEPUTY REGISTRAR (EXAMINATIONS)—NAND LAL.

ASSISTANT REGISTRAR (ACCOUNTS)—JAGDISH NARAIN.

ASSISTANT REGISTRAR (CONDUCT)—SHIV CHARAN SINGH, M.Sc.

ASSISTANT REGISTRAR (EXAMINATIONS)—KESAR MAL.

ASSISTANT REGISTRAR (CO-ORDINATION)—TRILOCHAN SINGH, M A., LL.B.

LIBRARIAN—RAM LABHAYA, B.A.

TEACHING STAFF

Astronomy

Syal, R. D., M.A. Demr.

Botany

Mehra, P. N., D.Sc. Hd. of Dept.

Chemistry

Singh, Niranjan, M.Sc. Hd. of Dept.

Commerce

Kapoor, I. M., M.Sc. Lond., B.Sc. Panj. Principal, Univ. Commerce College.

English

Sharma, D. C., M.A. Calc. Prof. and Hd. of Dept.

Geography

Kapoor, Capt. A. N., B.A. Lond., M.A.

Journalism

Singh, P. P., M.A. Missouri, B.A., LL.B. Lucknow, J.D. Lond.

Law

Anand, C. L., M.A., LL.B. Lond. Principal, Univ. Law Coll

Panjabi

Singh, Mohan, M.A., Ph.D. Calc., D.Litt. Reader.

Pharmacy

Swift, H. B. N., M.B., B.S., D.P.H. London.

Physics

Anand, B. M., M.Sc. Reader and Hd. of Dept.

Sanskrit

Kanta, Surya, M.A., D.Phil. Oxon., D.Litt. Reader and Hd. of Dept.

Technical Chemistry

Mehta, T. N. Hon. Hd. of Dept.

Zoology

Nath, Vishwa, M.Sc., Ph.D. Hd. of Dept.

AFFILIATED COLLEGES

AMBALA CANTT, *G.M.N. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—Jaswant Rai, M.A.

AMBALA CANTT, *S.D. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—Wadhawa Ram, M.A.

AMBALA CITY, *Dav College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal —Bahadur Mal, M.A.

AMBALA CITY, *S.A. Jain College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—G. C. Jain, M.Sc.

AMRITSAR, *Hindu College.* (Inter. Arts, Inter. Sc., B.A., M.A.) Principal —Sant Ram Grover, M.A.

AMRITSAR, *Khalsa College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A.) Principal—S. B. Bhai Jodh Singh, M.A.

AMRITSAR, *Govt. College for Women.* (Inter. Arts, Inter. Sc., B.A.) Principal —Miss W. F. Jacob, M.A.

BATALA, *Baring College.* (Inter. Arts, Inter. Sc., B.A.) Principal—R. M. Chet Singh, M.A.

BHATINDA, *Rajindra Inter. College.* (Inter. Arts.) Principal—Mulraj Singh, M.A.

BHIWANI, *Vaish College.* (Inter. Arts, Inter. Sc., B.A.) Principal—Sri Ram, M.A.

DHARAMSALA, *Government College.* (Inter. Arts, Inter. Sc., B.A.) Principal—Gomti Parshad, M.A.

FARIDKOT, *Brijindra College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—Niranjan Singh, M.Sc.

FAZILKA, *M.R. College.* (Inter. Arts, B.A.) Principal—Sikander Lal, M.A.

FEROZEPORE, *Dev Samaj College for Women.* (Inter. Arts, Inter. Sc., B.A., M.A.) Principal—P. V. Kunal, M.A.

FEROZEPORE, *R.S.D. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—S. B. Sen Gupta, M.A.

FEROZEPORE CANTT, *D.C. Jain College.* (Inter. Arts, Inter. Sc., B.A., M.A.) Principal—S. L. Bahl, M.A.

GURUSAR SADHAR (LUDHIANA), *Khalsa College.* (Inter. Arts, B.A.) Principal—S. Iqbal Singh, B.A., B.T.

HOSHIARPUR, *Dav College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A.) Principal—Ralla Ram, M.A.

HOSHIARPUR, *Government College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A.) Vishwa Nath, M.A., Ph.D. Lond.

JIND, *S.D. Pathshala.* (B.O.L.) Principal—Ram Swarup Sharma.

JULLUNDUR, *Dav College.* (Inter. Arts., Inter. Sc., B.A., B.Sc., M.A.) Principal—Suraj Bhan, M.A.

JULLUNDUR, *Doaba College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal —M. C. Khosla, M.A.

JULLUNDUR, *Kanya Mahavidyalaya.* (Inter. Arts, B.A.) Principal—Lajja Vati.

JULLUNDUR, *Lyallpur Khalsa College.* Inter. Arts, Inter. Sc., B.A.) Principal—Gurbachan Singh Talib, M.A.

JULLUNDUR CANTT, *Kgrim College.* (Inter. Sc. (Non-Medical Group).) Principal—Major F. S. Shergill.

KAPURTHALA, *Randhir College.* (Inter. Arts., Inter. Sc., B.A.) Principal —Hardit Singh Dhillon, M.A., Ph.D.

KARNAL, *E.P. Dyal Singh College.* (Inter. Arts, B.A.) Principal—R. S. Raghunath Sahai.

KHANNA, *A.S. College.* (Inter. Arts, B.A.) Principal—Nand Lal, M.A.

LUDHIANA, *Arya College.* (Inter. Arts, Inter. Sc., B.A.) Principal—S. R. Suri, M.Sc.

LUDHIANA, *Government College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A.) Principal—Harish Chandra, M.A.

LUDHIANA, *Govt. College for Women.* (Inter. Arts, Inter. Sc., B.A.) Principal—Miss S. Sen, B.A. Lond., B.T.

MAHILPUR (HOSHIARPUR), *S.G.S. Khalsa College.* (Inter. Arts, Inter. Sc., B.A.) Principal—S. Harbhajan Singh.

MALERKOTLA (PEPSU), *Malerkotla Inter. College.* (Inter. Arts.) Principal— B. N. Chopra, M.A.

MANDI (HIMACHAL PRADESH), *Vallabh Mahavidyalaya.* (Inter. Arts, B.A.) Principal—Raj Narain Mathur, M.A.

MOGA, *D.M. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal— R. K. Kumar, M.A.

NABHA, *Rspudaman College.* (Inter. Arts, Inter. Sc., B.A., M.A.) Principal —B. D. Batta, M.Sc.

NEW DELHI, *East Panjab University Camp College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A.) Principal—S. K. Kapur, M.A.

PATIALA, *Mahendra College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A.) Principal—Teja Singh, M.A.

PATIALA, *Victoria Girls' Inter. College.* (Inter. Arts.) Principal—Lalita Sen, B.A.

PHAGWARA, *Ramgarhia College.* (Inter. Arts, Inter. Sci., B.A., M.A.) Principal—S. Kirpal Singh, M.A.

QADIAN, *S.N. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal— Bawa Harkishan Singh, M.A.

REWARI, *Ahir College.* (Inter. Arts, Inter. Sc., B.A.) Principal—M. L. Khosla, M.A., B.T.

ROHTAK, *All India Jat Heroes Memorial College.* (Inter. Arts., Inter. Sc., B.A.) Principal—B. S. Aggarwala, M.A., Ph.D.

ROHTAK, *Government College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—R. B. Seth, M.Sc., M.A.

ROHTAK, *Vaish College.* (Inter. Arts, B.A.) Principal—S. N. Sanyal, M.A.

RUPAR, *Government College.* (Inter. Arts, Inter. Sc., B.A.) Principal— Bawa Balwant Singh, M.Sc.

SANAWAR, *Lawrence Royal Military School.* (Inter. Arts, Inter. Sc. (Non-Medical).) Principal—E. P. Carter, O.B.E., M.A. Camb.

SANGRUR, *Ranbir College.* (Inter. Arts., Inter. Sc., B.A.) Principal—Sita Ram Kohli, M.A.

SIMLA, *Bhargava Municipal College.* (Inter. Arts, Inter. Sc., B.A.) Principal—A. R. Khanna, M.A.

SIMLA, *S.D. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A.) Principal —Faqir Chand Arora, M.A.

PROFESSIONAL COLLEGES

AMRITSAR, *Medical College.* (Medical—M.B., B.S.) Principal—A. N. Goyle, M.B., Ph.D.

AMRITSAR, *Khalsa College.* (Agriculture—B.Sc. (Agric.).) Principal—S. B. Bhai Jodh Singh, M.A.

DALHOUSIE, *University College of Commerce.* (B.Com.) Principal—I. M. Kapoor, B.S. Panj., M.Sc. Lond.

FARIDKOT, *Brijindra College.* (Education—B.T.) Principal—Niranjan Singh, M.Sc.

FARIDKOT, *Brijindra College.* (Agriculture—F.E. (Agric.).) Principal—Hardit Singh, M.A., Ph.D.

FARIDKOT (PEPSU), *Bikram College for Commerce.* (Commerce—B.Com.) Principal—Raj Narain, B.Com., LL.B.

FEROZEPORE, *Dev Samaj College for Women.* (Education—B.T.) Principal—P. V. Kanal, M.A.

HISSAR, *East Panjab Veterinary College.* (Veterinary Science—B.V.Sc.) Principal—Mohan Singh Malhi.

JULLUNDUR, *Govt. Training College for Teachers.* (Education—B.T.) Principal—C. L. Kapur, M.A.

LUDHIANA, *Govt. Agriculture College.* (Agriculture—B.Sc. (Agric.).) Principal—Dalip Singh, M.Sc., Ph.D.

ROHTAK, *Vaish College.* (Commerce—B.Com.) Principal—B. S. Aggarwala, M.A., Ph.D.

ROORKEE, *East Panjab Engineering College.* (Engineering—B.Sc. (Eng.), Civil, Mechanical and Electrical.) Principal—H. C. Singh, M.Sc., Ph.D., D.I.C.

SIMLA, *Govt. Training College for Women.* (Education—B.T.) Principal—Miss S. Y. Harvey, M.A. Edin.

SIMLA, *Law College.* (Law—LL.B.) Principal—C. L. Anand, M.A., LL.B.

ORIENTAL COLLEGES

AMBALA CANTT, *Dewan Bahadur Krishan Kishore Sanskrit College.* (Visharada and Shastri.)

KAPURTHALA, *Randhir College.* (Vidhwan, Budhimani, Prajna, Visharada and Shastri.) Principal—Hardit Singh Dhillon, M.A., Ph.D.

SIMLA, *Shri Brahmin Sabha Sanskrit College.* (Prajna, Visharada and Shastri.) Principal—Pt. Dwarka Datt Sharma.

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 East Panjab. This Ordinance was subsequently replaced by the East Panjab University Act No. VII. of 1947, with effect from Dec. 1, 1947. At

present its jurisdiction extends over the East Panjab, Patiala and East Panjab States Union and Himachal Pradesh.

The Univ. is a teaching, affiliating and examining body and is open to all persons of either sex, irrespective of colour, creed or class.

FACULTIES AND DEANS. *Arts*, B. J. Singh ; *Science*, S. N. Singh ; *Law*, Hon. Mr. Justice E. Wetson ; *Engineering*, Brij Mohan Lal ; *Education*, Dr. K. C. Khanna ; *Oriental Learning*, Prof. D. C. Sharma ; *Commerce*, M. C. Mahajan ; *Veterinary Science*, Major A. C. Aggarwala ; *Agriculture*, Dr. Dalip Singh ; *Medicine*, Dr. A. N. Goyle ; Dean of *University Instruction*, D. A. Kumar.

DEGREE COURSES. B.A., B.Sc., 4 yrs. after matric. ; B.Ag., 4 yrs. after matric. ; B.Com., 3 yrs. after Intermed ; B.Sc. (Engineering), 4 yrs. after Intermed. ; LL.B., 3 yrs. after graduation ; M.B., B.S., 5 yrs. after pre-medical examn.

TEACHING DEPARTMENTS. *Physics, Chemistry, Zoology, English*, at present in the Government College, Hoshiarpur. *Technology*, at present attached to Delhi Polytechnic. *Botany, Panjabi*, at present at Khalsa College, Amritsar. *Pharmacy*, attached to Medical College, Amritsar. *Commerce*, Dalhousie. *Sanskrit and Hindi*, attached to D.A.V. College, Jullundur City. *Astronomy* and *Geography*, attached to Government College, Ludhiana. There is also a Law School at Simla maintained by the University.

THE YEAR 1949–50

DISPLACED PERSONS. At the request of the Ministry of Education, Government of India, a Camp College was established at Delhi, to help the refugee students in that area. This College still continues though the Intermediate and Degree Classes have been discontinued. Classes are held in the afternoon.

LIBRARY. The United Services Club, Simla, was purchased to form the nucleus of the University Library. A very large number of books have since been added and a considerable grant is being provided for the purpose in the next year's budget.

OTHER DEVELOPMENTS. The question of centralizing the teaching and postgraduate studies of the Univ. is still under consideration and efforts to find a suitable site continue. The construction of a Univ. Town near the proposed Capital of the East Panjab will be undertaken when the Govt. has begun construction of the Capital.

NATIONAL CADET CORPS. A number of Battalions of the National Cadet Corps have been allotted by Govt. to 23 Colls. for men. This Corps has taken the place of Univ. Officers' Training Corps. The members of this Corps can offer Military Sci. as additional optional paper (in place of additional optional vernacular) for the Intermediate and Degree Examns. The Third Panjab Girls' Troop of National Cadet Corps has been raised in the Govt. Coll. for Women, Ludhiana.

HONORARY DEGREES. *LL.D.*—Hon. Sardar Vallabhbhai Patel, Deputy Prime Minister of India ; Hon. Justice Mehr Chand Mahajan, Judge, Supreme Court of India ; H.E. Shri Chandulal Madhavlal Trevedi, Governor of East Panjab. *D.O.L.*—Bhai Vir Singh.

CHANGES IN REGULATIONS. The Matriculation syllabus has been completely revised. It now gives greater importance to the study of Hindi and

Panjabi, which have been made compulsory, and gives a wider choice of subjects to the student. A similar scheme of studies for the Intermediate Examn. is under consideration. Hindi and Panjabi have been introduced as elective subjects for the Intermediate Arts (as alternative to a Classical Lang. for those candidates who did not pass the Matric. Examn. in a Classical Lang.) and B.A. Examns. The M.A. Examn. in these subjects has also been instituted subject to Govt. sanction. The medium of instruction and examn. in M.A. Hindi and Panjabi will be Hindi and Panjabi (not English). To encourage and promote the preparation of standard lit. in Hindi and Panjabi, a Publication Bureau was instituted in Sept. 1948. 10 original works, 3 translations and 16 compilations to be used as text-books are in hand. The following important changes in Examn. Regulations have been made :—(i) Candidates for the M.Sc. Examn. in Agric. are not required to produce a cert. of having passed in the Optional Paper in French or German in the Intermediate Examn. (ii) Candidates for the M.A. and M.Sc. Examns. are now required to obtain 40 per cent marks in the aggregate and 33 per cent marks in each paper instead of 45 per cent in the aggregate and 40 per cent in each paper. (iii) An Examn. for the Dipl. in Tuberculosis Diseases (D.T.D.) has been instituted. (iv) Dipl. holders undergoing a condensed med. course at the Lake Medical Coll., Calcutta, have been permitted to qualify for this Univ.'s M.B., B.S. Examn. (v) Regns. dealing with the Degree of Master of Med. and Master of Surg. have been revised. (vi) The rules regarding appt. of Paper setters for the M.A. Examn. were revised. (vii) Panjabi Examn. in Persian Script and Oriental Titles' Examns. in Arabic have been discontinued. (viii) The system of bi-annual examns. has been extended to the Intermediate Examn. (ix) It has been decided to divide M.A. Examn. into M.A. Previous, to be held at the end of 5th yr. and M.A. Final to be taken at the end of 6th yr. (The decisions at (viii) and (ix) await Government Sanction.)

DEATH. Col. B. S. Nat, M.D., Director of Health Services, Panjab, and a Fellow of the Univ.

DEGREES (1949). B.A., 1985 ; B.Sc., 357 ; M.A., 123 ; M.Sc., 31 ; LL.B., 65 ; Ph.D., 1 ; M.D., 1 ; M.S., 1 ; M.B., B.S., 107 ; B.V.Sc., 18 ; B.Com., 5 ; B.Sc. Honours School, 132 ; B.A. (Hons.), 121 ; B.T., 174 ; B.Sc. Engineering (Civil), 14 ; B.Sc. Engineering (Mechanical), 6 ; B.Sc. Engineering (Electrical , 6 ; B.Sc. Agriculture, 61 ; M.Sc. Agriculture, 3 ; and B.Pharmacy, 6.

UNIVERSITY OF GAUHATI

Founded 1948

Address—Gauhati, Assam.
Telegrams—University Gauhati.

CHANCELLOR—H.E. THE GOVERNOR OF ASSAM.

VICE-CHANCELLOR AND CHAIRMAN OF THE EXECUTIVE COUNCIL—Prof. KRISHNA KANTA HANDIQUI, M.A. Calc. and Oxon.

PRESIDENT, ACADEMIC COUNCIL—Prof. 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.

TREASURER—S. RAJKHOWA, B.A.

SECRETARY, UNIVERSITY CLASSES—S. K. DATTA, B.Sc. Lond.

TEACHING STAFF

Botany

Barua, H. K., M.Sc. Calc., Ph.D. Camb., F.L.S. Prof.

Commerce

Sabharwal, D. C., M.A. Glas., B.Com. Edin. Prof.

Economics

Thomas, P. C., M.A., Ph.D. Madras Reader.

Education

Dasgupta, D. C., M.A., Ed.D. Calif. Reader.

Ramakrishniah, D., M.A., B.Ed., Ph.D. Reader.

History

Bhattacharyya, S., M.A. Calc. Reader.

Baji, A. R., M.A., Ph.D. Madras Reader.

Indian Language, Modern (Assamese)

Kakati, B. K., M.A., Ph D. Calc. Prof.

Labour Economics

..... Reader.

Mathematics

Thawani, V. D., M.A Camb. Prof.

Philosophy

Sharma, R. R., M.A., Ph.D. Calc. Reader.

Statistics

Huzurbazar, V. S., M.Sc., Ph.D. Camb. Reader.

POSTGRADUATE TEACHERS. Botany, 3; Economics, 4; History, 3; Mathematics, 3; Modern Indian Language (Assamese), 3; Philosophy, 4; Commerce, 5; Statistics, 4; Education, 4.

UNDERGRADUATE TEACHERS. Botany, 1; Statistics, 1; Geography, 2; Education, 3; Anthropology, 2; Modern Indian Language (Assamese), 1; Commerce, 11; Geology, 2; Labour Economics, 2.

UNIVERSITY LAW COLLEGE. Principal—S. K. Datta, B.Sc. Lond., and 3 Lecturers.

AFFILIATED COLLEGES

BARPETA, *M.C. College.* I.A., B.A.
DHUBRI, *B.N. College.* I.A., B.A.
DIBRUGARH, *Assam Medical College* (Govt.). M.B.
DIBRUGARH, *Dibrugarh College.* I.A., B.A., I.Com., B.Com.
GAUHATI, *B. Barooah College.* I.A.
GAUHATI, *Cotton College* (Govt.). I.A., I.Sc., B.A., B.Sc.
GAUHATI, *R.H. Girls' College.* I.A., B.A.
GAUHATI, *University Law College (Constituent College).* B.L.
IMPHAL (MANIPUR), *D.M. College.* I.A., B.A.
JORHAT, *Assam Agricultural College* (Govt.). I.Sc. (Agric.), B.Sc. (Agric.).
JORHAT, *J.B. College.* I.A., I.Sc., B.A., I.Com., B.Com.
KARIMGANJ, *Karimganj College.* I.A., I.Sc., I.Com., B.A.
NALBARI, *Nalbari College.* I.A., B.A.
NOWGONG, *Nowgong College.* I.A., I.Sc., I.Com., B.A.
SHILLONG, *Lady Keane Girls' College.* I.A.
SHILLONG, *St. Anthony's College.* I.A., I.Sc., B.A., B.Sc., B.Com.
SHILLONG, *St. Edmund's College.* I.A., I.Sc., B.A., B.T.
SHILLONG, *St. Mary's College.* I.A., B.A., B.T.
SILCHAR, *Gurucharan College.* I.A., B.A., I.Sc., I.Com., B.Com.
TEZPUR, *Darrang College.* I.A., I.Sc., B.A.

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 province of Assam which were formerly affiliated to the Univ. of Calcutta. Under the Gauhati University Act, 1947, the Govt. of Assam shall contribute annually not less than five lakhs of rupees to meet the recurring charges of the Univ.

The Univ. will be ultimately located at Pandu, seven miles from Gauhati. The permanent bldgs. of the Univ. will be constructed by the Public Works Dept. of the Govt. of Assam under the supervision of the Univ. Devel. Cttee. Satisfactory interim arrangements for the residence of students and teachers have been made in the Univ. colony at Chandmari, Gauhati. There are three hostels and twenty residential quarters at the foot of the Navagraha Hills. A qualified Medical Officer is attached to the Hostels.

The Depts. of Postgraduate Teaching 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, Geog. and Anthropol. Labs. are located in bldgs. placed at the disposal of the Univ. by the Govt. of Assam. The evening Commerce classes are held in the Govt. Cotton College bldgs.

FACULTIES. Arts, Law, Commerce, Science, Medicine.

REGULATIONS AND CURRICULA. The Univ. is at present following the Regulations and Courses of the Univ. of Calcutta with certain modifications and additions. The Matric. course in English, Assamese and Bengali has been revised. The Univ. has followed its own Curricula from the session 1949–50 in respect of the undermentioned subjects for the examinations

noted against each. Commerce—I.Com., B.Com. and M.Com. Mathematics —I.Sc., B.Sc. and M.Sc. Statistics—B.Sc. and M.Sc. Economics—M.A. History, Assamese—I.A., B.A. and M.A. English—I.A. and B.A. Labour Economics—B.A. and B.Com. Secretarial Practice—Diploma Examination.

DEGREES. B.A., M.A., B.Sc., M.Sc., B.Com., M.Com., B.T., B.L., M.B., B.Sc. (Agric.), D.Phil.

DIPLOMAS AND CERTIFICATES. Diploma in Secretarial Practice. Teachers' Training Certificate in Geography.

TEACHERS' TRAINING DEPARTMENT. The Univ. has its own Teachers' Training Dept. In addition to the regular B.T. course, arrangements have been made for a Teachers' Training Certificate Course in Geography.

SCHOLARSHIPS. The Univ. has so far granted two Research Scholps. of the value of Rs. 100 each per month, one for the study of the Econ. Geog. of Assam and the other for preparing a critical edition of the old Assamese translation of the Ramayana. Scholps. of Rs. 25, Rs. 35 and Rs. 40 p.m. are awarded to the students who stand first in the Matricn., Intermed., and B.A. and B.Sc. Examns. of the Univ. respectively.

STUDENTS' ADVISORY BOARD. The Univ. has established a Board for the benefit of students desiring to study at Indian and foreign Univs. Sec.—B. K. Barua, M.A., Ph.D.

PUBLICATIONS. The Univ. *Calendar*; a Journal and certain Selections for use as text-books in English, Assamese and Sanskrit for the Matric. Examn. have been published.

LIBRARIES. The Univ. Library is being organized and at present housed in the Law College premises. An annual grant of Rs. 20,000 has been provided to build up a comprehensive collection. The Law College has its own Library.

THE YEAR 1949–50

STUDENTS. Total: 8162, including 374 postgraduates.

DEGREES. B.A., 278; B.Com., 33; B.L., 28; B.Sc., 56; B.T., 30.

THE UNIVERSITY OF JAMMU AND KASHMIR

SRINAGAR

Founded 1948

Address—Srinagar, Kashmir.
Telegrams—University, Srinagar.

CHANCELLOR—SHRI YUVRAJ KARAN SINGH JI BAHADUR.

PRO-CHANCELLOR—THE HON. SHIEKH MOHAMMED ABDULLA.

VICE-CHANCELLOR—THE HON. CHIEF JUSTICE WAZIR JANKI NATH.

DEANS OF FACULTIES—Arts, S. L. PANDIT; Science, TIRATH RAM; Oriental Learning, MAULANA MOHD SAEED MASUDI; Education, ...

REGISTRAR—KHWAJA GHULAM AHMAD ASHAI, M.A., M.O.L., B.T.

CONTROLLER OF EXAMINATIONS—PIRZADA GHULAM RASOOL, B.A., B.T.

AFFILIATED COLLEGES

[F.A., F.Sc., B.A., M.A., etc. = affiliated up to Intermediate Arts, Intermediate Science, B.A., M.A., etc., standard.]

JAMMU, *Gandhi Memorial Govt. College.* M.Sc.

JAMMU, *Maharani Mahilla College.* B.A.

JAMMU, *Shri Rughnath Sanskrit College.* Hons. in Sanskrit.

SRINAGAR, *Amar Singh College.* B.A. and B.Sc.

SRINAGAR, *C.M.S. Biscoe College.* F.A. and F.Sc.

SRINAGAR, *Gandhi Memorial College.* F.A.

SRINAGAR, *Mahila Mahavidyalaya.* Hons. in Hindi.

SRINAGAR, *Oriental College.* Hons. in Persian and Arabic.

SRINAGAR, *Sri Pratap College.* F.A. and F.Sc.

SRINAGAR, *Teachers' Training College.* B.T.

GENERAL INFORMATION

The University of Jammu and Kashmir was established in Nov. 1948.

FACULTIES. Arts, Science, Oriental Learning and Education.

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).

UNIVERSITY OF LUCKNOW

Founded 1921

CHANCELLOR—H.E. THE GOVERNOR OF THE UNITED PROVINCES OF AGRA AND OUDH.

VICE-CHANCELLOR—ACHARYA NARENDA DEVA, M.A., LL.B.

HON. TREASURER—Hon. C. B. GUPTA, M.A., LL.B.

REGISTRAR—K. D. TEWARI, M.A., LL.B.

PROCTOR—R. D. MISRA, M.A., Ph.D.

HON. LIBRARIAN—KALI PRASAD, M.A., LL.B.

TEACHING STAFF

KING GEORGE'S MEDICAL COLLEGE

Principal—S. N. MATHUR, M.S., F.R.C.S.

Anatomy

..... Prof.
Narayan, D., M.S., F.R.S.C., D.L.O. Reader (Offg. Prof.).
Varma, H. C., M.B., B.S. Lectr.
Das, A. C., M.B , M S. Lectr.
Ribeiro, W., M B., M.S. Lectr.
6 Demrs.

Forensic Medicine

Bhargana, G. S., M.B., B.S., D.T.M., D.M.R.E. Pt.-time Reader.

Medicine

Sahai, H., M.B., B.S. Panj. Emeritus Prof.
Bhatia, B. B., M.D. Prof.
Misra, S. S., M.D. Prof.
Tandon, M. B., B.S., T.D.D., D.M.R.E. (Tuberculosis) Pt.-time Reader.
Sharma, D. N., M.B., B.S. (Medicine) Pt.-time Reader.
Kunwar, K. B., M.B., B.S., M.D. (Path., Med. and Pharm.) Lectr.
Gupta, N. N., M.D., B.S. Lectr.
The Supt., Mental Hosp., Agra Teacher in Mental Diseases.
Ganguli, A. N., M B., B.S., D.Ch. (Diseases of Children) Lectr.
Raghuvanshi, N. S., M.B., B.S. (Dis. of Children) Pt.-time Lectr.
Bahadur, T., M.B., Ch.B. (Skin Dis.) Pt.-time Lectr.
Mathur, J. B. L., M D., B.S., M.D. (Tuberculosis) Pt.-time Lectr.
Mehrotra, M. P., M.D., B.S. (Med.) Pt.-time Lectr.

Obstetrics and Gynæcology

..... Prof.
Mitra, K. N., M.B., B.S., M.D., F.R.C.S. Offg. Prof.
Malkani, Miss, M.B., B.S. Offg. Reader.
Sanwal, Mrs. H. M., M.B., B.S. Panj. Temp. Reader.
Kallianpurkar, S. M., M.D. Temp. Lectr.

Ophthalmology

Misra, C. P., L.M.S. Panj. Emeritus Prof.
Mitter, S. N., D.O.M.S. Prof.
Gupta, S., M.B., D.O.M.S. Lond., F.R.C.S.Ed. Reader.

Khanna, Capt. V. N., M.B., B.S., D.T.M., D.O., D.O.M.S. Lectr.
Hans Raj, M. B., B.S., L.O. Pt.-time Reader.

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. Lectr.
Mehrottra, R. M., M.D., B.S. Lectr.
5 Demrs.

Pharmacology

Gujral, M. L., M.B., B.S. Prof.
Chowdhury, N. K., M.D., B.S., Ph.D., D.T.M. Reader.
Bhargava, K. P., M.B., B.S. Lectr.
2 Demrs.

Physiology

Mathur, S. N., M.B., B.S. Alld., Ph.D. Lond. Prof.
Shukla, R. C., M.B., B.S., M.D. Reader.
Malaviya, B. K., M.Sc., Ph.D. Alld. Reader.
Paintal, A. S., M.B., B.S. Lectr.
Kapoor, S. R., M.B., B.S. Lectr.
7 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.
Krishna, B., M.Sc. (Radio-Physics) Pt.-time Lectr.
Kumar, A., M.B., B.S., D.M.R.E. Pt.-time Lectr.

State Medicine

Gajnik, B. S., M.B., B.S., D.P.H. Pt.-time Prof.
Prasad, B. G., M.D., D.P.H. Pt.-time Demr.

Surgery

Mathur, S. N., B.Sc. Alld., M.S., F.R.C.S. Prof.
Misra, S. C., M.B., B.S., F.R.C.S. Prof.
Prasad, T., M.B., B.S., F.R.C.S.Ed. Reader.
Sampath, B. (Dentistry) Reader.
Chowdhury, K. R., D.O., D.O.M.S., F.R.C.S. Pt.-time Reader.
Sinha, B. N., M.B., B.S., F.R.C.S. Eng. (Orthopæd. S.) Lectr.
Charan, A., M.B., M.S. Lectr.
Sharma, R. N., M.B., M.S. Lectr.
Bahl, I. N., M.B., B.S., D.A. (Anæsthetics) Pt.-time Lectr.
Chaudhry, K. P., B.D.S., L.D.S. (Dentistry) Lectr.
Misra, R. N., M.B., M.S., D.L.O. (Ear, Nose and Throat) Lectr.
Das, P., M.S. Lectr.
Bahadur, T., M.B., Ch.B. (Venereal Dis.) Pt.-time Lectr.
Pande, R. C., M.B., M.S.
Bhalla, Capt. L. R., B.Sc., B.D.S. (Dent.) Demr.

Canning College (Arts, Science, Law, Commerce and Oriental Dept.)

Arabic

Wahid Mirza, M., M.A. Panj., Ph.D. Lond. Reader.
Aleem, A., Ph.D. Berlin, B.A. Lectr.
Samadi, S. B., M.A., Ph.D., Dabir-i-Kamil (Islamic Culture) Lectr.

Botany and Geology

Das Gupta, S. N., M.Sc. Calc., Ph.D. Lond., D.I.C. (Bot.) Prof.
Chowdhury, H. P., M.Sc. Panj., D.I.C. Reader (Offg. Prof.).
Rao, S. R. Narayana, M.A., B.T. (Geol.) Reader.

Pande, S. K., M.Sc. Panj., D.Sc. Reader.
Ramchandra Rao, A., D.Sc. Reader.
Misra, R. C., M.Sc., B.T., Ph.D. (Geol.) Lectr.
Ganjoo, P. N., M.Sc. Ban., Ph.D. (Geol.) (on leave) Lectr.
Varma, G. S., M.Sc., Ph.D. Lectr.
Tewari, B. S., M.Sc. (Geol.) Lectr.
Singh, S. N., M.Sc. (Geol.) Lectr.
Agarwal, S. C., M.Sc., Ph.D. Lectr.
Kharkwal, A. D., M.Sc. Temp. Lectr.

Chemistry

Chatterji, A. C., D.Sc. Alld., Dr.Ing. Berlin Prof.
Raman Nayar, M., B.A. Madras Reader.
Sen, A. B., M.Sc., Ph.D. Reader.
Shukla, S. N., Ph.D. Lond., M.Sc. Reader.
Asthana, P. L., M.Sc. Alld. Lectr.
Verma, S. C., M.Sc. Lectr.
Srivastava, L. N., M.Sc. Lectr.
Mukerji, L. N., Ph.D. Lond., D.I.C., M.Sc. Lectr.
Yadava, B. P., M.Sc., Ph D. Lectr.
Gopal, R., M.Sc., Ph.D. Lectr.
Tewari, S. S., M.Sc. Lectr.
Srinastava, T. N., M Sc., Ph.D. Lectr.
Misra, G. S., M.Sc., Ph.D. Lectr.
Bose, A. N., M.Sc., Ph.D. Lectr.
Misra, V. S., M.Sc., Ph.D. Lectr.

Economics and Sociology

Mukerjee, R. K., M.A., Ph.D. Calc. Prof.
Mukerjee, D. P., M.A. Calc. Prof.
Majumdar, D. N., M.A. Calc., Ph.D. Camb., F.R.A.I., F.N.I. Reader.
Singh, B., M.A., Ph.D., D.Litt. Reader.
Joshi, M. D., M.A. Alld. (Econ. and Stats.) Lectr.
Chandra, P., M.A. Lectr.
Ghosh, A. K., M.A. Lectr.
Khan, N. A., M.A. Lectr.
Sharma, S. R., M.A., LL.B. Lectr.
Saran, A. K., M.A. Lectr.
Seth, K. G., M.A. Lectr.
Gurtu, D. N., B.Sc. Lond. Lectr.

English

Sidhanta, N. K., M.A. Camb. and Calc. Dean, Fac. of Arts, Prof.
Sreshta, R. R., M.A., LL.B. Camb. Reader.
Rao, A. V., M.A. Madr., Ph.D. Lond. Reader.
Bhattacharya, A. T., M.A. Lectr.
Mitra, D., M.A. Calc. and Luck. Lectr.
Rastogi, R. S., M.A. Lectr.
Narain, S. K., M.A. Lectr.
Mohan, R., M.A. Lectr.
Chandra, N., M.A. Lectr.
Johri, G. P., M.A. (on leave) Lectr.
Misra, S. P., M.A. Lectr.
Sinha, S. M., M.A., Ph.D. Lectr.
Jamiluddin, K., M.A. Lectr.
Jamil, Mrs. M , M.A. Lectr.
Farooqi, M. A., M.A., Ph.D. Lectr.
Saxena, P. K., M.A., Ph.D. Temp. Lectr.
Chaturvedi, B. N. Temp. Lectr.
Misra, S. S., M.A. Teacher.

Hindi

Gupta, D. D., M.A., LL.B., D.Litt. Prof.
Shukla; K. N., M.A., D.Litt. Reader.
Mishra, B., M.A., Ph.D. Lectr.
Avasthi, H. K., M.A. Lectr.
Agarwal, S. P., M.A., LL.B. Lectr.
Dikshit, T. N., M.A., LL.B., Ph.D. Lectr.
Trivedi, V. B., M.A. Lectr.
Misra, B. K., M.A. Temp. Lectr.

History,

Mookerji, R. K., M.A., Ph.D. Calc. Emeritus Prof.
Qanungo, K. R., M.A., Ph.D. Prof.
Das Gupta, S. N., M.A. Lond., D.Litt., F.R.Hist.S. Reader.
Chatterji, C. D., M.A. Calc. Reader.
Chatterji, N. L., M.A. Alld., D.Litt., Ph.D. Reader.
Hasan, S. N., M.A. Alld. Lectr.
Misra, G. S., M.A. Lectr.
Dikshit, R. K., M.A. Lectr.
Nagar, R. N., M.A. Lectr.
Puri, B. N., M.A. Lectr.

Mathematics and Statistics

Singh, A. N., M.Sc. Ban., D.Sc. Calc. Prof.
Misra, R. D., Ph.D. Edin., M.A. Reader.
Varma, R. S., D.Sc. Alld. Reader.
Shukla, P. D., M.A., Ph.D. Lectr.
Shukla, U. K., M.Sc., LL.B. Lectr.
Ballabh, R., M.Sc., Ph.D. Lectr.
Ghatak, M. N., M.A. (on deputation) Lectr.
Shukla, K. S., M.A. Lectr.
Sinhval, S. D., M.Sc. Lectr.
Jaiswal, J. P., M.Sc., LL.B. Lectr.
Agarwal, R. P., M.Sc. Lectr.
Mishra, R. S., M.Sc., Ph.D. Lectr.
Sharma, A., M.A. Temp. Lectr.

Military Science

Loomba, Capt. A. L., M.A. Pt.-time Lectr.
Sarkar, Capt. K. C., M.A., Ph.D. Pt.-time Lectr.
Sharma, Lt. P. N., D.Sc. Pt.-time Lectr.
Banerji, Lt. A. C., M.Sc. Pt.-time Lectr.

Modern European Languages

Kashyap, Mrs. Anita, LL.D. (French and German) Lectr.

Persian and Urdu

Rizvi, S. M. H., M.A. Reader.
Suroor, Al-i-A., M.A. (Urdu) Reader.
Fani, M. M. A. Q., M.A. Alld. Lectr.
Mosvi, S. Y. H., M.A. Lectr.
Husain, S. E., M.A. Alld. (Urdu) Lectr.
Hashmi, N. H., M.A. Alig. and Luck., Ph.D. Alig. (Urdu) Lectr.
Taqi, S. M., M.A., LL.B., L.T. (Urdu) Lectr.

Philosophy

Prasad, Kali, M.A., LL.B. Alld. Prof.
..... Reader.
Narain, R., M.A., LL.B. Reader.
Asthana, H. S., M.A. Lectr.
Chaturvedi, S., M.A., Dip.Ed. Lectr.
Loomba, R. M., M.A., LL.B. Lectr.
Jha, S. N., B.Sc., M.A., L.T. (Educ.) Lectr.
Paranjoti, Miss V., M.A., L.T., Ph.D. Lectr.
Lal, M. S., M.A., L.T., B.Ed. Lectr.
Lal, R., M.A., M.Ed. Lectr.
Singh, R. P., M.A., B.T., B.Ed. Sc. Lectr.
Devaraja, N. K., M.A., D.Phil. Lectr.
Mangalik, M. A., L.T., Dip. Ed. Lectr.
Kaut, L., B.Sc., B.Ed. Sc. Lectr.
Chandra, S., M.A. Lectr.

Physics

Deodhar, D. B., M.Sc. Alld., Ph.D. Lond., F.Inst.P. Lond. Prof.
Sharma, P. N., Ph.D., D.Sc. Reader.
Srivastava, B. N., D.Sc. Reader.
Dutt, S. K., M.Sc. Lectr.
Mathur, S. B. L., M.Sc. Lectr.
Saraf, J. R., M.Sc., Ph.D. Lectr.
Srivastava, S. S., M.Sc. Lectr.
Banerji, A. C., M.Sc. Lectr.

Saxena, M. C., M.Sc. Lectr.
Gupta, R. C., M.Sc. Lectr.
Sharma, C. B., M.Sc., D.Phil. Lectr.
Deo, P. G., Ph.D., D.Sc. Lectr.
Lal, K. C., M.Sc. Temp. Lectr.

Political Science

Ram, V. S., B.A. California, M.A., Ph.D. Harv., F.R.Hist.S. Prof.
Sharma, B. M., M.A., B.Sc. Alld., Ph.D., D.Litt. Reader.
Sultan, Mohd., M.A. Lectr.
Loomba, Capt. A. L., M.A. Lectr.
Masaldan, P. N., M.A., Ph.D. Lectr.
Dhawan, G. N., M.A. Agra and Luck., LL.B., Ph.D. Lectr.
Das, R. B., M.A., Ph.D. Lectr.
Sharma, I. D., M.A., Ph.D. Lectr.
Gohokar, D. Y., M.A., LL.B., D.Litt. Lectr.

Sanskrit and Prakrit Languages

Iyer, K. A. S., M.A. Lond. Prof.
Pandey, K. C., M.A., M.O.L. Panj., Ph.D. Reader.
Singh, S. V., M.A., Ph.D. Lectr.
Shukla, D. N., M.A. Lectr.
Banerjea, A. C., M.A. (on leave) Lectr.
Dikshit, G. P., M.A. Lectr.
Bhatnagar, K. N., M.A., Ph.D. Temp. Lectr.

Zoology

Bahl, K. N., D.Phil. Oxon., D.Sc. Oxon. and Panj., F.N.I. Prof.
Thapar, G. S., M.Sc. Panj., Ph.D. Lond. Reader.
Lal, M. B., D.Sc. Reader.
Dayal, J., D.Sc. Lectr.
Das, S. M., D.Sc. Lectr.
Gupta, P. D., M.Sc., Ph.D. Lectr.
Pal, R., M.Sc., Ph.D. Lectr.
Sinha, B. B., D.Sc. Temp. Lectr.

Commerce

Commerce

Das Gupta, B. N., B.A. Calc. Prof.
Pant, D., B.Com. Bom., Ph.D. Dub. Reader.
Sarkar, K. C., M.A., Ph.D. Lectr.
Sharma, S. L., M.Com. Lectr.
Saksena, P. D., B.Com., M.A. Lectr.
Pandey, A., M.A. Lectr.
Johri, H. C., M Com., LL.B. Lectr.

Economics

Chatterji, B. N., M.A., B.L. Calc. Reader.
Gupta, O. P., B.A. Ban., B.Sc. (Econ.) Lond., F.S.S. Lectr.
Dutt, G., M.A., M.Com., LL.B. Lectr.
Hajela, G. L., M.A., B Com. Lectr.

Law

Singh, R. U., M.A., LL.B. Alld., S.J.D. Harv. Prof.
..... Reader.
Shameem, K. M., B.A., B.C.L. Reader.
Nigam, S. S., M.Sc., LL.M. Reader.
Shukla, V. N., LL.M. Lectr.
Sharma, S. D., M.A., LL.M. Lectr.
Gupta, B. K., B.Sc., LL.M. Lectr.
Nigam, R. C., M.A., LL.M. Lectr.
Sharma, B. N., B.A., LL.M. Lectr.
Tandon, L. N., B.A., LL.M. Lectr.
Tewari, R. B., LL.M. Temp. Lectr.
Kher, Miss S., M.A., LL.B. Temp. Lectr.
Markose, A. T., LL.M. Temp. Lectr.

Oriental Department

Arabic and Persian

Alvi, M. H., M.A., Ph.D., Fazil (Deoband) Mulla Alld. First Maulvi.

Naqvi, S. A. N., Fazil-i-Adab, Sadrul - Afazil, Mumtazul-Afazil Second Maulvi.
Hasan, M., Fazil Alld., Sadr-ul-Afazil, Ph.D. Third Maulvi.

Sanskrit

Avasthi, G. C., Vyakarna Acharya, First Pandit.
Dwivedi, R. S., Vyakarna Acharya, Sahityacharya Second Pandit.

Isabella Thoburn College (Women)

Principal—Miss S Chakko, M.A., M.Ed. Chic.

Chemistry

Wallace, Miss W., B.A. Minn., M.A. Columbia Reader.
Verma, Miss Sharda K., M.Sc. Lectr.

Economics and Sociology

Krishna, Anand, M.A. Lectr
Misra, Miss K., M.A. Lectr.

English

Dimmitt, Miss M. A., B.A. de Pauw, M.A. Wellesley Reader.
Ward, Mrs. W. F., M.A. Lectr.

History

Johnson, Miss S. E., M.A. Columbia Reader.
Dass, Miss I., M.A. Lectr.

Mathematics

Chandapillai, Miss A., M.A., L.T. Lectr.

Persian and Urdu

Rizvi, Syed M. H., M.A. Lectr.

Philosophy

Williams, Miss L. V., M.A. Ohio Lectr.
Shukla, Miss M., M.A., D.T. Lectr.
Bearden, Miss D. M., M.A. Lectr.
Sluyter, Miss E. H , M.A. Lectr.
Shipstone, Miss E., M.A., D.T. Lectr.

Physics

Zutshi, M. N., M.Sc., L.T. Lectr.

Political Science

Manchester, Miss R. C., M.A. Bryn Mawr, Ph.D. Reader.
Wanchoo, Miss V., M.A. Lectr.

Sanskrit, Prakrit Languages and Hindi

Bahuguna, S. P., M.A. (Hindi) Lectr.
Sinha, Mrs. C., M.A. Lectr.

Teaching

Hunt, Miss A. F., M.A. Reader.
Wilson, Miss M. D., M.Ed. Patna, B.A., D.T. Lectr.
Pierce, Mildred, B.E., M.A. Lectr.
Landrum, Miss M. K., M.A. Lectr.

Zoology

Mathew, Miss A., M.A. Lectr.

Mahila Vidyalaya College (Women)

Principal—Miss K. Sabarwal, M.A. Patna.

Economics and Sociology

Vargese, Mrs. S., M.A. Lectr.

English

Pandey, Deoki D., M.A. Lectr.
Vyas, Manorama, M.A. Lectr.
Dube, Miss S., M.A., D.T. Lectr.

History

Srivastava, Mrs. Rameshwari D. Lectr.
Shukla, Mrs. K., M.A. Lectr.

Mathematics and Statistics

Bajpayee, Mrs. Saraswati, M.A., L.T. Lectr.

Philosophy

Lal, Kanji, M.A., B.T. Lectr.

Sanskrit, Prakrit Langs. and Hindi

Tiwari, Mrs. Pratibha, M.A. Lectr.
Srivastava, Miss R. K., M.A. Lectr.

Lucknow Christian College

Principal—C. M. Thacare, M.A., T.Dip., Ph.D.

Botany and Geology

Nigam, M. P., M.Sc. Teacher.

Bhakey, G. N., M Sc., LL.B. Teacher.

Chemistry

Tweedi, E. R., M.Sc., Ph.D. Chicago Teacher.

Chowfin, E. H , M.Sc., L.T. Teacher.

Sinha, A. K., M Sc. Teacher.

English

Thacore, C. M., M.A , T.Dip., Ph D. Teacher.

Joardar, N., M.A., B.Ed. Teacher.

Mathematics and Statistics

Srinastava, R. S L., M Sc Teacher.

Vergese, P. I., M.Sc. Teacher.

Physics

Ghosh, P. C., M Sc. Teacher.

Zoology

Jordan, E. L., M.Sc. Alld., M.A. Tor Teacher.

Kanya Kubja College

Principal—Madan Gopal Misra, M.Sc., L.T.

Botany and Geology

Majumdar, S. S., M.Sc., L.T. Teacher.

Bhatnagar, S. P , M.Sc. Teacher.

Chemistry

Misra, M. G., M.Sc., B.T. Teacher.

Chaturvedi, I. R., M.Sc. Teacher.

English

Chatterji, N. C., M.A. Teacher.

Mathematics

Dikshit, K. L., M.A. Teacher.

Physics

Vaish, K. N., M.Sc., L.T. Teacher.

Pandey, S. K., M.Sc., B.T. Teacher.

Zoology

Misra, V. R., M.Sc. Teacher.

Karamat Husain Muslim Girls' College (Women)

Principal—Miss Roshan Jahan Begam, M.A.

Economics and Sociology

Siraj, Hameeda, M.A., B.T. Teacher.

English

Hasan, Mrs. Sakina, M.A. Teacher.

History

Ali, Qamar J., M.A. Teacher.

Persian and Urdu

Omar, Ayesha B., M.A., B.T. Teacher.

Philosophy

Ara, Roshan, M.A., B.T. Teacher.

Political Science

Rahman, Hawwa B., M.A. Teacher.

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, Science, Medicine, Law, Commerce.

LIBRARY. 114,962 vols. (including K.G.M.C. and Bonarjee Library).

ADMISSION. Qualifications for Degree courses: Arts or Science—the Intermediate Examn. of an Indian Univ. or of the Board of High School and Intermediate Education, U.P., or of Rajputana (incl. Ajmere-Merwara), Central India, and Gwalior, or of the Board of Intermediate and Sec. Education, Dacca, and the Cambridge Higher School Certificate Examination; Law—Degree in Arts, Science or Commerce; Commerce—Commerce Diploma Certif. of the Panjab, or the Intermediate Examn. in Commerce of the Board of High School and Interm. Education, U.P., or of Rajputana (incl. Ajmere-Merwara), Central India, and Gwalior, or the Interm. Examn. in Arts (Group B—Special) of the Delhi Univ. or Interm. Examn. in Group E of the Board of Interm. and Secondary Education, Dacca; the Interm. Examn. of Andhra Univ., in 3 Commercial subjects; Interm. or B.A. Examn. of any recognized Univ., with Economics; Part I of the Associate Examn. of the Indian Institute of Bankers after passing Interm. Examn. Med.—Degree in Science of Agra or Aligarh, All., Banaras, Bom., Calc., Dacca, Delhi, Mad., Mys., Nagpur, Panj., Patna, or Rangoon taken with Chem. and Biol. and optional subjects, or, subject to certain conditions, the Interm. Examn. of Alig., Banaras, Panj., Delhi, Interm. Board of Ed., U.P., or of Rajputana, Central India, and Gwalior.

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. B.Ed.Sc., 1 yr. postgraduate for holders of B.T., L.T., D.T. or C.T.; 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.; M.D., M.S., 3 yrs. after M.B., B.S.; B.I.M.S., 5 yrs'. course after Inter. Science; B.Com., 2 yrs.; M.Com., 2 yrs. after B.Com.; Ph.D., after 2 yrs.' research. The lectures are supplemented by tutorial work.

DIPLOMAS AND CERTIFICATES. Diplomas are granted in Public Admin., Foreign Affairs and Diplomacy, Public Health, Medical Radiology and Electricity, Laryngology and Otology, Gynæcology and Obstetrics, Teaching, Arabic, Persian and Sanskrit, Military Science, Dental Surgery, Tuberculosis Diseases, Ophthalmic Medicine and Surgery, and Clin. Pathol. Certificates of Proficiency and Diplomas in French, German and Russian are also granted.

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; D.P.H., Rs. 340; Diplomas in Med. Radiol. and Elect., Laryngol. and Otol., Gynæcol. and Obstetrics, Rs. 400 for students outside U.P., Rs. 300 for U.P. students; B.Sc. Pass and Hons., or B.Ed.Sc., Rs. 180 (Geol., Rs. 225); M.Sc., Rs. 216 (Maths., Rs. 150); LL.B., Rs. 180; D.Sc., Rs. 270; Ph.D., Rs. 150 (Rs. 225 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; German or French Certif., Rs. 120; D.D.S., Rs. 300; T.D.D., Rs. 400; D.O.M.S., Rs. 300; D.C.P., Rs. 150; B.I.M.S., Rs. 180.

RESIDENCE. Students are required, unless specially exempted, to live in hostels, King George's Medical Coll., Canning Coll., Lucknow Christian Coll., Kanya Kubja Coll., D.A.V. Coll. and Shia Coll. for men; Isabella Thoburn Coll., Mahila Vidyalaya Coll. and Karamat Husain Muslim Girls' Coll. for women. There is also a Univ. hostel for women students attached to Canning

Coll. Fees: For men—Rs. 90 to Rs. 135 per session, according to room. For women—Rs. 67 to Rs. 90 per session, according to room.

PUBLICATIONS. *Calendar*; *Prospectus*; *Annual Report*; *Quinquennial Report of Research Work*; *Lucknow University Studies*.

THE YEAR 1948–49

EXTRA-MURAL WORK. Extension Lectures delivered by members of staff. Night Schools, Lantern Lectures and Civic Surveys organized by students in the Univ. Intimate contact established with evening schools for working men's children.

RESIGNATION. Dr. Athar Rasheed (Philos.).

STUDENTS. 4942 (approx.), including recognized Colleges.

DEGREES, ETC. (1949). 1859.

UNIVERSITY OF MADRAS

Founded 1857

Address—University Buildings, Chepauk, Triplicane P.O., Madras.
Telegrams—" University, Madras."

CHANCELLOR—H.E. 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.

LIBRARIAN—M. O. THOMAS, M.A., Th.D., F.L.A.

TEACHING STAFF

Anthropology

Ehrenfels, Baron U. R., Ph D. Vienna — Sr. Lectr.

Biochemistry

Subbaraya Sarma, P., M.Sc., Ph.D. — Prof.

Narayanaswami, A., B.Sc., Ph.D. — Res. Asst.

Botany

Sadasivan, T. S., M.Sc., Ph.D. — Prof.

Ramakrishnan, K., M.Sc. — Res. Asst.

Experimental Psychology

Boaz, G. D., M.A., D.Phil. Oxon. — Reader.

Geography

Kuriyan, G , B.A., B.Sc., Ph.D. Lond. — Prof.

..... — Lectr.

Indian Economics

Balakrishna, R., M.A., Ph.D. Lond. — Prof.

Poduval, R. N., B.A., M.Sc., Ph.D. Lond. — Reader.

Zacharias, C. W. B., M.A., L.T. — Lectr.

Indian History and Archæology

Dikshitar, V. R. R., M.A., Dip. Econ. — Prof.

Mahalingam, T. V., M.A., D.Litt. — Reader.

Arokiaswami, M., M.A., Ph.D. — Lectr.

Indian Music

Sambamurti, P., B.A., B.L. — Lectr.

Indian Philosophy

Mahadevan, T. M. P., M.A., Ph.D. — Reader.

Mathematics

Vaidyanathaswami, R., M.A., D.Sc. Lond., Ph.D. Edin. — Prof.

Venkataraman, M., M.A., D.Sc. — Asst.

Politics and Public Administration

Bhaskaran, R., M.A. — Reader.

Statistics

Rajalakshman, D. V., M.A., M.Sc., F.S.S. — Lectr.

Technology

Govinda Rao, M. A., M.A., Ph.D. — Director and Prof.

Jayaraman, V. S , B.E. (Gen. Engin.) Reader.
Madhavan Nair, A. P., M.A. (App. Phys. Chem.) Reader
Laddha, G. S., B.Sc (Tech.), M.Sc., Ph D. Purdue (Chem. Engin) Reader.
Chennakesavan, B., B.Sc. (Chem. Engin.) Jr. Lectr.
Janardhan, P B., B.Sc. (Indust Chem.) Jr. Lectr.
Murugamanickam, P., B E. (Gen. Engin.) Jr. Lectr.
Amalsad, D. M. (Textile Technol.) Hon. Prof.
Quraishi, R. A., B.Sc., B.Sc. (Tech.) (Textile Technol) Jr. Lectr.
Krishnamurthy, S., B.Sc., B.Sc. (Tech) (Textile Technol) Jr. Lectr.
Seshachalam Choudary, K., M.A., M.Sc. (Leather Technol.) Hon. Prof.
Mathew, C. E., B.Sc., B.Sc. (Tech.) (Leather Technol) Asst.
Rajabather, K. (Leather Technol) Tanning Instr

Zoology

Gnanamuthu, C. P., M.A , D.Sc. Prof
..... Res. Asst

Oriental Research Institute

(3 Sections—*Sanskritic, Dravidian and Islamic*)

Sanskrit

Raja, C. K., B.A., D.Phil. Oxon. (on leave) Prof.
Raghavan, V., M.A., Ph.D. Sr. Lectr.
Subramania Sastri, S., B.O.L. Jr. Lectr.

Tamil

Sethu Pillai, R. P., B.A., B.L. Prof.
Dorairangaswamy, M. A., M.O.L. Sr. Lectr.
Purushothama Naidu, B., Vidvan Jr. Lectr.

Telugu

Venkata Rao, N., M.A. Sr. Lectr.
Ramakrishna Sastry, S., M.A., B O L. Jr. Lectr.

Malayalam

Menon, C. A , B.A., Ph.D. Lond. Reader.
Nayar, S. K., B.O.L. Jr. Lectr.

Kannada

Mariappa Bhat, M., M.A., L.T. Sr. Lectr.
Govinda Rao, M., M.A. Jr. Lectr.

Arabic, Persian, and Urdu

Nainar, M. H., M.A. Aligarh, Ph.D. Lond., LL.B. (Arabic) Reader.

Junior Lecturers

Eushaw, S , B.A. (Persian).
Kokan, M. Y., M.A. (Urdu).

CONSTITUENT HONOURS COLLEGES

Madras, *Loyola College*. (Recognized in Hons. Courses in Econ., Maths., Chem. and Commerce.) Principal—Rev. Jerome D'Souza, B.A. (on leave) ; Rev. J. Adisayam, M.A., Vice-Principal. Profs. and Lecturers : *Chem.*—Rev. L. M. Yeddanapalle, M.A., Ph.D., D.Sc. ; P. C. Ramachandran, M.A. ; R. Viraraghava Sarma, B.A. ; S. Lakshminarasimhan, M.A. *Commerce*—G. Soundarajan, B.A., B.L. ; D. V. Krishnamurti, B.A., LL.B. *Econ. and Hist.*—Rev. F. Basenach, B.Sc. Lond., Ph.D. ; Rev. J. Adisayam, M.A. *English*—Rev. Jerome D'Souza, B.A. (on leave) ; Rev. L. D. Murphy, M.A. Oxon. ; The Rev. C. Leigh, S.J. ; A. L. Krishnan, M.A. ; N. Balakrishnan,

M.A.; M. G. Neelakantan, B.A. *French*—Rev. A. Sauliere; Rev. Mona; A. Maria Gabriel, B.A.; E. Divien, B.A. *Logic*: Rev. F. Varin; Rev. A. M. Antonyswami. *Maths.*—Rev. C. Racine, D.Sc.; V. A. Mahalingham, M.A.; K. S. Anantanarayana Iyer, M.A.; K. Adivarahan, M.A.; S. Narayanan, M.A. *Sanskrit*—K. V. Subrahmanya Sastri, B.O.L.; V. Varadachari, B.A. *Physics*—Rev. Thekekara, B.A., B.Sc.; V. Somasundaram Iyer, M.A.; S. R. Govindarajan, M.Sc.; C. C. Ouseph, B.Sc. *Tamil*—S. Srinivasa Ayyangar, B.A.; E. K. Natesa Sarma, B O.L. 42 other Teachers.

MADRAS, *Pachaiyappa's College.* (Recognized in Hons. Courses in Econ., Hist., Maths., Philos., Comm., Tamil Lang. and Lit., Telugu Lang. and Lit.) Principal—Rao Sahib R. Krishnamurti, M.A. Profs. and Asst. Profs.: *Botany*—V. S. Sundaralingam, M.Sc. *Chem.*—P. Bhaskarapanikkar, M.Sc. *Commerce*—P. R. Sundararajan, M.A., L.T., M.Com. *Econ.*—C. D. Rajeswaran, B.Sc. Lond. *English*—R. Krishnamurty, M.A.; M. Shanmugasundaram, M.A., L.T. *Hist.*—T. K. Venkataraman, M.A., L.T. *Indian Languages*: *Tamil*—M. Varadarajan, M.O.L., Ph.D. *Telugu*—M. Ramanuja Rao Naidu, M.A. *Sanskrit*—A. Shanmugha Mudaliyar, M.A. *Maths.*—T. S. Sankaranarayan Pillai, M.A.; K. Narasimhachari, M.A.; A. Ramanathan, M.A. *Philos.*—P. C. Munuswamy, M.A.; V. A. Devasenapati, M.A., Ph.D.; Mrs. S. Chennakesavan, M.A.; T. E. Shanmugam, M.A. *Physics*—R. N. Selvam, M.A. Camb.; V. P. Narayanan Nambiar, M.A. *Zool.*—B. Bonnell, M.A. 85 other Teachers.

MADRAS, *Presidency College.* (Recognized in Hons. Courses in Botany, Chem., Econ., English Lang. and Lit., Geog., Geol., Hist., Maths., Physics, Politics, Sanskrit, Tamil, Telugu, Zool.) Principal—Mahamud Abdul Haq Sahib Bahadur, M.A., D.Phil. Oxon. Profs.: *Botany*—C. Bhashyakarla Rao, B.Sc. Andhra, M.Sc. Ban., L.T. Madr., Ph.D. Lond.; T. N. Venkatanathachari, M.A., M.Sc. *Chem.*—M. V. Sitaraman, M.A., L.T.; T. R. Govindachari, M.Sc., Ph.D. *Econ.*—P. P. Kallukaran, M.A., B.Sc., Ph.D. Lond. *English*—V. K. Ayappan Pillai, B.A. Oxon.; B. Raghava Baliga, M.A. *Geog.*—B. M. Tirunaranan, B.A. *Geol.*—T. N. Muthuswami Ayyar, M.A., L.T. *Hist.*—T. Bala-Krishna Nair, M.A. Lond.; K. Kanakasabhapati Pillai, M.A., D.Phil. Oxon., D.Litt. Madr. *Maths.*—G. A. Srinivasan, M.A., L.T.; P. B. Patnaik, M.A., Ph.D. Lond. *Physics*—T. Krishnamurti, M.A.; V. S. Ramanujam. M.A. *Psychology*—B. Kuppuswamy, M.A., D.Litt. Mys. *Sanskrit*—A. Sankaran, M.A., Ph.D. *Zool.*—P. J. Sunder Rao, M.A., M.Sc.; K. C. Ramaswami, M.A., L.T. 46 other Teachers.

MADRAS, *Govt. Muhammadan College.* (Recognized in Hons. Course in Islamic History and Culture.) Principal—K. Swaminathan, M.A., B.L. Profs. and Lecturers: *Arabic and Persian*—R. Ahmed Farooqui, M.A., B.O.L. *Islamic Hist.*—Syed Abdul Wahab Bukhari Sahib, M.A., L.T. *English*—K. Swaminathan, M.A., B.L.; Ignatius Absalom, M.A. Calc. *Hist. and Econ.*—V. Habibullah, M.A., L.T. *Maths.*—Mir Shabeer Hussain, M.A., B.T. *Physics*—Syed Yakub, M.A., L.T. *Chem.*—M. Lakshmanan, M.Sc. Ban. *Natural Science*—G. K. Ramachandran, B.Sc., L.T. 30 other Teachers.

MADRAS, *Vivekananda College.* (Recognized in Hons. Courses in Maths., Econ. and Geography.) Principal—N. Sundaram Iyer, M.A. *English*—A. Srinivasanaghavan, M.A. *Languages*—C. Jagannathachariar, M.A., L.T. *Maths.*—T. R. Raghava Sastry, M.A. *Physics*—M. Narayanamurti, M.A. *Telugu*—K. Sundararama Sarma, M.A. *Hindi*—K. M. Sridar, B.A. *Chem.*—N. Anatavaidyanathan, M.A. *Natural Sci.*—G. Venkataraman, M.A.,

M.Sc., L.T. *Geog.*—K. Ramamurti, M.Litt. Agra. *Econ.*—V. Ganapati, M.A. *Hist.*—R. S. Chakravarthy, M.A., B.L. *Commerce*—R. Dayanidhi Reddy, B.A., L.T. *Logic*—S. Rajagopala Sastry, M.A., L.T. 42 other Teachers.

MADRAS, *Queen Mary's College.* (Recognized in Honours Course in Geography.) Principal—T. N. Ramamurti, M.A., L.T., B.Sc. (Econ.) Lond. *English*—B. Ahalya Bai, M.A., L.T.; Lucy Thomas, M.A., L.T. *Languages*: *Tamil*—Miss R. Rajamani, B.A., L.T. *Sanskrit*—Mrs. Devaki K. Menon, B.A. *Malayalam*—Miss M. N. Shree Devi, M.A., L.T. *French*—Mrs. D. Stuart, B.A., L.T. *Hindi*—Mrs. P. Mandakini Bai, B.O.L. *History*—Mrs T. N. Ramamurti, M.A., L.T., B.Sc.; Mrs. Devaki Damodaran, M.A., L.T. *Econ.*—Mrs. E. Kalliyini Kutty, M.A. *Logic*—Mrs. R. Kalpagam, B.A. *Geography*—Miss A. R. Iravathi, B.A. Rangoon, B.Ed.; Mrs. R. Radha, M.A., L.T. *Mathematics*—Miss S. Pankajam, M.A., M.Sc., L.T.; Miss K. Jagathambal, B.A., L.T. *Chemistry*—Mrs. T. Vasundhara, M.A., B.Sc., L.T.; Miss L. Rangacharlu, B.A., M.Sc., L.T. *Physics*—N. Ammani Amma, M.A., L.T.; Mrs. K. Ranganayaki Amma, M.A., L.T. *Natural Science*—Miss A. K. Joshua, B.Sc. Lond. *Indian Music*—Miss B. Swaminathan, M.A., L.T. *Household Art*—Miss R. Neela, B.Sc. Physical Director—Mrs. M. Gammon, B.A.

AFFILIATED HONOURS COLLEGES

ERNAKULAM, *Maharaja's College.* (Recognized in Honours Course in Chemistry.) Principal—G. R. Narayana Ayyar, M.A. *Chemistry*—K. N. Menon, M.A., Ph.D. Lond.; T. M. Menon, M.A.

TAMBARAM, *Madras Christian College.* (Recognized in Hons. Courses in English Lang. and Lit., Hist. and Econ., Maths., Philos., Physics and Zool.) Principal—Rev. A. J. Boyd, M.A., D.D. Vice-Principal—Rev. J. R. Macphail, M.A. Glas. Profs.: *Botany*—K. R. Venketasubban, M.A., Ph.D. *Chem.*—S. V. Anantakrishnan, M.A., Ph.D.; A. Viswanathan, B.A., M.Sc.; S. S. Gandhekar, M.A. Harv., 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.; Rev. J. R. Macphail, M.A. Glas. *Hist.*—Chandran Devanesan, M.A. Camb. *Economics*—S. S. Ayyar, M.A. *Maths.*—W. F. Kibble, M.A., Ph.D. Edin.; K. Narasimha Rao, M.A. *Philos.*—S. P. Adinarayan, M.A. Lond.; S. Parthasarathi, M.A. *Physics*—M. A. Thangaraj, M.A., Ph.D. Tor. *Zool.*—J. P. Joshua, M.A., Ph.D. Liv. 44 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.*—Rev. A. Haas; A. C. Joseph, M.A. *English*—Rev. T. N. Siquira, M.A. *Hist. and Econ.*—Rev. P. Carty, B.Sc. Lond.; Rev. X. Ehrhart; T. Srinivasan, M.A.; A. Hirudayaswami, M.A. *Logic*—J. Kalathil, Ph.D. Pontifical Gregorian U. *Maths.*—T. Totadri Ayyangar, M.A.; Rev. A. Gonsalves, M.A.; S. Suryanarayana, M.A. *Physics*—Rev. J. B. Rajam, M.A., D.Sc. Paris; K. S. Mandalam Iyer, M.A. *French*—Rev. A. Fournier. 65 other Teachers.

CONSTITUENT FIRST GRADE COLLEGES

MADRAS, *Women's Christian College.* Principal—Miss Eleanor D. Mason, M.A., Ph.D. 9 Profs., 29 other Teachers.

MADRAS, *The Ethiraj College for Women.* Principal—Miss K. S. Ranga Rao, M.A. 12 other Teachers.

MADRAS, *Stella Maris College.* Principal—Rev. Mother Lillian. 15 other Teachers.

AFFILIATED FIRST GRADE COLLEGES

ANANTAPUR, *Government College.* Principal—S. Ramachandran, M.A. 38 other Teachers.

BANGALORE, *St. Joseph's College.* Principal—Rev. B. D'Souza, B.A. Camb., D.D. 34 other Teachers.

COIMBATORE, *Government College.* Principal—A. Ramanatha Pillai, M.A., L.T. 24 other Teachers.

ERNAKULAM, *St. Albert's College.* Principal—L. M. Pylee, M.A., B.L. 25 other Teachers.

ERNAKULAM, *St. Teresa's College.* Principal—Sister M. Digna, M.A. 18 other Teachers.

FEROKE, *Farook College.* Principal—Janab C. M. Syed Mohideen Shah, Sahib Bahadur, M.A., L.T. 15 other Teachers.

KARAIKUDI, *Dr. Alagappa Chettiar College.* Principal—T. Suryanarayana, B.A. Camb. 28 other Teachers.

KUMBAKONAM, *Government College.* Principal—D. Namasivayam, M.A., L.T. 32 other Teachers.

KURNOOL, *Osmania College.* Principal—S. A. Latif, B.A., Ph.D. 28 other Teachers.

MADANAPALLE, *Theosophical College.* Principal—B. R. Kumar, M.A. 20 other Teachers.

MADHURAI, *American College.* Principal—S. J. Savariroyan, M.A. 40 other Teachers.

MADHURAI, *Madura College.* Principal—P. Mahadevan, M.A. 3 Professors and 44 other Teachers.

MADHURAI, *Thiagarajar College.* Principal—C. D. S. Chetti, M.A. 18 other Teachers.

MANGALORE, *Government College.* Principal—Mohammed Ishaq Hashimi, M.A., L.T.

MANGALORE, *St. Agnes' College.* Principal—Mother M. Clarissa, A.C., B.A. 26 other Teachers.

MANGALORE, *St. Aloysius' College.* Principal—Rev. E. J. Jacques, S.J., M.A., Ph.D. 7 Professors and 48 other Teachers.

PALAMCOTTAH, *St. John's College.* Principal—J. Vedasiromani, B.A., B.L. 3 Profs. and 20 other Teachers.

PALAMCOTTAH, *St. Xavier's College.* Principal—Rev. S. Arulsami, M.A. 33 other Teachers.

PALAMCOTTAH, *Sarah Tucker College.* Principal—Mrs. L. O. R. Joseph, M.A., L.T. 17 other Teachers.

PALGHAT, *Government Victoria College.* Principal—K. S. U. Nair, B.A. 50 other Teachers.

PUDUKKOTTAI, *H.H. The Raja's College.* Principal—K. Venkatarama Sarma, M.A., L.T.

SALEM, *Salem College.* Principal—A. Ramaswami Gounder, M.A., L.T. 26 other Teachers.

TELLICHERRY, *Government Brennen College.* Principal—K. P. G. Menon, B.A. Oxon. 15 other Teachers.

THEVARA, *Sacred Heart College.* Principal—Rev. Fr. Theodosius, B A. 6 Professors and 45 other Teachers.

TINNEVELLY, *Hindu College.* Principal—Alex. Gnanamuttu, M.A. 32 other Teachers.

TIRUPATI, *Sri Venkateswara College.* Principal—K. Rami Reddi, M.A., M.Sc., L.T. 24 other Teachers.

TRICHINOPOLY, *Holy Cross College.* Principal—Sister Philomena, M.A. 29 other Teachers.

TRICHINOPOLY, *National College.* Principal—M. S. Srinivasa Sarma, M.A. 5 Professors and 34 other Teachers.

TRICHUR, *St. Mary's College.* Principal—Sr. M. Patience, B.A., L.T. 27 other Teachers.

TRICHUR, *Sree Kerala Varma College.* Principal—P. Sankaran Nambiar, M.A. 3 Profs. and 25 other Teachers.

TRICHUR, *St. Thomas' College.* Principal—Rev. J. Kallingal, M.A. 37 other Teachers.

VANIYAMBADI, *Islamiah College.* Principal—Saiyid Abdul Qadir Sahib Bahadur, M.A., L.T. 20 other Teachers.

VIRUDHUNAGAR, *Senthikumara Nadar College.* Principal—Joseph Franco, M.B.E., M.A., L.T.

AFFILIATED SECOND GRADE COLLEGES

BELLARY, *Veersaiva College.* Principal—N. Basava Raj, M.A., B.Ed. 10 other Teachers.

CALICUT, *Malabar Christian College.* Principal—J. F. Thaddaeus, B.A., L.T. 13 other Teachers.

CALICUT, *Zamorin's College.* Principal—K. S. Krishna Ayyar, M.A. 20 other Teachers.

COIMBATURE, *Pedamedu P.S.G. Arts College.* Principal—B. R. Krishnamurthi Naidu, M.A. 12 other Teachers.

COIMBATURE, *Nirmala College for Women.* Principal—Sister M. Josephine, B.A., L.T. 10 other Teachers.

CUDDAPAH, *Govt. College.* Principal—Mohammed Ghani, B.A., L.T. 7 other Teachers.

MADURA, *Lady Doak College.* Principal—Miss M. Oommen, M.A., Ph.D. 17 other Teachers.

SIVAGANGA, *Raja Doraisingam Memorial College.* Principal—C. S. Srinivasachariar, M.A. 11 other Teachers.

TUTICORIN, *St. Mary's College.* Principal—Sr. Janet Mary, B.A., L.T. 6 other Teachers.

UDIPI, *Mahatma Gandhi Memorial College.* Principal—H. Sunder Rao, B.A. 12 other Teachers.

VELLORE, *Voorhees College.* Principal—S. Jesuratnam, B.A., B.Sc. 23 other Teachers.

CONSTITUENT PROFESSIONAL COLLEGES

Engineering

GUINDY, *College of Engineering.* Principal—Lt.-Col. S. Paul, B.E. Profs.: *Civil Eng.*—N. S. Krishnaswami Ayyangar, B.A., B.E.; N. Visvanatha Ayyar, B.A., B.E. *Electr. Eng.*—K. Sukumaran, B.E., Ph.D. *Maths.*—S. A. Mani, B.A., L.T. *Mech. Eng.*—S. Paul, B.E.; S. P. Vores. 36 other Assts. (Instructors, Workshop Assts.).

Law

MADRAS, *Law College.* Principal—S. Govindarajulu, B.A., LL.B. Camb. Profs.—G. C. V. Subba Rao, B.Sc., M.L.; K. V. Venkatasubrahmanyam, M.A., M.L. Other Lectrs.—B. Lakkapparai, B.A., B.L.; S. V. Venugopalachari, B.A., B.L.; E. Venkatesam, B.A., M.L.; T. P. Gopalakrishnan, B.A., M.L.

Medicine

MADRAS, *Medical College.* Dean—R. V. Rajam, M.B., M.S. Profs. and Teachers: *Anat.*—G. Rao, B.A., M.B., B.S. *Bact.*—P. S. Natesan, M.B., B.S. *Biochem.*—A. S. Ramachandran, M.B., B.S., M.Sc. *Biol.*—K. I. Verghese, M.A., L.T. *Chem.*—P. Venkata Rao, B.A., M.B., B.S., M.Sc. *Dent. Surg.*—D. Sivasubramania Mudaliar, M.B., B.S. *Dermatol.*—Lt.-Col. J. Eapen, M.B., B.S. *Ear, Nose and Throat*—M. N. Prabhu, M.S. *Hyg.*—T. Lakshminarayana, M.B., B.S., B.S.Sc., D.P.H. *Infec. Dis.*—Abdul Hadi, M.B., B.S. *Med. Jurisp.*—K. C. Jacob, B.A., M.B., B.S., M.D. *Med.*—Lt.-Col. C. K. Prasada Rao, M.D.; B. H. P. Pai, M.D. *Mental Dis.*—A. S. Johnson, B.A., M.B., B.S.; A. S. Joshua, B.A., M.B., B.S. *Obst., Gynæ., and Dis. of Children*—R. K. K. Thampan, B.A., M.B., B.S., D.G.O. *Ophthalmol.*—R. E. S. Muthiah, M.B., B.S., M.S., D.O. *Orthopædics*—Lt.-Col. V. R. Thayumanaswamy, M.S., F.R.C.S. *Pharmacol.*—V. Iswariah, B.A., M.B., B.S., F.R.F.P.S. Glas. *Physics*—C. V. Ayyar, M.A., L.T. *Physiol.*—C. Vareed, M.B., B.S., M.Sc. *Radiol.*—K. Manchunath Rai, F.R.C.S., D.M.R. Lond. *Surg.*—Major Sangam Lal. *Surg., Princ.* and *Pract. of*—Lt.-Col. C. K. P. Menon, M.B., M.S., F.R.C.S. *Tuberculosis*—K. V. Rao, M.D. 71 Assistants.

MADRAS, *Stanley Medical College* (Royapuram). Principal—A. Anantanarayana Ayyar, B.A., M.B., B.S., M.Sc. *Anæsthesia*—M. S. Venugopal, M.B., B.S. *Bacteriol.*—A. S. Govindarajulu, M.B., B.S. *Chem.*—T. K. Meenakshisundaram, M.A., L.T. *Dermatol.*—S. Rajagopalan, L.M.S. *Ear, Nose and Throat*—M. Narayana Prabu, M.B., B.S., M.S.; K. P. Thomas, B.Sc., L.M.S., D.T.M. *Medicine*—P. Arunachalam, M.D., D.M.R. *Obstetrics and Gynæcol.*—P. Madhava Menon, M.B., B.S., D.G.O. *Pathol.*—G. D. Valieth, M.D., B.S., D.T.M. *Pharmacol.*—M. B. Iswariah, B.S. *Surg.*—C. Raghavachari, M.S., F.R.C.S.Ed. 36 Assistants.

Teaching

MADRAS, *Lady Willingdon Training College.* Principal—M. Lakshmi Ammal, M.A., L.T. Other Profs.: Miss V. Koman, M.A.; Miss C. P. Kamakshi Amma, M.A.; Miss M. Varughese, M.A. Lond.; Mrs. Shanmugasundaram, M.A., L.T.; Miss A. Parvati, M.A., L.T.; Miss E. T. Rajeswari, M.A., L.T. 4 other Teachers.

MADRAS, *St. Christopher's Training College.* Principal—Miss K. N. Brockway, M.A. Other Profs.: Mrs. H. S. Charles, B.A., L.T.; Miss E. M. Stokes,

M.Sc. Manc.; Miss Ellen J. James, B.A., L.T., M.Sc. Lond.; Miss D. M. Pearson, M.A.; Miss M. Cornelius, M.A., D.Ed. Mich. 5 other Teachers.

MADRAS, *Meston Training College.* Principal—Rev. T. R. Foulger, M.A. Other Profs.: D. T. Chiranjivi, M.A., B.Ed.; M. D. Devadason, B.A., B.Sc., L.T.; R. J. Victor, M.A., L.T.; K. Jacob, M.A., L.T. 5 Assts.

SAIDAPET, *Teachers' College.* Principal—V. R. Ranganathan, B.A., B.Litt. Other Profs.: S. Palaniswamy, M.A., L.T.; Miss C. Alexander, B.A., L.T., Dip.Ed.; S. Mahadeva Ayyar, M.A., L.T. 10 Assistants.

Veterinary

MADRAS, *Madras Veterinary College.* (B.V.Sc.) Principal—S. Vaidyanatha Mudaliyar. *Anatomy*—D. Mariappa. *Hygiene*—C. Venkateswara Rao, B.V.Sc., M.Sc. *Medicine*—Principal. *Parasitol.*—G. Ramanujachari, B.Sc., B.V.Sc. *Pathology and Bacteriology*—D. Mohd. Azizuddin, B.A., B.V.Sc., Ph.D. Edin. *Physiol.*—K. N. Govindan Nair. *Pharmacol.*—C. K. Velayudhan. *Surg.*—M. N. Menon. 10 Asst. Lecturers.

AFFILIATED PROFESSIONAL COLLEGES

Agriculture

COIMBATORE, *Agricultural College.* Principal—M. C. Cherian, B.A., B.Sc., D.I.C. *Agric.*—V. T. Subbiah Mudaliar. *Botany*—S. N. Chandrasekhara Iyer,,M.A. *Chem.*—P. D. Karunakar, M.Sc. Rutgers. *Engin.*—C. P. Raju, B.A., B.Sc. Agra. *Hygiene*—Francis Joseph. *Biol.*—M. C. Cheriyan, B.A., B.Sc., D.I.C. 31 Assistants.

Engineering

ANANTAPUR, *College of Engineering.* Principal—Major B. H. Marley, B.E. 22 other Teachers.

COIMBATORE, *Arthur Hope College of Technology.* Principal—A. Viswanath, M.Sc. Lond. 17 other Teachers.

Medicine

VELLORE, *Missionary Medical College for Women.* Principal—P. Kutumbiah, M.D., B.S. *Anæsthesia*—Gwenda Lewis, B.Sc., M.B., B.Ch. Wales, D.A. *Anat.*—D. L. Graham, M.D., B.Ch., B.A.O, L.M. *Bacteriol.*—J. T. Cornelius, M.A., M.D., M.P.H., Ph.D. *Ear, Nose and Throat*—Mrs. De Valois, B.A., M.D., F.R.C.S. *Medicine*—R. G. Cochrane, M.D., Ch.B., F.R.C.P., D.T.M. & H. *Medical Jurisprudence*—M. Balasubramanian, M.D., B.S. *Obstetrics and Gynæcol.*—Carol E. Jameson, B.A., M.D., F.A.C.S., F.R.C.S. *Ophthalmol.*—C. Victor; C. Rambo, F.A.C.S. *Pathol.*—Edward W. Gault, B.Sc., M.D., M.S., F.R.A.C.S. *Pharmacol.*—S. W. Hardikar, M.A. *Physiol.*—D. M. Jefferson, B.A., M.D., M.Sc. *Radiol.*—Ida B. S. Scudder, B.A., M.D., D.M.R.E. *Surgery*—John S. Carman, A.B., M.D., F.R.C.S. 27 Assistants.

Teaching

MANGALORE, *St. Ann's Training College.* Principal—Sister M. Clarissa, B.A., L.T. Other Profs.—Mother M. Gertrude, B.A., L.T.; Sr. Hilaria, M.A.; Sr. M. Gisella, M.A.; B. Rao, B.A. 3 other Teachers.

APPROVED INSTITUTIONS

Oriental Learning

Two Institutions in Madras and 24 in the Mofussil are recognized as qualified to provide instruction for the Oriental Titles.

Fine Arts

Kalakshetra, Adyar, Madras.

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., Biochem. 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 Public Administration, Sanskrit, Tamil, Telugu, Kannada, Malayalam, Arabic, Persian and Urdu, and Indian Music.

FACULTIES. Arts, Science, Law, Medicine, Engineering, Technology, Teaching, Agriculture, Vet. Science, Commerce, Oriental Learning, and Fine Arts.

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.

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 Exam.), 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.Sc. (Nursing); B.Sc. (Tech.); B.O.L., B.O.L. (Hons.), M.O.L.; B.T., M.Ed.; B.Mus.

DIPLOMAS. Anthropology, Geography, Modern European Languages (French and German), Librarianship, Journalism, Gynæcology and Obstetrics (D.G.O.), Venereology, Dermatology, Ophthalmology, Oto-Rhino-Laryngology, Radiology, Orthopædics, Tuberculosis, Physical Education, 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.

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. 64 per term, according to courses.

Fees levied by the Univ. for Diploma 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 November 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.

RESEARCH STUDENTSHIPS, tenable 2 yrs., value Rs. 60 p.m. FELLOWSHIPS, Rs. 125 p.m.

PUBLICATIONS. *Calendar* (July)—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*; *Tamil Lexicon* (6 vols. and 3 Addendum Volumes published).

THE YEAR 1948–49

NEW APPOINTMENTS. Director in Biochem.; Lectrs. in Anthropol., Urdu, Tamil, Telugu; Reader in Chem. Engin.; Res. Asst. in Botany; Asst. in Leather Technol. and Lectr. in Maths.

RETIREMENTS AND RESIGNATIONS. Dr. B. B. Dey (Director, Biochem. Lab.); L. A. Krishna Ayyar (Anthropol.); M. Varadarajan (Tamil); K. Ramakrishnayya (Telugu).

CHANGES IN REGULATIONS. Regns. framed for the Degree of Bachelor of Indian Medicine; Regns. revised for the Degree of Bachelor of Science (Hons.) examn., for Br. (i.b.) Statistics and for B.T. (Bachelor of Teaching).

STUDENTS. Arts and Science: 37,245. Professional: 5175.

DEGREES. B.A., 1823; B.A. (Hons.), 242; B.Sc, 877; B.Sc. (Hons.), 89; M.A., 224; B.L., 224; M.L., 1; M.B., B.S., 208; M.D., 5; M.S., 1; B.Sc. (Pharm.), 8; B.S.Sc., 1; B.E., 174; B.T. & L.T, 389; M Ed, 11; B.Sc. (Ag.), 68; B.V.Sc., 9; B.Sc. (Tech.), 23; B.Com., 293; B.O.L., 27; B.O.L. (Hons.), 9; M.O.L., 3; Ph.D., 9; M.Litt, 5; M.Sc., 12.

TITLES. Oriental Learning: 401.

DIPLOMAS. Midwifery (D.G.O.), 17; Ophthalmology (D.O.), 12; Oto-Rhino-Laryngology (D.L.O.), 5; Tuberculosis (T.D.D.), 8; French, 3; German, 3; Geography, 6; Indian Music, 9; Politics, 7; Librarianship, 3; Statistics, 16; Journalism, 2; Anthropology, 3.

UNIVERSITY OF MYSORE

Founded 1916

Telegrams—" Unireg," Mysore.

CHANCELLOR—HIS HIGHNESS MAHARAJA SRI JAYACHAMARAJA WADIYAR BAHADUR OF MYSORE, G.C.S.I., G.C.B.

PRO-CHANCELLOR—C. R. REDDY, M.A. Camb., D.Litt. Andhra.

VICE-CHANCELLOR—R. KASTURI RAJ CHETTY, B.A., B.L., Dip. Edn.

REGISTRAR—C. RANGACHAR, B Sc., M.Ed Leeds.

LIBRARIAN—G. HANUMANTHA RAO, M.A.

UNIVERSITY COLLEGES

CENTRAL COLLEGE, BANGALORE (CC).*

MAHARAJA'S COLLEGE, MYSORE (MC).

MAHARANI'S WOMEN'S COLLEGE, BANGALORE (MWCB).

FIRST GRADE COLLEGE, TUMKUR (FR.GR.C.T.).

FIRST GRADE COLLEGE, MYSORE (FR.GR.C.M.).

MAHARANI'S COLLEGE FOR WOMEN, MYSORE (MWCM).

ENGINEERING COLLEGE, BANGALORE (EC).

MEDICAL COLLEGE, MYSORE (Med.C.).

TEACHERS' COLLEGE, MYSORE (TC).

MEDICAL SCHOOL, BANGALORE (Med.S.).

COLLEGE OF COMMERCE, BANGALORE (Com.C.).

INTERMEDIATE COLLEGES

INTERMEDIATE COLLEGE, BANGALORE (ICB).

INTERMEDIATE COLLEGE, SHIMOGA (ICS).

INTERMEDIATE COLLEGE, DAVANGERE (ICD).

INTERMEDIATE COLLEGE, HASSAN (ICH).

INTERMEDIATE COLLEGE, KOLAR (ICK).

INTERMEDIATE COLLEGE, CHITALDRUG (I.C. Chit.).

INTERMEDIATE COLLEGE, CHIKMAGALUR (I.C. Chik.).

INTERMEDIATE COLLEGE, MANDYA (I.C. Mandya).

AFFILIATED COLLEGES

MYSORE, *St. Philomena's College.*

MYSORE, *Sharada Vilas Intermediate College.*

MYSORE, *D. Banumiah's College of Commerce.*

* (CC), etc.: symbols for reference to the Colleges.

BANGALORE, *Vijaya College.*
BANGALORE, *National Intermediate College.*
BANGALORE, *Basappa Intermediate College.*
BANGALORE, *Agricultural College.*
BANGALORE, *Sri Krishnarajendra Silver Jubilee Technological Institute.*
BANGALORE, *B.M. Srinivasiah College of Engineering.*
BANGALORE, *Law College.*
BANGALORE, *Mount Carmel College.*
BANGALORE, *St. Joseph's College.*

TEACHING STAFF

Botany

Narayana Rao, L., M.Sc., Ph.D. Lond. Prof. (CC).
Iyengar, C. V. K., D.Sc. Asst. Prof. (FR.GR.C.M.),
Srinath, K. V., M.Sc., Ph.D. Lond. Asst. Prof. (CC).
22 Lectrs.

Chemistry

Manjunath, B. L., M.Sc. Lond., D.Phil. Oxon. Principal and Prof. (CC)
Jois, H. S., M.Sc. Principal and Prof. (FR.GR.C.M.)
Ramaswamy Iyengar, H., M.Sc Prof. (FR.GR.C.T.).
Siddappa, S., M.Sc. (on leave) Asst Prof. (CC).
Narayan, G., M.Sc. Asst. Prof. (CC).
Subba Bhatta, K., M.Sc. Asst. Prof. (FR.GR.C.M.).
Venkata Rao, S. Asst. Prof. (CC).
43 Lectrs.

Commerce

Mandre, S. R., M.A., B.Com. Prof. (Com.C.).
Subba Rao, B. R., M.A., Dip.Com. Asst. Prof. (Com.C.).
Rama Rao, S. L., B.Sc. Lond. Asst. Prof. (Com.C.).
13 Lectrs.

Education

Siddalingaiya, M., M.A., B.T., Ph.D., Dip.Educn. Principal and Prof. (TC).
Dave Gowda, A. C , M.Ed. Leeds, M.A , B.T., Dip. Edn. Prof. (TC.).
Rangachar, C., B.Sc., M.Ed. Leeds Asst. Prof. (TC) Registrar.
Ananthan, K. R. K., M A. Oxon., M.Ed. Leeds Asst. Prof (TC).
4 Lectrs.

English

Eagleton, W. G. M A. Camb. Prof. (MC).
Ranganna, S. V., M.A. Prof. (MC).
Anantharamiah, K., M.A. Prof. (CC).
Murthy Rao, A. N., M.A. Actg. Prof. (CC).
Murthy Rao, A. N., M.A. Actg. Prof.
Krishnaswamy, Mrs. S., M.A. Lond. Supt. (MWCM).
Thiagarajan, V. A., M.A. Asst. Prof. (FR.GR.C T)
Krishnaswamy, C., M.A. Asst. Prof. (CC).
Singh, M. E. B., B.A. Supt. (I.C. Mandya).
Narasimhiah, C. D., B.A. (on leave) Asst. Prof.
Krishna Murthy, S., M.A. Asst. Prof. (MC).
Shama Rao, B. N., M.A. Asst. Prof. (CC).
Nambiar, O. K., M.A. Asst. Prof. (MC).

Ponnaiya, Miss A., M.A., M.Sc., B.T. Asst. Prof. (MWCB).
38 Lectrs.

Geology and Geography

Rao, L. N., M.A., F.G.S., F.N.I. Prof. (CC).
Naidu, P. R. J , M Sc. (on leave) Asst. Prof. (CC).
Subbaraya Mudaliar, T. V., B.Sc. Supt. (ICS).
Srinivasa Rao, M. R., M.Sc. Asst. Prof. (FR.GR.C.M.).
Ahmed, S N , M A , LL B. (Geog.) Asst. Prof. (MC).
13 Lectrs.

History, Economics and Politics

D'Souza, V. L., B.A., B.Com. Lond. (Econ.) Prof. (MC).

Asst. Profs.

Gopal, M. H., M.A., Ph.D. Lond. (Econ.) (MC).
Hutchappa, G. T., M.A. (ICB).
Krishna Rao, M. V., M.A., B.T. (Politics) (MC).
Jayalakshammanni, S., M.A. (History) (MWCB).
Raghavendra Rao, V , M.A. (History) (MC).
Parvathamma, H. M., B.A. (MWCB)
28 Lectrs.

Kannada

Puttappa, K. V., M.A. Prof. (MC).
Narasimhachar, D. L., M.A.
Sitaramaya, V., M.A. Supt. (I.C. Chik.).
Srikantuya, T. N., M.A. Supt. (ICD).

Mathematics

Madhava Rao, B. S., D.Sc., F.R.A.S. Prof. (CC).
Iyengar, C. N. S., D.Sc. Prof. (CC).
Nagappa, P. H., M.A., M.Sc. Lond. Prof. (EC).
Iyer, M. V., M.A., L.T. Prof. (FR.GR.C.T.).
Iyengar, K. V., D.Sc. Prof. (FR.GR.C.T.).

Asst. Profs.

Noronha, F. J., M A. Lond. (CC).
Iyengar, M. N. N., M.A. (FR.GR.C.M.).
Iyengar, M. T. R., M.Sc. (FR.GR.C.T.).
Narasimha Murthy, N. K., M.Sc. (MC).
Ramesan T., M.Sc. (CC).
29 Lectrs.

Philos., Psychol. and Logic

Gopalaswamy, M. V., B.A., B.Sc., Ph.D. Lond. (Psychol. and Logic) Principal and Prof. (MC).
Purushottam, T. A., M.A., Ph.D. (Philos.) Prof. (MC).
Nikam, N. R. A., M.A. Camb. (Philos.) Asst. Prof. (MWCB).
Raghavendrachar, H. N., M.A. (Philos.) Asst. Prof. (MC).
Yamuncharya, M., M.A. Supt. (ICH).
Swami Das, P., M.A. Asst. Prof. (ICB).
14 Lectrs.

Physics

Ramachandra Rao, S., M.A., Ph.D., D.Sc. Lond. Prof. (CC).
Bondade, S. B., B.A., LL.B., B.Sc. Lond. Prof. (CC).
Sundarachar, C. K., M.A. Principal and Prof. (FR.GR.C.T.).
Parameswaran, N., M.A. Prof. (FR.GR.C.M.).

Asst. Profs.

Sibiya, L., D.Sc. Supt. (ICK).
Subbaraya, T. S., D.Sc. (CC).
Ramaswamy, S., B.Sc., Ph.D. Lond., F.Inst.P. (CC).
Venkataramiya, H. S., M.Sc. (CC).
Iyengar, K. S., M.Sc., LL.B. (FR.GR.C.M.).
Ranga Iyengar, S., M.Sc. (FR.GR.C.T.).

Ramanathan, S., M.A. (ICD).
33 Lectrs.

Sanskrit

Lakshminarasimhiya, M., M.A.
Prof. (MC).
Iyengar, V. T. T., M.A.
Asst. Prof (MC).
13 Lectrs.

Tamil and Telugu

9 Lectrs. (5 for Tamil, 4 for Telugu).

Urdu, Persian, Arabic and Hindi

Khan, K. A., M.A., Ph.D. Camb. (Persian)
Asst. Prof (MC) and in charge of Depts. of Urdu, Persian and Arabic.
18 Lectrs.

Engineering

Engineering, Civil

Gopalakrishna, C., B.Sc , B E.
Dean, Fac. of Engin. and Technol., and Prof. (EC).
Radakrishna, G. N., B.E.
Actg. Prof. (EC).
Murthy, L. S., B.Sc., B.E.
Actg. Prof (EC).
..... Asst. Prof. (EC).
..... Asst. Prof. (EC).
7 Lectrs.

Engineering, Electrical

Das, J. P., B.A , M Sc.
Principal and Prof. (EC).
Channabasaviah, K. B. E., M.S. (E.E.) Wisc.
Asst. Prof. (EC).
Raju, W. J. P., B.A., B.E.
Asst. Prof. (EC).
..... Asst. Prof. (EC).
4 Lectrs.

Engineering, Mechanical

..... Prof. (EC).
Patankar, B. V., B.E.
Actg. Prof. (EC).
..... Asst. Prof. (EC).
Narayana Iyengar, B. R., B.Sc., B.E., S.M. (Mech)
Asst Prof. (EC).
Gopalakrishna, B. P., B Sc., B.E.
Asst. Prof. (EC).
5 Lectrs., 1 Drawing Instr.

Medicine

Krishnan, Rao Bahadur, B. T., B A., M B., B.S., M.Sc. (Physiol.)
Prof. and Principal (Med.C.).
Seshachalam, T., L.M.S.
Dean, Fac. of Med , Principal (Med.S.).
Reddy, B. R. R. (Surgery)
Pt.-time Prof.
Authikeshavalu, M , M.S., M.B , B.S., F.R.C.S.Can.
Pt.-time Prof. (Med.C.).
Appajee, Y., M.Sc Lond , B.A , M.B., B.S.
(Med) Pt -time Prof. (Med.C).
Ramakrishna Rao, A. K , B Sc., M B., B.S.
(Medicine) Pt.-time Prof. (Med.C.).
..... (Clin. Med.) Prof.
Naidu, V. R., M.B., B.S., M.S. (Pathol.) Prof. (Med.C.).
Hanumattekar, S., M.B., B.S. Bom. (Midwif.) Pt.-time Prof.
Sundara Rao, M. B., M.B., B.S., D.O.M.S. Lond.
(Ophthal.) Pt.-time Prof. (Med.C.).
Rangaswamy, A., M.B., B.S. (Forensic Med.)
Pt.-time Prof. (Med.C.).
Gopala Raja Chetty, C., B.A., M.B., B.S., D.P.H. (Hygiene)
Prof. (Med.C.).
..... (Pharmacol.) Prof.
Raghunatha Rao, G. S., B.Sc., M.B., B.S., D.Phil. (Pharmacol.) (Med.C.).

Asst. Profs.

Mascarenhas, F. P., M.B., B.S. (Surg.) Pt.-time (Med.C.).

Hiriyannaiya, S., B.A., M.B., B.S. (Physiol.) (Med.C.).

Visveswar, S. K., M.B., B.S. (Med.) Pt.-time (Med.C.).

Lalitha Lingiah, S., M.B., B.S., B.Sc. (Gynæcol.) Pt.-time (Med.C.).

Iyengar, S. G. S., M.B., B.S. (Hygiene) (Med.C.).

Vasudeva Rao, A., M.B., B.S. (Pathol.) (Med.C.).

..... (Anatomy).

Dayakara, M., M.B., B S. (Anatomy) Actg. (Med.C.).

Iyengar, N. L. K., B.Sc., M.B., B.S. (Biochem.) (Med.C.).

Namadev, A. D., M.B., B.S. (Med.) Pt.-time (Med.C.).

Krishnamacharlu, N. C. A., B.Sc., M.B., B.S. (Surgery) Pt.-time (Med.C.).

..... (Ophthalmol.) (Med.C.).

Lecturers—Anæsth. 1, Anat. 6, Dental Surg. 2, Hyg. 2, Infect. Dis. 2, Malariol. 1 Mental Dis. 2, Midwif. 2, Otorhinolaryn. 2, Pathol. 3, Physiol. 6, Tuberc. 2, Vaccin. 2, Venereal 1, X-ray and Radium Therapy 1, Ophthalmol. 2, Pharmacol. 2, Surg. 3, Forensic Med. 1, Med. Chem. 1, Non-Med. Chem. 2.

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 the 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 on July 22, 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 on January 6, 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.

There are 8 Intermediate Colleges for Men at Bangalore, Shimoga, Hassan, Davangere, Chitaldrug, Chikmagalur, Kolar and Mandya and a Medical School at Bangalore. There are two First Grade Colleges, one at Mysore and another at Tumkur, and one Commerce College at Bangalore. There are 12 affiliated institutions—10 at Bangalore and 2 at Mysore. A separate Teachers' College has been established in Mysore.

LIBRARIES. Univ., 53,488 vols.; Oriental, 18,568 vols. and 11,039 MSS.; Colleges, each Constituent and Intermediate Coll. has its own Library.

FACULTIES. Arts, Science, Medicine, Engineering and Technology, and Law.

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 Univ. or of any other Indian Univ., subject in the latter case to the approval of the Univ. Council where specific recognition has not been agreed. Admission to the B.T. course is granted to those who have taken the Bachelor's Degree in Arts, Commerce or Science 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 Science 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 Science who have passed with Physics, Chem. and Maths. as optional subjects, or graduates with Honours having Maths. and Physics as optional subjects. Admission to the M.B., B.S. course is given 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: Physics, 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. in 3½ 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. 2 yrs.—B.A. or B.Sc.; 3 yrs.—B.A. or B.Sc. (Hons.); 4 yrs.—B.E. (successful candidates are eligible to take the degree after a year's practical course in a recognized works or firm); 5½ yrs.—M.B., B.S.; graduate course for Master's Degree—1 yr. for Hons. grads. for B.T. 1 yr. after the B.A. or B.Sc. B.Com.—4 yrs. after S.S.L.C. Examn., 2 yrs. after Interm. Examn. B.Sc. Agriculture—3 yrs. after Interm. Examn. B.Sc. Textiles—3 yrs. after Interm. Examn. D.Litt., D.Sc.

DIPLOMA COURSE. L.M.P., 4 yrs. after High School.

INSPECTION OF INTERMED COLLS. not forming parts of Constituent Colls. is made by Profs. deputed by the Council.

ENDOWMENTS. The Univ. has received a large number of endowments, ranging from Rs. 300 to Rs. 1,00,000. The total amount at present is approx. Rs. 8,39,150.

FELLOWSHIPS. Awarded to persons who have given evidence of capacity to do research work; junior members of the Staff of the Univ. are also eligible for selection. The total number of Fellowships shall not ordinarily exceed six at any time; value, Rs. 100, which may be increased to an amount not exceeding Rs. 150 if found necessary in the case of junior members of the Staff.

RESIDENCE. Univ. Hostels at Mysore and Bangalore. The average hostel exs. for 9 mos. are about Rs. 144. Residences of students not living in hostels or with their guardians are inspected by members of Students' Residence Committees.

A STUDENTS' INFORMATION BUREAU is maintained.

PUBLICATION 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 *Extension*

Lectures Handbook series, for sale at cheap rates. These publications are in great demand.

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.

WOMEN'S EDUCATION. Mysore women students in the Arts and Science Colleges are now charged half the rate of fees for tuition. Mysore women students in the Medical College and the Medical School are exempt from payment of tuition fees.

THE YEAR 1948–49

EXTRA-MURAL WORK. Extension lectures delivered at different parts of the State.

STUDENTS. Full-time : 9957.

DEGREES. B.A. (Pass), 138 ; B.A. (Hons.), 67 ; M.A., 25 ; B.Sc. (Pass), 278 ; B.Sc. (Hons.), 68 ; M.Sc., 47 ; B.T., 82 ; D.Litt., 1 ; B.Com., 73 ; B.E., 202 ; M.B., B.S., 19 ; B.Sc. (Textiles), 37 ; B.Sc. (Agri.), 29.

NAGPUR UNIVERSITY

Founded 1923

Address—Nagpur, Madhya Pradesh.

CHANCELLOR—H.E. THE GOVERNOR OF THE CENTRAL PROVINCES AND BERAR.

VICE-CHANCELLOR—Pandit KUNJILAL DUBE, B.A., LL.B.

TREASURER—S. K. WANKHEDE, B.A.

REGISTRAR—U. MISRA, M.A., LL.B.

ASSISTANT REGISTRAR—K. R. PANDYA, M.A. Alld.

ADDITIONAL ASSISTANT REGISTRAR—V. SHANKARAN, M.A.

LIBRARIAN—G. S. SHUKLA, M.A., LL B.

OFFICER-IN-CHARGE OF PHYSICAL EDUCATION—M. P. MAJOR.

SUPERINTENDENT, UNIVERSITY HOSTEL—S. K. MISHRA, M.Sc. (Agr.) (Officiating).

UNIVERSITY COLLEGES

LAW COLLEGE, NAGPUR. Principal—Y. S. Tambe, B.A., LL.B. Lectrs.—V. T. Kedar, B.A., LL.B.; W. W. Bhole, B.A., LL.B.; R. S. Mishra, B.A., LL.B.; D. L. Jayavant, B.A., LL.B. S. P. Kotwal, B A., LL.B; P. Lobo, B.A., LL.B.

UNIVERSITY TRAINING COLLEGE. Principal—M. Verma, M.A., M.Ed. Lectrs.—S. N. Tamhane, M.A., B.T.; R. V. Dakshindas, B.Sc., B.T., LL.B.; Mrs. Y. Joshi, M.A., B.T.; M. G. Karkare, M.A , B.T.; P. N. Agnihotri, M.A , L.T.; Miss A. Kashyap, M.A., B.T.; R. S. Mulay, M.A., B.T.; G. A. Puranik, B.A.; V. G. Bhave, M.A., B.T. Phys. Training Instr.—G. N. Patil.

LAXMINARAYAN INSTITUTE OF TECHNOLOGY. Director—H. G. Kayser. Reader—P. S. Mene, B.Sc., Ph.D. Lond., D.I.C. Lectrs.—S. N. Behere, M.Sc., B.T.; M. S. Telang, M.Sc. Bom.; V. V. Sardesai, B.E. (Mech. and Elect.) Bom.; S. C. Seth, M.A.; Ch. Venkatanarayan Rao, B.Sc., M.Sc. (Tech.); G. Narsimhan, B.Sc. (Tech.); M. P. Joshi, B.Sc. (Tech.); K. S. Natarajan, M.Sc. (Tech.); U. Waradpande, B.Sc. (Tech.).

OTHER COLLEGES ADMITTED TO THE PRIVILEGES OF THE UNIVERSITY

NAGPUR MAHAVIDYALAYA, NAGPUR (NM).*

HISLOP COLLEGE, NAGPUR (H).

COLLEGE OF SCIENCE, NAGPUR (Sc).

VIDARBHA MAHAVIDYALAYA, AMRAOTI (VM).

COLLEGE OF AGRICULTURE, NAGPUR (A).

S.B. CITY COLLEGE, NAGPUR (C).

* (NM), (H), etc.: symbols for reference to the Colleges.

CENTRAL COLLEGE FOR WOMEN, NAGPUR (W).
NATIONAL COLLEGE, NAGPUR (N).
GOVERNMENT ENGINEERING SCHOOL, NAGPUR (E).
SITABAI ARTS COLLEGE, AKOLA (SA).
G.S. COLLEGE OF ECONOMICS AND COMMERCE, NAGPUR (CN).
G.S. COLLEGE OF COMMERCE, WARDHA (CW).
RAJASTHAN ARYAN COLLEGE, BASIM (R).
SHREE SHIVAJI COLLEGE, AMRAOTI (Sh).
G.S. COLLEGE OF SCIENCE, KHAMGAON (GSc).
GOVERNMENT DIPLOMA TRAINING INSTITUTE FOR MEN, AMRAOTI (TM).
GOVERNMENT DIPLOMA TRAINING INSTITUTE FOR WOMEN, AMRAOTI (TW).

TEACHING STAFF

Agriculture

Mishra, S. K., M.Sc.(Agr.) (A).
Lal, Dhanna, M.Sc.(Agr.) (A).
Joglekar, N. M., M.A. Econ. (A).
Patil, S. T., M.Sc.(Agr.) (A).
Sinnarkar, N P., B.Sc (Agr) (A).
Dakshindas, D. G , B Sc.(Agr) (A)
Rasal, V. B , B Sc.(Agr.) (A).
Iyer, K. S. S., B.E. Mys. (A).
Dighe, S. K. (A).
Walkade, S. N., B.Ag. (A).
Sahasrabudhe, K. R., M.Sc. (A).
Kathale, C. N., M.Sc.(Agr.) (A).
Kharche, S T., B.Sc (Agr) (GSc).
Deshmukh, V. G., B.Sc.(Agr.) (GSc).
Rahudkar, W. B , B Sc.(Agr.) (GSc).

Agricultural Chemistry

Mishra, R. N., M.Sc. Alld. (A).
Bapat, M. V., M.Sc. (A).
Ballal, D. K., M.Sc. (A).
Padole, G. C., M.Sc. (A).
Tare, V. E., M.Sc. (GSc).

Arabic and Persian

Siddique, H. R., M.A. (VM).
Abidi, S. A. H. H., M.A., L.T. Alig. (NM).
Rafiuddin, S., M.A., B.Th. Alig. (NM).
Naimuddin, S., M.A. (VM).
Qayamuddin, Q. M , M A. (C).

Biochemistry

Nath, M. C., D.Sc. Prof.
Chakravarti, C. H. Lectr.

Botany and Plant Pathology

Vaidya, S. B., B.Ag. (A).
Pimplikar, E. D., B.Ag. (A).
Tatwavadi, G. R., M.Sc.(Agr.) (A).
Gupta, R. L., Ph.D., B.Ag. (A).
Bhatt, R. S., M.Sc., Ph.D. (A).
Asthana, R. P., M.Sc.(Agr.) Alld., Ph.D., D.I.C. (A).
Narkey, R. A., M.Sc. (A).
Rawat, R. R., M.Sc. (A).
Dalal, S. B., M.Sc. (VM).
Varadpande, K. V., M.Sc. (VM).
Tamhane, S. N., M.Sc. (VM).
Nirula, R. L., B.Sc., Ph.D. Lond., D.I.C. (Sc).
Chitaley, Mrs. S. D., M.Sc. (Sc).
Mirashi, M. V., M.Sc. (Sc).
Dnyansagar, V. R., M.Sc. (Sc).
Trivedi, Mrs. T. K., M.Sc. (Sc).
Munshi, K. M., M.Sc. (GSc).
Kirpekar, C. S., M.Sc. (GSc).
Hazarnavis, Mrs. L. S., M.Sc. (Sc).
Verma, J. K., M.Sc. (Sc).
Theophilus, S. C., M.Sc. (H).
Mookerji, P., M.Sc. (H).

Chemistry

Krishnamurty, K., D.Sc. Lond. (Sc).
Paranjpe, D. R., M.Sc. (Sc).
Chakravarti, D. N., D.Sc. Alld. (Sc).
Kappanna, A. N., D.Sc. Dacca (Sc).
Sakhare, V. S., Ph.D. Madr., M.Sc. (Sc).
Karbelkar, N. V., M.Sc. (Sc).
Asolkar, G. V., M.Sc. (Sc).
Joshi, K. M., B.Sc. (Sc).
Gokhale, M. S., M.Sc. (Sc).
Deogan, A. S., M.Sc. (Sc).
Arya, I. D., M.Sc. (Sc).
Kale, V. D., B.Sc. Alld. (H).
Karmalkar, B. S., M.Sc. (H).
Joshi, V. W , M.Sc. (H).
Sinhal, M. S., M.Sc. (H).
Gokhale, L. K., M.Sc. (VM).
Patwardhan, H. W., M.Sc. (VM).
Jain, K. C., M.Sc. (VM).
Talaty, E. R., M.Sc. (Sc).
Soman, S. V., M.Sc. (Sc).
Raghuvanshi, B. D., M.Sc. (Sc).
Mahalaha, H. L., M.Sc. (Sc).
Kate, S. R., M.Sc. (Sc).
Parnandiwar, M. D., M.Sc. (VM).
Dahake, T. L., M.Sc. (VM).
Khandekar, P. S., M.Sc. (VM).
Paradkar, M. K., M.Sc. (VM).
Nigam, K. C., M.Sc. (VM).
Namjoshi, S. Y., M.Sc. (GSc).
Balchandran, S., M.Sc. (GSc).
Vyawahare, V. Y., M.Sc. (GSc).
Tare, V. E., M.Sc. (GSc).
Naik, M. V., B.Sc. (GSc).

Commerce

Agarwal, S. N., M.A. Alld., M.A. (Econ.) Calc., F.R.E.S. (CW).
Patwardhan, P. J., B.Com. Bom. (CW).
Shah, M. M., M.A., Ph.D. Bom. (CW).
Agarwal, S., M.A., B.Com. (CW).
Bang, T. K., M.A., LL.B. (CW).
Bokre, M. G., M.Com. (CW).
Hatekar, D. J., M.A. (CW).
Gupta, G., M.Com. (CW).
Vora, R. D., M.Com. (CW).
Acharya, P. B., M.A. Ban. (CW).
Kale, S. S., M.Com. (CW).
Tokhi, M. R., M.A. Econ., B. Com., LL.B. Luck. (CN).
Chorghade, V. K., M.A. Agra, B.T. (CN).
Moghe, S. G., B.A., B.Com. (CN).
Jain, V S., M Com. (CN)
Rotkar, D. K., M.A. (CN).
Kasture, G. K., M.Com. (CN).
Kulkarni, D. S., M.Com. (CN).
Chandurkar, V. U., M.A., B Com. (CW).
Deshmukh, N. C , M Com. (Sh).
Khanolkar, A L., M Com. (Sh)
Langewar, M. M., M.Com. (Sh).
Joshi, R. M., M.A., LL.B. (Sh).
Kale, W. S., M.Com. (Sh)
Khare, H. K., M.Com. (Sh).

Economics

Singh, V. D., M.A (H).
Chandurkar, M N , M.A (H)
Gimi, J. F., M.A. (H).
Iyangar, Miss S., B.A., L T. Madr., M A. Madr. and Alld. (W).
Kumar, Miss K., M.A. (W).
Moghe, S. G., B.A., B.Com. (CN).
Chorghade, V. K., M.A., M.A. (Econ.), B.T. (CN).
Page, R. K., M.A., LL.B. (SA).
Shah, M. M., M.A. (Econ.), Ph.D. Bom. (CW).
Lothe, A. N., M.A. (VM).
Pimparkar, G. P., M.A. (VM).
Jagirdar, P. J., M.A. (Sh).
Kharche, R. N., M.A. (Sh).
Doss, K. V., M.A. (Sh).
Deshpande, S. A., M.A. (N).
Banker, D. K., M.A. (NM).
Bal, S. D., M.A., LL.B. (NM).
Munje, B. H., M.A. (C).
Sirsikar, V. M., M.A. (C).
Dabadghao, D. B., M.A. (R).
Verma, K. C., M.A. (NM).
Joshi, Miss S. S., M.A. (NM).
Chaube, K. P., M.A. (NM).

Education

Raje, Miss S., M.A., B.T. (TW).
Sumitra, Miss K., B.Sc., L.T. (TW).
Deosthale, Mrs. L., B.A. (TW).
Chaudhari, V. R. (TW).
Walunjkar, Mrs. G. (TW).
Warhekar, N. S. (TW).
Deshmukh, Mrs. I., M.A., B.T. (TW)
Hirurkar, Miss S , M A , B.T (TW).
Dhaneshwar, Miss S , B.A. (TW).
Deshmukh, Miss L., M.A., B T. (TW).
Pable, Miss S., B.A., B.T. (TW).
Rao, Mrs. L. (TW).
Nene, H N., M A , L.T. (TM).
Nijsure, P. G., M.A., B.T., T D. (TM).
Babhulgaonkar, R. D , B.Sc., B.T. (TM).
Ahmed, S., M.A. (TM).
Peshkar, K. V., M.A., B.T. (TM).
Muley, J. K., T.T.C. (TM).
Pendharkar, P. N., B.A. (TM).
Wadegaonkar, T. G., M.A , B.T. (TM).
Veni, V. M., B.Sc., B.T. (TM).
Sarode, T. M. (TM).
Gurjar, G. V., M.Sc. (TM).
Oak, D M., M.A. (TM).

Engineering

Chatterjee, C. (E).
Dey, K. C. (E).
Pralhad, S., B.Sc., B.E. (Civ.) Mys. (E).
Bhattacharya, R. L. (E).
Dehadrai, V. B. (E).
Andhare, S. N. (E).
Buldeo, R. G., B.Sc. (Eng.) (E).
Joshi, M. G., B.Sc. (Eng.) Ban. (E).
Rao, P. M., B.S. (Eng.) Ban. (E).
Ghosh, A., B.Sc. (Eng.) Ban., B.Sc. (E).
Joshi Rao, G. K., B.A., B.T. (E).
Khare, D. C., B.Sc., B.Sc. (Tech.) (E).
Kulkarni, H. S., B.Sc., B.Sc. (Tech.) (E).
Deshpande, G. K. (E).
Deshpande, A. D., B.Sc. (Tech.) (E).
Moharir, S. K., B.Sc. (E).
Nipane, G. P. (E).
Waze, B. D. (E).
Shriramulu, Y., B.Sc. (E).
Khadpekar, S. V., G.D. Bom. (E).
Dwarakanath, V. R., B.Sc., B.E. (E).
Chakravarti, N. C., B.Sc., B.E. (E).
Shukla, T. N., M.Sc., B.T. (E).
Tamaskar, D. G., B.Sc. (Eng) (E).

English

Vaidya, K. M., M.A. (Sc).
Pandit, V. N., M.A. (Sc).
Purohit, K. J., M.A. (Sc).
Isaacs, D. G., M.A. Madr. and Nag. (H).
Jagannathan, P. N., B.A. (H).
Dutt, Miss M., M.A. Calc. (Sc).
Joseph, W. N., M.A. (H).
Ward, Miss M. C. L., B A., T.D. (H).
Zal, R. T., M.A. (H).
Saldanha, Miss M. A., M.A. Madr. (W).
Madura, Sheila, B.A., B.T. (W).
Soman, R. V., M.A. Bom. (SA).
Shrinivasan, M. R., M.A Madr. (SA).
Sen Gupta, A. K., M.A. (CN).
Acharya, P. B., M.A. Ban. (CW).
Guha, R. C., M.A. Dacca (NM).
Shrivastava, P. N., M.A., LL.B. (VM).
Pande, R. P., M.A. Alig. (VM).
Shukla, R. R., M.A. (Sh).
Raman, K. N., M.A. (Sh).
Sen, Miss S., M.A. (N).
Mitra, M. N., M.A. Dacca (NM).
Eashwaran, E., M.A. (VM).
Kate, L. M., M.A. (VM).
Shende, D. K., M.A. (VM).
Deshpande, Mrs. K., B.A. Lond. (NM).

Thanekar, P. N., M.A., LL.B. (NM).
Ghoshal, N. N., M.A. (NM).
Hookens, W. E., M A. (NM).
Guha, D. K., M.A (NM).
Kumar, Miss P., M.A. (NM).
Virdi, D. S., M.A. (C).
Wanmali, V. R., M.A. Bom. (Sc).
Garde, D. K., M.A. Alig. and Nag. (C).
Roy, R. N., M.A. (C).
Das Gupta, H. K., M.A. (C).
Sen, Miss Adarini, M.A. (C).
Limaye, S. K., M.A. (NM).
Murthy, G. S , M A. (GSc).
Mane, E. G., M.A. (NM).
Dave, Miss K., M.A. (W).
Parulkar, K. K., M A. (Sc).
Shivraman, Miss V. P., M.A. (Sc).
Vaidya, M. S., M.A (R).
Maolankar, R. B., M.A., LL.B. (VM)
Dabir, W. M., M A. (VM).
Khera, T. R., M.A. (VM).

Geography

Mukerji, S , M A. (NM).
Tamaskar, B. G., M.A. (NM).
Bidwai, B. K., M.A. (VM).

Geology

Sripada Rao, K., M.Sc., F.G.S. Reader.
Pande, P. C., M.Sc. Lectr.
Shirodkar, S. N., M.Sc.

Hindi

Shrivastava, V. P., M.A. (H).
Shrivastava, P. C., M.A. (CN).
Tiwari, S. P., LL.B. Agra, M.A. (NM).
Mishra, Miss R. D., M.A. (NM).
Sinha, B., M.A., LL.B. (Sh).
Gupta, G. N., M.A. (C).
Potdar, Miss T., M.A. (W).

History, v. also Pol. Sc.

Dass, A., M.A. (H).
Subba Rao, V., B.A. Madr. (Sh).
Sinha, R. M., M.A., LL.B. (NM).
Sinha, H. N., M.A. Alld., Ph.D. Lond. (NM).
Buradkar, M. P., M.A. (NM).
Budholia, K. K., M.A. (NM).
Lal, K. S , M.A. Alld., D Phil. (NM).
Pahade, J. S., M.A., B.T. (C).
Telang, P. S., M.A. (VM).

Home Science

Karunakaran, Miss V., B.Sc (W).

Law

Saranjame, R. B. R. D., B.A., LL.B. (Sh).
Shidore, R. B. D. V., M.A., LL.B. (Sh).
Bobde, G. C , B.A , LL.B. (Sh).
Chaubal, V. B., B.A., LL B. (Sh).
Agrawal, N. S., B.A., LL B. (Sh).
Sharfuddin, M , B.A., LL.B. (Sh).
Randive, R. B S D , B.A , LL B. (Sh)
Deshpande, G. T., M A., LL.B. (Sh).
Sinha, D. R., B.A., LL.B. (Sh).
Sagne, R. S., M.D., M.A., LL.B. (Sh).

Marathi

Pendse, G. D., M.A., M.O.L. Panj., Ph.D. (H).
Deshpande, A. N., M.A. (H).
Marathe, Mrs. K., M.A. (W).
Kelkar, N. R., M.A. Bom., B.T. (SA).
Deshmukh, M. G , M.A., Ph.D., LL.B. (VM).
Natu, Miss M. G., M.A. (VM).
Vyawahare, M. L., M.A. (Sh).
Pathak, Y. M., M.A., LL.B. (N).
Kolte, V. B., M.A., LL.B. (NM).
Pandit, B. S., M.A. (NM).
Mohogaonkar, V. P., M.A., LL.B. (NM).
Pandharipande, S. L., M.A. (C).
Sawalapurkar, P. K., B.A. Bom. (C).
Kulkarni, S. M., M.A. (C).
Moharil, B. P., M.A., LL.B. (NM).
Lohi, M. N., M.A. (R).

Mathematics

Patel, K. P., M.A. Bom. and Lond. (VM).
Raghavachari, V., M.A. Madr. (Sc).
Shrivastava, A. P., M.Sc. (Sc).
Thosar, Y. V., M.Sc. (Sc).
Chandy, P. J., M.A. Madr. (H).
Kane, P. W., M Sc. (H).
Paradkar, Miss K. K., B.A. (Sc).
Date, Miss A. S., B A (Sc).
Patwardhan, G. K , M Sc. (Sc).
Karmarkar, K R , M.Sc , Ph D (Sc).
Mutatkar, V. L., M.A., B.Sc. (C).
Veerbhadra Rao, M., B.A., B.Ed. And., M.A., LL.B. Ban. (R).
Kshirsagar, N. S., B Sc (VM).
Deshpande, V. T., M.Sc. (VM).
Paradkar, B. K., M.Sc. (VM).
Dube, B. P., M.Sc. (VM).
Rajagopalan, A , M Sc (VM)
Pandit, P. B., M Sc. (VM).
Mahajan, V. T., M.Sc , LL.B (GSc).
Modak, A. S , M Sc. (GSc).
Misra, S. D., B Sc (Sc).

Music

Khardenavis, P. N. (SA).

Persian, v. Arabic

Philosophy, v. also Engl.

Moses, D. G., M.A. Madr. and Col. (H).
Abraham, K. J., M.A. (H).
Sathe, A. B., M.A., B.T. (VM).
Gautam, Miss P., M.A. (W).
Shridevi, Miss S., M.A. (W).
Murkute, R. B., M.A., LL.B. (SA).
Deshmukh, C. D., M.A., Ph.D. Lond. (VM).
Prasad, Jwala, M.A. Alld., Ph.D. Camb. (Sh).
Karekar, P. N., M.A. (Sh).
Londhey, D. G., M.A. Bom., Ph.D. Leipzig (N).
Ramanathan, P. S., M.A. Madr. (NM).
Jakatey, D. S., M.A. (NM).
Deshpande, B. R., M.A., LL.B. (C).
Saungikar, B. K., M.A. (C).
Phatak, S. N., M.A., LL.B. (NM).

Physics

Thatte, V. N., D.Sc. (Sc).
Shahane, S. M., M.Sc. (Sc).
Sen, B. R., M.Sc., Ph.D. Lond., D.I.C. (Sc).
Shrivastava, V. K., M.Sc. (Sc).
Pande, S. S., M.Sc. (VM).
Ayachit, V. G., M.Sc. (Sc).
Bapat, R. N., M.Sc. (Sc).
Sethi, P. C., M.Sc. (Sc).
Sharma, R. P., M.Sc. (Sc).
Nandanpawar, L. S., M.Sc. (Sc).
Khandekar, P. V., M.Sc. (Sc).
Kelkar, M. G., M.Sc (Sc).
Bhide, M. R., M.Sc. (Sc).
Nafde, R. L., M.Sc. (Sc).
Khare, P. L , M.Sc. (GSc).
Barnabas, J., M.Sc. (H).
Verghis, G , M.Sc. (H).
Masih, W. W. K., M.Sc. (H).
Raj, S., B.Sc. Madr. (H).
Chinchalkar, S W., D.Sc. (VM).
Murty, T. S., M.Sc. (Sc).
Dutt, V , M.Sc. (Sc).
Thosar, B. V., M.Sc. (Sc).
Padhye, M. R., M.Sc., Ph.D. Ban. (Sc).
Bhide, V. G., M.Sc. (Sc).
Dabadghao, V. M., M.Sc. (VM).
Kher, V. G., M.Sc. (VM).
Khamgaonkar, D. A., M.Sc. (VM).
Apte, G. G., M.Sc. (VM).
Godbole, D. M., M.Sc. (VM).
Chakradeo, A. C., M.Sc. (VM).

Political Science

Puntambekar, S. V., M.A. Oxon. Prof.
Kulkarni, G. M., M.A. (H).
Joglekar, K. S., M.A. (SA).
Subba Rao, V., B.A. Madr., M.A. (Sh).
Sumbha, G. M., M.A., LL.B. (N).
Sinha, H. N., M.A. Alld., Ph.D. Lond. (NM).

Buradkar, M. P., M.A. (NM).
Sinha, R. M., M.A., LL.B. (NM).
Garde, D. K., M.A. Alld. and Nag. (C).
Sen, A., M.A., B.L. Calc. (C).
Kashikar, S. G., M.A. (R).
Bhuskute, Miss S., M.A. (W).
Surey, Miss S., M.A. (W).
Shukla, R. P., M A. (Sh).

Sanskrit, Pali and Prakrit

Kelkar, Mrs. I., M.A. (W).
Joshi, G. D., M A., LL.B. (SA).
Chaturvedi, S. P., M.A. Alld. (NM)
Modi, P. K., M A., LL B. (NM).
Deshpande, G. T., M.A. (Sh).
Jodh, P. R., M.A. (N).
Mirashi, V. V., M.A. Bom. (VM)
Jain, H. L., M.A., LL.B. Alld., D.Litt. (NM).
Somalwar, S. G., M.A. Alld. (NM).
Varadpande, D. V., M.A. (C).
Jawadiwar, N. B., M.A. (VM).
Karambelkar, V. W., M.A. (NM).

Urdu

Khan, M. A., M.A. (NM).
Rafiuddin, S., M.A (NM).
Ahmad, Taiyab, M.A. (NM).
Sharma, A. C., M.A. (NM).
Qayamuddin, Q., M.A. (C).
Naimuddin, S., M.A. (VM).

Zoology

Moghe, M. A., M Sc. Alld. and Bom , Ph.D. Lond (Sc).
Owers, N., M.Sc. (Sc).
Thakur, S. B., M.Sc. (Sc).
Subramoniam, Miss S , M.Sc. (Sc)
Deshpande, K. S., M.Sc. (Sc).
Gopal Krishna, A., B.Sc. Mys. (Sc).
Vadya, G. W., M.Sc. (Sc).
Murthy, K. V. R., M Sc. (VM).
Ramaswamy, K. R., M.Sc. (GSc).
Das, E. N., M.Sc. (VM).
Motghare, D. S , M.Sc. (VM).

GENERAL INFORMATION

The University was established in 1923. The first three colleges in the list on pages 1014-1015 were formerly affiliated to the Univ. of Allahabad. The authorities of the Univ. are the Court, Executive Council, Academic Council and Faculties. The Univ. does not hold a Matriculation Examn., but admits students who have passed (*a*) the Final Examn. of the Central Provinces Board of High School Education, or an examn. recognized (with the sanction of the Provincial Government) as equivalent thereto, or (*b*) the Matricn. Examn. of an Indian Univ.

FACULTIES. Arts, Science, Law, Education, Agriculture and Medicine.

LAXMINARAYAN INSTITUTE OF TECHNOLOGY. The buildings of the Inst. were completed in the year 1942 and the Inst. began functioning in August 1942. It provides a 2 yrs.' course for B.Sc. (Tech.) in *Chem. Engin.* and in *Oil Technol.* H. G. Kayser is Director of the Institute. For further development, construction of new buildings consisting of Pilot Plant building, a boiler-house, chemical stores, laboratory blocks, a workshop and a students' Hostel costing more than 7 lacs rupees, and purchase of engine, chem. and physical equipment costing more than 5 lacs rupees, have been undertaken. The total value of the bequest now stands at Rs. 64,95,000.

ADMISSION to the Univ. is confined to students who have passed the High School Certificate Examn. held under the C.P. High School Education Act of 1922 (also as applied to Berar), or any other recognized equivalent examn.

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 for original contribution to learning. *Science*—B.Sc., 2 yrs. after Inter. examn.; B.Sc. (Tech.), 2 yrs. after B.Sc.; B.Sc. Hons., 3 yrs.; M.Sc., 2 yrs.' study after B.Sc.; M.Sc. (Tech.), open to B.Sc. (Tech.) 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 science. *Law*—LL.B., 2 yrs. after approved Bachelor's degree; LL.M., 3 yrs.' course for approved graduates in Law; LL.D., open to approved Masters of Law of 3 yrs.' standing, by thesis. *Education*—B.T., 1 yr.'s postgraduate study; M.Ed., open to Bachelors of Teaching (and certain other persons recommended by the Senate), by examn. and thesis. *Agriculture*—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 science. The higher degrees are in every case open to approved graduates of other Univs.

DIPLOMAS. Teaching (2 yrs.), Engineering (3 yrs.), Co-operation (1 yr. postgraduate).

Examinations in Oriental Learning were instituted in 1938.

THE STUDENTS' INFORMATION BUREAU. The Bureau advises and helps students who go abroad for advanced studies.

UNIVERSITY LIBRARY. The library contains 47,000 vols.

PUBLICATIONS. *Calendar*; *Annual Report*; *Examn. Papers*; *Prospectus*, etc. A Journal of research work done by the teachers of the University is published annually.

THE YEAR 1948–49

BENEFACTIONS. The Univ. Training Coll. Assoc., Nagpur, Rs. 3000, for award of the W.R. Puranik medal to the examinee securing the highest number of marks at the B.T. Examn.; The Indian Pharmacists' Assoc. of Bombay, a recurring donation of Rs. 900 p.m. for 5 yrs. to institute a chair in Ayurvedic Res.; L. R. Mote of Amraoti, Rs. 5000, for creation of an Endowment Fund for award of a Scholp. to be called "The Second Ramkrishna Govind Mote Scholarship" to the student standing first at the Intermediate Examn. in Science from a Coll. in Berar.

NEW DEPARTMENTS AND POSTS. In Sept. 1949 the Univ. established the Dept. of Local Self Govt. which provides a 1 yr.'s Diploma Course in Local Self-Govt. The Course is open to graduates as well as matriculates and intermediates who have served for a prescribed period in the local bodies of the Province. Hd. of Dept.: M. P. Sharma, M.A., D.Litt. Pt.-time lectrs.: Y. K. Subrahmaniyam, M.B., B.S., D.P.H.; Vithal Singh, B.Sc. (Eng.); B. K. Bhedesgaonkar, B.E.; P. N. Misra, B.Com., LL.B.

HONORARY DEGREES. At a special Convocation of the Univ. on Nov. 3, 1948—*LL.D.*: Hon. Sardar Vallabhbhai Patel, Deputy Prime Minister, Govt. of India.

STUDENTS. Total: 7788, including 962 women and 613 postgraduates.

DEGREES. B.A., 268; B.A. (Hons.), 7; M.A., 45; LL.B., 58; B.Sc., 50; B.Sc. (Hons.), 4; M.Sc., 12; B.T., 33; B.Sc. (Agr.), 24; B.Sc. (Tech.), 13; B.Com., 36.

OSMANIA UNIVERSITY

Founded 1919

Address—Hyderabad, Deccan.
Telegrams—University, Hyderabad, Deccan.

PATRON—HIS EXALTED HIGHNESS THE NIZAM, G.C.S.I., G.B.E.
CHANCELLOR—H.E. M. K. VELLODI.
VICE-CHANCELLOR—NAWAB ALI YAVAR JUNG, B.A. Oxon.
REGISTRAR—S. P. SAHGAL, M.B., B.S. Bom.

TEACHING STAFF

THE UNIVERSITY (ARTS, SCIENCE, THEOLOGY, LAW AND EDUCATION)

Botany

Sayeeduddin, M., B.Sc. Bom., M.A. Edin. Prof.
Saksena, M. R., M.Sc. (on deputation).
Nasrullah, K., M.Sc.
Faruqi, M. A. J , M Sc.
Khan, F. N., M.Sc.
Alam, S. S., M.Sc.
Singh, R., M.Sc.,
Siddiqi, M. R. A., M.Sc.
Salam, A., PhD. Belf., M.Sc.

Chemistry

Husain, S., M.Sc. Alig., Ph.D. Lond. Dean of Sci., and Prof.
Taher, N. A., Ph.D. Lond., M.Sc.
Rahman, K., M.Sc.
Rao, E. S. R., M.Sc. Dacca.
Mohamad, S., M Sc. (on deputation).
Sharfuddin, M.Sc. Alig.
Rao, N., M.Sc.
Mahendra, B. P., B.A.
Yusufuddin, S., M.Sc.
Rahman, A., M.Sc.
Rao, D. H., M.Sc.
Ananthan, B. N., M.Sc.

Chemistry, Applied

Zaheer, S. H., M.A. Oxon., Ph.D. Heidel. Prof.
Kulkarni, B. S., M Sc. Nag , Ph.D. Bom.
Ali, A., M.Sc. Illinois.
Zaidi, S H. R., M.Sc. (on deputation).
Nizamuddin, H , M Sc (on deputation)
Qaiyum, M. A., M.Sc.
Vaidya, L. S. R., M.Sc.

Commerce

Khan, I. H., B.Com. Lond.

Economics

Qadir, M. A., M.A. Madr , B.Sc. Lond. Prof.
Husain, A., M.A., LL.B. Luck., L.T. Alld.
Hasan, F., M.A.
Ali, M. N., M.A.
Gilani, M. A., M.A.

Education

Khan, M. A. A., M.A. Delhi, Dip.Ed., M.Ed. Leeds Prof.
Ali, M. S., B.A. Panj., B.T. Calc.
Ahmed, G., M.A., LL.B. Alig., B.Ed., Dip.Ed. Glas.
Abedin, M. Z., M.A., B.T. Alig.
Khan, I. A., M.A. Alig., M.Ed.
Pershad, B., M.A., M.Ed.
Khan, M. Q., M.A., M.Ed.

Husain, S. F., B.A., Dip. in P.E.
Chari, K. V., M.Ed. Lond., B.A., M.Ed.
Samiullah, S.
Baig, Mirza A. Q.
Begum, Mrs Zohra, B A., Dip.Ed., M Ed. Leeds..
Begum, Miss, Manzoorunnisa, B.A. Nag., Dip Ed.

English

Doraiswami, M. S., M.A., L.T. Madr., B A Oxon
- Dean of Arts and Prof.
Acharya, K N., M.A. Mys.
Omar, Mohd. B., M.A.
Edwards, O., M.A.
Ratnam, R , M A. Madr.
Sekhran, K. R., M.A., M.Litt. Madr.
Jambunathan, S., M.A. Rangoon.
Rao, P., M.A
Rao, G., M.A.
Sirajuddin, M.A.

Geography

Ahmed, Syed, B.A., B.T. Alig., M.A. Edin.
Bhan, G. S., M.A. Alig., Dip.Ed.

Geology

Ahmeduddin, M., B.A., B.Sc. Manc., F.G.S., F.L.S.

History

Khan, Y. H., D.Litt. Paris Prof.
Siddiqi, A. M., M.A.
Muneeruddin, K., M.A.
Ahmed, S. S., M.A.
Ruknuddin, S., M.A.
Sajan Lal, Q. A., M.A.

Languages (Ancient and Modern)

Qutbuddin, Q., M.A. Cairo (Arabic) Prof.
Khan, A. M., M.A., Ph.D. Camb. (Arabic).
Nizamuddin, M., Ph.D. Camb. (Persian) Prof.
Faruqi, L. A., M.A., LL.B. (Persian).
Husaini, Quari K., Ph.D. Lond., M.A., LL.B. (Persian).
Sarwari, A. Q., M.A., LL.B. (Urdu).
Sharma, A., M.A. Alld., Ph.D. Munich (Sanskrit).
Rao, K., M.A. Calc. and Nag. (Sanskrit).
Mohammad, S., M.A. (Urdu).
Bhasuri, R. R., M.A. Calc. and Nag. (Marathi).
Nandapurker, N. R., M.A. Alig. and Nag. (Marathi).
Patwari, R. R., M.A. Mys. (Kannada).
Rao, D. K. Bhimsen, M.A. Mysore (Kannada).
Ranjanam, L., M.A. Madr. (Telugu).
Sastry, V. V. (Hindi).
Pande, R. N., M A , LL.B. (Hindi).

Law

Mirza, H. A. Prof.
Khan, W., B.Sc., LL.M.
Khan, I. A., B A., LL.M.

Mathematics

Venkata Chari, V. P., M.A., Ph.D. Lond , D.I.C. Prof.
Mohiuddin, K., M.A. Madr., B.T. Alig.
Ahsan, M., M.Sc. Alig.
Rao, R., M.A.
Razvi, S. A. H., M.A. (on deputation).
Bhimsen Rao, M.A.
Zahoorul Hasan, M.A.

Muslim Theology

Ahmed, Z., M.A., L.T., D.Litt. Egypt Prof.
Ahmed, S. F. Maulvi.
Jafar, A. R., M.A.
Husain, L., M.A.
Ali, Mohd. Maulvi.
Yousufuddin, Ph.D.

Philosophy and Morals

Valiuddin, M., Ph.D. Lond. Prof.
Vahiduddin, S., Ph.D. Marburg.
Salahuddin, M., M.A. Dacca.
Lal, S. M., M.A. Alig.

Physics

Bhagwantam, S., D.Sc. Prof.
Fazluddin, M.Sc.
Iyengar, S., M.Sc., Dip.Ed.
Rao, J., M.Sc.
Deshpande, V., M.Sc.
Puranik, P , M.Sc.
Hafeez, A., M.Sc.
Rao, A. V., M.Sc.
Satyanarayen, R., B.Sc. Lond. (on deputation).

Politics

Sherwani, H. K., M.A. Oxon. Prof.

Sociology

Hasan, J., Ph.D. Heid. Prof.
Dubey, S. C., M.A., Ph.D.
Siddiqi, M., M.A.

Zoology

Das, B. K., D.Sc. Lond. Prof.
Singh, S N., M.Sc. Alig., Ph.D Lond.
Qureshi, K. H., Ph.D. Lond., D.I C.
Khan, O , Ph D. Lond.
Mohsin, S M., M.Sc.
Qadri, S S , M.Sc (on deputation).
Jaiswal, G P., M.Sc.
Hakimuddin, M , M Sc.
Shareef, M. A., M Sc.
Saxena, K. R , M Sc
Ali, S. M , M Sc

Medical College

Dean of Medicine—Syed Abdur Rahman, M.D., D.T M. & H. Edin.

Nawaz, M. S., M.B., B.S. Panj. Prof.
Ansari, M. Y., Ph.D. Edin., M.B., B.S. Prof.
Husain, S. M., B.Sc. Alld., M.B., B.S. Luck.
Reddy, P. V. R.
Rao, K. R., M.B., B.S.
Abhyankar, R. N., M.B., B.S. Bom.
Mohiuddin, G., M.Sc. Alig.
Zaidi, M. M. A., M.B., B.S.
Khan, A. S., M.B., B.S.
Khan, F. K., M.B., B.S. Luck.
Nagarathnam, C. D.
Siddiqi, M. N. A., M.B., B.S. Luck.
Baig, M. S. A., M.B., B.S.
Rao, V. Y.
Qureshi, R. T., M.B., B.S.
Salam, A., M.B., B.S.
Khan, A. W., M.B., B S.
Reddy, P., M.B., B.S.
Husain, Y. A. M., M.B., B.S. Panj.
Ali, T , M.B , B.S.
Dastagir, G., M.B., B.S. Panj.
Khan, M. H., M.B., B.S.
Nagnath Rao, M. Seth, M.B., B.S.
Reporter, S., M.B., B.S.

Engineering College

Dean of Engin.—Prof. Ziauddin Ansari, B.Sc. Manc., M.A.

Ali, A., B.Sc. Madr. and Lond. (Mech. Eng.) Prof.
Athar, M., C.E. Madr., B.Sc. Durh. Prof.
Gadgil, V. M., B.Sc. Madr. and Lond.
Hafeezullah, Capt. M., B.Sc. Alig., B.Sc. (Eng.) Rang.
Rasheed, M. A., B.A., B.E.
Husain, S. T., B.E.
Fakhruddin, M., B.E.
Ismail, S., B.E.
Acharya, K. R., B.Sc. Ban.
Rao, P. S., B.E.
Rao, D. R. K.
Kahn, M. M., B.E. Madr.
Beedkar, S. R., B.E.
Seel, B. B.
Khan, M. O.
Qadri, S. H. A., B.E.
Shamsullah, B.Sc. And.
4 Pt.-time Lecturers.

Agricultural College

Dean of Agriculture—Hashim Ameer Ali Khan, B.Ag. Bom., Ph.D. Cornell.

Husain, B., M.A., B.Sc.Agric. Edin.
Razvi, H. A., B.Ag. Bom., Ph.D. Wales.
Suleman, M., B.Sc. (Agr.) McG.
Murthi, P. K., B.Sc. Madr., B.Ag. Bom.
Khan, M. A., L.Ag. Nag.
Rao, S., B.Sc. Ag. Madr.
Rao, R., M.Sc.
Rao, S. N., B.A. Alig., B.Sc. Bom.
Chari, N., M.Sc.
Moinuddin, G., M.Sc.
Husain, S. K., B.Sc.Ag. Nag.
Khan, S., B.Sc., B.Sc.Ag.
6 pt.-time Lecturers.

Veterinary College

Dean of Veterinary Science—Major M. Habeeb Khan.

Husain, M. A.
Rao, R.
Kanan, C. V., B.Sc. Madr.
Naziruddin, A. A.
Sadekar, V. D., B.Sc.
Pargaonker, V. N.
Husain, M. K.
Ahmad, T.

Nizam College

Principal—P. K. Ghosh, M.A. Camb., B.Sc. Calc., F.R.C.S.

Haq, S. F., M.A. Alig., B.A. Camb. Prof.
Rao, J. C. K., D.Sc. Calc. Prof.
Gideon, E., M.A. Madr., B.A. Camb. Prof.
Khan, A. S. M., B.Sc. Lond., B.A. Prof.
Raghvan, K. S., B.A., B.T. Madr.
Narsu, B. V. R., M.A. Madr., B.Ed. Andhra.
Siddiqi, A. A., B.A.
Krishnamurthi, R., M.A. Madr.
Ahmed, A., M.A., B.T. Alig.
Sebastian, J. J., M.A. Madr. and Nag.
Manickyam, T. W., M.A. Nag., L.T. Madr.
Fernandez, Miss B., M.A. Madr.
Rao, M. P., M.A. Madr.
Rajgopal, P. V., B.A., M.Ed.
Rao, R. V., M.A. Andhra, B.T. Mys., Ph.D. Nagpur.
Hasan, A. H.
Rasheed, G. D., M.A.
Khan, A. H., B.O.L. Madr.
Ram Rao, A. S., M.A. Madr.
Madhekar, R. B., M.A. Madr.
Sastri, S. V., M.A. Calc. and Alig., B.O.L. Madr.
Laxamikantiah, G., M.A. Madr.
Akram, M., M.A. Alig. and Edin., B.L. Madr.
Ghani, S. A., M.A. Alig.
Venkatraman, S., M.Sc. Madr.
Mathad, F. G., B.O.L. Madr. Vidwan.
Rao, N. R., B.Ed. Andhra, M.A., Ph.D. Madr.
Natrajan, S., B.A., M.Litt. Annam., M.Sc.
Jussawala, Mrs. S., M.A.
Siddiqi, N., M.A. Oxon.
Khundmiree, S. A., M.A.
Mathur, K. R., M.Sc.
Chari, R. V., M.A. Madr.
Thate, V. D., M.Sc.
Rao, S. K., B.Sc. Madr.
Raghunatham, S., M.Sc. Madr.
Vishvanatham, M., M.Sc. Alld.

Sastri, C. N., M.Sc.
Swamy, S., M.Sc.
Khan, M. S., M.Sc.
Khan, S., Dip. in Phys.Ed.
Lingam, T. A., M.A., L.T. Nag.
Murthi, B. N., M.Sc.
Rao, M., M.Sc., LL.B.
Rao, A. S., M A. Madr.
Raja, A. S. T., M.Sc. Alig. (on deputation).
Sundram, P. M., M.A.
Afzal Ahmed, M.A., Ph.D., M.Sc. Camb.
Rao, M., M.Sc.
Khan, D. A., M.A.
Andria, M., M.Com. Luck.
Prakash, V. G.

Women's College

Principal—Miss G. M. Linnell, B.A. Camb

Gibbs, Miss C., B A. Mys.
Begum, Miss Afsarunnisa, M.A.
Barucha, Miss S. P., M.A.
Razvi, Miss Habeeba, M.A
Begum, Qamrunnisa, M.A.
Yazdani, Miss Zubeda B., B.A. Oxon.
Muhajir, Miss Mumtaz B., M.A.
Begum, Miss Salamatunnisa, M.A.
Begum, Kaniz Fatima, M.A.
Chalam, Mrs. V., M.Sc.
Begum, Miss Rahmani, M.A.
Begum, Miss Jehan B., M.A.
Plowman, Miss E., M.Sc. Osm.
Shroff, Miss Shirin D., M A , B.T. Calc.
Begum, Miss Zeenatunnisa, M.A.
Begum, Miss Razia, M.A.
Fatima, Miss Bilqees, M.A. (on deputation).
Burn, Mrs. S. G , B.A Bom.
Begum, Qadri, M.Sc.
Begum, Shahanshah, M.A. Madr.
Chenoy, Miss F N., M A. Bom.
Devi, Miss K. M., B.Sc , Dip Ed.
Charles, Miss M.
Begum, Miss Umatul H , M.A.
Begum, Mehrunnisa, B A.
Rajurkar, Miss Indu, B.Sc. Madr.
Sultana, Rafia, M.A.
Sundaram, Mrs., M.Sc. Luck.
Reporter, Miss Rashida, Ph D. Lond.
Begum, Mumtaz Jehan, M.A.
Begum, Miss Mahboobunnisa, M.Sc.
Pothan, Miss E., B.A. Madr.
Osman, Miss Razia.

City Intermediate College

Principal—N. Ram Lal, M.Sc. Alig., Ph.D. Lond.
6 Readers, 30 Lectrs.

Mahboob College, Secunderabad

Principal—Syed Mehdi Ali, B.A. Madr., B.T. Alig., Ph.D. Göttingen.
1 Reader, 8 Lectrs.

Chaderghat Intermediate College

Principal—S. M. H. Naqvi, B.A., M.Ed. Leeds.
2 Readers, 18 Lectrs.

Darululoom Intermediate College

Principal—S. M. Qadri Zore, Ph.D. Lond., M.A.
14 Lectrs.

INTERMEDIATE COLLEGE, GULBARGA

Principal—S. H. BURNEY, M.Sc.

1 Reader, 18 Lectrs.

INTERMEDIATE COLLEGE, WARANGAL

Principal—A. V. GOPAL RAO, M.A.

18 Lectrs.

INTERMEDIATE COLLEGE, AURANGABAD

Principal—K. YUSUFUDDIN, M.A., LL.B. Alig., T.D. Leeds.

1 Reader, 16 Lectrs.

ADMINISTRATIVE OFFICERS

DEANS. *Science*, Syed Husain, M.Sc. Alig., Ph.D. Lond. *Arts*, M. S. Doraiswami, M.A., L.T. Madr., B.A. Oxon. *Agriculture*, Hashim Amir Ali, B.Ag. Bom, Ph.D. Cornell. *Veterinary Science*, Major M. Habeeb Khan. *Education*, Mir Ahmed Ali Khan, M.A. Delhi, M.Ed., Dip.Ed. Leeds. *Medicine*, S. A. Rahman, M.D., D.T.M and H. Edin. *Engineering*, Z. Ansari, B.Sc. Manc. *Law*, Hosain Ali Mirza.

UNIVERSITY OFFICE. Deputy Registrar, T. Mohiuddin. Asst. Registrars, N. V. K. Murthy, B.A. Mys.; Muti-ur-Rasool; Md. Ahmad Osmani, M.Sc. Alig. Accounts Officer, Zulfiqar Ali Khan, B.A. Librarian, Masood Yazdani.

GENERAL INFORMATION

The University was established in 1918. The University Charter was revised in 1947.

The Univ. comprises 10 faculties, namely, Arts, Science, Religion and Culture, Commerce, Medicine, Engineering, Agriculture, Vet. Sci., Education, Law. Besides the University College, there are two Degree Colleges including one Women's College, 7 Intermediate Colleges and one affiliated Intermediate College. Hindustani in both the Devanagari and Persian scripts is the medium of instruction in the Faculties of Arts and Science, and English in all the professional courses. In Arts and Science also English is recognized as one of the media, and in one Degree College and one Intermediate College the medium is entirely English.

Compulsory Theology and ethics have been abolished and these have been substituted by a Regional or Allied Classical Language and General Science for Arts Students and History of Civilization for Science students. The place of the Fac. of Theology has been taken by the 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 over-all governing body. The Vice-Chancellor is the chief administrative officer with wide powers. The other bodies of the Univ. are the Finance Committee, the Academic Council, the Senate, the Faculties and Boards of Studies.

The Budget for the yr. 1359 Fasli (Oct. 1949 to Sept. 1950) is 67 lakhs recurring and 5 lakhs non-recurring.

LIBRARY. 77,744 vols., 30,012 English, 15,557 Oriental Langs., 14,185 Local Langs., 3304 MSS., 13,442 gifts, Palm-Leaf MSS., 1244.

ADMISSION. The necessary qualification for entrance to the Univ. Intermediate Course is the Higher Secondary Certificate or an equivalent certificate.

DEGREES. B.A., M.A., LL.B., LL.M., B.Sc., M.Sc., B.V.Sc., B.Sc. in Agriculture, B.E., M.B., B.S., B.Ed., M.Ed., B.Com., and Ph.D.

FEES. Admission—Rs. 5; Tuition: B.A., B.Sc. and B.Com.—Rs. 100 p.a.; B.Sc.Ag., B.V.Sc.—Rs. 125 p.a.; M.A. and M.Sc.—Rs. 125 p.a.; LL.B.—Rs. 125 p.a.; LL.M.—Rs. 150 p.a.; M.B., B.S.—Rs. 125 p.a.; B.E.—Rs. 125 p.a.; B.Ed.—Rs. 125 p.a.; M.Ed.—Rs. 125 p.a.; Ph.D.—Rs. 150 p.a.

RESIDENCE. Univ. Hostels provide accomm. for about 1000 students. Cost of living about Rs. 32 p.m.

PUBLICATIONS. *Calendar*; *Annual Administration Report*; *Research Journal*; Text-books.

THE YEAR 1949–50

EXTRA-MURAL WORK. Extension Lectures continued to be given.

DEATH. Dr. Haji Ghulam Mohammad.

HONORARY DEGREES. *LL.D.*—Major-General J. N. Chaudhuri, Military Governor of Hyderabad.

STUDENTS. Total: 7623 (Arts, 2797; Science, 3398; Engineering, 366; Law, 164; Medicine, 399; Agriculture, 154; Veterinary Science, 72; Education, 83; Commerce, 190).

DEGREES. B.A., 276; M.A., 22; LL.B., 80; LL.M., 4; B.Sc., 125; M.Sc., 35; B.Com., 62; M.B., B.S., 10; B.E., 37; B.Sc. Ag., 16; B.V.Sc., 8; B.Ed., 42; M.Ed., 4; Diploma in French, 3.

PATNA UNIVERSITY

Founded 1917

Address—Patna 5.

CHANCELLOR—H.E. THE GOVERNOR OF BIHAR.
VICE-CHANCELLOR—SARANGDHAR SINHA, M.A., B.L.
REGISTRAR—JAGATNANDAN SAHAY, M.A.
DEPUTY REGISTRAR—PINAKPANI ROY CHOUDHURY, B.Sc.
ASSISTANT REGISTRAR—SYED YAWAR HUSSAIN, B.A.

UNIVERSITY TEACHING STAFF

Ancient Indian History and Culture

Altekar, A. S., M.A., D.Litt. Prof
Sinha, B. P., Ph.D. Reader.
Bhattacharya, T. P., D Litt. Lectr.
Upadhyaya, B. Lectr.

Geology

Iyer, L. A. N. Tata Prof.
Wakhloo, S. N., Ph.D. Lectr
Jain, A. P., M.Sc. Lectr.

Hindi

Sharma, J. R.
Rai Bahadur Ganga Prasad Singh Lectr.

Labour and Social Welfare

Singh, A. D., M.A., M.Sc. New York, M.A Lectr.

Music

Roy, R. L. Director.

Politics

Muhar, P. S., Ph.D. Reader.
Sinha, K. C. Lectr.
Pylee, M. V. Lectr.

Psychology, Applied

Maity, H. Prof.
Mitra, S K. Lectr.
Amin, D. L. Lectr.

Statistics

Lal, D. N , M.A., Ph.D. Reader.
Narayan, L. Lectr.

ADMITTED COLLEGES

ARRAH, *H.D. Jain College*. B.A., B.Com. Principal—B. B. Majumdar, M.A., Ph.D. *Eng.*—J. C. Das, M.A. *Commerce*—P. Roy, M.Com. Calc. 35 other Lectrs.

AURANGABAD (GAYA), *S.S. College*. B.A. Principal—B. N. Madhava, M.A. Ban. 12 other Lectrs.

BANKIPUR (PATNA), *Bihar College of Engineering*. B.Sc. (Eng.). Principal —Bhagwat Prasad, M.Sc., B.L. Calc., B.Sc. (Tech.) Manc. 15 other Profs. and Lectrs.

BANKIPUR (PATNA), *Bihar National College*. B.A., B.Sc. Principal, and Prof. of *English*—S. M. Moinul Haq, O.B.E., M.A. Other Profs.: *Chem.*—N. K. Basu, M.Sc. *English*—C. T. Mitra, M.A. Calc. *History*—K. M. Sinha, M.A. *Maths.*—W. C. Dutta, M.A. Calc. *Persian*—A. Saiyid, M.A. *Philos.*—S. N. Roy, M.A. Calc. *Physics*—S. N. Roy, M.Sc. Calc. *Sanskrit*—S. N. Bhattacharayya, M.A. 55 other Profs., Lectrs. and Demrs.

BANKIPUR (PATNA), *Magadh Mahila College.* B.A. Principal — Mrs. Romola Nandi, M.A. Professors: *Engl.*—Miss B. Gurha, M.A. *History*—Mrs. J. Basu. *Econ.*—Mrs. A. Bose. 11 other Lectrs.

BANKIPUR (PATNA), *Law College.* B.L. Principal—B. K. Sinha, B.A., B.L. Prof.: S. Ainul Varis, M.A. Camb. 14 other Lectrs.

BANKIPUR (PATNA), *Patna College.* M.A. Principal—K. P. Sinha, B.A. Camb., M.A. Professors: *Econ.*—B. R. Misra, Ph.D. *Engl.*—K. Ahmad, B.A. Camb., M.A. *History*—K. K. Datta, M.A., Ph.D. Calc. *Maths.*—Kartik Nath Pande, M.A. Calc. *Philos.*—D. M. Datta, M.A., Ph.D. Calc. *Sanskrit*—Iswara Dutta, Ph.D. Munich. 55 other Profs. and Lectrs.

BANKIPUR (PATNA), *Patna Women's College.* B.A. Principal—Rev. Mother M. Theodosia, A.C. Profs.: *Econ.*—Rev. Sister M. Florence. *Geog.*—Sister Honorine, A.C. *Maths.*—Miss A. Mitra. *Philos.*—Sister Vera, A.C. *History*—Rev. Sister M. Scholastica, A.C. 12 other Lectrs.

BANKIPUR (PATNA), *Prince of Wales' Medical College.* M.B., B.S. Principal, and Prof. of *Physiology*—B. Narayana, M.Sc., M.B. Calc., Ph.D. Edin. Profs.: *Anatomy*—G. K. Ghosh, B.Sc., M.B. Calc., M.Sc. Lond. *Hygiene*—Rai Saheb H. Prasad, M.B. Calc., D.P.H. Calc., D.T.M. & H. Lond., D.T.M. Liv. *Medicine*—Rai Saheb S. K. Ghosh Dastidar, M.B., D.T.M. Calc. *Surgery*—U. P Sinha. 61 other Profs. and Lectrs.

BANKIPUR (PATNA), *Science College.* M.Sc. Principal—P. B. Ganguly, M.Sc. Alld., D.Sc. Lond. Professors: *Maths.*—N. S. Nagendra Nath, M.Sc. Calc., Ph.D. Camb.; P. N De, M.Sc. Calc, M.A. Lond. *Chem*—M. Q Doja, B.Sc., B.A. Camb.; S. K. Guha, M.Sc. Dacca. *Physics*—Rai Bahadur K. N. Banerji, M.Sc. Calc.; M. M. Sen Gupta, M.Sc. Calc., Ph.D. Edin. *Mathematical Physics*—S. P. Prasad, B.A. Camb. *Zoology*—S. S. Choudhury, M.A. Alld., M.Sc. Luck. *Botany*—R. C. Lacy, M.Sc. Alld., M.A. Tor. Asst. Prof. in *English*—K. N. Misra, B.A. Lond., M.A. 43 other Profs., Lectrs. and Demrs.

BEGUSARAI, *G.D. College.* B.A. Principal—G. D. Chakravarti, M.A. 18 other Lectrs.

BHAGALPUR, *Marwari College.* B.Sc. Principal—B. N. Mukherjee, M.A. Calc. 15 other Lectrs.

BHAGALPUR, *Tej Narayan Jubilee College.* B.A., B.Sc. Principal—J. Mishra, M.A., Ph.D. Profs.: *Eng.*—M. Sarkhel. *Chem.*—R. R. Bhattacharjee. *History*—N. Acharya, M.A.; K. K. Bose, M.A. *Maths.*—N. D. Banerji, M.A. Calc. *Philos.*—J. C. Sen Mazumdar, M.A. Calc. *Physics*—S. N. Banerjee, M.Sc. *Sansk.*—B. D. Mishra. 50 other Profs., Lectrs. and Demrs.

BIHAR (PATNA), *Veterinary College.* B.Sc. (Vet. Sc.). Principal—H. R. Kapur.

BIHARSHARIF (PATNA), *Nalanda College.* B.A. Principal—J. L. Sharma, M.A., D.Sc. Alld. 17 other Lectrs.

CHAPRA, *Rajendra College.* B.A., B.Com. Principal—Manoranjan Prasad Sinha, M.A. Ban. Profs.: *Engl.*—S. K. Gobind, M.A. *Econ.*—S. N. Jha, M.A. *Phil.*—D. N. Sahay, M.A. 32 other Lectrs.

DARBHANGA, *C.M. College.* B.A., B.Com., B.L. Principal—B. M. K. Sinha, B.A. Lond., M.A. Professors: *English*—R. C. Prasad, M.A. *Philos.*—N. L. Palit, M.A. *Econ.*—B. N. Sinha, M.A. *Persian and Urdu*—Q. Hosain, M.A. Hin.; ..... *Sansk.*—H. Goswami, M.A. Calc. *Hist.*—S. N. Misra, M.A. Ban. *Maths.*—P. K. Chowdhary, M.Sc. *Maithili*—..... *Commerce*—K. Saran, M.Com. Luck. *Physics*—D. P. Choudhary, M.Sc. Ban. *Chem.*—

R. C. Sahi, M.Sc. *Biol.*—B. N. Prasad, M.Sc. Ban. *Law*—H. Narayan, B.A., B.L. 34 other Profs. and Lectrs.

DARBHANGA, *Medical College.* M.B., B.S. Principal—G. B. Sahay, B.Sc., M.B., D.T.M. 19 other Profs.

GAYA, *Gaya College.* B.A., B.Com. Principal—A. Narayana, M.Sc. Ban. Other Profs.: *English*—S. Sinha, M.A. *Maths.*—K. S. Lal, M.A. *Hist.*—R. N. Prasad, M.A 34 other Profs. and Lectrs.

HAZARIBAGH, *St. Columba's College.* B.A. Principal, and Prof. of *Philos.*—A. F. Markham, M.A. Oxon. Other Profs.: *Eng.*—T. H. Mukharji, M.A. Dacca. *Chem.*—K. M. Lahiri, M.Sc. *Econ.*—S. Sirkar, M.A. *History*—P. C. Horo, M.A. *Maths.*—R. N. Mukherji, M.Sc.; B. Prasad, M.A. *Pers.*—Md. Muslim, M.A., M.O.L. *Philos.*—K. C. Varughese, M.A. Calc., B.D. Serampore. *Physics*—A. A. K. Mindal. 12 other Profs. and Lectrs.

KHAGARIA, *Koshi College.* B.A. Principal—K. Sahai, M.A. 9 other Profs. and Lectrs.

MADHUBANI, *R K. College.* B.A. Principal—A. K. Datta, M.A., B.L. 16 other Profs. and Lectrs.

MONGHYR, *R.D. and D.J. College.* B.A. Principal—S. K. Dutta, M.A. Lectrs.: *Sansk.*—S. C. Maitra, M.A. *Maths.*—G. C. Sadhukhan, M.A. *Econ.*—K. N. Mullick, M.A. *Logic*—K. N. P. Sinha, M.A. 24 other Lectrs.

MOTIHARI, *M.S. College.* B.A. Principal—K. Pd. Sinha, M.Sc. 12 other Lectrs.

MUZAFFARPUR, *Darsan Das Women's College.* B.A. Principal—A. Sen, M.A. Calc. Profs.: *Engl.*—Miss Bela Dutt Choudhary, M.A. *History*—Atulananda Sen, M.A. *Philos.*—Miss Labanyalata Ghosh, M.A., B.T. 6 other Lectrs.

MUZAFFARPUR, *Langat Singh College.* B.A., B.Sc. Principal—F. Rahman, B.A. Lond., M.A. Profs.: *English*—M. Pratap, B.A. Camb. *History*—S. Narain, M.A., B.L. *Pers.*—S. A. Majid. *Chem.*—R. A. P. Sinha, M.Sc. Calc. *Econ.*—D. P. Srivastava, M.A., B.L. *Maths.*—S. D. Upadhya, M.A. *Philos.*—Y. Masih, M.A. *Physics*—N. D. Ghose, M.Sc. Calc.; S. K. Basu. *Sansk.*—U. N. Jha, M.A., B.L. 33 other Profs., Lectrs. and Demrs.

MUZAFFARPUR, *R.D. Singh College.* B.A. Principal—H. Hukku, Ph.D. 18 other Profs. and Lectrs.

MUZAFFARPUR, *S.K.J. Law College.* B.L. Principal—K. Narain. 5 other Profs. and Lectrs.

PATNA, *Training College.* M.Ed. Principal—A. A. Kazimi, M.A. Camb., B.Sc., B.T. Prof.: N. C. Chatterji, M.A. Calc., Dip.Ed. 4 other Profs.

PURNEA, *Purnea College.* B.A. Principal—J. P. J. Dwij, M.A. 13 other Profs. and Lectrs.

RANCHI, *Ranchi College.* B.A. Principal—J. Prasad, M.A. Calc., B.A., M.Sc. Camb. 27 other Profs. and Lectrs.

RANCHI, *St. Xavier's College.* B.A. Principal—Rev. A. Schoekaert, Ph.D. *Engl.*—..... *History*—Rev. P. Van. 25 other Profs. and Lectrs.

SABOUR, *Bihar Agricultural College.* Principal—S. Anwarullah. 17 other Profs.

SIWAN, *D.A.V. College.* B.A. Principal—B. B. Misra, M.A. Ban., Ph.D. Lond. Prof.: *Engl.*—A. Ghosh, M.A. 7 other Lectrs.

GENERAL INFORMATION

Founded Oct. 1, 1917. Most of the teaching is conducted in the "admitted" Colleges, v. *supra*.

LIBRARY. 43,849 vols.

FACULTIES. Arts, Science, Educn., Law, Engineering, Medicine, Commerce, Agriculture, Veterinary Science.

DEGREES. B.A., M.A., Ph.D., D.Lit., B.Sc., M.Sc., D.Sc., M.Ed., B.L., M.L., D.L., B.Sc. (Eng.), M.B., B.S., B.O.L., M.O.L., B.Com., B.Sc. (Agr.).

RECOGNITION of examns. is accorded by Oxon., Camb., Lond., Dub., Edin.

RESEARCH SCHOLARSHIPS. Fifteen, five in Science, five in Arts, two in Medicine, two in Engineering, one floating available in Science, Arts, Medicine and Engineering according to demand. The value of each Scholarship is Rs. 100 p.m., tenable for 2 yrs.

RESEARCH FELLOWSHIPS. Junior and Senior, in the scales of Rs. 300-20-500 and Rs. 500-25-750 respectively, tenable for 5 yrs.

PUBLICATIONS. *Calendar*, Rs. 4; *Minutes*, Rs. 2; *Courses of Studies for each Examination*, As. 6; *Question Pamphlets* (each examn., As. 6); *Regns.*, Re. 1; *Readership Lectures* (on a variety of subjects), Rs. 1-4 to Rs. 4-8.

THE YEAR 1948–49

STUDENTS Full-time: 20,405.

DEGREES. M.A., 207; M.Sc., 38; B.A., 2248; B.Sc., 279; B.Com., 232: B.L., 271; B.Sc. (Eng.), 29; M.B., B.S., 155; B.Sc. (Agr.), 27.

UNIVERSITY OF POONA

Founded 1948

Address—Ganeshkhind ; Poona, 7.
Telegrams—" University " Ganeshkhind.

CHANCELLOR—H.E. RAJA SIR MAHARAJA SINGH, M.A. Oxon.

VICE-CHANCELLOR—Rt. Hon. M. R. JAYAKAR, P.C., M.A. Bom., D.C.L. Oxon., LL.D. Alld

REGISTRAR—D. V. JOSHI, B.A.

DEPUTY REGISTRAR—G. P. BHONSALE, B.A. Bom., B.Sc. (Econ.) Lond.

AFFILIATED AND CONSTITUENT DEGREE COLLEGES

AHMEDNAGAR, *Ahmednagar College* (1947). Inter. Arts and Sci.

AMALNAR, *Pratap College* (1945). B.A. (General and Hons.) and B.Sc.

JALGAON, *Mooljee Jaitha College* (1945). B.A. (General and Hons.) and B Sc.

MULUND, *Narayanrao Topiwalla College* (1947). B.A. (General) and Inter. Sci.

NASIK, *Hansraj Pragji Thackersey College* (1924). B.A. (General and Hons.) and Inter. Sci

POONA, *B.J. Medical College* (1946). Up to the Third M.B., B.S. degree.

POONA, *Brihan Maharashtra College of Commerce* (1943). B.Com.

POONA, *College of Agriculture* (1907). B.Sc. (Agri.).

POONA, *College of Engineering* (1865). B.E. (Civil, Mech. and Elect.).

POONA, *Fergusson College* (1884). B.A. (General and Hons.) and B.Sc.

POONA, *Law College* (1928). LL.B.

POONA, *M.E. Society's College of Arts and Sciences* (1946). Inter. Arts and Sci.

POONA, *Mowrosjee Wadia College* (1932). B.A. (General and Hons.) and B.Sc.

POONA, *Sir Parashurambhau College* (1916). B.A. (General and Hons.) and B.Sc.

POONA, *Tilak College of Education* (1941). B.T.

RATNAGIRI, *R.P. Gogate College* (1945). B.A. (General and Hons.) and B.Sc.

SANGLI, *New Engineering College* (1947). S.E. (Civil).

SANGLI, *Willingdon College* (1919). B.A. (General and Hons.) and B.Sc.

SATARA, *Chhatrapati Shivaji College* (1947). Inter. Arts and Sci., T.D.

SHOLAPUR, *D.A.V. College* (1940). B.A. (General and Hons.) and B.Sc.

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. Applications for admission to Colleges were increasing and even the holding of examinations was taxing the resources and organization of that Univ. 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. 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 occupies 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 University 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. will, no doubt, have its own library, laboratories and full-time teaching staff, but these 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.

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.

No discrimination is made toward students on the ground of sex, race, creed, class or religious or political belief.

FACULTIES. Arts: Mental, Moral and Social Sciences; Science; Law; Medicine; Engineering; Agriculture; Fine Arts and Music.

DEGREES. B.A.; M.A.; B.Sc.; M.Sc.; B.Com.; M.Ed.; B.E.; P.T.; T.D.; LL.B.; LL.M.; B.Sc. (Agr.).

THE YEAR 1948–49

The work of the Univ. began with the appointments on April 15, 1948, of the Vice-Chancellor and the Registrar.

CONSTITUTION. Advisory Committee, apptd. by the Govt. in June 1948, prepared drafts of the Provisional Statutes and the election rules necessary for the constitution of the various bodies of the Univ.

BENEFACTIONS. In March 1949 the Govt. sanctioned a total non-recurring grant of Rs. 1,43,500 (inclusive of an advance grant of Rs. 50,000 made in June 1948) for the financial year 1948–49.

STUDENTS. Total : about 19,300.

DEGREES. B.A., 351 ; M.A., 36 ; B.T., 77 ; T.D., 4 ; M.Ed., 9 ; B.Com., 72 ; B.Sc., 465 ; M.Sc., 6 ; B.Sc. (Agr.), 57 ; LL.M., 1.

UNIVERSITY OF RAJPUTANA

Founded 1947

Address—Sawai Man Singh Highway, Jaipur.
Telegraphic Address—" University, Jaipur."

CHANCELLOR—HIS HIGHNESS THE MAHARAJ RANA SIR BHUPAL SINGH JI SAHIB BAHADUR of Udaipur State, Udaipur.

PRO-CHANCELLOR—.....

VICE-CHANCELLOR—G. S. MAHAJANI, M.A., Ph.D., M.L.C. Bom.

REGISTRAR—M. M. VARMA, M.A.

AFFILIATED INSTITUTIONS

(I.A., I.Com., B.A., M.A., B Sc., M.Sc., B.Com., M.Com., etc. = affiliated up to Intermediate, B.A., M.A., etc. standard.)

(A) The number of collegiate institutions affiliated to the University is 30, as listed below :

JAIPUR, *Maharaja's College.* B.A., B.Sc., B.Com., M.A., M.Sc., M.Com., I.A. and I.Com.

JAIPUR, *Maharani's College.* B.A., I.A.

JAIPUR, *S.S.G. Pareek Vidyalaya.* I.A.

JAIPUR, *Sawai Man Medical College.* M.B., B.S.

JAIPUR, *Law College.* LL.B.

PILANI, *Birla College.* B.A., B.Sc., B.Com., M.A., M.Sc., M.Com., I.A., I.Com., I.Pharm. and B.Pharm.

PILANI, *Birla Engineering College.* B.E. (Mechanical and Electrical Engineering.)

NAWALGARH, *Seth G.B. Podar College.* B.Com., M.Com., I.A. and I.Com.

SIKAR, *Sri Kalyan Inter. College.* I.A.

JOBNER, *S.K.N.R. Inter. College.* B.Ag., I.A., Inter. Agriculture.

FATEHPUR, *Seth G.R. Chamaria Inter. College.* I.A. and I.Com.

JODHPUR, *Jaswant College.* B.A., B.Sc., B.Com., M.A., M.Sc., M.Com., LL.B., I.A. and I.Com.

JODHPUR, *Darbar Girls' Inter. College.* I.A.

JODHPUR, *Sri Maharajkumar Inter. College.* I.A. and I.Com.

BIKANER, *Dungar College.* B.A., B.Sc., M.A., M.Sc., LL.B., I.A.

BIKANER, *Teachers' Training College.* B.Ed., T.T.C.

BIKANER, *B.J.S.R. Jain Inter. College.* I.A. and I.Com.

BIKANER, *Maharani Sudershan Inter. College for Women.* I.A.

SRI GANGANAGAR, *State Inter. College.* I.A.

CHURU, *Lohia Inter. College.* I.A., B.Com. and I.Com.

UDAIPUR, *Maharana Bhupal College.* B.A., B.Sc., B.Com., M.A., LL.B., I.A. and I.Com.

UDAIPUR, *Vidya Bhawan G.R. Teachers' College.* B.Ed.

KOTAH, *Herbert College.* B.A., B.Sc., B.Com., M.A., LL.B., I.A. and I.Com.

KOTAH, *Shri Maharaniji Sahiba's Girls' Inter. College.* I.A.

ALWAR, *Raj Rishi College.* B.A., B.Sc., B.Com., LL.B., I.A. and I.Com.

BHARATPUR, *M.S.J. College.* B.A., B.Sc., B.Com., I.A. and I.Com.

BRIJNAGAR, *Shri Rajendra Inter. College.* I.A.

BUNDI, *Hadendra Inter. College.* I.A.

KISHANGARH, *Darbar Inter. College.* I.A.

(B) The number of High Schools recognized by the Univ. is 150, of these 10 are Girls' High Schools.

GENERAL INFORMATION

The idea of a Univ. at Jaipur—whether only for Jaipur State, or for the whole of Rajputana, or for 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 Univ. for Rajputana was promulgated by the States that had decided upon this joint action. In July the Univ. began to function.

The jurisdiction of the Univ. extends over the ring-shaped region—the whole of Rajputana, minus the centrally administered "island" of Ajmer-Merwara at the Centre. The area comprises the following seven political units: (1) Bikaner; (2) Jaipur; (3) Jaisalmer; (4) Jodhpur; (5) Matsya-Union (consisting of the former four States of Alwar, Bharatpur, Dholpur and Karauli); (6) Rajasthan-Union (consisting of the former ten States of Banswara, Bundi, Dungarpur, Jhalwar, Kishangarh, Kotah, Pratapgarh, Shahpura, Tonk and Udaipur); and (7) Sirohi.

The Univ. controls the High School Examn. as well as Univ. education.

FACULTIES. *Arts*: Dean—R. K. Shukla, M.A. *Science*: Dean—K. L. Varma, M.A. *Commerce*: Dean—Rup Ram Gupta, M.A., B.Com. *Law*: Dean—K. S Hajela, M.A., M.Sc., LL.M. *Engineering*: Dean—V. Lakshminarayanan, B.E. *Medicine*: Col. R. M. Kasliwal, M.D., D.T.M. and H.

DEGREES. B.A. (Pass and Honours), B.Sc. (Pass and Honours), B.Com., B.E., B.Ag., B.Ed., M.B., B.S., B.O.L., LL.B., M.A., M.Sc., M.Com., M.O.L., LL.M., Ph.D., LL.D.; (*Honoris Causa*), D.Litt., D.Sc., LL.D.

CERTIFICATES. Inter. (Arts and Science), Inter. Commerce, Inter. Agriculture, Teachers' Training Certificate, High School, High School Vocational.

FINANCE. The annual income of the Univ. (excluding the promised endowments for teaching depts.) is about Rs. 6 lacs. The principal items are the annual contributions from the participating States, which at present total up to the figure of Rs. 2,65,000, and about 3½ lacs of rupees in respect of examn. fees.

LIBRARY AND BUILDINGS. The Univ. is at present housed in a rented bldg. The Govt. of Jaipur has, however, set apart an extensive site and a sum of Rs. 20,00,000 for the present, for the Univ. bldgs., hostels and the Library. The foundation stone of the Univ. bldgs. was laid at Jaipur by H.E. Shri C. Rajgopalachari, Governor-General of India. Plans, etc., are under preparation and the construction will commence soon. Arrangements have been made by the State for temporary location of the Univ. Library, and a sum of Rs. 20,000 was provided. Many books have already been obtained.

SCHOLARSHIPS AND MEDALS. The following Scholps., besides 6 Research Scholps. of Rs. 75 p.m. each for 2 years, have been instituted by the Univ., each

tenable for 2 yrs.: 3 Scholps. (including one to a woman candidate who stands first among women candidates) of Rs. 16 p.m. each and 2 Scholps. of Rs. 12 p.m. each awarded on the results of the High School Examn. 7 Scholps. of Rs. 25 p.m. each (2 for Arts, 2 for Science, and 2 for Commerce, and one to a woman who stands first among the women candidates) awarded on the results of the Intermediate Examn. 5 Scholps. (2 for Arts, 2 for Science and one for Commerce) of Rs. 40 p.m. each awarded on the result of the Degree Examns. A Gold Medal, called the Chancellor's Gold Medal, worth Rs. 250, is awarded annually to a student who stands first at the Postgraduate examns. 3 other Gold medals offered by Seth Radha Krishna Khetan are awarded each year to (1) a woman candidate in first class securing the highest number of marks in Hindi at the M.A. examn. amongst women candidates, failing which the medal to be awarded to a woman candidate who fulfils similar conditions at the B.A. examn. or, failing that, to a woman candidate at the Inter. examn. (2) a student securing the highest number of marks in Hindi at the B.A. examn. of the Univ. and (3) a student who stands first at the M.A. (Hindi) examn. of the Univ. Another Gold Medal called the A. P. Cox Gold Medal is also awarded to the best athlete of the year among the Colls. affiliated to the Univ.

RESIDENCE AND HEALTH. The students of the Colleges, under the jurisdiction of the Univ., are required to live either in a Hostel or with their parents or guardians. The cost of living and the conditions of residence differ according to location. Details may be found in the annual prospectuses of the different institutions. Each Coll. is required to satisfy the Syndicate that arrangements for the residence, health and recreation of students are adequate.

NATIONAL CADET CORPS TRAINING. Seven N.C.C. Companies have been raised as follows: 2 Companies at Jaipur and Nawalgarh, one at Pilani, one at Udaipur, one at Kotah and two at Jodhpur.

THE YEAR 1949–50

EXAMINATIONS. The number of candidates registered for the Intermediate, Degree and Postgraduate examns. held in March-April 1949 was 4861. Of these, 1379 appeared at the Intermediate, 484 for the Inter. Commerce, 10 for the Inter. Agriculture, 26 for the Teachers' Training Certificate, 581 for the B.A., 175 for the B.Sc., 232 for the B.Com., 288 for the M.A., 49 for the M.Sc., 69 for the M.Com., 810 for the LL.B., and 327 for the B.E. examns. and 57 for the first M.B., B.S. examns. The total number of students who appeared as regular students from affiliated Colls. was 3811, the remaining 709 appearing as private or non-collegiate (including 202 women) candidates. At the High School Examns., out of the 6211 candidates registered 5966 appeared for the examn. and 3074 passed.

TEACHING AND RESEARCH. The Teaching Dept. of the Univ. in Economics has now commenced functioning and M. V. Mathur, who previously held an appt. with U.N.O. at Lake Success, has been apptd. as Reader. It is hoped that Teaching Depts. in Philos. and Geol. of the Univ. will shortly be established. Dr. P. T. Raju, who is now in U.S.A. as a Visiting Prof. of Indian Philos., has been apptd. Prof. of Philos.

EXTRA-MURAL WORK. Extension lectures by members of the Univ. were delivered at various centres, and are being published both in English and Hindi. Lectures were given by various distinguished scholars: Dr. Radha-

krishnan, Peter Koinange (South Africa), Prof. Hicks and Mrs. Hicks (Oxford), Dr. Kaizer (America) and Dr. Marshall H. Stone (Chicago). Under the auspices of the Univ. the bicentenary of Goethe was celebrated on Aug. 28, 1949, when a number of Profs. from various Colls. came and spoke on the life and works of Goethe.

STUDENTS. The number of candidates enrolled as members of the Univ. was 2688. The number of students faculty-wise in the affiliated Colls. being 1252 in Arts, 413 in Science, 767 in Law, 594 in Commerce, 323 in Engineering and 124 in Medicine. The total number of students increased from 5380 (in 1948) to 6860 (in 1949) including 3387 candidates in the Inter. classes.

UNIVERSITY OF SAUGAR

Founded 1946

Address—Saugor (C.P.).
Telegrams—University, Saugor.

CHANCELLOR—The Hon. PANDIT RAVI SHANKER SHUKLA, B.A., LL.B., Prime Minister, Central Provinces and Berar, Nagpur.

PRO-CHANCELLOR—The Education Minister, Central Provinces and Berar, Nagpur.

VICE-CHANCELLOR—.....

REGISTRAR—ISHWAR CHANDRA, M.A.

DEPUTY REGISTRAR—PARMANAND BAJPAI, M.A., LL.B.

AFFILIATED COLLEGES

BILASPUR, *Law College.*
BILASPUR, *S.B.R. Arts College.*
JUBBULPORE, *Mahakoshal Mahavidyalaya.*
JUBBULPORE, *Prantiya Shikshan Mahavidyalaya.*
JUBBULPORE, *Hitkarini Mahavidyalaya.*
JUBBULPORE, *Hitkarini Law College.*
JUBBULPORE, *C.P. and Berar Veterinary College.*
JUBBULPORE, *Government Engineering College.*
JUBBULPORE, *G.S. College of Commerce and Economics.*
JUBBULPORE, *Training Institute for Women, Hawa Bagh.*
KHANDWA, *Diploma Institute for Men.*
KHANDWA, *Shri Nilkantheshwar College.*
RAIPUR, *Chhattisgarh College.*
RAIPUR, *College of Science.*
RAIPUR, *Law College.*

TEACHING STAFF

Chairmen of the Boards of Studies.

Botany
Misra, R., M.Sc., Ph.D.

Chemistry
Bhattacharya, A. K., D.Sc.

Commerce
.....

Economics
Deshpande, N. M., M.A.

Education
Rama Rao, K. G., Ph.D.

Engineering
Chakravarti, S. P., M.Sc. (Eng.).

English
Chatterji, G. C., M.A.

Geography
Varma, K. N., M.A.

Geology
Chiplonkar, G. W., D.Sc.

Hindi
Bajpeyi, N. D., M.A.

History
Katare, S. L., D.Litt.

Law
.....

Marathi
Adoni, D. L., M.A.

Mathematics
Shabde, N. G., D Sc.

Music and Home Science
Mittra, B., M.A., B.Mus., Ph.D.

Philosophy
Rama Rao, K. G., Ph.D.

Physics
Ganesan, A. S., M.Sc., Ph.D.

Political Science
Pande, A. L., M.A.

Sanskrit
Paranjpe, P. M., M.A.

Urdu and Persian
Pathak, B. L., M.A.

Veterinary Science
Mangrulkar, M. Y., M.Sc.

Zoology
Singh, K., M Sc.

GENERAL INFORMATION

The University was founded by Sir Hari Singh Gour with a gift of Rs. 20 lacs, and was originally housed in temporary bldgs. provided by the Govt. of India. A new site and other aid has been given by the Govt. of Madhya Pradesh, and an appeal launched to obtain private funds to supplement official aid in the construction of the new bldgs.

The Univ. is a teaching, affiliating and residential Univ. and is particularly concerned with polytechnics.

FACULTIES AND DEANS. Science, A. K. Bhattacharya, D.Sc.; Arts, N. D. Bajpeyi, M.A.; Law, ...; Education, K. G. Rama Rao, Ph.D.; Veterinary Science, ...; Engineering, ...

DEGREES. B.A., B.Sc., B.Com., LL.B., M.A., M.Sc., LL.M., M.Ed., B.E. (Hons.), B.V.Sc.

THE YEAR 1948–49

DEATH. Sir Hari Singh Gour, founder of the Univ.

STUDENTS. About 5000 (over 800 in residence in Univ.).

UNIVERSITY OF TRAVANCORE
TRIVANDRUM

Founded 1937

CHANCELLOR—HIS HIGHNESS SIR BALA RAMA VARMA, G.C.S.I., G.C.I E , D.Litt , Maharaja of Travancore.

PRO-CHANCELLOR—.....

VICE-CHANCELLOR—V. K. NANDAN MENON, M.A. Oxon.

REGISTRAR—P. R. PARAMESWARA PANIKKAR, M.A.

TEACHING STAFF

HEADS OF DEPARTMENTS OF STUDY IN THE UNIVERSITY

Botany
Abraham, A., M.Sc , M.A., Ph D.

Chemistry
Narayanan Poti, A., M.A., Ph.D.

Education
.....

Engineering
.....

English
Aiyar, S., M.A., Ph.D.

European Languages
Tampy, T. P., B.A.

Fine Arts
Jayaram, C., D.Litt.

Hindi
Bhaskaran Nair, K., B.A.

History and Economics
.....

Islamic Studies
Hussain, Md., B.O.L.

Law
Narayanan, K., B.A., B.L.

Malayalam
Goda Varma, K., M.A., Ph.D.

Marine Biology and Fisheries
John, C. C., M.A. Madr., D.Sc. Lond., D.I.C.

Mathematics
Subbarama Iyer, C. V., M A.

Oriental Studies, Research in
.....

Philosophy
Sundararaja Naidu, V., M.A., B.L.

Physical Education
Alexander, P. I., M.A., M.P.E.

Physics
Venkateswaran, C. S., M.A., D.Sc., F.I.P.

Sanskrit
Ramaswami Sastri, V. A., M.A.

Sciences, Applied, Research in
John, C. C., M.A. Madr., D.Sc. Lond, D.I.C.

Statistics
Sivaraman Nair, U., M.A., Ph.D.

Tamil
.....

Textile Technology
Gopalan Nair, M. P., T.T.W.F.M. Saxony, Spin.Tech. Bohemia.

Zoology
Bhaskaran Nair, K., D.Sc.

COLLEGES MAINTAINED BY THE UNIVERSITY

TRIVANDRUM, *H.H. the Maharaja's University College.* Provides Hons. courses in Hist., English, Sanskrit, Malayalam, Maths., and Pass courses in Hist., Psychol., Malayalam, Tamil, Sanskrit, Islamic Culture, Maths., Physics, Chem., Bot. and Zool., and Postgraduate courses in Maths., Physics, Chem. and Bot. Principal — V. Sundararaja Naidu, M.A., B.L. 100 other Teachers.

TRIVANDRUM, *H.H. the Maharaja's College for Women.* A Second Grade College. Principal—Miss Anna Nidiry, M.A. 32 other Teachers.

TRIVANDRUM, *H.H. the Maharaja's Sanskrit College.* An Oriental College. Principal—N. Gopala Pillai, M.A. 15 other Teachers.

TRIVANDRUM, *The University Intermediate College.* A Second Grade College. Principal—A. Chammar, M.A., L.T. 41 other Teachers.

Professional Colleges

TRIVANDRUM, *H.H. the Maharaja's Training College.* B.T. course. Principal—Kora M. Mani, M.A. Camb., B.A., L.T. 9 other Teachers.

ERNAKULAM, *H.H. the Maharaja's Law College.* B.L. course. Principal —K. Narayanan, B.A., B.L. 4 other Teachers.

TRIVANDRUM, *The College of Engineering.* Degree, Diploma and Certificate courses in Civil, Mechanical and Electrical Engineering. Principal—S. Ramachandra, B.A., B.E. 49 other Teachers.

TRIVANDRUM, *The Institute of Textile Technology.* Diploma and Certificate Courses in Textile Manufacture and Textile Chemistry. Principal—M. P. Gopalan Nair, T.T.W.F.M. Saxony, Spin.Tech. Bohemia. 17 other Teachers.

COLLEGES ADMITTED TO THE PRIVILEGES OF THE UNIVERSITY

First Grade Colleges

ALWAYE, *The Union Christian College.* Provides Pass courses in Maths., Physics, Philos., Hist. and Econ. Principal—C. P. Mathew, M.A. 34 other Teachers.

ALLEPPEY, *The Sanatana Dharma College.* Provides Pass courses in Maths., Bot., Zool. and Econ. Principal—A. Gopala Menon, M.A., B.Com. 18 other Teachers.

CHANGANACHERRY, *The St. Berchmans' College.* Provides Pass courses in Maths., Physics, Bot., Zool. and Econ. Principal—Rev. Fr. Thomas William, M.A., L.T. 55 other Teachers.

CHITTOOR, *The Government College.* Provides pass courses in Maths., Philos. and Econ. Principal—T. C. Sankara Menon, M.A. Camb. 28 other Teachers.

ERNAKULAM, *The Maharaja's College.* Provides pass courses in Maths., Philos., Hist., Econ., Malayalam, Physics, Zool., Bot., and Hons. and Postgraduate courses in Chem. and Physics. Principal—G. R. Narayana Iyer, M.A., L.T. 73 other Teachers.

QUILON, *The Sree Narayana College.* Provides pass courses in Maths.,

Physics, Chem., Zool., Bot., Econ. and Hist. Principal—K. Chinnaswamy Iyer, M.A. 54 other Teachers.

TRIVANDRUM, *The Mar Ivanios College.* Provides pass courses in Econ. and Hist. Principal—Rev. Fr. Benedict, B.A. 8 other Teachers.

TRIVANDRUM, *The Mahatma Gandhi College.* Provides Pass courses in Maths. and Econ. Principal—V. Narayana Pillai, M.A., B.L. 43 other Teachers.

Second Grade Colleges

CHANGANACHERRY, *The N.S.S. Hindu College.* Principal—G. Thomas' M.A. 33 other Teachers.

KOTTAYAM, *The C.M.S. College.* Principal—P. C. Joseph, M.A. 26 other Teachers.

NAGERCOIL, *The Scott Christian College.* Principal—G. H. Marsden, M.A. 21 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 education in the State with a view to the gradual development of technical and technological education, to make greater and more systematic provision for the furtherance of original research in the various branches of Applied Science, and to provide for the conservation and promotion of Kerala Art and Culture.

The Senate, consisting of between 60 and 70 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 Government. In addition to the *ex officio* members—the Vice-Chancellor, Director of Public Instruction, Deans of Faculties and Principals of Colleges—the Senate includes also representatives of registered graduates and of the Legislature and a certain number of members nominated by the Chancellor. The Senate is to be reconstituted every three years. The Syndicate, consisting of 12 members, forms the executive body of the Univ., and the administration of the affairs of the Univ. and the management of the institutions maintained by the Univ. are vested in the Syndicate. The other authorities of the University are the Faculties and the Boards of Studies.

RESEARCH. To provide increased facilities for research in Appl. Science, a Central Research Institute, consisting of the Public Health Laboratory of the Dept. of Public Health, the Water Analysis Section of the Water Works Dept., and the research sections of the Dept. of Agriculture and Fisheries, the Dept. of Industries and the Dept. of Marine Biology and Fisheries, was started under the auspices of the Univ. in the year 1939. Programmes of Research were also started under Univ. teachers in Univ. College in the Dept. of Maths., Physics, Chem., Bot. and Zoology. A Council of Research was also constituted. A Division of Mineral Survey and Research has also been organized.

The Univ. has instituted 20 Research Scholps. each of the value of Rs. 40 per mensem and 4 Research Fellowships each of the value of Rs. 60 per mensem. There are several Scholps. and Fellowships paid from private endowments. The Research students work under the guidance of Officers in the Institute or in the College under the Univ.

Schemes of research are undertaken in collaboration with Govt. Depts. in the State and outside on an expenditure-sharing basis. Whenever an item of

work reaches a stage at which it can be taken up on a commercial basis the Institute starts a commercial undertaking or encourages private agencies to do so in collaboration with the Univ.

FACULTIES AND DEANS. *Arts*, V. Sundararaja Naidu, M.A., B.L. *Science*, C. C. John, M.A., D.Sc., D.I.C. *Oriental Studies and Fine Arts*, Malloor K. Govinda Pillai, B.A., B.L. *Techology*, M. V. Kesava Rao, B.Sc., Ph.D. *Law*, C. Kunhiraman, B.A. *Education*, D. Jeevanayakam, M.A., Ph.D., L.T. *Commerce*, A. Gopala Menon, M.A., B.Com.

DEGREES. B.A. and B.Sc. ordinary—2 yrs. after Intermediate or 3 yrs. after Univ. Previous; Hons., 3 yrs.; B.Sc. (Engin.), 5 yrs. Candidates for the M.A. and M.Sc. must undergo prescribed courses of study for 2 yrs. after graduation. The M.Sc. is also awarded to graduates of recognized Univs. on the result of research work over a period of 3 yrs.; non-graduates, 4 yrs. The Ph.D. is awarded to Masters of Arts or Science by examination after 3 yrs.' research, and to Masters of Science by research, after 2 yrs.' research. The D.Sc. and D.Litt. are awarded to Doctors of Philosophy after 2 yrs.' research. The B.L. is awarded after 2 yrs. and the B.T. after one yr. of postgraduate study.

The Univ. also confers the following Titles in Oriental Studies: Mahopadhyaya (Sanskrit), Sahityavisarada (Malayalam), Vivdan (Tamil), Vidvan (Hindi).

DIPLOMAS. Diplomas in Textile Manufacture and Textile Chemistry, each 3 yrs. Diplomas in Civil, Mechanical and Electrical Engineering, each 4 yrs. Diploma in Shorthand and Typewriting, 2 yrs.

THE YEAR 1948–49

BENEFACTIONS. Rs. 9,98,361.

NEW BUILDINGS. New bldgs. for the Zool. Dept. of Univ. Coll. and for the Central Res. Inst. were completed.

NEW DEPARTMENTS AND POSTS. A professorship in Econ. was created in Univ. Coll.

NATIONAL CADET CORPS. The 1st Travancore Battalion National Cadet Corps was formed on March 15, 1949. The object of the Corps is to impart Military Training to College students mainly with a view to instilling discipline, a spirit of leadership and sense of responsibility, and the moulding of character. 10 officers for the Battalion were selected from the members of the staff of the Colls., and given military training for 3 months with the Travancore State Forces. Enrolment of Cadets was completed in Aug. 1949. The authorized strength of the Battalion is 10 N.C.C. Officers and 315 Cadets.

ACADEMIC DEVELOPMENTS. The Education Reorganization Cttee. apptd. by the Govt. of Travancore to enquire into the existing educational system in the State, and to formulate proposals for its reorganization with due regard to post-war developments, recommended the institution of the 3-yr. degree courses, the abolition of the Intermediate Examn. and the institution of an entrance examn. for admission to the Univ. The Senate accepted the recommendations of the Cttee. and as a first step instituted the Univ. Previous Examn., which is open to candidates who have already passed the School Leaving Cert. Examn. conducted by the Educn. Dept. of Travancore or any other examn. accepted by the Syndicate as its equivalent. Candidates for the Univ. Previous Examn. are required to undergo a course of study in the prescribed subjects for a period of not less than one academic yr. in a Pre-

Univ. School recognized by the Univ. The subjects for the Univ. Previous Examn. are arranged according to Facs. and candidates are free to choose the subjects of their aptitude and ability. After passing the Univ. Previous Examn. at the end of the first yr.'s course, students become eligible for admission into a 3 yrs.' degree course in one of the Facs. of the Univ. At the end of the first yr. of the 3 yrs.' course, all undergraduates are required to pass the First Examn. in Arts, Sci. or Oriental Studies, depending upon the particular Fac. they have joined. The standard in all subjects for the First Examn. is considerably higher than the standard required in the Intermediate Examn. in Indian Univs. The first Examn. was held in March 1949.

As a temporary measure, in response to public opinion and pending the recommendation of the All India Univs. Commission regarding reforms in Univ. Educn., permission was granted during the second half of the yr. to Heads of Pre-Univ. Schools to change from the Pre-Univ. Course to the Intermediate Course.

The following new courses of study in Sanskrit have been instituted in the Univ.: (*a*) a 2-yr. Entrance Course for Sastris (Transitory); (*b*) a 2-yr. Intermediate Course; (*c*) a 2-yr. Degree Course; (*d*) a 2-yr. Post-Mahopadhyaya Course (Transitory).

NEW DEGREES. The Degrees of Master of Educn. (M.Ed.) and Doctor of Philosophy (Ph.D.) in the Fac. of Educn. were instituted.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Lectures were delivered by Dr. J. H. Cousins; Prof. L. Renou (Paris); Dr. R. Mukerji, Emeritus Prof. (Lucknow); Sir C. V. Raman; Baron U. R. Ehrenfels, Madras; Prof. S. Chapman.

RETIREMENT. Dr. H. C. Papworth (Vice-Chancellor).

DEATH. Rao Sahib Mahakavi Sahityabhushana Ulloor S. Parameswara Aiyer, Dean, Fac. of Oriental Studies and Fine Arts.

HONORARY DEGREES. *D.Litt.*—Dr. H. C. Papworth.

STUDENTS (1949–50). Total: 12,093; full-time: 12,066; pt.-time: 27; the total includes 2406 women and 563 postgraduates.

DEGREES. M.A, 10; M.Sc., 29; B.L., 47; B.T., 93; B.Sc. (Engin.), 23; B.A. (Hons.), 10; B.Sc. (Hons.), 11; B.A., 340; B.Sc., 464.

UTKAL UNIVERSITY

Founded 1943

Address—Cuttack 3, Orissa. *Telegrams*—University, Cuttack.

CHANCELLOR—H.E. M. ASAF ALI, Governor of Orissa.

PRO-CHANCELLOR—Flt.-Lt. HIS HIGHNESS MAHARAJA SIR P. C. BHANJ DEO, G.C.I.E., Maharaja of Mayurbhanj

VICE-CHANCELLOR—C. M. ACHARYYA, M.A., LL.B.

REGISTRAR—G C. RATH, M.A. Madr., Dip. in L.Sc.

ASSISTANT REGISTRAR—D. P. BARAI, B.A., Dip. in Ed.

ADMITTED COLLEGES

BALASORE, *Fakir Mohan College*. B.A., I.Sc. Principal, and Prof. of *English*—V. V. John, B.A. Oxon. Lectrs.: *Econ.*—R. C. Patnaik, M.A. *Hist.*—R. Subbarao, M.A. *Maths.*—S. K. Panda, M.A. *Philos.*—H. Debnath. *Sanskrit and Oriya*—S. Hota, M.A. 15 other Lectrs.

BARIPADA (MAYURBHANJ), *Maharaja Purna Chandra College*. B.A., I.Sc. Principal, and Prof. of *Hist.*—S. G. Singh, M.A. Camb. *Chem.*—S. K. Mazumdar, M.Sc. *Biol.*—L. M. Sarkar, M.A., B.Sc. *Logic*—R. N. Bhatacharya, M.A. *Engl.*—S. N. Das, M.A. *Hist.*—J. N. Dhar, M.A. *Maths.*—R. D. Bhargava, M.A. *Sanskrit and Oriya*—B. Nanda, B.O.L. *Physics*—D. K. Bhatacharya, M.Sc.

BERHAMPUR, *Khallikote College*. B.A., B.Sc. Principal, and Prof. of *Econ.*—N. Padhi, M.A., L.T. *Chem.*—K. Venkataswara Rao, M.A. *English*—D. Panigrahi, M.A., B.Ed. *Hist.*—K. Sambasiva Rao, M.A. *Maths.*—K. N. Sundarsan, B.A. *Oriya*—C. M. Das, M.A. *Philos.*—C. Sitaramaiah, B.A. Andhra. *Physics*—K. V. Iyer, B.A. Madr. *Telugu*—P. A. Sastry, Vidvan and Kavyatirtha. 5 other Lectrs.

BHADRAK (BALASORE), *Bhadrak College*. Principal, and Prof. of *Engl.*—G. Dharma Rao, M.A., L.T. *Maths.*—Prof. D. Mallik, M.Sc. *Logic*—A. K. Nandi, M.A. *Oriya*—G. B. Mahanty, M.A. *Sanskrit*—P. N. Banerji, M.A. *Econ.*—P. K. Ghose, M.A. *Hist.*—S. K. Rayachowdhury, M.A. 4 other Profs.

BOLANGIR, *Rajendra College*. B.A., I.A., I.Com. Principal, and Prof. of *Philos.*—D. Misra, M.A. Columbia. Other Profs.: *Commerce*—K. P. Nigam, M.A., B.Com. *Econ.*—R. C. Mohanty, M.A. (Econ.). *Hist.*—P. K. Mukherjee, M.A., D.Ed. *Logic*—K. V. Krishna Rao, M.A. *Maths.*—M. K. Wadikhaya, M.Sc. *Oriya and Sanskrit*—S. Das Sharma, Sahityacharya. 4 other Profs.

CUTTACK, *Madhusudan Law College of the Utkal University*. Prof.—H. N. Bhatacharya, M.A., M.L. 3 Lectrs. in *Law*.

CUTTACK, *Ravenshaw College*. B.A., B.Sc., M.A., M.Sc. Principal, and Prof. of *Physics*—G. B. Banerji, M.Sc., Ph.D. Lond. Other Profs.: *Bot.*—B. Samantarai, B.L., M.Sc., Ph.D. Lond., D.I.C. *Chem.*—B. Prasad, D.Sc.

Lond. *Econ.*—K. B. Saha, M.A., Ph.D. *Educ.*—G. K. Mohanty, M.A., Dip. in Ed. Brist. *English*—P. S. Sundaram, B.A. Oxon. *Geog.*—Maulvi M. M. Hassan, M.A., M.Ed. *Hist.*—G. S. Das, B.A. Lond. *Maths.*—B. C. Das, B.A. Lond., M.A. Patna. *Oriya and Sanskrit*—K. K. Kar, M.A., D.Litt. *Pers.*—Maulvi A. Ali, M.A., D.Edn. *Philos.*—G. Misra, M.A. *Zool.*—R. N. Mukherji, M.Sc., Ph.D. 52 other Profs. and Lectrs.

CUTTACK, *Women's College.* B.A. Principal, and Prof. of *Hist.*—Mrs. I. L. Sinha, M.A. Lond. Other Profs.: *Dom. Sci.*—Miss P. Behera, M.A., Dip.H.S. *Econ.*—Miss Mira Aich, M.A. *Logic*—Miss Mukul Raichaudhury, M.A. *Maths.*—Miss Rama De, M.A. *Oriya*—Miss Santilata Behera, M.A. *Sanskrit*—Miss Sova Ray, M.A. *Engl.*—Miss Jayati Bose, M.A. 15 other Lectrs.

CUTTACK, *Stewart Science College.* I.Sc. Principal, and Prof. of *English*—Rev. H. T. Bamfield, B.Sc., Dip.Ed. Birm. Other Profs.: *Chem.*—S. K. Mukherjee, M.Sc., B.L. *Maths.*—S. M. Das, M.Sc. *Physics*—K. N. Ghosal, M.Sc. 3 other Profs.

CUTTACK, *Christ College.* B.A. Principal, and Prof. of *English*—B. Mohanty, M.A., B.L. Other Profs.: *Econ.*—V. Subramanyam, M.A. *Hist.*—N. K. Sahu, M.A. *Maths.*—M. N. Ray, M.A. *Philos.*—S. R. Mukherji, M.A. *Oriya and Sanskrit*—G K. Bramha, M.A. 6 other Lectrs.

CUTTACK, *Sriram Chandra Bhanj Medical College.* M.B., B.S. Principal, and Prof. of *Ophthalmol.*—Lt.-Col. P. Papatla, B.A., M.B., B.S. Madr., D.O.M.S., D.L.O., D.P.H. Lond., F.R.C.S. Edin. Profs.: *Anat.*—R. K. Mohanty, M.B., B.S. *Biochem.*—K. Subrahmanyam, M.Sc. *Med.*—Lt.-Col. K. N. Pisharoty, M.D., D.T.M. *Midwifery*—P. C. Ray, M.B., L.M. Dub. *Physiol.*—S. M. Banerji, M.Sc., M.D. Calc. *Pathol.*—B. Patnaik, B Sc., M.B. Calc., D.P.H. Calc. *Pharmacol.*—K. Venkatachalam. *Surg.*—R. L. Khera, M.B., M.S., F.R.C.S.Ed. 27 other Profs and Lectrs

CUTTACK, *Government Training College.* Dip. in Educn. Principal, and Prof. of *Hist. of Educn.*—B. N. Rath, M.A. Lond., Dip. in Ed. Other Profs.: *Psychol. and Methods of Teaching Geog. and Maths.*—J. Harichandan, M.A. *Methods of Teaching Engl., Mother Tongue, and Principles of Educn.*—R. Senapati, B.A., M.Ed. 1 other Prof.

JAJPUR (CUTTACK), *Narsing Chaudhury College.* I.A. Principal, and Prof. of *English*—K. B. Patnaik, M.A., B.L. Other Lectrs.: *Econ.*—B. C. Guha, M.A. *Maths.*—S. C. Das, M.A. *Oriya*—J. Rath, Sahityacharya, B.O.L. *Logic*—N. C. Goswami, M.A.

JEYPORE (KORAPUT), *Government College.* Principal—R. K. Misra, M.Sc. *Engl.*—N. K. Misra, M.A. *Oriya and Sanskrit*—L. Misra, B.O.L., Vyakaranacharya. *Bot.*—K. I. Varghese, M.Sc. *Maths.*—B. K. Mishra, M.A. *Chem.*—K. M. Senapati, M.Sc. *Physics*—T. Rath, M.Sc. *Logic*—S. K. Nanda, M.A.

PARLAKIMEDI (GANJAM), *Maharaja Krishna Chandra Gajapati College.* B.A., I.Sc. Principal, and Prof. of *Hist.*—J. Mahanty, M.A. Other Profs.: *Agric.*—B. Kamaraju, B.A., B.Sc. (Agr.), B.Ed. *Bot.*—C. M. B. Sankar, M.A. *Econ.*—S. V. Ramaya, M.A. *English*—T. Krishnamurty, M.A. *Hist.*—U. C. Misra, M.A. *Maths.*—P. V. L. Narsing Rao, M.A., L.T. *Physics*—H. K. Patnaik, B.A., B.Ed. *Oriya*—K. C. Misra, M.A. *Philos.*—P. Rath, M.A., M.Ed. *Zool.*—A. K. Das Gupta, M.Sc. *Chem.*—C. S. Murty, M.Sc., B.Ed. 3 other Lectrs.

PURI, *Samanta Chandra Sekhar College.* B.A., I.Sc. Principal, and Prof. of *Sanskrit*—K. M. Dwivedi, M.A. *Maths.*—I. B. Das Gupta, M.A., B.L.

Econ.—M. Mohapatra, M.A. *Engl.*—S. K. Chattopadhyaya, M.A. *Physics*—M. Misra, M.Sc. *Hist.*—R. Kumar Das, M.A. *Logic*—S. Misra, M.A. *Oriya*—Miss Sarala Patra, M.A. *Chem.*—A. K. Banerji, M.Sc. 17 other Profs. and Lectrs.

SAMBALPUR, *Gangadhar Meher College.* B.A., B.Com., I.Sc. Principal—M. Mansing, M.A., Ph.D. Durh. *Chem.*—D. Misra, M.Sc. *Commerce*—P. C. Ray, M.Com. *Econ.*—B. Misra, M.A. *Engl.*—R. Ranganath Rao, M.A. *Maths.*—S. P. Misra, M.Sc. *Oriya*—S. Das, M.A. *Physics*—R. C. Rajguru, M.Sc. *Bot.*—S. Naik, M.Sc. 12 other Profs. and Lectrs.

LANGUAGE DEPARTMENT. Lectrs.: *German*—P. C. Sinha Ray, M.A. *French*—M. J. Dave, M.A., Ph.D., D.Litt. *Spanish*—Father Centurian.

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., the 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 November 23, 1943, and from that date the Utkal University came into being under the Utkal University Act, 1943 (Orissa Act XIII of 1943).

The Utkal University is at present a University with which there are affiliated 16 colleges, of which 9 are First Grade Colleges, 4 Second Grade Colleges, 1 Medical College and 1 Training College. The one Law College, which prepares for the LL.B., is a University College. 147 High Schools recognized by the Director of Public Instruction, Orissa, are permitted to present candidates for the Matriculation examn. of the Univ.

The Univ. has no building of its own as yet. It is now housed in the Burdwan House, Chauliaganj, Cuttack, which has been leased to the Univ. by the Maharajadhiraja of Burdwan, Bengal, free of rent. The Govt. of Orissa has arranged to place the present Govt. House at the disposal of the Univ. for use as its office building when the Govt. moves to the new capital of Orissa at Bhubaneswar.

FACULTIES. Arts, Science, Law, Medicine, Education, Commerce.

ADMISSION to Univ. courses is by Matriculation examn. of the Univ. or by one of the following examns. recognized on a reciprocal basis as equivalent thereto: (1) Board's High School examn. of United Provinces; (2) Higher Secondary School examn. of Osmania Univ.; (3) admission examn. of Banaras Hindu Univ.; (4) S.S.L.C. examn. conducted by the Madras S.S.L.C. Bd.; (5) S.S.L.C. examn. of Andhra Univ.; (6) Senior Cambridge School Certif. examn.; (7) Matriculation examn. or its equivalent, of all other Indian Univs.

STUDENTS' INFORMATION BUREAU. Secretary—S. Mishra, M.A., Ph.D. Lond.

DEGREES. B.A., M.A., B.Sc., M.Sc., B.L., B.O.L. (Oriental degree), M.B., B.S., B.Com. DIPLOMA. Diploma in Education.

LIBRARY. 4600 vols., and 588 Palm-Leaf MSS.

FEES. Per month: Intermediate in Arts, Rs. 6; Intermediate in Science, Rs. 7; B.A., Rs. 7; B.Sc., Rs. 8; B.L., M.A. and M.B., B.S., Rs. 10 each.

PUBLICATIONS. Under preparation.

THE YEAR 1948–49

BENEFACTIONS. Total receipt towards the Foundation Fund Account—Rs. 1,04,714-8-3. Total receipt towards the Endowment Fund Account—Rs. 94,461-8-6.

The Maharaja of Mayurbhanj donated Rs. 80,000 to establish a Chair in Physics in the Ravenshaw Coll. and made a gift of the entire Press and Press bldg. of the State Govt., the estimated value of which is more than Rs. 3,00,000 together with a sum of Rs. 50,000 for the improvement of the Press. The Hon. H. K. Mahatab, Chief Minister of Orissa, donated Rs.25,000 for publication of hitherto unpublished ancient lit. of Orissa.

DEVELOPMENTS. The Jnan Vigyan Parishad constituted by the Senate has been making progress under the guidance of the various cttees. apptd. to bring out a comprehensive Encyclopædia. The Language dept. of the Univ. in French, German and Spanish has been functioning since the beginning of the Academic Session 1948–49. One whole-time lectr. and two pt.-time lectrs. have been apptd. Compilation of a comprehensive History of Orissa is in progress. The Matriculation Board was constituted by the Senate and approved by the Govt. of Orissa as an Authority of the Univ. for conducting the Matricn. Examn. of this Univ. A new chapter regulating the Laws added to the Statutes.

CHANGES IN REGULATIONS. Some important changes in the Statutes of the Univ. were made by the Senate and approved by the Govt. of Orissa in the matter of appt. of the Vice-Chancellor, scales of pay of the Registrar and Asst. Registrar, compulsory registration of Graduate School Teachers and introduction of a school teacher as a member of the Syndicate and of the Academic Council, etc. Some important changes also were made in the Regulations by the Academic Council: Lowering of pass marks in the Matric. and Intermediate Examns. Provision for holding M.A. and M.Sc. Examns. in 2 parts. Prescribing Regns. for Diploma Courses in French, German and Spanish Langs. Introduction of Psychol. and Law as elective subjects at B.A. stage. Introduction of Physical Educn. at the Matric. and Intermediate stages. Introduction of Geog. as a Sci. Subject.

UNIVERSITY COMMISSION. The Indian Univ. Commission apptd. by the Govt. of India, under the Chairmanship of Sir S. Radhakrishnan, M.A., D.Litt., LL.D., F.B.A., Spalding Prof. of Eastern Religions and Ethics at the Univ. of Oxford (at present Indian Ambassador to the Soviet Union), visited the Utkal Univ. in March 1949.

NATIONAL CADET CORPS. After the disbandment of the U.O.T.C. the Govt. of India sanctioned the establishment of a National Cadet Corps in Orissa. The First Orissa Battalion N.C.C., with a Senior Division and nine Junior Divisions, was started in different colls. to give Military Educn. to teachers and students. More than 900 cadets are now receiving training in different centres.

STUDENTS. Total: 5576; full-time: 5354; pt.-time: 222; the total includes 305 women and 50 postgraduates.

DEGREES. B.A. (Pass), 273; B.A. (Hons.), 104; B.Sc. (Pass), 68; B.Sc. (Hons.), 46; B.Com., 19; B.O.L., 1; M.A. (Oriya), 10; M.A. (English), 2; M.A. (Economics), 5; M.A. (Mathematics), 2; M.Sc. (Chemistry), 2; M.B., B.S., 35; LL.B., 79.

THE INDIAN INSTITUTE OF SCIENCE, BANGALORE

Founded 1911

Address—Bangalore 3. *Telegrams*—Science, Bangalore.

VISITOR—THE PRESIDENT OF THE REPUBLIC OF INDIA.

CHAIRMAN OF THE GOVERNING COUNCIL—Sir VITHAL N. CHANDAVARKAR, M.A.

DIRECTOR—Prof. M. S. THACKER, B.Sc (Eng.).

REGISTRAR—A. G. PAI, M.A. Camb.

LIBRARIAN—G. T. KALE, D.Sc.

TEACHING STAFF

Biochemistry

Sreenivasaya, M , B.A. Asst. Prof.
De, S S , D Sc. (Food Technol.) Asst. Prof.
Banerjee, B. N., M.Sc. Lectr.
Giri, K. V., D.Sc. Lectr.
Subramaniam, M. K., D.Sc. Lectr.
Narasimharao, P. L., M.Sc., Ph.D. Lectr.

Chemistry, General

Sanjiva Rao, B., M.A., Ph.D., D.Sc. Lond., F.N.I. Prof. and Hd. of Dept.
Bhattacharya, S. K., D.Sc. Lectr.
Aswathnarayana Rao, M. R., D.Sc. Lectr.
Sastri, M. V. C , M.Sc., Ph.D. Lectr.
Ramachar, T. L., M.Sc., Ph.D. Lectr.

Chemistry, Organic

Guha, P. C., D.Sc., F.N.I. Prof. and Hd. of Dept.
De, N. N., M.B. Asst. Prof.
Iyer, B. H., Ph.D. Lectr.
Muthanna, M. S., Ph.D. Lectr.
Sirsi, M., M.B., B.S. Lectr.

Economics and Social Sciences

Sastry, N. S. N., M.A., D.Litt. Asst. Prof.
Munshi, M. C., M.A. Asst. Prof.

Engineering, Aeronautical

Tierjens, O. G., D Phil. Göttingen Prof. and Hd. of Dept.
Joga Rao, C. V., B.Sc. (Eng.), M.S. Asst. Prof.
Janakiram, G., B.A , B.Sc. Lectr.
Gururajacharya, Y. V., B.E. Lectr.
Lakshminarayana, C. N., B.E. Lectr.
Krishnaswamy, T. N., B.E. Scientific Officer.

Engineering, Chemical

Nandi, S. K., M.Sc. Asst. Prof.
Nagesha Rao, T., B.E. Lectr.

Engineering, Electrical Communication

Sreenivasan, K., B.Sc. Prof. and Hd. of Dept.
Bhatt, N. B., M.Sc., Sc.D. Mass. Inst. Tech., F.I.P. Asst. Prof.
Chatterji, S. K., M.Sc. Lectr.
Basak, H. C., Dipl. Ing. Berlin Lectr.

Engineering, Internal Combustion

Havemann, H. A., Dr. Ing. Brunswick
Prof. and Hd. of Dept.
Krishnamurthy Rao, M. R., B.E.
Asst. Prof.
Mahadevan, K., B.E Lectr.

Foreign Languages

Kale, Mrs. H., Ph.D. Toulouse, T.D. München
Pt.-time Lectr.

Metallurgy

Ramachandran, E. G., M.Sc., Ph.D. Sheff.
Asst. Prof.
Balachandra, J , B Sc , B.E. (Electro-M.)
Lectr.

Physics

Krishnan, R. S., M.A., D.Sc., Ph.D. Camb.
Prof. and Head of Dept.
Ramachandran, G. N., M.A., M.Sc., Ph.D.
Asst. Prof.
Ramanathan, K. G., M.Sc. Lectr.

Power Engineering and Electrical Technology

Thacker, M. S., B.Sc. (Eng.)
Prof. and Hd. of Dept.
Ghosh, C. S., M.Sc , S.M. M.I T. (Electr. Technol.)
Prof.
Ramachandra Rao, H. N., M.Sc.
Asst. Prof.
Narayana Rao, K. R., B.Sc., B E., M.S.
Asst. Prof.
Badkas, D. J., M.Sc Asst. Prof.
Narayana Iyengar, B. N., B.Sc.
Lectr.
Venkata Rao, P., M.Sc. Lectr.
Gopalakrishna, H. V., B.Sc., B.E.
Lectr.

Bureau of Industrial and Statistical Information

Sastry, N. S. N., M.A., D.Litt.
Officer in Charge.

GENERAL INFORMATION

The object of the Institute is to provide for advanced instruction and conduct original investigations in all branches of knowledge and in particular in such branches of knowledge as are likely to promote the material and industrial welfare of India, to establish and maintain Chairs and Lectureships in Science and Arts, to provide suitable libraries, laboratories and equipment, and to co-operate as far as possible with such recognized institutions as exist or are founded in future for cognate objects in India, and to do all such other things as are incidental or conducive to the attainment of the above-noted objects or any of them.

LIBRARY. 39,139 volumes.

TERMS. July–Sept., Oct.–Dec., Jan.–March.

COURSES. *Associateships* are awarded on the recommendation of the Senate for 5 terms devoted entirely to research work ; also for 3 terms *plus* a period of research elsewhere before or after the period spent at the Institute. *Fellowships* may be awarded to Associates who, having spent 5 yrs. in actual practice, produce satisfactory evidence of original and valuable research work, or other contribution to the advancement of scientific or industrial knowledge. *Diplomas* are granted to students who satisfactorily complete the approved course of study. 294 Associateships, 7 Fellowships and 6 Hon. Fellowships have been granted.

FEES. Rs. 144 per session for students admitted to the diploma course. No fee is charged for students engaged in Research work.

RESIDENCE. Students reside in the Hostel (Warden—N. Kunchithapatham, M.A.). Messing charges are from Rs. 50 to Rs. 60 p.m.; rent, lighting and service, Rs. 10 to Rs. 12 p.m.

PUBLICATION. *Journal of the Institute.*

THE YEAR 1948–49

STUDENTS. Full-time: 103, all graduates. Physics, 6: Pure and Appl. Chem., 28; Biochem., 6; Elect. Technol., 19; Elect. Commn. Engin., 23; Aeronautical Eng., 10; Metallurgy, 8; Internal Combustion Engin., 3.

UNIVERSITY OF CEYLON

COLOMBO

Founded 1942

CHANCELLOR—H.E. THE GOVERNOR-GENERAL.

PRO-CHANCELLOR—THE MINISTER OF EDUCATION.

VICE-CHANCELLOR—Sir IVOR JENNINGS, K.C., M.A., LL.B., Litt.D. Camb., LL.D. Lond

REGISTRAR—A. M. K. CUMARASWAMY, B.Sc. Lond.

ASSISTANT REGISTRARS—H. J. BALMOND, B.A. Lond.; S. C. BLOK, B.A. Lond., F.L.A.

LIBRARIAN—R. S. ENRIGHT, B.A. Lond., F.L.A.

ASSISTANT LIBRARIANS—P. KANDIAH, B.A. Lond., M A. Camb.; K. D. SOMADASA, B.A.

DIRECTOR OF PHYSICAL EDUCATION—G BRANT LITTLE.

UNIVERSITY MEDICAL OFFICER—H. M. P. PERERA.

TEACHING STAFF

Agriculture

Livera, E. J., B Sc. (Agr.) Lond. Lectr and Actg Hd. of Dept.

Aiyar, S. P., B.A. Madr., Ph.D. Lond. Lectr.

Anatomy, v. Medicine

Arabic

Imam, A., M.A. Alig., Ph.D. Bonn Lectr. and Hd. of Dept.

Botany

Newman, I. V., M.Sc. Syd., Ph.D. Lond. Prof. and Hd. of Dept.

de Silva, B. L. T., M.Sc. Lond. Lectr.

Abeywickreme, B. A., B.Sc. Lond. Lectr.

Dissanayake, M. D., B.Sc. Asst. Lectr.

Tambiah, M. S., B.Sc. Asst. Lectr.

Chemistry

Kandiah, A., Ph.D., D.Sc. Lond. Prof. and Hd. of Dept.

Fonseka, E. L., M.Sc., Ph.D. Lond. Reader.

de Silva, C. L., B.Sc. Lond. Lectr.

Sultan Bawa, M. U , B Sc. Lond. Lectr.

Devanathan, M A. V., B.Sc. Asst. Lectr.

Ludekens, W. L. W., B.Sc. Asst. Lectr.

Civil Engineering

Pereira, E. O. E., B.Sc. Lond., B.A. Camb. Prof. and Hd. of Dept.

Classics

Rodrigo, J. L. C., B.A. Lond., M.A. Oxon. Prof. and Hd. of Dept.

Amerasinghe, C. W., B.A. Lond., M.A. Camb. Lectr.

Wickremanayake, G. H., B.A. Lond., B.A. Oxon.

Pathmanathan, R., B.A. Oxon. and Ceylon Asst. Lectr.

Economics

Das Gupta, B. B., M.A., Ph.D. Calc., B.Sc. (Econ.) Lond. Prof. and Hd. of Dept.
Jayasuriya, F. R., B.A., B.Sc. (Econ.) Lond. Lectr.
Gunasekera, H. A. de S., B.A., M.Sc. (Econ) Lond. Lectr.
Mukerji, K. P., M.A. Calc., D.Phil. Heidelberg Asst. Lectr.
Sarkar, N. K., M.A. Calc. Asst. Lectr.
Weerawardena, I. D. S., B.A. Asst. Lectr.

Education

Green, T. L., M.A., B.Sc. Bristol Prof. and Hd. of Dept
Arylnandy, K. S., M.Sc. Lond. Lectr.
Nesiah, K., M.A. Madr. Lectr.

English

Ludowyk, E. F. C., B.A. Lond., M.A., Ph.D. Camb. Dean, Fac. of Arts, Prof. and Hd. of Dept.
Passé, H. A., B.A. Lond. Reader.
de Souza, A. T. A., B.A. Lond. Lectr.
Elkin, P. K., B.A. Syd., B Litt. Oxon. Lectr.
de Chickera, E. B., B.A. Lond. Asst. Lectr.

Geography

Nath, V., M.A. Panj., Ph.D. Columbia Lectr.
Kularatnam, K., M.A. Lond. Asst. Lectr.

History

Ray, H. C., M.A. Calc., Ph.D., Litt.D. Lond. Prof. and Hd. of Dept.
LaBrooy, W. J. F., B.A. Lond. Lectr.
Mendis, G. C., B.A., Ph.D. Lond. Lectr.
Pinto, Rev. Fr. S. I., B.A. Lond., M.A. Oxon., B D. Rome Lectr.
Sinha, D. P., B.A. Calc., M.A. Lond. Asst. Lectr.
Vimalananda, T., M.A. Calc. Asst. Lectr.

Law

Soertsz, Sir Francis, K.C., LL.B. Lond Prof. and Hd. of Dept.
Nadaraja, T., B.A. Camb. Lectr.
Alvlip, B., LL B. Lond. 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. Lectr.
Kanagasabapathy, P., B.A. Camb., M.Sc. Lond. Asst. Lectr.

Modern Languages (Western)

Reich, Miss V., Ph.D. Vienna Lectr.

Pali

Malalasekera, M. A., Ph.D., D.Lit. Lond. Prof. and Hd. of Dept.
Jayawickrema, N. A., B.A., Ph.D. Lond. Lectr.
Sarathchandra, E. R. de S., M.A., Ph.D. Lond. Lectr.
Dhirasekera, J. D., B.A. Asst. Lectr.

Philosophy

Murti, T. R. V., M.A., D.Litt. Ban. Prof. and Hd. of Dept.
Mathiaparanam, Miss K., M.A. Madr. Lectr.
Sarkar, A. K., M.A., Ph.D. Patna Lectr.

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.

Physiology and Pharmacology, v. Medicine

Sanskrit

Wijesekera, O. H. de A., M.A., Ph.D. Lond.
Prof and Hd. of Dept.
de Costa, P., B.A Lectr.
Jayasuriya, M. H. F., B.A.
Asst. Lectr.

Sinhalese

Ratnasuriya, M. D., B.A., Ph.D. Lond.
Dean, Fac. of Oriental Studies, Prof. and Hd. of Dept.
Hettiaratchi, D. E., B.A. Lond., M.A., Ph.D. Calc. Lectr.
Ariyapala, M. B., B.A. Lond.
(on leave) Asst. Lectr.
Ratnasuriya, Mrs. D. B. V., B.A. Lond., M.A. Asst. Lectr.
Wijeratne, D. J., B.A. Lond.
Asst. Lectr.
..... Asst. Lectr.

Sociology

Ryan, Bryce, M A. Texas, Ph D. Harv.
Prof. and Hd. of Dept.
Straus, M. A., Ph.D. Wisc. Lectr.

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.
Asst. Lectr.

Veterinary Science

McGaughey, G. A., M.A. Camb., M.Sc. Manc., D.V.S.M. Vict.
Prof. and Hd. of Dept.
Brito-Babapulle, L. A. P., B.Sc. (Vet. Sc.) Lond. Lectr.

Zoology

Fernando, W., B.Sc., Ph.D. Lond.
Prof. and Hd. of Dept.
Kirtisinghe, P., M.Sc. Lond. Lectr.
Crusz, H., B.Sc. Lond.
Asst. Lectr.
Weerakone, A. C. J., B.Sc. Lond.
Asst. Lectr.

Medicine

Anatomy

Chanmugam, P. K., M.Sc. Lond.
Prof. and Hd. of Dept.
Fernand, V. S. V., Ph.D. Lond.
Lectr.
Waas, M. J. (on leave) Lectr.
Kanagasunderam, R.
(on leave) Lectr.
Jayewardene, F. L. W.
(on leave) Lectr.
Wyetunga, H. P. A. Lectr.
Anthonis, P. R., F.R.C.S.
Visiting Demr.
Gunaringhe, P. C. Demr.
Sangakara, K. B. Demr.
Nales, N. A. J. Demr.

Bacteriology

Sturk, K. G. B., Dip. Bact. Manc.
Visiting Lectr.
Mahadera, K. Demr.

Dental Surgery

McKeag, R. H., M.A., M.B., B.Ch., B.A.O , B.Dent.Sc.
Prof. and Hd. of Dept.
Rajasooriya, G. P. D., L.D.S. (Prosthetic D.S.) Lectr.
Kandiah, A., Ph.D., D.Sc. Lond. (D. Metallurgy).
Gunawardena, S., L.D.S. Manc. (D. Metallurgy)
Visiting Lectr.
Balendra, W., L.D.S. (D. Surg. and Pathol.) Visiting Lectr.
Goonewardene, S., L.D.S. Manc., (D. Surg. and Pathol.)
Visiting Lectr.

de Silva, S. S. P. de J., B.D.S. Visiting Lectr.
Dissanayahe, S. B., B.D.S. Asst. Lectr.
Cumarasamy, V., L.D.S. Demr.

Forensic Medicine

de Saram, G. S. W., M.B., B.S. Visiting Lectr.

Medicine

Fernando, P. B., M.B., B.S. Lond., D.T.M. & H. Lond. Prof. and Hd. of Dept.
Thanabalasumderam, R. S., L.M.S. Research Asst.
de Silva, P. C. C., M.D. Lond. (Pædiatrics) Prof.
Cooke, G., M.D. Lond (Systematic Lectures and Ward Classes) Visiting Lectr.
Senewiratne, V. E. P., M.D. Lond., D.T.M. & H. Lond (Tutorials and Ward Classes) Visiting Lectr.
Blaze, J R., M.D. Lond. (Sr. Ward Classes) Visiting Lectr.
Wijerama, E. M., M.D. Lond. (Therapeutics and Intermed. Ward Classes) Visiting Lectr.
Fernando, C. F., M.D. Lond. (Jr. Ward Classes) Visiting Lectr.
Leanage, D. J. T., M.D., D.T M. & H. Lond., F.R.F.P.S. Glas. (Dermatol. and Jr. Ward Classes) Visiting Lectr.
Handy, G. R., M.D., M.B., B.S. Lond. (Tutorials) Visiting Lectr.
de Simon, D. S. (Leprosy) Visiting Lectr.
Josef, B. (Tuberculosis) Visiting Lectr.
Caralasingham, A., D.T.M. & H. Lond. (Infectious Dis.) Visiting Lectr.
Amerasinghe, C. D., D.P.M. Lond. (Psycholog. Med.) Visiting Lectr.
de Zoysa, V. P., M.D. Lond. (Clinical Instr.) Visiting Lectr.

Obstetrics and Gynæcology

Attygalle, N., F.R.C.S., F.R.C.O.G. Lond., D.L.O. Lond. Dean, Fac. of Med., Prof. and Hd. of Dept.
Navaratnam, S. L., F.R.C.S.Ed., F.R.C.O.G. Lond., D.T.M. & H. Lond. Visiting Lectr.
Jayawardene, P. U. Lectr.
Fernando, L. J. E. Obstet. Tutor.
Fernando, E. N Res. Asst.

Parasitology

Sivalingam, V., D.T.M. & H. Lond. Visiting Lectr.
Fernando, I. S. M., L.M.S. Visiting Demr.

Pathology

Karunaratne, W. A. E., M.D. Lond. (Med. and Path.) Prof. and Hd. of Dept.
Cooray, G. H., M.D., B.S. Lond., D.T.M. & H. Lond. Lectr.
Kanakaratne, Miss D., M.B., B.S. Lectr.
Gunasekera, N. D., M.B., Ch.M. Edin. Lectr.
Tennalcom, G. E., L.M.S. Lectr.
Chapman, T. E. D., M.B., B.S. Lectr.
Senenratne, R. D., M.D. Lond., L.M.S. Visiting Lectr.
Attygalle, D. J., L.M.S. Demr.
De Bond, R. P., L.M.S. Demr.

Physiology and Pharmacology

Cullumbine, H., M.D., Ch.B., M.Sc. Sheff. Prof. and Hd. of Dept.
Baptist, N. G., B.Sc., Ph.D. Lond. (Biochem.) Lectr.
Koch, A. C. E. (on leave) Lectr.
Pinto, C. F. X. (Pharmacy) Visiting Lectr.
Bibile, S. W. (Physiol., Pharmacol. and Biochem.) (on leave) Lectr.
Watson, R. S. S., M.B., B.S. (on leave) Lectr.
Basnayake, V., M.B., B.S. Lectr.

Kottegode, S. R., M.B., B.S. Lectr.
Wickramanayake, T. W., M.B., B.S. Lectr.
Jayasekera, H. T. W., M.B., B.S. Demr.
Jansz, H. D. W., L.M.S. Demr.
Fernando, P. T. A. P., M.B., B.S. Demr.

Public Health

Abhayaratre, O. E. R., D.P.H. Harv., D.P.H. Edin., L.M.S. Prof. and Hd. of Dept.

Surgery

Paul, Milroy, M.S. Lond., F.R.C.S. (on leave) Prof. and Hd. of Dept.
Jayasuriya, J. H. F., F.R.C.S. (Systematic Lectures, Tutorials, Ward Classes) Visiting Lectr.
Rajasingham, A. S., F.R.C.S. (Inter. Ward Classes and Tutorials) Visiting Lectr.
Sinnetamby, G. S., F.R.C.S. (Jr. and Inter. Ward Classes) Visiting Lectr.
Anthonis, P. R., F.R.C.S. (Sr. Ward Classes) Visiting Lectr.
Peiris, M. V. P., M.B., B.S. Lond., F.R.C.S. (Operative S. and Inter. Ward Classes) Visiting Lectr.
Gunewardena, H. O., M.B., B.S. Lond., D.M.R.E. Camb. (Radiol. and Electro-Therapeutics) Visiting Lectr.
de Silva, L. M., D.T.M. & H., D.A. (Anæsthetics) Visiting Lectr.
Lucas, A., D.T.M. & H. (Anæsthetics) Visiting Lectr.
Balendra, W., L.D.S. (Dental S.) Visiting Lectr.
Gunewardena, H. C. P., F.R.C.S. (Venereal Dis. and Otol., Laryngol., Rhinol.) Visiting Lectr.
Dadabhoy, J., D.O.M.S. Lond. (Ophthalmol.) Visiting Lectr.
Bartholomeusz, L. N., F.R.C.S. (Clin. Instr., Systematic Lectures, Pre-Clin. Classes) Visiting Lectr.
Austin, L. D. C., F.R.C.S (Clin. Instr., Tutorials, Pre-Clin. Classes) Visiting Lectr
Jayasekera, K. G., F.R.C.S. (Clin. Instr.) Visiting Lectr.

GENERAL INFORMATION

The University was founded in 1942 by the incorporation of the Ceylon University College, established in 1921, and the Ceylon Medical College, established 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. 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.

LIBRARIES. The main Library contains 60,000 vols., but there are sectional libraries attached to the laboratories. The University makes a grant to the Ceylon Medical Library, which is used as the Library of the Faculty of Medicine. LABORATORIES. Science Labs. in Thurstan Road (moving to Peradeniya in 1954; Medical Labs. in Kynsey Road; 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. Oriental Studies, Prof. M. D. Ratnasuriya; Arts,

Prof. E. F. C. Ludowyk; Science, Prof. A. W. Mailvaganam; Medicine, Prof. N. Attygalle.

ADMISSION. The Preliminary Examn. is combined with the Higher School Certificate Examn. and is held annually in December. Candidates must have passed the Ceylon Senior School Certificate Examn. or its equivalent.

DEGREE COURSES. B.A. and B.Sc., 3 or 4 yrs. according to type and subject: Section A (General), 3 yrs.; Section B (Specialist), 4 yrs. except in Tamil, Econ. and Philos. In most cases the 4-yr. period may be reduced to 3 yrs. if sanctioned by Dean. 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, 3 yrs. each, the medium of instruction being Sinhalese and Tamil respectively. Medicine and Surgery, 1 yr. D.T.M. and H., 6 mos.

CERTIFICATES. Ceylon History, 1 yr.

FEES. There are no tuition, examination or degree fees for students domiciled or normally resident in Ceylon. For others the tuition fees are: Arts, Rs. 150; Science, Rs. 225; Medicine, Rs. 525. Every student pays a registration fee of Rs. 25 p.a.

SCHOLARSHIPS FOR GRADUATES. Two in each Faculty (except Medicine) awarded each year for two yrs., value Rs. 600 p.a., on the results of the Final examinations. Hilda Obeyesekere Scholarships are available for graduates of other Univs.

HOSTELS. For men: Union Hostel (Warden: Prof. M. D. Ratnasuriya), Rs. 197 per term; University Christian Hostel (Warden: Dr. G. C. Mendis), Rs. 197 per term; Aquinas Hall (Catholic) (Warden: Rev. Father K. Weerakody), Rs. 197 per term; Grasmere Hall (Warden: Prof. P. K. Chanmugam), Rs. 210 per term. For women: University Women's Hostel (Warden: Miss K. Mathiaparanam), Rs. 197 per term.

THE YEAR 1948–49

BENEFACTIONS. Widow of late N. Nadarajah, K.C., Law Library of 2750 vols. Ceylon Turf Club, Rs. 10,000 for Fac. of Agric., bringing total to Rs. 60,000. F. R. Senanayake Trust, Rs. 15,000 for scholps. Lady Panabokke, Rs. 12,000 for scholps. Mrs. S. Tambyah and Gate Mudaliyar E. Peiris, Rs. 2750 each for prizes. Anon., Portrait of Lord Soulbury by Oswald Birley.

NEW BUILDINGS. New labs. in Thurstan Road completed. Extension to Anatomy bldg., Arts bldg. and 3 Halls of Residence in Peradeniya in course of erection.

NEW DEPARTMENTS AND POSTS. Chair of Animal Husbandry created. Readerships in Law, History and Pathol. Lectureships in Physiol., Pathol., Anat., Vet. Anat., History, Educn.

OTHER DEVELOPMENTS. Postgraduate courses in Educn. begun. *Students' Guide to University Education in Ceylon* published. *Ceylon Journal of Science (Medical Section)* converted into *Ceylon Journal of Medical Science.*

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Sir Ivor Jennings, Waynflete Lectures at Magdalen Coll., Oxford: "The Commonwealth in Asia." Lectures on Constitutions of India and Ceylon at Madras and Banaras. Prof. Milroy Paul, Hunterian Lecture at Royal College of Surgeons. Prof. G. P. Malalasekera, Lectures on Theravada Buddhism at Hawaii.

RETIREMENTS. Prof. F. H. V. Gulasekharam (Maths.); Prof. Betty Heimann (Sanskrit).

RESIGNATIONS. Prof. J. H. G. Lebon; Dr. P. Dayal.

HONORARY DEGREES. Pandit Jawaharlal Nehru, Prime Minister of India; E. Bevin, Sec. of State for Foreign Affairs; L. B. Pearson, Sec. of State for External Affairs, Canada; P. J. Noel-Baker, Sec. of State for Commonwealth Relations.

STUDENTS. Total: 1844, all full-time, including 318 women and 41 post-graduates.

DEGREES (1949). B.A., 105; B.Sc., 45; M.B., B.S., 53.

THE UNIVERSITIES OF PAKISTAN

PAKISTAN came into existence on August 15, 1947. It naturally inherited the methods and system of University Education which were prevalent in India before partition. Three Universities—those of the Panjab, Sind and Dacca—were situated in the territories which now form Pakistan. Of these the oldest is the University of the Panjab, whereas the Sind University came into existence in 1947 by an Act of the Legislative Assembly of Sind, the first meeting of the Senate being held on June 24, after the announcement of the plan for the partition of India. The partition affected the other two Universities in various ways Eastern Panjab, which became a part of the Dominion of India, is no longer within the territorial jurisdiction of the University of the Panjab; with the migration of such teachers, officials and students as preferred to go to the East Panjab, the personnel of the University was considerably changed. It had also to face, like every other University in Pakistan but to a much greater degree, the problem of the influx of a large number of refugee students and teachers from the Dominion of India. The University of Dacca had hitherto been a unitary and teaching University; it had now, however, to adapt itself to the changed circumstances, because the territories of Eastern Pakistan inherited a number of institutions which had been situated away from Dacca and affiliated to the University of Calcutta. Hence the University of Dacca, while retaining its own teaching arrangements, affiliated such institutions, and became, like the sister University of the Panjab, both teaching and affiliating.

THE NATURE OF PAKISTAN UNIVERSITIES. The directly administered territories of Pakistan cover an area of 235,000 square miles. In addition, there are a number of States which have acceded to the Dominion. The population of Pakistan is over seventy millions. This vast territory is served, at present, by only three Universities. It is obvious that these Universities cannot bear the entire burden of higher education. Hence there are affiliated Colleges situated in the more important towns. The institutions must conform to standards prescribed by the Universities and are under their general supervision. The Universities conduct the examinations which qualify candidates for various degrees. The Panjab University has a strong, central teaching section, which supplements the teaching organized by the local Colleges partly on a co-operative basis. All higher teaching at Dacca is done directly by the University. The University of Sind is tending to develop on lines of its own distinct requirements.

STATE AID AND CONTROL. The Universities of the Panjab and Dacca were incorporated by Acts of the pre-partition Central Indian Legislature, and the Sind University, as has been mentioned before, by an Act of the Provincial Legislature. All these Universities receive generous grants-in-aid from their respective provincial Governments; they are,

however, self-governing and legal corporations, managing their affairs in accordance with their own statutes and regulations. There are certain matters in which the provincial Government has some authority, but these are strictly limited in their scope, and are intended only to safeguard public interests.

THE INTER-UNIVERSITY BOARD. For the purpose of discussing problems which affect the Universities in general and also for the exchange of views on inter-University relations, a body representing the three Universities and the Central Government has been established which meets at least once a year. Secretary, c/o Registrar, Univ. of Dacca, Ramna, Dacca, East Bengal, Pakistan.

ADMISSION AND COURSES OF STUDY. Students are admitted to the Intermediate classes in Arts or Science after passing the Matriculation Examination of a Pakistan University or an examination recognized equivalent thereto; they receive education in some affiliated College for two years when they pass their Intermediate Examination. After doing so they read for their degree, which they take in two or three years. The Master's degree can be obtained by one or two years' further study and an examination. The duration of courses of study leading to technical or professional degrees varies considerably according to the subject and in the various Universities. Research degrees are awarded by all the Universities. The Panjab University has a separate College for Oriental learning and awards special degrees.

RESIDENCE. Satisfactory arrangements are available in all the Universities and most of the Colleges for residence.

FEES AND COST OF LIVING. There are different fees for various courses and the cost of living varies from Rs. 50 p.m. in Dacca to Rs. 60 p.m. in Karachi and Lahore.

(*Note.* 1 Rupee = 2s. 2d. approximately.)

REORIENTATION. The Educational Conference organized by the Ministry of Education in the Central Government of Pakistan has made a number of recommendations and the newly constituted Inter-University and Central Advisory Boards are examining anew the requirements of Pakistan in the realm of University education. The Universities themselves are busy in evolving plans of development and adaptation to the new needs of national education. It is intended not only to expand the scope of the activities of the existing Universities and to intensify their efforts by creating better standards, but also to found new Universities in some areas.

Note

The arrangement of Oriental names in the directory sections has been adopted for convenience of reference and for indexing purposes.

UNIVERSITY OF DACCA

Founded 1921

Address—Ramna, Dacca, East Bengal.

VISITOR—H.E. THE GOVERNOR-GENERAL OF PAKISTAN.
CHANCELLOR—H.E. THE GOVERNOR OF EAST BENGAL.
VICE-CHANCELLOR—S. M. HOSSAIN, M A., D.Phil. Oxon., LL.D.
TREASURER—SULTAN UDDIN AHMAD, M A., B.L.
REGISTRAR—A. H. TALUKDAR, M.A. Lond and Dacca.
ASSISTANT REGISTRAR—K. C. CHOWDHURY, B A.
CONTROLLER OF EXAMINATIONS—M. A. HOSAIN, M.A.
ASSISTANT CONTROLLER—M. A. RAHIM, B.A.
SUPERNUMERARY OFFICER FOR LIBRARY—M. RAY, M.A., B.L.

TEACHING STAFF

Arabic and Islamic Studies

..... Prof.
Huq, S., M.A., Ph.D. Lond. Reader.*
Aziz, Abdul, M.A. Lectr.
Subham, A., M A. Alig., B.Litt. Oxon.
Rahim, S. A., M.A., B.L., B.T.
Ishaq, Md., M.A., Ph.D.
Rahman, K. M. A., M.A., B.T.
Al-Masumi, S. H., M.A.
Hossain, S. U. M. V.

Bengali

..... Prof.
Bose, G. C., M.A. Reader.*
Shahidullah, Md., M.A., B.L., D Litt. Supernumerary Teacher.
Bhaduri, B. R., M.A. Lectr.
Ahsan Ali, S. A. H., M.A. Lectr.
Pal, H. N., M.A. Lectr.
Hai, Abdul, M.A. Lectr.
Taheruddin, A. M., M.A.
1 Pt.-time Lectr.

Biology

.....
Ahmed, M., Ph.D.

Lecturers
Shafiq, S. A., M.Sc.
Khan, R., M.Sc.
Islam, A. S., M.Sc
Yosufzai, H. K., M.Sc , Ph.D.
Badiuzzaman, M.Sc
Haque, A , M.Sc.
Ahmed, K. A., M.Sc.
Kamal, M., M.Sc.
Ali, S. B., M.Sc.
Siddiqui, A. A.
Ali, S. M. A., M.Sc.
1 Lab. Asst.

Chemistry

Zernike, J., D.Sc. Prof.*
Khundkar, H. M. Reader.
..... Reader.

Lecturers
Rahman, H., M.Sc. (Biochemistry).
Jabbar, A., M.Sc. (Physiology).

* Head of Department.

Chakravarty, N. C., M.B. (Physiology).
Sarma, J. C., M.Sc.
De, S. C., D.Sc.
Bannerjee, P. C., Ph.D.
Bhuyan, A. M., M Sc.
Huq, A. K. M. S., M.Sc.
Ahmed, K., Ph.D.
Latif, A., M Sc.
Bhuyan, A. S. M. N. H , M.Sc.
De, H. N., M.Sc., Ph.D.
Ahmed, M., Ph.D.
1 Pt.-time Lectr., 2 Lab. Assts.

Commerce

..... Prof.
..... Reader.*
Safiullah, M., M.A.
(on leave) Lectr.
Siddique, M. R., M.A.
Ganguli, C., M.A.
Ray, G. D., M A.
Khan, M. A., M.Com.
Guha, J. L., M.A.
Khan, M. M.
2 Pt.-time Lectrs.

Economics

..... Prof.
Ayyar, S. V., M A. Reader.*
Hossain, Atwar, M.Sc. Lond.
Reader.
Huda, M. N., Ph.D. Reader.
Huq, M., M.A. (on leave) Lectr.
Hussain, Md., M.A. Lectr.
Mukherjee, K. C., M.A.
Haque, T., M.A.
Barai, B., M.A.
Mahmood, A. N. M., M.A.
Ahmad, S., M.A.

English

Stock, A. G., M.A. Oxon. Prof.*
Ray, S. N., M.A. Calc., Ph.D. Lond. Reader.

Lecturers

Bose, Miss Charupama, M.A.
Ashraf, Ali, M.A. (on leave).
Gomes, R. A., M.A.
Hussain, S. S., M.A.
Chakravarty, A. B., M.A.
Khan, S. M., M.A.
Guha Thakurta, J. G., M.A.

Geography

Ahmad, N., M.A. Reader.*
Hamid Rzvi, A. I.
Ahsan, Z., M.Sc.

Geology

..... Reader.
Latif, A. Lectr.

History

Halim, A., M.A., Ph.D. Prof.*
Chakravarty, P. C , M A., Ph.D. Lond. Reader.
Sayieed, A. F. M , M.A.
Rahim, M. A., M.A.
Kabir, Mafizullah, M A.
Bhattacharyya, S. C., M.A.
Mazaharuddin, M A.

International Relations

Chakravorty, P. C., Ph.D.
Reader.*

Lecturers

Nurus Safa, M., M.A.
Choudhury, G. W., M.A.
Hakim, M., M.A.
1 Pt.-time Lectr.

Islamic History and Culture

Habibullah, A. B. M., Ph.D.
Reader.*

Lecturers

Mohiyy-Ud-Din, A. H. M.
Miah, Shamiruddin, M.A.

Law

Siddique, N. U. A., M.A., B.L., LL.D. Prof.*
Momen, N., B.L. (on study leave)
Lectr.
Sarker, U. C., M.L. Lectr.
7 Pt.-time Lectrs.

Mathematics

Pinl, M., Dr.Phil. Prof.
Banerjee, D. P., D.Sc.
(Offg.) Reader.

* Head of Department.

Datta, H. N.
Supernumerary Teacher.
Maniruzzaman, A. N. M., M.A.
Lectr.
Khalifa, A. R., M.A.
Hussain, Q. M., M.A.
1 Pt.-time Lectr.

Persian and Urdu

Shadani, W. H. A., M.A., Ph.D.
Prof.*
Azad, S. M. Z. H., B A. Lectr.
Huda, M. Z., M.A. Lectr.
Chaudhury, F. A., M.A. Lectr.
Hasrat Nomani, S. M. A. Q., M.A.
Siddiqui, A. A., Ph.D.
Ahmad, M.
Subzari, S., M.A.
1 Pt-time Lectr.

Philosophy

Ray, B. N., M.A , Ph.D.
Reader (Actg. Hd. of Dept.).
Bhattacharyya, B., M.A., Ph.D.
Lectr.
Jilani, G , M A. Lectr.
Basak, N., M.A Lectr.
Halder, M. K., Ph.D. Lond.
2 Pt.-time Lectrs.

Physics

..... Prof.
Mitra, S. M., D.Sc. Reader.*
Choudhury, A. M., M.Sc., Ph.D.
Reader.
Ali, Innus, M.Sc., M.E.E. New York.
Mukherjee, S. S., M.Sc. Lectr.
Mukherjee, S. K., M.Sc. Lectr.
Mitra, P. K., M.Sc. Lectr.
Biswas, S. C., M.Sc. Lectr.
Karim, M., Ph.D. Lectr.
Quasem, A., M.Sc. Lectr.
Choudhry, K. D., M.Sc. Lectr.
Nasimuddin, M.Sc.
Erteza, A., M.Sc.
1 Asst. to the Prof., 1 Pt.-time Lectr.

Political Science

..... Prof.
Sen, A. K., M.A. Reader.*

Lecturers

Ray, N. R., M.A.
Razzaq, A., M.A. (on leave).
Choudhury, M. A., M.A.
Rahman, M., M.A.
Pal, K. C., M.A.
Mahmood, K., M.A.
Islam, A. K. M. W.
1 Pt-time Lectr.

Sanskrit

..... Prof.
Hazra, R. C., M.A., Ph.D.
Temp. Reader and Hd. of Dept.

Soil Science

Ghani, M. O., Ph.D. Prof.
Shamsuzzoha, M.Sc. Lectr.
Karim, A., M.Sc. Lectr.
Bazlul Karim, A. Q. M., Ph.D.
Fazlul Huq, A. K. M., M.Sc.
Haider, S. Z., M.Sc.
3 Demrs.

COLLEGES AFFILIATED TO THE UNIVERSITY

BAKARGANJ (CHAKHAR), *Fazlul Haq College.*
BARISAL, *Brojmohan College.*
BARISAL, *Latif Islamic Inter. College.*
BOGRA, *Azizul Haq College.*
CHITTAGONG, *Chittagong College.*
CHITTAGONG, *Chittagong Islamic Inter. College.*
CHITTAGONG (ALDARAN), *Government College of Commerce.*
CHITTAGONG (KANANGOPARA), *Sir Asutosh College.*
DACCA (MANIKGANJ), *Dabendra College.*

* Head of Dept.

DACCA, *Dacca College.*
DACCA, *Dacca Islamic Intermediate College.*
DACCA, *Eden College.*
DACCA (MUNSHIGANJ), *Haraganga College.*
DACCA, *Imperial Salimullah Intermediate College.*
DACCA, *Jagannath College.*
DACCA (NARAYANGANJ), *Seth Tolaram Girls' College.*
DINAJPUR, *Surendranath College.*
FARIDPUR, *Ragendra College.*
FARIDPUR (RAMDIA), *Sri Krishna College.*
JESSORE, *Jessore Michael Madhusudan College.*
JESSORE (MAGURA), *Shaheed Suhrawardy Islamic Intermediate College.*
JESSORE (NARAIL), *Victoria College.*
KHULNA (DAULATPUR), *Brojlal Hindu Academy.*
KHULNA (BAGERHAT), *Praphulla Chandra College.*
KHULNA, *Ragendra Kumar Girls' College.*
KHULNA (SARHIRA), *Satkhira College.*
KUSHTIA, *Kushtia College.*
MYMENSINGH, *Anandamohan College.*
MYMENSINGH, *Dhanbari College.*
MYMENSINGH (BHAIRAB), *Haji Asmat College.*
MYMENSINGH (JAMALPUR), *Asheq Mahmud College.*
MYMENSINGH (KARATIA), *Saadat College.*
MYMENSINGH (KISHORGANJ), *Gurudayal College.*
MYMENSINGH (TANGAIL), *Kumudini College.*
MYMENSINGH, *Nasirabad Islamic Intermediate College.*
NOAKHALI, *Chaumohini College.*
NOAKHALI, *Feni College.*
PABNA, *Edward College.*
RAJSHAHI (MANAKASHA), *Fazlul Haq Adina College.*
RAJSHAHI, *Rajshahi College.*
RANGPUR (ALAMNAGAR), *Carmichael College.*
RANGPUR, *Gaibandha College.*
SERAJGANJ, *Islamic Intermediate College.*
SERAJGANJ, *Serajganj College.*
SYLHET (HABIBGANJ), *Brindaban College.*
SYLHET, *Madan Mohan College.*
SYLHET, *Murarichand College.*
SYLHET, *Sunamganj College.*
SYLHET, *Women's College.*
TIPPERA, *Brahmanbaria College.*
TIPPERA, *Chandpur College.*
TIPPERA, *Srikail College.*
TIPPERA (COMILLA), *Victoria College.*
TIPPERA (PASCHIMGAON), *Nawab Faizunnesa Islamic Intermediate College.*

GENERAL INFORMATION

This Univ. was established in 1921 under an Act of 1920, which provides for the constitution of Faculties of Arts, Science, Law, Agriculture, Medicine and Engineering. Special attention is devoted to Islamic Studies and to the needs of the Musalman community, but the Univ. is open to all, without distinction of sex, race, creed or class. It was originally a unitary and residential Univ., with a constitution resembling in many respects that of the modern English Universities. But with the advent of Pakistan in 1947 it became an affiliating University also, assuming control over all Colleges (about 53 in number) in East Bengal. The authorities of the Univ. include a Court, an Executive Council, an Academic Council, and Faculties; and the Teaching Staff has the main responsibility for all matters connected with teaching and examns. The students (other than those living under specially approved conditions) reside in Halls and Hostels, and the Univ. teachers in houses erected for them, in the Univ. domain. The domain consists of about a square mile of fine parkland, including over 100 acres of playing-fields. It is adjacent to the Civil Station of Dacca and to a park called the Ramna, and lies from 1 to 1½ miles north-west from the centre of Dacca City. It is provided with electric light and power.

The chief bldgs. for teaching and administrative purposes include: Central bldgs., containing about 50 rooms (area 30,000 sq. ft.) used for classrooms and Library; Chemical and Physical Laboratories (area 26,500 sq. ft.), Biology and Soil Science Laboratories (area 12,000 sq. ft.); Curzon Hall (which accommodates about 2000 persons); Dacca Hall, residence for 160 students; Salimullah Muslim Hall for 400 students; Fazlul Huq Muslim Hall for 250 students. Additional temporary Residence (Kachha Pacca structures) for 500 students, Jagannath Hall having been abandoned owing to fall in number of non-Muslim students in the University.

LIBRARY, 99,195 vols., and about 23,440 MSS. in Sanskrit, Bengali, Urdu, Persian, and Arabic. Annual Library grant, Rs. 30,000. The University MSS. Committee (Bengali and Sanskrit Section) have already collected *c.* 23,000 valuable Sanskrit and Bengali MSS. The Arabic, Persian, Urdu, and Punthi MSS. Committee have collected 440 rare and valuable MSS.

LABORATORIES. Physical, with metal and wood workshops; Chemical, with special arrangements for training in commercial analytic methods; Psychological, Biological and Soil Science.

FACULTIES. Arts, Science, Law, Agriculture, Medicine and Engineering.

ADMISSION. The standard required for admission to courses leading to degrees is that of the Intermediate examn. of an Indian Univ.

DEGREES, ETC. The duration of the courses of studies prescribed is as follows: for B.A. or B.Sc. ordinary, 2 yrs., with Honours, 3 yrs.; M.A. or M.Sc., 2 yrs., or in the case of a Dacca Honours B.A. or B.Sc., 1 yr.; B.T., 1 yr.; M.T., 3 yrs.; B.Com., 2 yrs.; B.L., 3 yrs. (All M.A. and Dacca Honours B.A., 2 yrs.); M.L., 3 yrs. The Ph.D., D.Litt., D.Sc., or D.L. are open to graduates of 3 yrs.' standing, but graduates of other Univs. must pursue researches in this Univ. for 2 yrs.; published research work required.

SCHOLARSHIPS open to graduates: 3 of Rs. 40 each p.m., 2 of Rs. 30 each p.m. and 9 of Rs. 16 each p.m. with exemption from tuition and examination fees, of which one is for depressed classes and one for women students, 3 of Rs. 30 each p.m. for scheduled castes (of which one is for women students), and 7 of Rs. 30 each p.m. for Muslims (of which one is for women students only). Research studentships: 10 of Rs. 65 each p.m.

FEES. Tuition, per session: for Adib, Rs. 84; B.A. (Pass), Adib-i-Kamil and B.Com., Rs. 120; B.A. Hons., B.Sc. (Pass), and LL.B., Rs. 144; M.A. and M.Com., Rs. 180; M.Sc., Rs. 204; Registration, Rs. 4; Admission, Rs. 5; Athletic, Rs. 5; Students' Union, Rs. 3-8; Registration Fee for Research students, Rs. 10; Enrolment of Registered Graduates, Rs. 5; Enrolment of Registered Graduates for Life, Rs. 25. HOSTELS: Seat-rent varies from Rs. 4 to Rs. 6-8-0 p m., including cost of light, water, medical attendance, medicine, and servants. Cost of food about Rs. 30 p.m.

TUTORIAL CLASSES have been organized for all the Depts. of Study. All the teachers of the Univ. are engaged in this work under the control of the Heads of the Depts. and the Provosts.

PUBLICATIONS. *Prospectus* (December); *Annual Report* (November); *Bulletins*; *Calendar*.

THE YEAR 1948–49

NEW DEPARTMENTS. The Dept. of Soil Science has been separated from the Dept. of Chemistry and has been placed under a separate Head. The Univ. is contemplating further extension by the separation of the Dept. of Statistics from the Dept. of Mathematics.

OTHER DEVELOPMENTS. The following new courses of studies have been introduced: Postgraduate course in Botany; Postgraduate course in Commerce; Hons. and Postgraduate courses in Statistics; B.A. and B.Sc. (Pass) courses in Geog.; Graduate and Postgraduate courses in Islamic Hist. and Culture; B.Sc. (Pass) course in Geol.; two Dipl. Courses in Urdu, called Adib and Adib-i-Kamil; Dipl. Courses in French and Chinese; B.Sc. Pass course in Zool.

STUDENTS (in the Univ.), full-time: 2019, including 1196 graduates; (in the affiliated Colleges): 22,142.

DEGREES. B.A. (Pass), 358; B.A. (Hons.), 62; M.A., 104; B.Com., 111; B.L. (Jan. 1949), 26; B.Sc. (Pass), 198; B.Sc. (Hons.), 14; M.Sc., 29; B.Sc. (Agriculture), 34; B.Ag., 22; B.T., 85; Survey Final, 5; Veterinary Examn., 18; Diploma Examn. in Engineering, 23; Final M.B., B.S., 12; B.Sc. in Engineering, Part I, 38.

THE UNIVERSITY OF THE PANJAB
LAHORE

Founded 1882

PATRON—H.E. THE GOVERNOR-GENERAL OF PAKISTAN.
CHANCELLOR—H.E. THE GOVERNOR OF THE WEST PANJAB.
VICE-CHANCELLOR—OMAR HAYAT MALIK, M A , M.Sc., Ph.D , LL.D.
REGISTRAR—Captain M. BASHIR, B.Sc. Edin.

TEACHING STAFF

[(U.) = maintained entirely by the Univ.]

Dean of University Instruction—O. H. Malik, M.A., LL D., M.Sc., Ph.D.

Arabic
Inayatullah, D., M.A., Ph.D. Hd. of Dept. (U.).

Arts and Crafts
Ahmad, Mrs. Anna M. Hd. of Dept.

Astronomy
Hamid, S. A., M.A. Camb. Curator.

Botany
Khan, S. A. Lodhi, M.Sc. Cornell Hd. of Dept. (U.).
Bunning, E. Prof. (U).

Chemistry and Technical Chemistry
Bhatnagar, Sir B. S., O.B.E., D.Sc., F.Inst.P. Prof. Emeritus.
Duncliff, H. B., C.I.E., M.A. Camb., Sc.D. Dub., F.R.I.C. Prof. Emeritus.
Ahmad, B., M.Sc., Ph.D. Lond. Director, Inst. of Chem.
Ahmad, N., D.Sc. Munich Director of Inst. of Tech. Chem.
Speers, P. C., M.Sc. (Tech. Chem.) Prof.

Economics
Akthar, S. M., M.A., Ph.D. Lond. Reader and Hd. of Dept.

Geography
Ahmed, K. S., M.A. Alig., Ph.D. Lond. Reader and Hd. of Dept. (U.).

German
Bunning, E. Prof. and Hd. of Dept. (U.).

History
Hussain, D., M.A. Camb. Prof. and Hd. of Dept.

Islamiyyat
Allama, S. A., M.A., LL.B. Hon. Hd. of Dept.

Journalism
Qayyum, A., M.A. Hd. of Dept.

Mathematics
Zia-ud-Din, M. A., Ph.D. Wales Hon. Hd. of Dept.

Persian
Shustry, M. A. Hd. of Dept

Pharmaceutics
Rabbani, M., M.D. Reader and Hd. of Dept.

Physical Training
..... Director.

Shams-ud-Din, Mrs. E., M.A., D.T.
Directress.

Physics

Majid, A. M., M.Sc., Ph.D. Lond.
Hd. of Dept. (U.).

Political Science

Akhtar, S. M., M.A., Ph.D. Lond.
Hon. Hd. of Dept. (U.).

Statistics

Zia-ud-Din, M.A., Ph.D. Wales
Reader and Hd. of Dept (U.).

Urdu

Abdullah, S. M., M.A., Ph.D.

Zoology

Bhatti, H. Khan, M.Sc., Ph.D. Camb.
Reader and Hd. of Dept.

ADMINISTRATIVE STAFF

Deputy Registrar (Admin.), B. A. Shaikh, M.Sc. Deputy Registrar (Examns.), M. A. Mohy-ud-Din, B.A. Asst. Registrar (Conduct) and in charge of Univ. Press, M. Afzal, M.A. Asst. Registrar (General), S. A. Khan, M.A. Asst. Registrar (Examns.), S. S. Haider, M.A. Asst. Registrar (Accounts), S. S. Mohammad. Univ. Engineer, S. N. R. Chisti. Estate Officer, S. I. Hussain.

University Colleges

Oriental College, Lahore. Principal, and Reader in Persian—M. A. Shustri. M.A. courses in Arabic, Persian and Urdu; M.O.L. in all subjects, provision of research facilities for Ph.D. degree.

Law College, Lahore. Principal—A. Q. Malik, B.A. Courses up to LL.M.

Hailey College of Commerce, Lahore. Principal—M. Hassan, M.A. Courses up to M.Com.

TECHNICAL COLLEGES IN LAHORE AFFILIATED TO THE UNIVERSITY, MAINTAINED BY THE GOVERNMENT OF THE WEST PANJAB

Engineering

Lahore, *Panjab College of Engineering and Technology*. B.Sc. (Eng., Civil, Mech. and Elect.). Principal—S. D. Muzaffar, M.Sc., Ph.D.

Medicine

Lahore, *K.E. Medical College*. M.Sc.—Physiol., M.B., B.S., M.D., M.S., D.L.O. Principal—Lt.-Col. E. Bakhsh, M.B., M.Ch., F.R.C.S.Ed.

Dentistry

Lahore, *de Montmorency College of Dentistry* (Govt.). B.D.S. Principal—A. Haq, M.B., B.S., B.D.S.

Veterinary Science

Lahore, *Panjab Veterinary College*. B.V.Sc. Principal—Major S. M. Sarwar, M.B.E.

Teaching

Lahore, *Central Training College*. B.T. Principal—B. A. Hashmi, M.A., M.Ed.

Lahore, *Islamia College for Women*. B.T. Principal—Mrs. S. A. Khan, M.A., M.O.L., LL.B.

LAHORE, *Lady Maclagan Training College for Women.* B.T. Principal—Miss Saeeda Begum, M.A., B.T.

TECHNICAL COLLEGES OUTSIDE LAHORE AFFILIATED TO THE UNIVERSITY

LYALLPUR, *Agricultural College* (Govt.). B.Sc. (Ag.), M.Sc. (Ag.). Research Depts. in Ag., Bot., Chem., Zool. and Entomol. Principal—M. A. Khan, B.Sc.Agr. Edin.

PESHAWAR, *Islamia College.* B.Sc. (Ag.). Prof. of Ag.—M. M. Ahmad, B.Sc.Agric. Edin.

AFFILIATED COLLEGES RECOGNIZED IN DEGREE OR DIPLOMA COURSES

B.A., M.A., etc.—A., As., B., Ch., E., Ec., F., Geog., G., H., Hi., M., Mil., Min., P., Pb., Ph., Pol. Sc., Ps., Psych., S., Tech. Ch., U., Z. = Affiliated up to B.A., M.A., etc., in Arabic, Astronomy, Botany, Chemistry, English, Economics, French, Geography, Geology, History, Hindi, Maths., Military Science, Mineral., Persian, Panjabi, Philos., Pol. Science, Physics, Psychol., Sanskrit, Technical Chemistry, Urdu and Zoology.

Arts and Science

ABBOTTABAD, *Govt. College.* B.A.—E., M., P., A., Ec., H., Pol. Sc., Civ. Principal—.....

BAHAWALPUR, *Sadiq Egerton College.* M.A.—M., E.; B.A.—A., E., M. (A and B Courses), P., Th., Ec., U., Hi., A., P. Principal—E. Dickenson.

CAMPBELLPUR, *Govt. College.* B.A.—E., H., Ph., Ec., M. (A and B Courses), A., P., S., U., Hi., Pb. Principal—S. A. E. Khan, M.A.

DERA ISMAIL KHAN, *V.B. Govt. College.* B.A.—E., M. (A Course), Hi., P., Ph., Pol. Sc., S., Sc., U. Principal—F. M. Khan, M.Sc., LL.B., B.T.

D. G. KHAN, *Govt. College.* B.A.—E., Ec., Ph., Geog., H., Pol. Sc., M. (A and B Courses), S., A., P., U., Hi. Principal—Kh. G. Abbas, M.A.

GUJRANWALA, *Islamia College.* B.A.—A., E., Ec., Geog., H., Hi., M., P., Ph., U. Principal—M. A. Hassan.

GUJRAT, *Zamindar College.* B.A. and B.Sc.—E., P., S., A., M., Ec., Ph., Pol. Sc., H., U., Pb., Hi., Ps., C. Principal—Taj Mohammad Khyal.

JHANG, *Govt. College.* B.A.—A., E., Ec., Geog., H., M., P., Ph., Pol. Sc., U. Principal—H. Khan, M.A.

LAHORE, *Lahore College for Women.* M.A.—E.; B.A. and B.Sc.—A., B., Ch., E., Geog., H., Hi., M., P., Pb., Ph., Pol. Sc., S., U. Principal—Mrs. Lall, M.A.

LAHORE, *Dyal Singh College.* M.A.—Ec., H., M., P., Ph., Pol. Sc., E., S., U.; B.A. and B.Sc.—E., S., P., M., H., Ec., Ph., As., Pol. Sc., U., Hi., Ph., Ps. Principal—A. A. Abid, M.A., LL.B.

LAHORE, *Forman Christian College.* M.A. and M.Sc.—E., Ec., H., M., Pol. Sc., Psych., Ch.; B.A. and B.Sc.—E., S., A., P., Ph., M., H., Ec., As., Pol. Sc., Geog., Hi., U., Pb., F., Ps., Ch., Tech. Ch., B. Principal—Rev. C. H. Ribs, M.A., Ph.D.

LAHORE, *Government College.* M.A. and M.Sc.—A., Ch., E., Ec., H., M., Ph., U., Pol. Sc., Ps., Psych., S., Z.; B.A. and B.Sc.—E., A., P., H., Ph., Ec., As., F., Pol. Sc., Geog., U., Hi., Ps., Ch., B., Z. Offg. Principal—U. Karamet, M.A. Camb.

LAHORE, *Islamia College.* M.A.—Ec., H., M., P., Ph., Pol. Sc.; U., B.A. and B.Sc.—A., P., H., Ph., M., Ec., As., Pol. Sc., Geog., U., Ps., Ch. Principal—M. D. Taseer, M.A., Ph.D. Camb.

LAHORE, *Islamia College for Women.* M.A.—A.; B.A.—A., E., Ec., H., M., P., Ph., Pol. Sc., Geog., U. Principal—Mrs. S. A. Khan, M.A., M.O.L., LL.B.

LAHORE, *Kinnaird College for Women.* B.A.—E., Ec., Geog., H., Hi., M., P., Pb., Ph., Pol. Sc., S., U., As. Principal—Miss I. T. McNair, M.A. Glas.

LAHORE, *M.A.O. College.* B.A.—A., E., Ec., H., M., P., Ph., Pol. Sc., U. Principal—D. Hussain, M.A.

LAHORE, *Talim-ul-Islam College.* B.A.—A., E., H., M. (A and B Courses), P., Pol. Sc., S., U. Principal—M. N. Ahmad, M.A. Oxon.

LYALLPUR, *Government College.* B.A. and B.Sc.—A., Ch., E., Ec., H., Hi., M. (A and B Courses), Mil., P., Pb., Ph., Pol. Sc., Ps., S., U. Principal—Ahmad Mukhtar, M.A., Ph.D.

LYALLPUR, *Government College for Women.* B.A.—E., H., Pol. Sc., M. (A and B Courses), Geog., S., P., Ec., U., Hi., Pb. Principal—Miss I. Sims, M.A.

LYALLPUR, *Islamia College.* B.A.—A., E., Ec., H., M., P., Ph., Pol. Sc., U. Principal—.....

MONTGOMERY, *Govt. College.* B.A.—E., M., H., Ec., Ph., Geog., Pol. Sc., S., A., P., U., Hi., Pb. Principal—.....

MULTAN, *Emerson College.* B.A.—E., Ec., H., Hi., M. (A and B Courses), Pb., Ph., U., Geog. Principal—S. A. Shah, M.A.

MULTAN, *Govt. College for Women.* B.A.—A., E., Ec., Geog., H., M., P., Pb., Pol. Sc., U. Principal—.....

PESHAWAR, *Edwards College.* M.A.—H.; B.A.—E., Hi., M., Ec., Ph., U., H., P., A., S., Pol. Sc. Principal—.....

PESHAWAR, *Islamia College.* M.A.—E., M., P.; B.A. and B.Sc.—B., Ch., E., Mil., Ps., Z., M. (A and B Courses), A., P., H., Ec., Ph., Geog., Pol. Sc., U., Pashto. Principal—A. C. T. Brotherton, M.A. Edin.

QUETTA, *Govt. College.* B.A.—E., Ph., H., Pol. Sc., Ec., A., P., U., M., Geog. Principal—K. M. Sarwar.

RAWALPINDI, *Gordon College.* M.A.—E.; B.A. and B.Sc.—A., E., Ec., H., Hi., M., P., Pb., Ph., Pol. Sc., S., U., B., Ch., Ps., As., F., Z., Mil. Principal—R. R. Stewart, M.A., Ph.D. Columbia.

RAWALPINDI, *Govt. College.* B.A. and B.Sc.—E., M., H., Ec., Pol. Sc., Ph., Geog., Ps., A., P., Ch., U. Principal—.....

SARGODHA, *de Montmorency College.* B.A.—A., E., Ec., H., Hi., M., P., Pb., S., U., Geog., Ph. Principal—M. A. Makhdumi, M.A. Leeds.

SIALKOT, *Murray College.* M.A.—Ph., E.; B.A.—A., E., H., Hi., M. (A and B Courses), P., Ph., Pol. Sc., U., S., Pb. Principal—D. Leslie Scott, M.A., B.D. Edin.

GENERAL INFORMATION

Established in 1882, the University confined its activities, until 1919, mainly to examinations, the control of affiliated institutions and the provision of instruction in its Oriental and Law Colleges. It has since 1919 undertaken the maintenance of Univ. teaching Depts. for Postgraduate instruction and research and co-ordination of advanced teaching. Honours Schools have been established in Botany, Zool., Chem. and Physics and postgraduate teaching is provided in Econ., Arabic, Sanskrit, Statistics, Persian, Maths., Hist., Polit. Sci. and Geog. Besides the Univ. Profs. and Readers and Lecturers, senior teachers of the local Colleges are associated with the Univ. teaching. Three Honours Papers have been instituted in English, Maths., Econ., Philos., Hist., Sanskrit, Arabic, Persian, Geog., Zool. and Psychol. The University also maintains Colleges of Commerce, Law and Oriental studies.

Univ. Classes are also held in Statistics, Journalism, German, Pharmacy, Music and Arts and Crafts. Steps are being taken to introduce instruction in Asiatic languages such as Russian, Chinese, Japanese, etc., and to institute a Diploma in Librarianship and degree of Master of Education.

CONSTITUTION. The Univ. is governed by a private non-sectarian 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 November each year by the Senate and the various Faculties. The Vice-Chancellor acts as Chairman and the Director of Public Instruction, Panjab, attends the Syndicate as an *ex-officio* member.

LIBRARY, 133,227 vols., including MSS. (arranged on Dewey Decimal system); Hon. Librarian, S. M. Abdullah, M.A., Ph.D.; also Departmental and Seminar LIBRARIES.

MUSEUMS AND LABORATORIES. The Univ. maintains a well-equipped Institute of Chemistry and Laboratory of Chemical Technology, besides Kayshap Research Institute in Botany and Physics. There are Bot. and Zool. Labs. also in the Govt. Coll., which the Univ. shares. Depts. of Bot. and Zool. have museums.

FACULTIES AND DEANS. Oriental, Dr. A. Waheed; Law, Hon. Chief Justice; Arts, Dr. C. H. Rice; Medicine, Lt.-Col. S. M. K. Mallick; Science, Dr. B. Ahmad; Agriculture, Dr. Khan A. Rehman; Commerce, Dr. A. Waheed; Engineering, Dr. N. Ahmad; Dentistry, Dr. M. Abdul Haq; Vet. Science, S. M. A. Shah; Education, K. B. Mohd. Sharif.

DEGREES. B.A., M.A., Ph.D., D.Litt.; B.Com., M.Com.; B.Sc., M.Sc., Ph.D., D.Sc.; B.Sc.Eng., M.Sc.Tech.; B.Sc. (Agr.), M.Sc. (Agr.); LL.B., LL.M., LL.D.; M.B., B.S., M.S., M.D., D.L.O., B.Pharm., B.D.S.; M.D.S., B.V.S.; B.T.; (in Oriental Learning) B.O.L., M.O.L., Ph.D., D.O.L.

DIPLOMAS. Fine Arts, Journalism, Domestic Science, Commercial Arts (postgraduate), Librarianship, Public Health. CERTIFICATE. Statistics.

In the Faculty of Oriental Learning a 2 yrs.' course from Matricn. leads to an Interm. examn., and further courses of 2 yrs., 1 yr. and 2 yrs. to the B.O.L., M.O.L. and D.O.L. successively. Examns. are also held for Proficiency, High Proficiency and Honours in Arabic, Sanskrit and Persian. Honours admit to the Oriental titles: Maulvi Fazil (Arabic), Shastri (Sanskrit) and Munshi Fazil (Persian); High Proficiency to Maulvi Alam, Visharada and Munshi Alim; and Proficiency to Maulvi. Similar examns. are held in Urdu, Hindi, Panjabi (in Gurmukhi and Persian Script) and Pashto.

RECOGNITION OF EXAMINATIONS OF OTHER INSTITUTIONS. Examns. of

other approved Universities are recognized by the Syndicate Academic Council.

THE UNIVERSITY FOREIGN INFORMATION BUREAU. The Bureau advises and helps students who go abroad for advanced studies. Sec., Kazi S. Ahmad, M.A., Ph.D. Lond.

RESIDENCE. Undergraduates in Lahore Colleges, unless living with their guardians, are ordinarily required to reside in College hostels or in hostels recognized by the Univ.

GRANTS TO COLLEGES. Grants are given by the Univ. to Mofussil Colleges for carrying on research work, and to the Colleges affiliated up to the M.A. standard for library books required for use by M.A. students.

EXTENSION LECTURES. Extension lectures by eminent scholars are arranged by the Univ. at Lahore and Mofussil Colleges.

ENDOWMENTS AND SCHOLARSHIPS. There are 70 Endowment Funds for the award of prizes, medals and scholarships to the students. In addition, there are numerous University scholarships: 80 for the Matricn. examn.; 40 for the Intermediate examn.; and 23 scholarships in various subjects tenable for 2 to 4 yrs.—Indo-Oriental Studies, Hist., Sanskrit, Pali or Prahrit, Arabic, Panjabi, Science, Physics and Maths. A postgraduate State scholarship open to graduates of the Univ. between 21 and 25 yrs. of age for study in a recognized Univ. in the United Kingdom. Three studentships (Rs. 100 each) in the Oriental, Arts and Science Facs. Open to Muslim students from foreign countries.

PUBLICATIONS. *Kashir* (2 vols.), Rs. 40; *Calendar* (2 vols.), Rs. 6; *Gazette* (monthly), Rs. 4.

THE YEAR 1949–50

VISIT OF TEACHER FROM OTHER UNIVERSITY. Prof. E. Brunner (Zürich): "The Problem of Freedom," and "The Problem of Justice."

UNIVERSITY EXTENSION. Extension lectures by eminent scholars were arranged by the University at Lahore and Mofussil Colleges.

OTHER DEVELOPMENTS. Academic postgraduate Diploma in Public Health, and Diploma in Tuberculous Diseases instituted. Possibility of a four-, instead of three-, yr. course for B.Com. Examn. is being investigated.

HONORARY DEGREES. *LL.D.*—Hon. Ghulam Mohammad, Pakistan Minister of Finance; Dr. Cyril James, Vice-Chancellor of McGill Univ.; *D.Sc.*—Dr. A. H. Compton, Chancellor of Washington Univ.; *D.Litt.*—H.E. Md. Allouba Pasha, Egyptian Ambassador in Pakistan; H.M. Md. Reza Shah Pehlvi, the Shahinshah of Iran. *D.O.L.* (posthumously)—Shaikh-ul-Islam Allama Shabir Ahmad Usmani.

STUDENTS. Total: 34,025. No pt.-time students.

DEGREES, ETC. B.A., 636; B.A. (Hons.), 29; B.Sc., 68; B.Sc. (Hons.), 14; M.A., 117; M.Sc., 7; M.Sc. (Hons.), 15; Ph.D., 3; B.Com., 27; B.T., 150; F.E.L., 78; LL.B., 53; B.Sc. Engineering (Mech., Elect. and Civil), 49; B.Sc. (Agr.), 92; M.B., B.S., 78; B.D.S., 1; B.V.Sc., 1. Diploma in Journalism, 37; Certificate in Statistics, 37.

UNIVERSITY OF SIND
KARACHI

Founded 1947

CHANCELLOR—H.E. THE GOVERNOR OF SIND.
PRO-CHANCELLOR—THE PREMIER OF SIND.
VICE-CHANCELLOR—Lt.-Col. A. B. A. HALEEM, B.A. Oxon.
REGISTRAR—K. S. AGHA TAJ MOHAMMAD, B.A. Bom., B.T. Alig.
DEPUTY REGISTRAR—MOHAMMAD HUSAIN, M.A. Sind.
OFFICE SUPERINTENDENT—S. M. NAJMUDDIN, M.A.
LIBRARIAN—A. MOID, B.A. Alig., D.Lib. Calc. and Delhi.

AFFILIATED INSTITUTIONS RECOGNIZED IN DEGREE COURSES

The Colleges affiliated to this University represent all the Faculties, as mentioned below :

Arts

Dean—Hon. S. M. M. Shah.

HYDERABAD, *Muslim Girls Arts College.* Intermediate Arts.
HYDERABAD, *Sind Govt. Arts College.* M.A.
KARACHI, *B.A.A. Govt. College of Commerce.* B.Com.
KARACHI, *Govt. S.T. College.* B.T.
KARACHI, *Islamia College.* M.A., Ph.D.
KARACHI, *Sind Muslim College.* M.A., Ph.D.
KARACHI, *St. Joseph's Convent College for Women.* B.A.
SHIKARPUR, *C. and S. Govt. College.* M.A.

Science

Dean—M. B. Pithawalla, B.A., D.Sc.

HYDERABAD, *Sind Govt. Arts College.* Intermediate.
KARACHI, *D.J. Sind Govt. Science College.* M.Sc.
KARACHI, *Sind Muslim College.* Intermediate.
SHIKARPUR, *C. and S. Govt. College.* Intermediate.

Medicine

Dean—Lt.-Col. A. K. M. Khan, F.R.C.S.

KARACHI, *Dow Medical College.* M.B., B.S.

Law

Dean—Hon. Justice H. B. Tyabji, M.A.

HYDERABAD, *Sind Law College.* LL.B.
KARACHI, *Sind Muslim Law College.* LL.M.

Technology

Dean—A. M. Shaikh, M.Sc., Ph.D.

KARACHI, *N.E.D. Engineering College.* B.E.

SAKRAND, *King George V. Institute of Agriculture.* M.Sc.Agri.

Religious Studies

Dean—Al-Haj Maulvi Syed Ali Akbar Shah.

Facilities exist in all the Arts and Science Colleges.

GENERAL INFORMATION

The idea of a separate University for Sind was first broached in the year 1886, when the then Principal of the D.J. Sind College, Karachi, foretold a time when the province would need a separate University to serve its distinctive cultural needs. The idea was based on the fact that Sind, though connected administratively with Bombay for a long time, was a distinct cultural unit, with a language and literature of its own, and with distinctive economic and geographical features. The idea lay dormant until, in 1934, the Government of India appointed a committee to consider the administrative requirements of Sind as a separate province in view of the coming autonomy which was to be an important feature of the Government of India Act of 1935. This committee, presided over by Sir Hugh Dow, emphasized the necessity of cultural autonomy for Sind as an inevitable sequel to political autonomy. The idea suffered many vicissitudes until in 1940 the autonomous Government of Sind appointed the Sind University Committee with comprehensive terms of reference to go into the entire problem of a separate University. The Report of the Committee, which was issued in 1941, covered the entire field of organizational and academic issues involved. But action on the Report was delayed by several causes, till a regular Bill for the creation of a separate University for Sind was introduced in the local legislature in 1945, and passed finally into an Act in the year 1947. The appointment of the Vice-Chancellor was made in April, and that of the Registrar in June 1947; the first nominated Senate met on June 24, 1947.

COURSES. The University is, for the present, an affiliating and examining Univ. and teaching work is done by the different Colls. Religious Education and Military Training are among the subjects of importance to which the Univ. authorities have paid special attention.

RESEARCH. Schemes for taking over all postgraduate teaching and research under the direct control of the Univ. are under consideration. A start has already been made by establishing the dept. of Sindhology, which is designed to organize extensive research work in the History, Literature, Language, Folklore, Economic conditions and material resources of the Province of Sind.

A FOREIGN UNIVERSITIES' BUREAU OF INFORMATION has already been set up, and it has been in a position from April 1948 to guide all students in Western Pakistan who desire to study in the Universities of U.K. and U.S.A.

LIBRARY. Considerable sums have been, and will be, spent by the Univ. on enlarging the Library.

DEGREES. *Arts*—B.A. (Pass and Hons.); B.Com.; B.T.; M.A.; Ph.D. *Science*—B.Sc. (Pass and Hons.); M.Sc. *Law*—LL.B.; LL.M. *Medicine*—M.B., B.S.; M.D., M.S. *Technology*—B.E.; B.Sc. (Agri.); M.Sc. (Agri.).

RECOGNITION OF EXAMINATIONS OF OTHER UNIVERSITIES. Examns. of all statutory Univs., in both Bharat and Pakistan, are recognized for the purpose of admission.

UNIVERSITY SESSION. The academic year is divided into 2 terms. The first begins on June 20 and ends on Oct. 10. The second begins on Nov. 10 and ends on Mar. 10.

RECREATION. The University Board of Sports organizes the Univ.'s sports activities. Inter-Collegiate sports and Inter-Univ. Tournaments are arranged each year. Individual Colls. also provide facilities for indoor and outdoor games.

THE YEAR 1948–49

The first Convocation of the Univ. was held on Aug. 31, 1949, when the address was delivered by Hon. Liaquat Ali Khan, Prime Minister of Pakistan. Future Convocations will be held annually in August.

EXTRA-MURAL WORK. Extension lectures were delivered by Sir Eugen Millington-Drake ; H.E.Dr. Issa Siddiqi, Senator and ex-Minister of Education, Iran.

RETIREMENT. Prof. B. J. Vaswani, Dy. Registrar (Academic).

STUDENTS. Total : 3298 ; full-time : 2746 ; pt.-time : 552 ; the total includes 274 postgraduates and 244 women.

DEGREES. B.A. (Pass), 64 ; B.A. (General), 30 ; B.A. (Hons.), 40 ; B.Com., 11 ; M.A., 31 ; B.T., 8 ; LL.B., 27 ; B.Sc., 35 ; B.Sc. (Agric.), 1 ; B.E., 11 ; M.B., B.S., 2.

COLONIES

UNIVERSITY OF HONG KONG

Founded 1911

PATRON—H.M. THE KING.

CHANCELLOR—H E. THE GOVERNOR OF HONG KONG.

VICE-CHANCELLOR—Col. LINDSAY RIDE, C.B.E., B.Ch., M A., D M. Oxon.

REGISTRAR—B. MELLOR, M.A. Oxon., Dip.Ed.

BURSARS—Messrs. PEAT, MARWICK, MITCHELL & Co.

LIBRARIAN—.....

TEACHING STAFF

Anæsthetics

Ozorio, H. L., D. (Obs.), D.A., M.B., B.S. Pt.-time Lectr.

Anatomy

Banfill, S. M., M.B.E., B.A. Bishop's, M.D., C.M. McG. Prof.

Anderton, Mrs. E., M.B., B.S. Calcutta Technician Tutor.

Lee, R. H. S., M.B., B.S., D.L.O. Pt.-time Lectr.

Cheng, S. Y., M.B., B.S. Pt.-time Lectr.

Pang, William, B. S., M.D. Women's Christian Med. Coll. Demr.

Lee, Marjorie M. C., M.B. West China Union Demr.

Bacteriology

Hwang, C. T., M.D. Lingnan Jr. Lectr.

Loke, K. T., M.B., B.S. Pt.-time Lectr.

Biology [Lectr.

Johnston, Mrs. E., B.Sc. Lond.

Chiu, Miss B. T., B.Sc. Lond. Jr. Lectr.

Ng, C. S., B.Sc. Soochow Demr.

Chen, Spring, B.Sc., Ph.D. Lond. Demr.

Chan, Ada, B.Sc. Lingnan Demr.

Chemistry

Driver, J. E., M.A. Camb., Ph.D., M.Sc. Lond., F.R.I.C. Prof.

Collins, Mrs. D. A., M.Sc. Liv. Lectr.

Collins, E., M.A. Camb., F.R.I.C. Pt.-time Lectr.

Hui, W. H , B.A. Demr.

Chung, Mrs. Ada, B.A. Demr.

Yu, P. C., B.A. Demr.

Chinese

..... Prof.

Ho, K. C , L. ès Sc. Nat. Brussels Temp. Lectr.

Chan, K. P., O.B.E., B.A. Jr. Lectr.

Clinical Pathology

Duck, E. F., M.B., B.Ch. Lond., D.P.H., D.T.M. & H. Pt.-time Lectr.

Grimms, A. E. P. Pt.-time Demr.

Economics and Political Science

Robertson, R., M.A. Edin. Prof.

Kirby, E. S., B.Sc. Econ., Ph.D. Lond. Lectr.

Mansfield, Rev. Fr. M., S.J., M.A. N.U.I. Jr. Lectr.

Engineering

Redmond, F. A., B.Sc. Lond., D.I.C., F.G.S. Prof.
King, S. Y., Ph.D. Lond., D.I.C., B.Sc. Lectr.
Hui, C. Y., B.Sc. Demr.
Leung, K. W., B.Sc. Demr.
..... Workshop Instr.

English

Simpson, R. K. M., M.C., M.A. Edin. Prof.
Birch, B. G., M.A. Brist. Reader.
Oblitas, R , M.A., Cert.Ed. Camb. Jr. Lectr. and Tutor.
Mather, Miss C. M., M.A. Camb. Jr. Lectr. and Tutor.
Yu, Miss M. S., Ph.B. Marquette, B.A. Jr. Lectr. and Tutor.

Ethics

She, Rev. G., M.A. Oxon. Pt.-time Lectr.

French

Marty, Madame Pt.-time Lectr.

Geography

Davis, S. G., Ph.D., M.Sc. Lond , F.G.S. Pt.-time Lectr.

History

Endacott, G. B., M.A., B.Litt. Oxon., B.A. Lond. Lectr.
She, Mrs. D., B.A. Manc. Pt.-time Lectr.

Hydraulics

Wu, K. C., M.Sc. Lond., B.Sc., D.I.C. Pt.-time Lectr.

Infectious Diseases

Yeoh, G. E., M.B., B.S. Pt.-time Lectr.

Logic

Cronin, Rev. Fr., S.J. Pt.-time Lectr.

Materials

Li, F. K., M.Sc., Ph.D. Mass. I.T. Pt.-time Lectr.

Mathematics

Wong, Y. C., Ph.D., D.Sc. Lond. Prof.
Hui, C. S., M.Sc. Harv., B.Sc., D.I.C. Tutor.

Medical Jurisprudence

Coombes, A. H. R., D.T.M. & H. Pt.-time Lectr.

Medicine

McFadzean, A. J. S., M.B., Ch.B. Glas. Prof.
Chang, S., M.D. Peking Temp. Lectr.
Choa, G., M.B., B.S. Jr. Lectr.

Obstetrics and Gynæcology

King, Gordon, F.R.C.S., F.R.C.O.G. Prof.
Chun, Miss D. W. C., M.B., B.S., F.R.C.S.Ed. Lectr.
Banting, Lady H. E., M.A., M.D. Toronto Jr. Lectr.

Ophthalmology

..... Pt.-time Lectr.

Oto-Rhino-Laryngology

Laing, D., D.L.O., F.R.C.S.Ed., M.B., B.S. Pt.-time Lectr.

Pædiatrics

Lee, H. L., D.C.H., M.B., B.S. Pt.-time Lectr.

Pathology

Hou, P. C., M.D. Union Med. Coll., Peking Prof.
Skinsnes, O. K., M.D., Ph.D. Chicago Pt.-time Lectr.
Teoh, T. B., M.B., B.S. Demr.
Wu, T. W., M.D. West China Union Demr.
Tang, Elizabeth K. H., M.B., B.S. Lond. Demr.

Pharmacy

Mahon, T. P. Pt.-time Lectr.

Philosophy

Bentley, Margaret, B.A. Oxon., B.A. Pt.-time Lectr.

Physics

Davies, D. F., M.A. Oxon. Prof.

Lee, S. K., B.Sc. Sun Yat-sen, M.Sc. Lingnan Pt.-time Lectr.
Un, P., B.Sc. Jr. Lectr.
Hui, P. M., B.A. Demr.
Ling, Miss C. P., B.Sc Nanyang Demr.
Wong, T. S., B.Sc. Demr.
Ip, H. H , B.Sc. Demr.

Physiology

Ride, L. T , C.B.E., B.Ch., M.A., D.M. Oxon. Prof.
Gould, D. W., D.T.M. & H. Lectr.
Driver, Mrs. A. F. M., M.A. Camb. Jr. Lectr.
Huang, J. J., M.D. Peking Union Med. Coll. Demr.
Jiang, S. S., M.B., B.S. Tung Tsi Med. Coll. Demr.
Liang, C. C., B.Sc. Nat. Tsing Hua Demr.

Psychology

Tsao, J. C., B.Sc., Ph.D. Camb. Lectr.

Surgery

Stock, F. E., M.B., B.S., F.R.S.C., D.T.M. & H. Edin. Prof.
Mao, W. C., M.B., B.S., F.R.C.S.Ed., F.R F.P.S. Glas. Lectr.
Gray, J. F., M.Ch., F.R.C.S., F.A.C.S. Pt -time Lectr.
Kwan, S. Y., M.B., M.S. Pt -time Lectr.

Venereal Diseases

Cheung, K. L., M.B., B.S. Pt.-time Lectr.

GENERAL INFORMATION

The supreme governing body of the University 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 Government officials and Chinese members of the Legislative Council, the Deans of the Faculties, two representatives of the commercial community and two additional members approved by the Chancellor. The Senate, which deals with academic matters, is composed of the Vice-Chancellor, the Director of Education, and the Professors and Readers.

Most of the Univ. bldgs. have been rehabilitated after the destruction consequent upon the occupation by Japanese, and many new staff recruited. Re-equipping is still a major problem.

FACULTIES. Medicine: Dean—Prof. S. M. Banfill; Engineering: Dean—Prof. F. A. Redmond; Arts: Dean—Prof. R. K. M. Simpson; Science: Dean—Prof. D. F. Davies.

HOSTELS. For men: Lugard Hall: Warden—R. Oblitas; Eliot Hall: Warden—Dr. S. G. Davis; May Hall: Warden—G. B. Endacott; Morrison Hall: Warden—Rev. S. Withers Green; Ricci Hall: Warden—Rev. Fr. F. Cronin, S.J.; St. John's Hall: Warden—Rev. G. She. For women: a temporary hostel: Asst. Warden—Miss M. Yu. Residence is compulsory for men.

THE YEAR 1949–50

NEW BUILDINGS. The Duncan Sloss School of Engineering and Architecture opened March 1, 1950.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. W. Simon (London); Prof. G. Haloun (Cambridge); Prof. E. D. Edwards (London); Prof. R. E. Turner (Yale); F. J. Daniels (London).

RETIREMENTS. F. C. Weller (Workshop Instructor); Mrs. M. E. Ring (Librarian); Mrs. J. E. Faid (Lectr. in Mathematics).

DEATH. Prof. J. K. Rideout.

STUDENTS. Total: 638; internal: 629; external: 9; the total includes 179 women and 1 postgraduate.

DEGREES. M.B., B.S., 14; M.S., 1.

UNIVERSITY OF MALAYA

Founded 1949

Address—University of Malaya, Singapore.
Telephone—Singapore 5373.

CHANCELLOR—The Rt. Hon. MALCOLM MACDONALD, P.C., M.A., LL.D.

PRO-CHANCELLORS—Sir HENRY L. G. GURNEY, K.C.M.G.; Sir FRANKLIN C. GIMSON, K.C.M.G.; DATO ONN BIN JA'AFAR; Sir HAN HOE LIM, C.B.E., M.B., Ch.B.

CHAIRMAN OF THE COUNCIL—DATO SIR ROLAND BRADDELL, M.A., F.R.S.A.

VICE-CHANCELLOR—GEORGE V. ALLEN, C.B.E., M.D., B.Ch., B A.O., D.T.M.

REGISTRAR—WILLIAM D CRAIG, B.L. Glas.

BURSAR—WILLIAM G. MCINTOSH.

TEACHING STAFF

Anatomy

Ellis, A. R., M.B., Ch.B. N.Z. Prof.
Thambipillai, V., L.M.S. Lectr.
Chang, K. S. F., M.Sc., Ph.D. Lectr.

Biochemistry

Lugg, J. W. H., D.Sc. W. Aust., Ph.D. Lond., F.R.I.C., D.I.C. Prof.
Oliveiro, C. J., L.M.S. Sr. Lectr.
Leong, P. C., Ph.D. Camb., Dip.Sc. Lectr.

Botany

Holttum, R. E., M.A. Camb. Prof.

Chemistry

Robinson, R. A., Ph.D. Birm., D.Sc. Birm. and N.Z., F.R.I.C., F.N.Z.I.C. Prof.
Kiang, A. K., B.Sc. Lond., Dip.Sc. Lectr.

Economics

Silcock, T. H., M.A., D.Phil. Oxon., F.S.S. Prof.
Lim, T. B., B.A. Camb. and Lond., Dip.A. Lectr.
You, Poh Seng, B.Sc. (Econ.), Ph.D. Lond. (Statistics) Lectr.
Bieda, K., M.A. Aberd. Asst. Lectr.

Education

Mason, F., M.A. Camb. Prof.

English

..... Prof.
Morrell, R. C. R., M.A. Camb. Lectr.
Evans, E. C., B.A. Wales and Oxon. Asst. Lectr.

Geography

Dobby, E. H. G., B.A., Ph.D. Lond. Prof.
Fryer, D. W., M.Sc. Lond. Lectr.
Ho, R., B.A. Asst. Lectr.

History

Parkinson, C. N., M.A. Camb., Ph.D. Lond. Prof.
Harrison, B., M.A. Dub. Sr. Lectr.

Stokes, E. T., M.A. Camb. Lectr.
Macgregor, I. A., B.A. Camb. Asst. Lectr.

Mathematics

Oppenheim, A., B.A. Oxon., Ph.D. Chicago (Maths.) Hd. of Dept., Prof.
Cooke, J. C., M.A. Oxon. (Appl. Maths) Prof.
Price, D. J., B.Sc., Ph.D. Lond. Lectr.

Pathology

..... Prof.
Subrahmanyam, C., L.M.S. (Actg. Hd. of Dept.) Lectr.
Balasingham, T, L.M.S. Lectr.
Shanmugaratnam, K., L.M.S. Asst. Lectr.

Physics

Alexander, N. S., M.Sc. N.Z., Ph.D. Camb. Prof.
Webb, C. G., B.Sc. Lond. Lectr.
Hon, Y. S., Dip.Sc., B.Sc. Lond. Lectr.

Physiology

MacGregor, R. G. S., M.A., D.M., B.Ch. Oxon. Prof.
Wadsworth, G. R., M.B., Ch.B. Liv. Lectr.
Lee, T. S., Dip.Sc. Lectr.
Toh, C. C., Dip.Sc. Asst. Lectr.

Zoology

Purchon, R. D., B.Sc., Ph.D. Brist. Prof.

Medicine

Anaesthetics

Hopkin, D. A. B., M.D., B.S., D.T.M. and H. Lond., D.A. Pt-time Lectr.

Bacteriology

Sen, N. K., M.B., B.S. Calc., Dip.Bact. Lond. Prof.
Lim, K. A., B.Sc., M.B., Ch.B. Asst. Lectr.

Dermatology

Greenwood, K., M.B., B.S. Lond. Pt.-time Lectr.

Infectious Diseases

Monteiro, E. S., F.R.F.P.S. Glas., D.C.H. Lond., L.M.S. Pt.-time Lectr.

Materia Medica and Pharmacy

Caldwell, A. F., B.Pharm. Lond. Sr. Lectr.
Hanam, J., Dip.Pharm. Asst. Lectr.

Medical Jurisprudence

Da Silva, L. S., L.M.S. Pt.-time Lectr.

Medicine

Ransome, G. A., F.R.C.P. Prof.
Danaraj, T. J., M.D., L.M.S. Tutor.

Medicine, Clinical

Monteiro, E. S., F.R.F.P.S. Glas., D.C.H. Lond., L.M.S. Prof.
Khoo, O. T, L.M.S. Tutor.

Midwifery and Gynæcology

..... Prof.
Sheares, B. H., L.M.S. (Actg. Hd. of Dept.) Lectr.
Kwong, C. T., L.M.S. Tutor.
Oon, C. S., L.M.S. Tutor.

Ophthalmology

Williamson, A. D., M.B., Ch.B. Glas., F.R.C.S.Ed., D.O.M.S. Lond. Pt.-time Lectr.

Oto-Rhino-Laryngology

Johns, B. M., O.B.E., M.B., Ch.B. N.Z., F.R.C.S.Ed., D.T.M. and H. Lond. Pt.-time Lectr.

Pædiatrics

Haridas, G., L.M.S. Lectr.

Parasitology

..... Prof.
Sandosham, A. A., L.M.S. Lectr.
Abraham, O. K., B.A. Demr.

Psychological Medicine

..... Pt.-time Lectr.

Radiology

Winchester, J. W., M.D., Ch.B. St. And., D.M.R.E. Camb. Pt.-time Lectr.

Social Medicine and Public Health

Strahan, J. H., M.B., B.Ch., B.A.O., B.Sc., D.P.H. Belf., D.T.M. and H. Lond. Prof.
Nicholas, A. W., L.M.S., M.P.H. J. Hopkins Sr. Lectr.
Millis, Jean, M.Sc. Lectr.

Surgery

Monro, J. K., M.A., M.D., M.Ch. Camb., F.R.C.S. Prof.
Khong, B. T., L M.S. Tutor.

Surgery, Clinical

Mekie, D. E. C., M.B , Ch.B. Edin., F.R.C.S.Ed Prof.
Yeo, B. C., L.M.S. Tutor
Cohen, Y., L.M.S. Tutor.

Venereal Diseases

Ram, L. M., M.B., B.S. Panj., D P H. Pt.-time Lectr.

Dentistry

Dental Anatomy, Special

Sandosham, H. C., L.D.S. Pt.-time Lectr.

Dental Metallurgy

Taylor, J. W. F., B.D.S. Liv. Temp. Lectr.

Dental Prosthetics

..... Prof.
Jansen, J. A., L.D.S. Asst. Lectr.
Stephens, G. H. Instr.

Dental Surgery, General

Vellasamy, K., L.M.S. Pt.-time Lectr.

Dental Surgery and Pathology

Tickle, R. J. S., B.D.S., L.D.S., D.D.Sc. Spec. Lectr.
Oehlers, F. A. C., L D S. Asst. Lectr.

GENERAL INFORMATION

The University was established by Ordinances of the Governments of the Federation of Malaya and of the Colony of Singapore in April 1949, and Foundation Day was October 8, 1949. It was formed by the fusion of the two existing Colleges in Singapore, The King Edward VII College of Medicine and Raffles College, and teaching began as a full University in Session 1949–1950.

The buildings of the two former Colleges are being used as an interim measure until completely new bldgs. are erected on a site which has been reserved and is about to be acquired near Johore Bahru. A grant of £1 million has already been made by His Majesty's Govt. as a contribution towards the capital cost, and a public appeal was launched in April 1949. The Appeal Fund now stands at approx. £350,000. The Univ. is thus physically separated into two parts, the former Raffles College contains the Administration Offices and the Faculties of Arts and Science, and the former College of Medicine contains the Fac. of Medicine.

LIBRARY. The Library is housed in two divisions. The books concerning the Medical Faculty being housed in the former College of Medicine bldgs. and those concerning the Arts and Science Facs. being housed in the former Raffles College bldgs. The library is being built up rapidly and proposals are now under consideration for a new library bldg. Microfilm equipment has already been installed and it is the intention to reproduce many of the old manuscripts of the country.

FACULTIES AND DEANS. *Arts*, Prof. A. Oppenheim (Maths.); *Science*, Prof. N. S. Alexander (Physics); *Medicine*, Dr. D. W. G. Faris (whole-time Dean).

DEGREE COURSES. B.A. Pass, 3 yrs.; B.A. Hons., 4 yrs.; B.Sc. Pass, 3-4 yrs.; B.Sc. Hons., 4-5 yrs.; M.B., B.S., 6 yrs.; B.D.S., 5 yrs. Honours students must first take a Pass degree.

HIGHER DEGREES. Open to Hons. graduates, M.A., M.Sc. (1 yr.'s residence); Ph.D. (2 yrs.' residence); Open to graduates 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.

Diploma holders of the College of Medicine and of Raffles College, and graduates of other Univs. may also be admitted to higher degrees of the Univ.

DIPLOMAS. Pharmacy, 2 yrs., followed by two yrs.' practical work. It is also hoped to start a two yrs.' course in October 1950 leading to a Diploma in Social Training.

FEES. Tuition, including Students' Union: for B.A. and B.Sc. courses, approx. £38 : 10s. p.a.; M.B., B.S.; B.D.S., £44 : 16s. p.a.

HOSTELS. For men: Tan Tock Seng Hostel (Warden: .....); F.M.S. Hostel (Warden: Dr. C. J. Oliveiro); Eu Tong Sen Hostel and Federal Hostel (Warden: K. Bieda); Patterson Road Hostel (Warden: A. F. Caldwell). For women: Mount Rosie Hostel (Matron: Mrs. Tan); Holne Chase Hostel (Matron: Mrs. Brown). Fees in all hostels, £78 : 15s. (for 30 weeks).

PUBLICATIONS. *Calendar* (Sept.), 7s.; *Annual Report.*

THE YEAR 1948–49

Several teachers and officers of other Univs. visited the Univ. for the Foundation Day Ceremonies on October 8, 1949. The following Univ. institutions were represented: The Univs. of Oxford, Cambridge, St. Andrews, Glasgow, Aberdeen, Edinburgh, Harvard, Yale, London, Melbourne, New Zealand, Otago, Adelaide, Manchester, Birmingham, Leeds, Sheffield, British Columbia, Bristol, Hong Kong, Western Australia, Nagpur, Ceylon, Indonesia, Nottingham, Queen's Univ. of Belfast and Canberra Univ. College. Other bodies represented: The Inter-University Board of India, and the Inter-University Council for Higher Education in the Colonies.

BENEFACTIONS. Appeal Fund £350,000; includes £53,795 for a Dept. of Engineering, and £17,500 for a Chinese Section of the Library. Gift of £500 in books under benefaction of Mr. & Mrs. H. N. Spalding.

NEW BUILDINGS. Adaptation of 2 large Japanese bldgs. for Physics, Bot., Zool. Blocks of 8 flats and 2 houses for staff.

NEW DEPARTMENTS AND POSTS. Establishment of new Professorships of Bot. and Zool.

CHANGES IN REGULATIONS. University founded 1949 with completed revised regns. Honours courses instituted in Facs. of Arts and Science.

RESIGNATION. Dr. C. E. Smith (Med.).

DEATH. Prof. W. E. Dyer (Prof. of Hist. and Principal of Raffles Coll.).

STUDENTS. Total: 612 (Coll. of Medicine, 372; Raffles Coll., 240).

DIPLOMAS. Dip. in Arts, 39; Dip. in Science, 11; L.M.S., 28; L.D.S., 14; Dip. in Pharmacy, 11.

THE ROYAL UNIVERSITY OF MALTA

Founded 1769

Address—St. Paul Street, Valletta.

PATRON—H.M. THE KING.

CHANCELLOR—H E. THE GOVERNOR OF MALTA.

VICE-CHANCELLOR AND RECTOR MAGNIFICUS—J. A. MANCHÉ, B.Sc., M.D.

SECRETARY—JOS. L. PACE.

FINANCE OFFICER—G. SOLER.

TEACHING STAFF

Anatomy and Histology

Briffa, J., B.Sc., M.D. Prof.

Applied Chemistry

Mifsud, V. J., M.D. Prof.

Biology

Vella, Salv. L., B.Sc., M.D., D.L.O. (Eng.), F.L.S. Prof.

Chemistry

Farrugia, P., B.Sc., M.D. Prof.

Engineering and Architecture

Colombo, J., B.Sc., B.E. & A. (Archit.) Prof.

Terreni, Lt.-Col. Jos., O.B.E., B.E. & A. (Munic. Engin.) Prof.

Galea, V. R., M.A. Oxon., B.Sc., B.E. & A. (Civil Engin.) Prof.

English Literature and History

Fogarty, O. J., B.A. N.U.I. Prof.

Greek, Classical

Seaston, Rev. G. J., M.A. Camb. 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. Rome, B.Lit., LL.D. Lectr.

Cremona, F., LL.D. (Comml. L.) Prof.

Busuttil, E., B.A. Oxon and Malta, B.Litt. Oxon., LL.D. (Internat. L.) Lectr.

Caruana, V., B.Lit., LL.D. (Civil L.) Prof.

Cremona, J. J., B.A. Lond. and Malta, D.Litt. Rome, LL.D. (Const. L.) Lectr.

Mamo, A. J., B.A., LL.D. (Crim. L.) Prof.

..... (Hist. of Legisln. in England and Malta) Lectr.

Ganado, J. M., B.A., 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., B.A. Oxon., B.Sc., B.E. and A. Prof.

Medicine and Surgery, v. *infra*

Philosophy

Grima, Very Rev. S., J.C.B., Ph.D., S.Th.D. Rome Prof.

Physics

Zahra-Neumann, C., B.Sc., M.D., D.C.H. Prof.

Physiology and Biochemistry

Ganado, W., B.Sc., M.D. Prof.

Theology

Zarb, Very Rev. Fr. S. M., O.B.E., S.Th.M., S.Script.D. Rome (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.Lit., 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.

Sapiano, Very Rev. J., Ph.D., Hist.Ec.L., S.Th.D. Rome (Patrology and Liturgy) Prof.

Tabone, Very Rev. Fr. P. (Canon Law) Prof.

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

..... Lectr.

Forensic M. and Toxicology

Galea, J., M.D., D.P.H. Lectr.

Materia M., Pharmacol. and Therap.

Zammit-Maempel, J. V., M.D. Prof.

Medicine

Debono, J. E., B.Sc., M.D., F.R.C.P. Prof.

Lanfranco, A., B.Sc., M.D. Demr.

Mental Diseases

Vassallo, V., M.D. Naples, D.P.M. Prof.

Midwifery and Gynæcology

..... Prof.

..... Demr.

Ophthalmology

Damato, F. J., M.D., D.O. Oxon., F.R.C.S., D.O.M.S. Lectr.

Orthopædics

Craig, A. J., B.Sc., M.D., F.R.C.S. Lectr.

Pathology

..... Prof.

Social and Preventive Medicine

Coleiro, C., B.Sc., M.D., D.P.H., D.T.M. Liv. Prof.

Surgery

Debono, P. P., O.B.E., M.D., D.P.H. Camb., F.R.C.S. Prof.

Venereology and Dermatology

Curmi, V., M.D. Naples Prof.

Dental Surgery

Lapira, E., F.D.S.R.C.S. Prof.

Operative Dental Surgery

Mangion, J. J., B.Sc., M.D., F.D.S.R.C.S. Lectr.

GENERAL INFORMATION

Founded in 1769 by Grandmaster Fra Emmanuel Pinto de Fonçeca of the Order of St. John of Jerusalem under the authority of Pope Clement XIV., the University is lodged in a building erected by the Jesuit Fathers in 1591–1593 for a College with the power of granting degrees in Theology and Philosophy, whilst 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. 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 in the Colonies, 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, 12,000 vols. A public library maintained in connexion with the Univ. contains over 100,000 vols. and is rich in MSS. and rare editions of great historical interest. MUSEUMS: Nat. Hist. and Archæol. OBSERVATORY, full meteorol. equipment and seismograph. BOTANICAL GARDEN. HOSPITALS, available for Clinics: general (650 beds) and several special—Leprosy Hospital (80); Mental Diseases (800); Aged Poor (1000).

FACULTIES: Arts, Science, Engineering and Architecture, Theology, Laws, Medicine and Surgery.

MATRICULATION examn. requires pass in six subjects, including English (Language and Literature), Maltese, Mathematics and three other subjects at the choice of candidates. Latin is obligatory for the Faculties of Arts, Laws and Theology. After passing the Matriculation Examn. another examn. is required for admission into the various faculties.

DEGREES, ETC. B.A., B.Educ., B.Sc., B.Econ., B.Com., B.Pharm., B.D., Lic.D., B.Arch., B.Eng., B.Ch.D., M.Arch., M.Eng., M.D., LL.B., LL.D., D.D. Diploma of Architect and Civil Engineer, Notary Public, Legal Procurator.

SCHOLARSHIPS FOR GRADUATES. Travelling Scholarship of £300—awarded every 3 yrs., one each in Theol., Laws, Med. and Surg., and Engin. and Arch. The Aubrey Causton Strachan Scholarship of £120—awarded every 6 yrs. in the Faculty of Med. and Surg. The Lorenzo Gatt Scholarship of £50—awarded every 3 yrs. to the student in Engin. and Arch. who secures the Travelling Scholarship. The Francis Gambin Scholarships, awarded every 3 yrs. in Theol., Laws, Med. and Surg., and Engin. and Archit. The Rhodes Scholarship, awarded every year.

PUBLICATION. *Calendar* (Oct.).

THE YEAR 1948–49

NEW BUILDINGS. Rebuilding of Aula Magna and Examination Hall, destroyed by enemy action, completed. Reconstruction of Chemical and Hygiene labs. initiated.

HONORARY DEGREES. *LL.D.*—H.E. Sir Francis C. R. Douglas, Chancellor of the Univ. *D.Lit.*—Principal Ifor L. Evans, Representative of the Inter-University Council for Higher Education in the Colonies on the Council of the Univ.

STUDENTS. Total: 454; full-time: 407; pt.-time: 47; the total includes 31 women.

DEGREES, ETC. B.Sc., 1; B.A., 6; Lic.D., 1.

UNIVERSITY COLLEGE OF THE GOLD COAST

Founded 1948

Address—Achimota, Gold Coast.

CHAIRMAN OF COUNCIL—Sir LESLIE M'CARTHY, B.A. Oxon.
PRINCIPAL—D. M. BALME, D.S.O., D.F.C., M.A. Camb.
REGISTRAR—G. I. SMITH, M.Sc. Lond.
ACADEMIC REGISTRAR—M. DOWUONA, M.A. Oxon.
BURSAR—W. D. RUSSELL.
LIBRARIAN—A. ELISE WALKER, F.L.A.
DEAN—Rev. J. N. DUCKWORTH, M.A. Camb.

TEACHING STAFF

African Studies

Busia, K. A., M.A., D.Phil. Oxon. Lectr.
Tait, D., B.A. Lond. Lectr.
Kurankyi-Taylor, E., M.A., B.C.L. Durh., LL B. Manc. Asst. Lectr.

Botany

Boughey, A. S., B.Sc. Lond., Ph D. Edin. Prof.
Foote, Vera J., B.Sc. Reading Lectr.
Adams, C. D., B.Sc. Lond. Lectr.
Lerner, Natalie H., M.Sc. Cape T., Ph.D. Camb. Lectr.

Chemistry

Graham, J., B.Sc., Ph.D. Lond. Prof.
Torto, F. G. T. O'B., B.Sc., Ph.D. Lond. Lectr.
Higman, B., B.Sc., M.A. Oxon. Lectr.
Friediger, A., B.Sc., Mag. Scient. Copenhagen Lectr.

Classics

Astley, Sir Francis, Bt., B.A. Oxon. Lectr.
Appiah, L. P. O., B.A. Oxon. Asst. Lectr.

Economics

Williams, J. W., M.Com N.Z. Sr. Lectr.
Niculescu, B. M., M.A. Camb., B.Sc. (Econ.) Lond. Lectr.
Jackson, Rowena M., B.Com. Birm. Asst. Lectr.

English

Gurrey, P., B.A., Ph.D. Lond. Prof.
Walton, G., M.A., M.Litt. Camb. Lectr.
Milne, E. M. M., M.A. Aberd., B.A. Camb. Lectr.
Lerner, L. D., M.A. Cape T., B.A. Camb. Asst. Lectr.
Andrews, H. J., B.A. Oxon. Sr. Res. Asst.

Geography

Varley, W. J., M.A. Wales, Dr.phil. Copenhagen Prof.
Hilton, T. E., M.A. Manc. Lectr.
Hubbard, J. H., B.A. Oxon. Lectr.
Boateng, E. A., B.A. Oxon. Asst. Lectr.

Geology

McCallien, W. J., D.Sc. Glas. Prof.
Anderson, M. M., B.Sc. Wales Lectr.

History

Hamilton, Bernice M., B.A. Lond. Lectr.

Fage, J. D., M.A., Ph.D. Camb. Lectr.

Mathematics [Sr. Lectr.

Sawyer, W. W., M.A. Camb.

Campbell, M. O'N., B.A. Camb. Asst. Lectr.

Philosophy

Taylor, D., M.A. W. Aust., B.A. Oxon. Prof.

Phonetics

Strevens, P. D., B.A. Lond. Lectr.

Physics

Huntley, H. E., B.Sc. Brist., Ph.D. Rand Sr. Lectr.

Ward, L., M.Sc. Sheff. Lectr.

Theology

Hickinbotham, Rev. J. P., M.A. Oxon. Prof.

Baeta, Rev. C. G., B.A. Lond. Sr. Lectr.

Zoology

Edwards, E. E., D Sc. Wales Prof.

Bassindale, R., M.Sc. Sheff. (Seconded from Univ. of Bristol) Lectr.

Tazelaar, Mary A., M.Sc. Lond. Lectr.

Extra-mural Studies

Kimble, D., B.A. Reading (Seconded from Univ. of Oxford, Delegacy of Extra-mural Studies) Director.

Bown, Lalage, B.A. Oxon. Res. Tutor.

Austin, D. G., B.A. Lond. Res. Tutor.

Institute of Education

Lewis L. J., B.Sc. Wales Director.

ADMINISTRATIVE STAFF

Assistant Bursar, S. Grey. Supervisor of Works, K. H. G. Eichenberg. Manciple, G. A. Deegan. Asst. Registrar (London), Mrs. Sheila W. Leach, B.A. Lond. Deputy Librarian, Marjorie E. Heron, B.A. Lond., F.L.A. Library Cataloguers, Olive Carpenter, B.A. Lond.; W. M. Martin. Principal's Sec., Pamela M. Raikes.

GENERAL INFORMATION

This is a non-Government institution incorporated by the University College of the Gold Coast Ordinance 1948. The Council is nominated by the Governor, the Academic Board, the Legislative Council, the Joint Provincial Council of Chiefs, and the Ashanti Confederacy Council. The College has been admitted to the "special relationship" with the Univ. of London as recommended by the Asquith Commission on Higher Education in the Colonies, 1945. A site of 5 sq. miles near Accra has been presented by the Govt. for the permanent bldgs. of the College, which is housed meanwhile in a part of Achimota School bldgs. The College's annual revenue is provided by the Govt., which has also guaranteed £1,000,000 towards the capital expenditure.

DEGREE COURSES. Courses are provided for Hons. and General London External degrees in Arts, Science, Divinity and Economics.

RESEARCH. In addition to the teaching Depts. special facilities for post-graduate research are provided in Marine Zool., African Langs., and Social Anthropol. The Institute of Education gives courses leading to a diploma.

ADMISSION. Undergraduate students are admitted through the College Entrance examn.; entrants must be already exempt from London Matriculation.

FEES. Inclusive fee for Tuition and boarding, £100 p.a.

RESIDENCE. All students are required to reside in the Coll., which has four Halls of Residence for men and one for women.

TERMS. Michaelmas: Sept. to Dec. Lent: Jan. to March. Trinity: April to June.

THE YEAR 1948–49

This was the College's first yr. and all students were reading for the Intermediate Examns. The College shared its temporary premises with the Achimota Teacher Training College. Messrs. Harrison, Barnes and Hubbard were apptd. Architects to the College to design the permanent bldgs. Appointments of teaching staff were made in consultation with the Inter-University Council for Higher Education in the Colonies.

BENEFACTIONS. £896,000 from the Gold Coast Cocoa Marketing Board, for capital works.

EXTRA-MURAL WORK. The College assumed responsibility for this work which had previously been begun by the Oxford Delegacy. D. Kimble was seconded by the Delegacy as the first Director of Extra-mural Studies in the College.

STUDENTS. 90, including 2 women.

UNIVERSITY COLLEGE, IBADAN, NIGERIA

Founded 1948

PRINCIPAL—K. MELLANBY, O B.E., Ph.D. Lond., Sc.D. Camb.
REGISTRAR—F. P. G. HUNTER, LL.B. Lond.
ASST. REGISTRAR (Academic)—A. I. BOWMAN, M.A. Glas.
ASST. REGISTRAR (Finance)—H. PRESTON
TECHNICAL ADVISER—J. HOSKINS, O.B.E.
WARDEN—K. S. LAMBERT, F.L.A.
CHIEF LIBRARIAN—W. J. HARRIS, B.A. Oxon.
DOMESTIC BURSAR—T. A. ADELAJA.

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.
Savory, H. J., B.Sc. Brist. Sr. Lectr
Njoku, E., B A. Lond., M.Sc. Manc , F.L.S. Lectr.

Chemistry

McIlroy, R. J., M.Sc. N.Z., Ph.D. Birm., F.R.I.C. Prof.
England, B. D., M.Sc. N.Z., Ph.D. Lond. Lectr.
Hirst, J., Ph.D. Lond. Lectr.
Foley, A. J., B.A., B.Sc. N.U.I. Lectr.

Classics

Cadle, E. A., M.A. Camb. Sr. Lectr.
McKay, K. L., B.A. Syd. and Camb. Lectr.

Engineering Drawing

Mellanby, J., M.A. Camb. Pt.-time Lectr.

English

Christophersen, P. H., Ph.D. Camb., Dr.Phil. Copenhagen Prof.
Stein, R., B A. Wales, B.Litt. Oxon. Lectr.
Parsons, L., M.A. Lond. Asst. Lectr.

Geography

Buchanan, K. M., B.A. Birm. Sr. Lectr.
Pugh, J. C., M.A. Camb. Lectr.
Prothero, R. M., M.A. Wales Lectr.
Pugh, Margaret, M.A. Camb. Temp. Asst. Lectr.
Loyd, P. C., B.A. Oxon. Res. Asst.

History

Potter, C. J., M.A. Camb. Sr. Lectr.
Dike, K. O., D.Phil. Lond. Lectr.
Copeland, Jean L., M.A. Lond. Lectr.

Mathematics

Atkinson, F. V., M.A., D.Phil. Oxon. Prof.

Braithwaite, G., M.A. Camb. Sr. Lectr.
Jaeger, A., Dr.rer.nat. Goettingen Lectr.
Fuller, T., B.A. Oxon. Asst. Lectr.

Medicine, v. *infra*

Mycology

Sansome, Eva R., M.Sc. Durh., D.Sc. Manc. Res. Fellow.

Parasitology

Mellanby, K., O.B.E., Ph D. Lond., Sc.D. Camb. Prof.
Onabamiro, S. D., B.Sc. Manc., F.L.S. Lectr.

Physics

Andrews, J. P., D.Sc. Lond., F.I.P. Prof.
Wright, R. W. H., Ph.D. Lond. Lectr.
Bastin, E. W , M.Sc. Lond. Lectr.
Brown, R. A , B.Sc Lond. Lectr.

Religious Studies

Welch, J. W., M.A., Ph.D. Camb., M.Ed. Durh. Prof.
Parrinder, Rev. G., M.A., M.Th., Ph.D. Lond. Lectr.

Scientific French and German

Cohne, Margaret, L. ès L. Lille Lectr.

Zoology

Webb, J. E., D.Sc. Lond. Sr. Lectr.
Elgood, J. H., M.A. Camb. Sr. Lectr.
Mills, H. D. Lectr.
Webb, Gwenlilian C., B.Sc. Lond. Lectr.

Agriculture

Agriculture

Baker, D. W. H., B.Sc. (Agric.) Lond., A.I.C.T.A. Hd. of Dept.

Agricultural Botany

Sawyer, J. C., B.Sc. Reading, Ph.D. Lectr.

Animal Husbandry

Hill, D. H , D.V.M. Tor. Lectr.

Soil Science

Nye, P., B.A. Oxon. Lectr.

Medicine

Anæsthetics

Stout, R. J., M.B , B.S. Lond., D.A. Lectr.

Anatomy

Smith, A. Prof.

Bacteriology

Harper, J., M.B., Ch.B. Glas., Dip.Bact. Manc. Sr. Lectr.

Chemical Biochemistry

Hendry, E. B., Ph.D., M.B., Ch.B. Edin. Sr. Lectr.

Forensic Medicine

Roche, P. Hon. Lectr.

Medicine

Brown, A., M.B., Ch.B. Edin., F.R.C.P.Ed. Prof.
Jelliffe, D. B , M.D. Lond., D.T.M., D.C.H. Lectr.
Karefa-Smart, J., B.A. Durh., B.Sc , M.D., C.M. McG., D.T.M., M.P.H. Lectr.

Obstetrics and Gynæcology

Walker, A. H. C. Prof.
Medine, S. M., M.D., C.M. McG. Lectr.

Pathology

Silvera, W. D., M.B., Ch.B., F.R.C.P.Ed. Sr. Lectr.

Physiology

Parsons, T. R., B.Sc. Lond., M.A. Camb. Prof.
Dosekun, F. O., B.A. Dub. Asst. Lectr.

Preventive and Social Medicine

Ajose, O. A., M.D. Glas., D.P.H. Prof.

Surgery

Joly, Beatrice M., M.D. Lond., F.R.C.S.Ed. Prof.

Fleming, R. A., O.B.E., M.S. Durh., F.R.C S.Ed. Sr. Lectr.

Thomas, H. O., M.B., Ch.B. Birm., F.R.C.S. Lectr.

Extra-mural Studies

Gardiner, R. K. A., B.A. Camb., B.Sc. (Econ.) Lond. Director.

Institute of Social and Economic Research

Whyte, W. H., M.A. Leeds Director.

Leich, D. N., M.A. Camb. Secretary.

LIBRARY

Chief Librarian—W. J. Harris, B.A. Oxon.; Deputy Librarian—E. Jessie Carnell, F.L.A.; Chief Cataloguer—Doris K. Forsythe, B.A. Belf., F.L.A.; Ref. Librarian—Margaret Petticrew, M.A. Glas.

GENERAL INFORMATION

University College, Ibadan, is an autonomous institution. The financial management is in the hands of a Provisional 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 January 1948, and in September 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. An annual grant is received from the Nigerian Government and other income comes from endowments and fees. In addition, endowment amounting to £250,000 and £200,000 has been received from the Nigerian Government and the Nigerian Cocoa Marketing Board respectively. An Endowment Fund Appeal is being launched.

LIBRARY. The Library contains over 60,000 volumes. It consists of the Henry Carr Library (18,000 volumes), a collection made by Henry Carr, a West African, formerly Commissioner of the Colony: also an extensive collection, particularly of scientific works concerning West Africa, presented by F. Montague Dyke.

ADMISSION. Students are required to pass the College Entrance Exam., for which they are ordinarily eligible only if they have passed the Univ. of London Matr. Exam. or have obtained exemption from it.

TERMS. There are three terms in the academic year, which lasts from Oct. until June.

FEES. £100 to £120 per annum, except for medical students in their clinical years, where the charge is £175 per annum. These fees cover board and tuition. All students are resident.

SCHOLARSHIPS. A number of scholarships are awarded on the Entrance Examn. by the Academic Board. The Nigerian Government, the Cocoa Marketing Board, and various voluntary bodies award bursaries.

DEGREES. The College has been admitted to a special relationship with the Univ. of London, whose degrees are taken at present. The Coll. staff co-operate with the Univ. of London in preparing syllabuses and in the examns.

Students are at present prepared for the B.A., B.Sc., and B.Sc. (Agric.) degrees, and for the M.B , B.S. degree in the Medical Faculty. It is hoped shortly to start courses in Veterinary Science. Full-time members of the teaching staff may register as internal students for the Ph.D. degree of the Univ. of London.

HONORARY ASSOCIATES. Sir John MacPherson, Governor of Nigeria ; Professor T. Monod, Directeur de l'Institut Français de l'Afrique Noire ; Professor C Daryll Forde ; the Rt. Hon. Walter Elliot, P.C.

THE YEAR 1948–49

STUDENTS. Total : 298, including 10 women.

MAKERERE COLLEGE
THE UNIVERSITY COLLEGE OF EAST AFRICA

Postal Address : Makerere College, P.O. Box 262, Kampala, Uganda.
Cables. Makcol, Kampala. *Telephone :* Kampala 448.

VISITOR—H.E. Sir JOHN HATHORN HALL, K.C.M.G., D.S.O., O.B.E., M.C., M.A.

CHAIRMAN OF COUNCIL–Sir REGINALD E. ROBINS, C.M.G , O.B.E.

PRINCIPAL—Prof. B. DE BUNSEN, B.A. Oxon.

VICE-PRINCIPAL—F L. GEE, M.A. Oxon.

REGISTRAR—Lt.-Col. A. SCRAGG, M.C.

LIBRARIAN—Miss J E. I. LARTER, B.A. Lond., F.L.A.

TEACHING STAFF

Agriculture

Stuckey, R. W., M.A. Camb, B S.A. McGill
Hd. of Dept., seconded from Uganda Govt.

Anatomy

Galloway, A., M.A., M.B., Ch.B. Aberd , D.Sc. Rand Prof.
Ashley, G. T., B.Sc., M.B., Ch.B. Lectr.
Odede, F. W. (Vet. Anat.) Asst. Lectr.

Art

Trowell, Mrs. K. M. Lectr.
Maloba, G. Asst.
Ntiro, S. J. Asst.

Biology

Beadle, L. C., M.A. Camb. Prof.
Calder, E. A., B.Sc. Leeds Lectr.
Milburn, R., B.Sc. Durh. Temp. Asst. Lectr.

Chemistry

Tenniswood, C. R. S., M.Sc. Durh., Ph.D., B.Sc. Lond. Prof.
Naylor, R. F., D.I.C., F.R.I.C. Lectr.

Education

Gale, H. P., B.A. Sr. Lectr.
Bolland, R. W., B.Sc , Ph D. Lond., F.R.I.C. Lectr.
Graham, Miss P. M. M., B.A., M.Ed. Pt.-time Lectr.
McAdam, Mrs. L. M. H., M A. Pt -time Lectr.

English Literature

Sibly, J., M.A. Camb. Lectr.
Macpherson, A. G., M.A. Oxon. Pt.-time Tutor.
Macpherson, Mrs. M., M.A. Oxon. Temp. Asst. Lectr.

Geography

Baker, S. J. K., M.A. Liv. Prof.
Ford, V. C. R., B.A. Lond., A K.C. Lectr.
Carney, Rev. Father G., M.A. Camb. Asst. Lectr.

History

Ingham, K., M.C., M.A., D.Phil. Oxon. Sr. Lectr.
Sibly, Mrs. J., B.A. Temp. Asst. Lectr.

Mathematics

Crabbe, J. R., M A. Camb. Sr. Lectr.

Hudd, Mrs. M. E., B.Sc. Wales Lectr.

Physics

Gee, F. L., M.A. Oxon. Reader.

Beadle, Mrs. L. C Temp. Asst. Lectr.

Physiology

Holmes, E. G., M.A., M.D. Camb. Prof.

Stanier, Miss M. W., M.A. Oxon. Lectr.

Social Studies

Parker, Miss M., B.Sc., Ph.D. [Lectr.

(Clinical) Veterinary Medicine

Polding, J. B., Ph.D., B.Sc. Prof.

PART-TIME LECTURERS. *Agricultural School*: Agricultural Chemistry, 1; Entomology, 1; Plant Breeding and Experimental method, 1; Veterinary Science, 1. *Medical School*: Surgery, 2; Medicine, 5; Obstetrics and Gynæcology, 2; Preventive Medicine, 1; Anæsthetics, 1; Dental Surgery, 1, Ophthalmology, 1; Pathology, 2; Pharmacology, 1; Pharmacy, 1.

ADMINISTRATIVE STAFF

Bursar, J. E. Burrough. Academic Asst. Registrar, G. Hamlyn. Dean of Men Students, A. G. Macpherson, M.A. Warden (Men students), Rev. F. B. Welbourn, M.A. Camb. Warden (Women students), Miss M. Graham, B.A, M.Ed. Asst. Librarian, Miss J. Bouman.

GENERAL INFORMATION

Makerere College was founded in 1922 as a technical school, and has moved by stages to its present position as an institution of higher education, the constitutional instrument being the Makerere College Act, 1949.

The Coll. is now an autonomous institution governed by a Council and an Academic Board.

COURSES. The Coll. provides courses leading to diplomas in Arts, Sci., Educ., Agric., Vet. Sci., Med. and Fine Art.

THE YEAR 1948–49

STUDENTS (1949). Total: 222, including 9 women.

UNIVERSITY COLLEGE OF THE WEST INDIES

Founded 1949

Address—Mona, St. Andrew, Jamaica, British West Indies.

VISITOR—H.M. THE KING.

CHANCELLOR—H.R.H. THE PRINCESS ALICE, COUNTESS OF ATHLONE, G.C.V.O., G.B.E., V.A.

PRINCIPAL—T. W J TAYLOR, C.B.E , M.A., D.Sc. Oxon.

VICE-PRINCIPAL—P. M. SHERLOCK, B.A. Lond.

REGISTRAR—H. W. SPRINGER, M.A. Oxon.

LIBRARIAN—H. HOLDSWORTH, M.A. Leeds, F.L.A.

TEACHING STAFF

Anatomy

Harper, W. F., M.D., B.Sc., Ph.D. St. And. Prof.

Botany

Asprey, G. F., M.Sc., Ph.D. Birm. Prof.

Robertson, Mrs. Edith, B.Sc. Glas. Lectr.

Hutchinson, P. B., M.Sc. N.Z. Asst. Lectr.

Chemistry

Hassall, C. H., M.Sc. N.Z., Ph.D. Camb. Prof.

Martin, S. L., M.Sc. Lond., D.I.C., F.R.I.C. Lectr.

Lippman, A. E., B.Sc. Lond., M.Sc. Brooklyn Asst. Lectr.

English

Croston, A. K., M.A. Camb. Prof.

History

Parry, J. H., Ph.D., M.A. Camb. Prof.

Cunningham, A. B., B.A. Durh. Asst. Lectr.

Goveia, Elsa V., B.A. Lond. Asst. Lectr.

Languages, Modern

Sandmann, M., M.A., D.Litt. Glas., Dr. Phil. Bonn Prof.

Mathematics

Robinson, L. R. B., M.A. Lond. Lectr.

Pathology

Hill, K. R., M.D., B.S., B.Sc. Lond. [Prof.

Physics

Bowen, F. H., M.A. Columbia, Ph.D. Lond. Sr. Lectr.

Cade, R., M.Sc. Lond. Lectr.

Sprinks, M. E., B.Sc. Lond. Asst. Lectr.

Physiology

Mackay, I. F. S., M.Sc., Ph.D. Manc. Prof.

Patrick, S. J., M.A., Ph.D. Tor. (Biochem.) Sr. Lectr.

Zoology

Millott, N., M.Sc. Sheff., Ph.D. Camb. Prof.

Rankin, Jessie J., B.Sc. Edin. Lectr.

Underwood, G. L., B.Sc. Lond. Asst. Lectr.

Extra-mural Studies

Director—P. M. Sherlock, B.A. Lond. Resident Tutors:—*Leeward Islands*—F. W. E. Case, M.A. London. *Jamaica*—Mrs. G. Cumper, B A. Tor, LL.B. Camb. *Windward Islands*—B. H. Easter, C M.G., C.B.E., B.A. Lond. *Trinidad*—A. Pearse, B.A. Camb. *Brit. Honduras*—S Sharp, B.A. Leeds. *Brit. Guiana*—A. Lennox-Short, M.A. Cape T, B.A Oxon. *Barbados*—A. E. Douglas Smith, B.A. Camb. Staff Tutor—E. James, B.A. McG., M.A. N.Y.

Institute of Social and Economic Research

Director—H. D. Huggins, M A. Cornell, Ph.D. Harv. Research Assts.—L. Braithwaite, B.Sc. Lond; G. Cumper, B.A. Camb., Nora M. Siffleet, B.Sc. Lond.

ADMINISTRATIVE STAFF

Asst. Registrar, Jeanne A. Simmons, B.A. Oxon. Bursar, R. A. Swaby, D.P.A. Lond. Asst. Librarian, Grade I, K. Ingram, B A. Lond. Asst. Librarians, Grade II, Mercedes Josephs, B.A. Lond.; Elsie Woo-Ming, B.A. Tor.

GENERAL INFORMATION

The Univ. Coll. was founded by Royal Charter granted on Jan. 5, 1949. Its establishment was recommended and planned by a Cttee. of the Commission on Higher Educ. in the Colonies under the chairmanship of Sir James Irvine, Principal and Vice-Chancellor of the Univ. of St. Andrews. It is an autonomous institution, governed by a Council to which each of the British Caribbean Colonies nominates a member and on which the Senate and the Inter-Univ. Council are represented. The Senate consists of members of the teaching staff with the Principal as Chairman. A grant has been made from Colonial Development and Welfare funds towards the capital costs and recurrent expenditure is met from the revenues of the Caribbean Colonies. Undergraduates were first admitted in Oct. 1948. The Govt. of Jamaica has given on lease for 999 years a site of over one square mile about seven miles from Kingston. Existing wooden buildings on the site provide satisfactory temporary accommodation for undergraduate quarters, library, labs., lecture rooms and administrative offices.

An Institute for 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.

Admission. Men and women are eligible for admission if they have passed or are exempted from the Matric. Examn. 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 will begin in Oct. 1950.

RESIDENCE. The Univ. Coll. is entirely residential.

FEES. A charge of £120 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 examn. held in the Caribbean Colonies. In addition several of the Colonies award exhibitions to those educated or born in the Colony. The Mill Reef Exhibition is open to those educated in Antigua. The Geddes Grant Fellowship is awarded for postgraduate work in subjects of Caribbean interest.

THE YEAR 1949–50

CHANCELLOR. The Chancellor was formally installed in her office on Feb. 16, 1950, in the presence of representatives from many Univs. and of the Govts. and people of the Caribbean Colonies.

BENEFACTIONS The Univ. Coll. has continued to receive numerous benefactions, especially to the Library. Outstanding among these are gifts from Noel Deerr of Oxford, England, and from the U.S. Library of Congress, Washington. The Trinidad Chamber of Commerce has given £1667 : 10s. for apparatus for scientific research. Barclays Bank Ltd. (Dominion, Colonial and Overseas) have given £5000 towards the cost of the erection of a bldg. for the Dept. of Education.

SITE AND BUILDINGS. Contractors have now been appointed. The building of the first Hall of Residence for undergraduates should be completed by Aug. 1950, and that of the Library, the Science Depts. and the Univ. Coll. Hospital during 1951. The construction of houses for the staff has continued.

EXTRA-MURAL DEPT. Classes have been organized by the Resident Tutors in Barbados, British Guiana, British Honduras, Jamaica, Leeward Islands, Trinidad and Tobago and Windward Islands. The Dept. has begun the publication of a periodical, *Caribbean Quarterly*, devoted to broadly educational and intellectual interests ; it has also published a series of booklets, *Caribbean Affairs*, for study material and general interest.

RESIGNATION. Miss Olive Carpenter, on appt. as Chief Cataloguer in the Library of the Univ. Coll. of the Gold Coast.

STUDENTS. Total : 70 Medical and Science students, including 16 women.

THE IMPERIAL COLLEGE OF TROPICAL AGRICULTURE

ST. AUGUSTINE, TRINIDAD, B.W.I.

Founded 1921

Cables—Stomata, Port-of-Spain.

CHAIRMAN OF THE GOVERNING BODY—Sir RAYMOND PRIESTLEY, M.C., D.L., M.A. Camb. and Birm., D.Sc. Melb., Hon. LL.D. St. And., Natal and Dal.

PRINCIPAL—H. J. PAGE, O B.E., B.Sc. Lond., F.R.I.C.

VICE-PRINCIPAL—C. Y. SHEPHARD, C B.E., B.Sc. (Econ.), Ph.D. Lond

DEAN AND REGISTRAR—G. G. GIANETTI, M A., Dip.Agr. (Econ) Camb

BURSAR—H. N. LEE, O.B.E.

ASSISTANT BURSAR—J. SHIELDS.

LIBRARIAN—M. E. M. PRICE.

ENGINEER AND TECHNICAL ASSISTANT—C. T. WATTS.

ASST. TO ENGINEER AND TECHNICAL ASSISTANT—I. J. COOK.

MEDICAL AND HEALTH OFFICER—MARY GIANETTI, M.B., Ch.B., D.P.H. Glas.

SECRETARY—Mrs. N. H. YOUNG, Rooms 104/5, 40 Norfolk Street, Strand, London, W.C.2.

TEACHING STAFF

Agriculture

Lynn, C. W , Dip.Agr. Lond. Actg. Prof.

Webb, G. H., Dip.Agr., A.I.C.T.A. Harper Adams Lectr.

Evans, L. J. C., Dip.Agr. Lond., A.I.C.T.A. Lectr.

Mayne, J. E., B.Sc.Agr. Edin. Lectr.

Pritchett, E. D. G., B.S.A. Tor. Farm Manager.

Botany and Genetics

Baker, R. E. D., M.A. Camb., A.I.C.T.A. Prof.

Wilson, J., B.Sc. Durh. Lectr.

Chemistry and Soil Science

Hardy, F., C.B.E., M.A., Dip.Agr. Camb. Prof.

Rodrigues, G., F.R.I.C. Lectr.

Economics

Shephard, C. Y., C.B.E., B.Sc. (Econ.), Ph.D. Lond. Prof.

Jolly, A. L., M.A. Camb., M.Sc. Wales, Ph.D. Lond. Lectr.

Mycology and Bacteriology

Dale, W. T., B.Sc. Leeds, A.I.C.T.A. Lectr.

Sugar Technology

Yearwood, R. D. E., A.I.C.T.A., D.I.C.T.A. Actg. Sugar Technologist.

Veterinary Science

Metivier, Capt. H. V. M., O.B.E., B.Sc. Lond. Lectr.

Zoology and Entomology

Kirkpatrick, T. W., M.A., Dip. Agr. Camb. Prof.
Callan, E. McC., B.Sc. Manc., Ph.D. Lond., D.I.C. 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

Porteous, J. W., B.Sc., Ph.D. Liv Soil Chemist
Evans, H., B.Sc., Ph.D. Wales Sr. Plant Physiologist.
Cope, F. W., M.Sc. Sr. Plant Breeder.
Spencer, G. E. L., D.I.C T.A. Field Officer.
Holliday, P., B.A. Camb. Plant Pathologist.

Soils Research

Vernon, K. C., B.Sc. Manc. Soil Surveyor.
Darcel, F. C., B.Sc.Agric. Reading Soil Surveyor.

Sugar Research

Wiggins, L. F., D.Sc., Ph.D. Birm. Director.
Thomson, A. F., B.Sc. Glas. Chemical Engineer.
Williams, J. H., B.Sc. Lond. Sr. Organic Chemist.
Drake, J., B.Sc. Lond. Jr. Physical Chemist.

GENERAL INFORMATION

Incorporated in Sept. 1921 and reincorporated by Royal Charter on Nov. 23, 1926, the College aims at promoting the study of and conducting research in tropical agriculture in suitable surroundings and creating a body of British expert agriculturists well versed in the knowledge of the cultivation of land in the tropics, of chemists, and of scientific advisers possessing an intimate knowledge of the means of combating pests and diseases. The College buildings are at St. Augustine, near St. Joseph, Trinidad, on land granted by the Govt. of Trinidad and Tobago.

The foundation stone of the new buildings and laboratories was laid by Sir Samuel Wilson, Governor of Trinidad and Tobago, on January 14, 1924. An Instructional and Experimental Sugar Factory, towards which British sugar machinery manufacturers contributed plant worth £20,000, was opened in 1925. A Low Temperature Research Station for work on bananas and other tropical fruits was completed in September 1929. An Agricultural Field Office, and a new Chemical Block, in which the Dept. of Sugar Technology is also housed, were completed in August 1929. 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. A Cacao Research Scheme was inaugurated in 1930. This is financed by contributions from the main cacao-growing Colonies and from some of the more important British cocoa and chocolate manufacturers. New schemes of research into sugar, bananas, cocoa and soils were approved during 1947. Two of these, for bananas and sugar, are on a 5-yr. basis and the other two, for cocoa and soils, are on a 10-yr. basis. The soils scheme is financed wholly from Colonial Development and Welfare funds, while in the case of each of the other three the different industries are bearing a share of the cost.

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.

The academic year extends from October 1 to June 30.

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*, designed primarily for students from the West Indian Colonies and admission to which is limited, save in exceptional circumstances, to students from the Caribbean area.

(2) A 2-yr. course leading to an *Associateship* of the College (A.I.C.T.A.) in Agriculture, open 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.

(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.

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, $72 (£15) per mo.; 1st and 2nd yrs. 12 mos. (each £180); 3rd yr. 9 mos. (£135). 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. In the case of students attending the College for one year, the expense will be approx. that of the third year, with the cost of return passage added. 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 £250.

STUDENTS FROM INDIA AND FOREIGN COUNTRIES. Applications for admission from students from the British Commonwealth and from India and Pakistan should be submitted through the appropriate High Commissioner or other official Govt. representative in London.

The Academic Board will consider applications from students who are not British subjects on their producing evidence of having attained a standard equivalent to that prescribed by the regulations and of possessing an adequate knowledge of English. Such applications should be made through a British Consul, whose recommendation should also be obtained.

PUBLICATIONS. *Prospectus*; *Principal's Report*; *Tropical Agriculture* (monthly); *Memoirs* and *Reports*.

THE YEAR 1948–49

EXTRA-MURAL WORK. Visits of College officers to neighbouring colonies in the Caribbean area.

RESIGNATIONS. Dr. H. Lees (Chem.), on appt. as Lectr. in Biochem., Aberdeen Univ.; Prof. A. de K. Frampton, (Agric.), on appt. in Barbados as Agric. Adviser to the Development and Welfare Organization in the West Indies

DEATHS. Sir Frank Stockdale, Chairman of the Governing Body of the Coll.; Sir Norman Lamont, Bart., for many yrs. a Governor of the Coll.

STUDENTS. Full-time: 67; graduates and special course students: 32; preparing for diploma: 35. No women students.

DIPLOMAS. (D.I.C.T.A.), 10; (D.T.A. Trin.), 9.

ASSOCIATESHIPS. 2.

COLLEGE OF AGRICULTURE

MAURITIUS

Founded 1923

Address—Réduit, Mauritius.

PRINCIPAL AND CHAIRMAN OF ADVISORY BOARD—W. ALLAN, O.B.E., B.Sc. Glas.

REGISTRAR—J. R. LAGESSE, B.Sc. Lond.

LECTURERS

Agricultural Meteorology — Herchenroder, M., B.Sc. Lond.

Agronomy—Coombes, Capt. A. N., B.Sc. Reading; Lesur, E.

Animal Husbandry and Vet. Science—Darné, A.; Lefébure, Y.

Biology and Entomology—Williams, J. R., B.Sc. Bristol, D.I.C., F.R.E.S.; Mamet, R.

Book-keeping—Dove, L. R.

Botany and Agric. Botany—Orian, G.; Félix, S.

Chemistry — Lincoln, R., M.A. Camb.; Berchon, F.; Lagesse, J. R., B.Sc. Lond.

Mathematics—de Sornay, A., B Sc. Lond.

Physics—Herchenroder, M., B.Sc. Lond.

Sugar Technology—Staub, S., F.C.S.; Leclézio, R.

Surveying and Agric. Engineering—Leclézio, R.

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 April.

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 for British subjects not natives of Mauritius, £20 p.a.

THE YEAR 1948–49

STUDENTS. Full-time: 28. Part-time: 5. No women students.

DIPLOMAS in Agric., 9.

CONDOMINIUM

ANGLO-EGYPTIAN SUDAN

GORDON MEMORIAL COLLEGE

KHARTOUM

Founded 1902 (as a post-secondary institution, 1945)

PRESIDENT—H.E. THE GOVERNOR-GENERAL OF THE SUDAN.
CHAIRMAN OF COUNCIL—A. GAITSKELL, C.M.G.
PRINCIPAL—L. C. WILCHER, B.A. Adel., M.A., B Litt. Oxon.
VICE-PRINCIPAL (ADMINISTRATION)—A. B. THEOBALD, B.A. Lond.
VICE-PRINCIPAL (STUDENTS' AFFAIRS)—I. A. IBRAHIM, M.B.E.
LIBRARIAN—M. JOLLIFFE, B A. Lond., F.L.A.
DEPUTY LIBRARIAN—K. O. PARSONS, B.A. Oxon.
STUDENTS' WARDEN—J. M. AHMED.

TEACHING STAFF

School of Administration and Law

Administration

Daniell, J. P. S., B.A. Oxon. Dean and Sr. Lectr.
Whitlock, M. P., B.A. Lectr.

Law

Mustafa, Mu'uwad M. (Islamic) Law Reader.
El Ghandour, A. A. W. (Sharia) Actg. Lectr.
Gow, J. J. (Civil L.) Lectr.

School of Agriculture

Agriculture

Read, J. L., B.Sc. Agric. Durh. Lectr.
Abdel Kerim, M. Lectr.

Agricultural Biology

Cobley, L. S., B.Sc. Manc. Lectr.
Darling, H. S., B.Sc., B.Agric. Belf. Lectr.

Agricultural Chemistry

Boyns, B. M., B.Sc., Ph.D. Durh. Dean and Sr. Lectr.
McDonald, P., B.Sc. Durh. Lectr.

School of Arts

Arabic

Al Nuwaihi, M M , B.A. Fuad I, Ph D. Lond. Reader.
Abdin, A. M. E., M A Fuad I Lectr.
Ishag, M. A. A., B.A. Cairo Lectr.

English

Hart, E. F., M.A., Dip.Ed. Lond. Sr. Lectr.
Donaghy, J., M.A., Ed.B. Glas. Lectr.
Stuart, A. L., M.A., Ph.D. Dub. Lectr.
Colmer, J. A., B.A. Lectr.

Geography

Howell, E. J., M.Sc. Wales, Ph.D. Lond., Dip.Ed. Wales Sr. Lectr.
Barbour, K. M., M.A. Oxon. Lectr.
Brook, Mrs. R. G., B.Sc. Durh. Lectr.

History

Oldham, C. R., M.A. Oxon. Dean and Sr. Lectr.

Shebeika, M. E. T., B.A. Beirut, Ph.D. Sr. Lectr.
Sanderson, G. N., B.A. Oxon. Lectr.

School of Design

Design

Greenlaw, J. P. Supervisor.

School of Engineering

Civil Engineering

Doughty, T., B.Sc Eng. Edin. Dean and Sr Lectr
Saad, S., B.Sc Lectr

Electrical Engineering

Mitry, W , M.Eng. Liv. Sr Lectr

Mechanical Engineering

El-Zeini, M. Y., Dip.Eng. Sr. Lectr

School of Science

Botany

MacLeay, K. N. G , B.Sc., Ph D St. And Sr. Lectr
Brook, A. J., B.Sc., Ph.D. Durh. Sr. Lectr.

Chemistry

Pyle, J. H., B.Sc. Lond., Dip.Ed. Camb. Sr. Lectr.
Thorburn, S., B.Sc. Glas., Dip.Ed. Edin. Lectr.
Royston-Pigott, Mrs. Pamela J., B.Sc. Lond. Lectr

Mathematics

Fallows, T. H., M.A. Oxon. Sr. Lectr.
Higgins, A., B.Sc Lectr.
Varnavides, P. L., Ph.D. Lond. Lectr.

Physics

Wood, G. C., M.A. Oxon. Dean and Sr Lectr.
Lougher, E. P., M A Oxon Lectr
Smith, M G., M A Oxon Lectr.

Zoology

Sandon, H., M.A. Camb., Ph.D. Rutgers Reader.
Rzoska, J , Ph D Poznan Sr. Lectr.
Girgis, S., B Sc. Fuad I Sr. Lectr
Ghobrial, S. Curator.

Khartoum Veterinary School

Anatomy

El Hagri, M A. A., B.Sc. Edin., D.V.S M., F.R.C.V.S Sr Lectr.

Pathology and Bacteriology

Garside, J. S., Ph D , D.V S M. Dean and Sr Lectr.

Surgery

Warren, A. G., B.Sc. Lond. Lectr.

GENERAL INFORMATION

This is a non-Govt. institution, 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 an Executive Cttee. in London and a Council in the Sudan of Govt. officials and private members, and advised by an Academic Board composed of the heads of Depts. with the Principal as Chairman. It 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., Science and Vet. Science, which had been formed independently of each other during the years 1938–45, were consolidated into the present College. In 1947 a School of Design was added.

ADMISSION. The qualification for admission is the Cambridge School Certif. or equivalent examn. Students entering the School of Science (Biological side) are required to have credits in General Sci. and Elem. Maths.;

those who enter the School of Science (Mathematical side) must also have a credit in Additional Maths. or Mechanics. For entry into the School of Arts, credits in at least two Arts subjects are required.

COURSES. The College has been admitted to a special relationship with the Univ. of London. After a preliminary yr. in the School of Arts or Science, the students take an examn. which is under the control of the Univ. Those who attain a sufficiently high standard are enabled to matriculate and they may then proceed first to the interm. and then to the final examn. for an external B.A. or B.Sc. degree (general) of the Univ. Those who do not qualify for the degree courses may take a diploma of the College.

Subsequent to the preliminary year, courses are as follows:—*School of Arts*: 3 yrs, leading to the London external general B.A. degree or to the Coll. diploma *School of Science*: 3 yrs., leading to the London external general B.Sc. degree or to the Coll. diploma. *School of Agriculture*: 3 yrs. after a second yr. in the School of Science, leading to a Coll. diploma. *School of Engineering*: 4 yrs. after a second yr. in the School of Science, leading to a Coll. diploma. *School of Veterinary Science*: 4 yrs, leading to a Coll. diploma. *School of Administration and Law*: (*a*) 1 yr. after 3 yrs. in the School of Arts for students studying admin. (*b*) 4 yrs. for students studying law, leading to a Coll. diploma. *School of Design*: 3 yrs., leading to a Coll. diploma.

TERMS. First, Jan. 25–May 5. Second, Aug. 28–Dec. 9.

FEES. The full fees are £55 p.a. The great majority of students, however, are free or pay only a nominal fee. Very poor students receive a small monthly allowance.

RESIDENCE. There is hostel accomm. for all students, and, except for women students, residence is obligatory.

PUBLICATION. *Calendar* (March).

THE YEAR 1949

BUILDINGS. Work continued on two new hostels, designed to hold 80 students each, with 2 in each bedroom and self-contained as to common rooms, dining-rooms, etc., and on a new Chem. Dept. for the School of Agriculture. A new Hydraulics and Heat Engines Lab. for the School of Engineering was completed.

NEW DEPARTMENTS AND POSTS. An additional lectr. was apptd. in each of the Depts. of Geog., Agricultural Chem. and Sharia Law.

OTHER DEVELOPMENTS. The course in Public Administration was revised. Instead of spending one complete yr. on this course, the students now spend one term in the College studying the principles and methods of government in the Sudan, they are then posted for a year to districts as administration officers on probation, and finally return to the College for 6 months for further training in the theory of government with special emphasis on its economic and social aspects.

Arrangements were completed for law students to take the external LL.B. degree of London Univ. under the special relationship scheme.

EXTRA-MURAL WORK. After an interval of 2 yrs., a highly successful Study Camp was held for 2 weeks at Erkowit in the Red Sea hills for 35 Sudanese and British members, drawn from a wide variety of careers. The subject for study was "The Individual and the Community."

The School of Agriculture conducted a month's course during the summer

in practical Agriculture for junior officials of the Ministry of Agriculture and Forests, and two further short courses in May and June for some 30 sheikhs.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. The College was visited during the year by D. Skilbeck, Principal of Wye Agricultural College, London; Prof. S. J. Davies (London); Miss Margery Perham (Oxford); Sir Alexander Carr-Saunders (London); Prof. B. Pattison (London); Prof. H. D. Neville (formerly of Reading); Walter Adams, Secretary to the Inter-University Council for Higher Education in the Colonies; and N. Anderson (School of Oriental and African Studies, London).

STUDENTS. Total: full-time: 320; the total includes 2 women.

APPENDIX I

QUALIFICATIONS FOR ADMISSION TO A FIRST DEGREE COURSE IN THE UNIVERSITIES OF THE UNITED KINGDOM

[This Appendix 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. 8-16 and under the several Universities. Students desiring to study in a University without intending to graduate are generally admitted if they satisfy the authorities that they are qualified to profit by the course of study they propose to take, and if accommodation is available for them. V. also pp. 87 and 375.]

GENERAL OUTLINE

A comparison of the University Regulations regarding admission discloses a general agreement in principle, with certain divergencies 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 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 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 Cambridge Local Examns. Syndicate's Overseas Certificates) has affected not only the list of equivalent examns. accepted by Univs., but, in some cases, the holding of special entrance examns. by individual Univs. At London the Matriculation Examn. will not be held after June 1951 and the special Univ. entrance examn. not after May 1951 (private candidates will, however, be accepted for the General Certificate examns. held by the Univ.). The Univ. of Wales will not hold an entrance examn. after Jan. 1952. On the other hand, the Univs. of Durham and Nottingham each retain an entrance examn. to which certain classes of candidates may enter by permission. At Oxford regulations for Responsions (and exemption therefrom) and at Cambridge the regulations for the Previous Examn. (and exemption therefrom) have been revised.

SCHOOL EXAMINATIONS—ENGLAND AND WALES. 1. The School and Higher School Certificate examns. were designed to test the work of secondary schools. Thus the First or School Certificate examn., taken

at about the age of 16, was intended to test the results of the course of general education before the period of specialization ; the Second or Higher School Certificate examn., taken at about the age of 18, was intended as a test of two years' work beyond the stage of the First Examn. In course of time, however, both examns. had superimposed upon them new functions. Thus, the First Examn came to be used as a vehicle for professional and Univ. exemption, and so as a passport to employment generally, while the Second Examn. developed into an instrument capable of selecting State scholars from an enlarged and highly competitive field.

2. In 1941 a Special Committee of the Secondary School Examns. Council was appointed, under the Chairmanship of Sir Cyril Norwood, to consider the curriculum and examns. in secondary schools. The Committee suggested that in the interests of the individual child and of the increased freedom and responsibility of the teaching profession, change should be in the direction of creating an internal examn ; but for a transitional period of at least seven years the School Certificate examn., which would become one in which there would be no grouping or minimum number of subjects required, should continue to be carried out by existing Univ. Examining Bodies. Instead of the Higher School Certificate examn. it was proposed that there should be two examns., one qualifying, the other selective.

3. The Minister of Education reconstituted the Secondary School Examns. Council in June 1946, and asked the Council to advise her as a matter of urgency on whether a reform of the examn on these or other lines was practicable or desirable. In principle the course of action which the Council unanimously recommended in their 1947 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 judgments. 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.

4. The Minister announced in April 1948, in his Circular 168, that he had decided to accept in principle and to bring into effect over a 3-year period the main recommendations of the Council affecting external examns. as follows :

(i) In 1950 the School and Higher School Certificate examns. would again be held on the same lines, but no pupil from a grant-aided school would be allowed to enter unless he was 16 by Dec. 1, 1950. It was hoped that all Examining Bodies would find it practicable to introduce Scholarship papers in 1950 and to provide all candidates who did not gain a full

. Higher School or School Certificate with a formal statement of their success in individual subjects.

(ii) In 1951 an examn. for the General Certificate of Education would supersede the School and Higher School Certificate examns. Papers would be available at three levels: "Ordinary," "Advanced" and "Scholarship"—and a pass at Ordinary level would be between the pass and credit standard in School Certificate, while a pass at Advanced level would approximate to a Higher School Certificate pass at "principal" level. All subjects would be optional and there would be no minimum or group requirements. The examn. would be open to all candidates, whether attending school or not, who were 16 by Sept. 1, and a General Certificate of Education would be issued to every candidate who reached "pass" standard in any subject at Ordinary or Advanced level, indicating the subjects and levels in which he had secured a pass.

(iii) In 1952 the standard of a pass in the Ordinary papers would be raised approximately to that of a credit in School Certificate.

5. The examns. will continue to be 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.

6. The necessary administrative measures to carry out the new policy have now been taken. In Feb. 1949 the Primary and Secondary Schools (Grant Conditions) Regulations were amended to provide for the age-limit to be applied to examn. candidates entered by grant-aided schools, and the Minister has made it clear that he would expect the age-limit to be applied universally to the examns. which he is called upon to approve. The regulations and syllabuses of Examining Bodies for the General Certificate of Education examn. in 1951 were drawn up, and the Secondary School Examns. Council, who are responsible for maintaining reasonable uniformity of practice and standards between Examining Bodies, have discussed their regulations and reviewed their syllabuses. Provision will continue to be made for schools to submit their own syllabuses of examn. to Examining Bodies.

7. 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

* *I.e.* Oxford and Cambridge Schools Examn. Board, Oxford Delegacy of Local Examns., 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).

principal level as the equivalent to a pass at the Advanced level in the new examn.

8. 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* 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.

There are also certain other minor differences of interpretation, according to local circumstances, concerning the subjects which the several Univs. recognize as approved subjects 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.

SCOTLAND. Under Ordinance No. LXX of the Courts of St. Andrews, Glasgow, Aberdeen and Edinburgh Univs., the Scottish Univs. Entrance Board has been 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 by higher standards.

The Board's Regulations are contained in a leaflet published in February 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 August. V. also pp. 1148-1155.

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. V. also pp. 1155-1156.

ADMISSION OF STUDENTS FROM THE COMMONWEALTH OVERSEAS AND FROM FOREIGN COUNTRIES. 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 qualifications: ordinarily, certificates (*e.g.* Dominion Matriculation examns., Abiturientenexamen, Baccalauréat), 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

It does not follow that any student, although having the minimum educational qualifications for admission in accordance with the preceding 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.

SPECIFIC CONDITIONS

Candidates for admission to a Univ. in the United Kingdom, unless they are graduates of a recognized Univ, 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. 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. Cambridge Local Examns. Syndicate's Overseas Certificate Examns.: (*a*) School, (*b*) Higher School.
16. Army Special Certificate of Education Examn.

* 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.

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 requirements of the individual Univ. concerned (v *infra*, pp. 1121-1125) 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, 1955, 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. 1117-1119). II. A pass in the Board's examn for candidates of mature years (v. p. 1119). III. A pass in the Board's examn. for candidates who have been engaged in industry or commerce (v. p. 1120). IV One of the qualifications listed under section IV (v pp. 1120-1121) 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 (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. 1116). The requirements 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 named 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 with-

drawal 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. 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, 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 Matriculation Examn. of the Univ. of Wales. (iv) No. 11 * (a pass at the Lower standard is not acceptable). (v) The Matriculation Examn. of the Univ. of Dublin, Trinity College. (vi) The Matriculation Examn. of the National Univ. of Ireland. (vii) No. 13 * (a pass in a subject at the Subsidiary standard is not acceptable). (viii) The Intermediate Certificate Examn., Department of Education, Republic of Ireland (only subjects passed at the Honours standard are acceptable). (ix) The Forces Preliminary Examn. (*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. Candidates who have served in the armed forces or have been engaged on other forms of national service approved by the Board for this purpose may be admitted to the examn. although

* V. *supra*, p. 1116.

they may not be 23 years of age provided that at least 12 mos. service was completed before Aug 15, 1946. Details from the Secretary.

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 nineteen years of age on July 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*) No. 12,* ‡ provided that the candidate passed at one and the same examn. in five subjects at the higher standard (a pass in either Physical Science or Natural Science will be regarded as equivalent to a pass in two sci. subjects). (*e*) No. 13,‡ provided that at one sitting 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. (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. (*g*) No. 16.‡ (*h*) The Matriculation Certificate of an approved British Univ. overseas. (*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*) The Matriculation Certificate

* 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.

† 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.

‡ V. *supra*, p. 1116.

of the Palestine Board of Higher Studies.* (*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 Baccalaureat 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.

N.B.—Leeds. Applications from persons of British nationality 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. Applicants of foreign nationality whether resident overseas or in the British Isles must 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.

At *Liverpool* the Senate, after report from the Faculty 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 such students must be received before Oct. 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 Faculty concerned that they have a knowledge of English sufficient for the purpose of their work. Such students must submit their applications for admission not later than Oct. 1 in each year. Except by special permission of the Senate, no student who is not normally resident in Great Britain will be admitted to classes or courses of study in the Univ. unless he is accredited on personal and academic grounds and is assured of adequate financial support by his own Government or by some approved academic institution.

Special Regulations for Entrance to Faculties

Birmingham. *Science.* Candidates for admission to an Hons. course in any Pure Science subject or to the second year of any applied Science course must have passed in three science subjects at Advanced standard at the same examn.

* 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.

Arts. Candidates for admission to an Hons. course must have passed in three subjects at Advanced standard, normally at the same examn. In addition, they must have passed at Ordinary standard in Latin for admission to the Schools of French, Italian, Spanish and History, and in Latin or Greek for admission to the School of English.

Medicine. Candidates for admission to the second year of Medicine or Dentistry must have passed in Physics, Chem. and Biol. (or Bot. and Zool.) at Advanced standard at the same examn.

Commerce. Candidates must normally have passed in three subjects at Advanced standard. Maths. must have been passed at least at Ordinary standard.

Law. Candidates for admission to the Faculty must, in addition to the Matriculation requirement, have passed in Latin at Ordinary standard in the General Certificate.

Note. Higher and School Certificate qualifications equivalent to the qualifications based on the General Certificate of Education will still be accepted by all Faculties.

Leeds. The following special requirements are made for entry upon courses leading to the respective qualifications: (*a*) *B.A.* in Special Studies in French, Spanish or Italian or in the Modern Languages combination when one or more of these subjects form part of the combination—a qualification in Latin equivalent to the Credit standard in the School Certificate Examn. of the Joint Matriculation Board. (*b*) *M.B., Ch.B. and B.Ch.D.*—Faculty requirements are at present under consideration and information will be available in current prospectuses.

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 Examination for the General Certificate of Education 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.

Liverpool.* *Arts.* Applicants for the Faculty of Arts must have passed in three subjects of the General Certificate of Education at the Advanced level, and in Greek or Latin or Maths., if not included in these three subjects, at the Ordinary level.

Candidates who have qualified in Maths., but not in Greek or Latin, will be required: (*a*) *For the degree of Bachelor of Arts in General Studies* to take not less than five courses of the nine required from the following subjects: Geog., Economics, Economic History, Sociol., Political Science and Psychol. (*b*) *For the degree of Bachelor of Arts*

* These special regulations are subject to review in the near future.

in Special Studies to present themselves in any one of the following four schools: Geog., Economics, Social Science, Psychol.

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; from whom also may be obtained details of qualifications necessary for exemption from the first session of a course of study in this Faculty.

Medicine, Dental Surgery. The Faculty recommends that the subjects of Physics and Chem. should be included at least at the "Ordinary" level in the subjects taken in the General Certificate of Education. Exemptions will be granted in the individual subjects of Physics, Chem. and Biol. in the First M.B., Ch.B., or B.D.S. examns. to candidates who have passed in such subjects at the Advanced level in the examn. for the General Certificate of Education; but as soon as accommodation and teaching staff are available all exemptions from the courses of study and examns. for the First M.B., Ch.B., or B.D.S. examns. will be withdrawn.

Veterinary Science. For the present, exemption from the courses of study and examns. in Chem. and Physics will be granted to students who have passed in these subjects at the Advanced level in the examn. for the General Certificate of Education, but the position will be reviewed after the revised system of matriculation has been in operation for two years.

Law. The Faculty 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 Faculty, does not possess the qualification 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 Faculty of Engineering are designed on the assumption that students have some previous knowledge of Maths, Physics and Chem. Candidates are recommended to present in the Examn. for the General Certificate of Education (*a*) Maths. at the Ordinary standard (Syllabus II); and (*b*) either Physics or Chem. (or, preferably, Physics and Chem.) at the Ordinary standard. In view of the small number of places in the first year of study, candidates are recommended to obtain qualifications which will exempt them from the first year of study and from the Intermediate B.Eng. Examn.

Exemption from the First Year of Study and Intermediate B.Eng. Examn. may be granted under certain circumstances to candidates who have passed the Examn. for the General Certificate of Education.*

Candidates who have passed the Examn. for the General Certificate of Education but have not reached a sufficiently high standard for exemption from the first year of study and Intermediate B.Eng. Examn. may be considered for such exemption provided that they

* Or who hold a Cert. of the appropriate standard of any of the following bodies: (1) Oxford Local Examns. Delegacy. (2) Cambridge Local Examns. Syndicate. (3) Oxford and Cambridge Schools Examn. Board. (4) Welsh Joint Educn. Cttee. (5) Univ. of Durham. (6) Univ. of London.

satisfy the examiners in Pure Mathematics and Applied Mathematics separately in the Intermediate Examn. before entering the Univ.

Manchester. Students entering for the following degree courses must have reached the Ordinary or a higher level in an examn for the General Certificate of Education in the subjects named or give evidence of having attained an equivalent standard: 1. Hons. Schools in *Arts* (save 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. *Science*—Maths. 3 *Law*—Latin 4. *Medicine*—Maths. 5 *Dentistry*—Maths. 6. *Technology*—Maths. (*Note*· Wherever 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.

Sheffield. *Arts.* With certain exceptions to be mentioned below, candidates who have not passed in a language at Ordinary standard, at least, in the General Certificate of Education Examn., or at Credit standard in the School Certificate Examn., must, before admission to the Intermediate course, satisfy the Hd. of the Dept. concerned that their knowledge of the lang. is sufficient for them to profit by the course in that subject. Similarly, a student who wishes to include Music in his degree course must satisfy the Hd. of that Dept. as to his proficiency in that subject. Candidates who have passed in either Latin or French at the Ordinary standard in the examn. for the General Certificate of Education (or at Credit standard in a School Certificate examn.) may be admitted to the Intermediate course in Spanish without any previous knowledge of that lang. The course for beginners in Greek is recognized as a full Intermediate course under certain conditions. A qualification in Latin or Greek is required before admission to certain of the Honours Schools. Details of the requirements for admission to Honours Schools should be ascertained by application to the Registrar of the Univ.

Law. Students who intend to read for the degree of LL.B. must have passed in Latin at the Ordinary standard at the examn. for the General Certificate of Education or at some examn. of higher standard.

Pure Science. Students desiring to enter Special Honours Schools may be allowed to take the higher courses of instruction for the first-year qualifying examn. in one or more of the subjects: Maths., Physics, Chem., Zool., Bot., Biol., Biol. and Geog., if they have passed in the respective subjects at an approved standard in the Advanced papers of the General Certificate of Education (or Principal papers of the Higher School Certificate).

Engineering. For admission to degree courses in *Civil, Mechanical*

and Electrical Engineering applicants must have passed at a satisfactory standard the Advanced papers of the General Certificate of Education in Maths., Physics and Chem. (or the Principal papers in Maths., Physics and Chem. of the Higher School Certificate). If Maths. and Theoretical Mechanics (Advanced) is taken instead of Advanced Maths., a pass standard will be acceptable. Applicants for admission to degrees in *Mining, Fuel Technology and Glass Technology* should have obtained passes in the General Certificate of Education in Maths., Physics and Chem., at least two of the passes being at Advanced level (or Principal level in the Higher School Certificate examn). Candidates who have reached a standard satisfactory to the Faculty in the three subjects as specified, all at the Advanced (or Principal Higher School Certificate) level, will be exempted from the Intermediate examn. in these subjects.

Metallurgy. Applicants for admission to degree courses in Metallurgy are advised to include Maths., Physics and Chem. in the examn. for the General Certificate of Education. Candidates who wish to be admitted to the first year of the *Honours* course must have passed the Advanced (or Principal Higher Certificate) papers in these three subjects at a standard satisfactory to the Faculty.

Medicine. Applicants should normally have reached at least the Ordinary standard in the General Certificate of Education (or Credit standard in the School Certificate examn.) in the subjects of Chem. and Physics, and preferably also Biol. Exemption from the first M.B., Ch B. examn. may be gained under conditions which should be ascertained by application to the Dean of the Faculty.

BRISTOL

The Univ. holds no Matriculation or Entrance Examn. (except for candidates engaged in Industry or Commerce) but recognizes the examns set forth below as qualifying for matriculation, provided that the following special Faculty requirements are fulfilled: For B.A.—candidates must have passed at Ordinary or Advanced level in Latin or Classical Greek in the General Certificate of Education (or equivalent) or reached a recognized equivalent standard in Classical Arabic (in the case of nationals of Arabic-speaking countries). For B.A. (Com.).—candidates must have passed at Ordinary or Advanced level in a mathematical subject and in either French or German. For LL.B.—candidates must have passed at Ordinary or Advanced level in Latin or give evidence of such proficiency in Latin as may be satisfactory to the Board of the Faculty of Law.

Qualifying Examinations (v. *supra*, p. 1116).

(*a*) General Certificate of Education Examinations held by Nos. 3, 4, 5, 6, 7, 8, 9 and 10 provided (v. *supra*, p. 1114, section 8) 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 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 or Mediæval and Modern History or Biblical History and Lit. 4. Geog. 5. Economics. 6. Music or Art or Religious Knowledge or Domestic Science. 7. Greek. 8. Latin. 9. French. 10. German. 11. Any other approved language. Group II: 12. Maths. or Pure Maths. or Pure and Applied Maths. 13. Applied Maths. (May not be taken with Pure and Applied Maths.) 14. Physics. 15. Chem. 16. Physics-with-Chem. (May not be taken with either Physics or Chem.) 17. General Science. 18. Bot. 19. Zool. 20. Biol. (May not be taken with either Bot. or Zool.) 21. Geol.

No subject may count at 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 14 to 21 inclusive are approved Science subjects for the purposes of Matriculation under Schemes A and B.

(*b*) Nos. 1, 2 (v. *supra*, p. 1116).

(*c*) Nos. 11, 12, 13, 14, 16 (v. *supra*, p. 1116).

(*d*) Graduation in a Univ. in the U.K. or in some other approved Univ.

(*e*) First and/or Higher School Certificates provided they fulfil the regulations in force before the inception of the General Certificate of Education.

(*f*) Trained certificated teachers' qualifications under certain conditions.

(*g*) Passing Out Examn. of the Royal Naval College, Dartmouth.

(*h*) Forces Preliminary Examn., subject to interview.

(*i*) Sufficient qualifications for original research in case of candidate for a research degree.

(*j*) In exceptional circumstances sufficient education and attainments in the case of candidates over 23 years.

(*k*) Barristers-at-Law and Solicitors of the Supreme Court.

(*l*) Examns. qualifying for matriculation in any Univ. of the U.K. or of a British Overseas Univ.

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 General Certificate of Education. (*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 General Certificate of Education. Candidates who hold a First School Certificate and would have fulfilled the Univ.'s requirements for matriculation by securing a Higher School Certificate under present

Regulations will be declared qualified for matriculation if they pass in three 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. equal to any of those qualifying for matriculation at Bristol and, if necessary, of ability to follow instruction given in English.

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. 90) and certain others, may be matriculated who has not passed or been exempted from the Previous Examn.

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 at least 12 months beforehand. Candidates from overseas may be assisted by the Adviser to Overseas Candidates for Admission, The University Registry, 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/or 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*) in Part I, and Arabic, Chinese, Sanskrit, Persian, or Pali, in lieu of I (*a*).

Exempting Examinations

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 1951–53 in General Certificate of Education Examns. held by Nos. 3-10*; pass at lower standard in Nos.

* V. *supra*, p. 1116.

11, 12*; pass otherwise than at subsid. subject 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, until 1954.

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 Forces Preliminary Examn. is also recognized for the purposes of exemption for some candidates. 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 and European Candidates. A certificate qualifying for admission to an approved Univ. in a British Dominion 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 Interm. 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. leading up to the B.A. or B.Sc. in that Univ. he has passed in Arabic, Persian, Persian-with-Arabic, Sanskrit, Hindi-with-Sanskrit, Pali, Urdu-with-Persian, or Bengali-with-Sanskrit, in Maths. or Science, and in English. Univs. approved for this purpose are the "Associated Institutions" (*see* below) together with the Univs. of Andhra, Banaras and Nagpur.

A candidate who has attained the 1st Class in the Interm. Examn. held by the Board of High School and Intermediate Education of the United Provinces of India, or by the Board of High School and Intermediate Education, Rajputana, Central India, and Gwalior, or in the Intermediate Examn. of the Board of Intermediate 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 language, Maths., English, and History 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,

* V. *supra*, p. 1116.

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. A graduate of an " Associated Institution " who has been a member of it for 3 yrs. is entitled to the privileges of an Affiliated Student. The " Associated Institutions " are: (1) all the Univs. of Gt. Britain and Ireland, and St. David's Coll., Lampeter, (2) in Canada—Acad., Alta., Bishop's Coll., Br. Col., Dalh., Laval, McGill, McMaster, Manit., Montr., Mt. All., New Bruns., Ottawa, Queen's, Sask., Tor., W. Ont.; (3) in Australia—all; (4) New Zealand; (5) Hong Kong; (6) in S. Africa—all; (7) in India—Agra, Alig., Alld., Bom., Calc., Dacca, Delhi, Luck, Madras, Mysore, Osmania, Panj., Patna; (8) Rangoon; (9) in U.S.A.—Amherst Coll., Bowdoin Coll., Bryn Mawr Coll, California, Cath. U. of America, Chicago, Columbia, Cornell, Dartmouth Coll., Georgetown, Harvard, Haverford Coll., Johns Hopkins, Mass. Inst. of Tech., New York, N. Carolina, Ohio State U., Pennsylvania, Princeton, Radcliffe Coll, St. Louis, Smith Coll., Stanford, Swarthmore Coll., Vassar Coll., Wellesley Coll., Williams Coll., Wisconsin, Yale.

The following may also be admitted as *Affiliated Students*: (*a*) certain adult students recommended by the Board of Extra-mural Studies; (*b*) certain other students on a Grace proposed by the Council of the Senate. 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., or for degrees in Law or Music, and (*b*) degrees other than the ordinary B.A. degree or degrees of M.Sc., M.Litt., and Ph.D.; (3) secure such a degree in certain circumstances on 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. 87.

DURHAM

I. 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.

II. General Qualification for Matriculation. The General Certificate of Education awarded by Nos. 3, 4, 5, 6, 7, 8, 9 and 10 (v. *supra*, p. 1116) 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., Physics, Chem.-with-Physics, 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. School Certificate credits 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. Until October 31, 1955, the Univ. 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 Certificate would qualify to matriculate in a Univ. in England.

III. Special Qualifications for Particular Courses. (1) Students entering upon courses for degrees named below and submitting a General Certificate of Education must not only satisfy the general requirements for matriculation but must also satisfy the following special requirements : *B.A. in General Studies, B.A. with Honours* (except B.A. with Honours in Town and Country Planning) : Latin or Classical Greek at Advanced or Ordinary level. (Candidates entering certain Honours Schools or offering certain languages must comply with further requirements in regard to languages.) *B Sc. in Applied Science* (excluding Metallurgy) : Pure and Applied Maths. at Advanced level, either as a joint or as two separate subjects, and Physics and Chem. at either Advanced or Ordinary level. (Maths. at Ordinary level in the General Certificate of Education may be supplemented by Additional Maths. in the Entrance Examn.) *B.Sc. in Metallurgy* : Maths., Physics and Chem., of which one shall be at Advanced level. *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 General Certificate of Education 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 qualifi-

cation 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 General Certificate of Education, or a certificate referred to in paras. IV (2)-(6) *infra*, 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.

IV. 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 General Certificate of Education. 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 matriculate if it includes any special qualification required.

(3) No. 13 * will qualify under the same condition.

(4) The Honours Leaving Certificate of the Dept. of Education of Eire or 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 Western Union, provided that the certificate qualifies for admission to an approved Univ. in the country in which it was awarded. The certificate of the Junior 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

* V. *supra*, p. 1116.

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 Baccalaureat.

LONDON

In 1951 not only will the present School Certificate examns. be replaced by the Examn. for the General Certificate of Education, but there will also be a significant change in the requirements for matriculation The present Matriculation Examn. will be held for the last time in June of that year, and, consequently, exemptions from the Matriculation Examn. will no longer exist. Before dealing with the new system it may perhaps be helpful to indicate the arrangements that have been made for the carry-over from the old to the new conditions

(1) Candidates who qualify for full exemption from the Matriculation Examn. on the School Certificate alone or on a combination of Higher School and School Certificates will be able to register as Matriculated Students up till April 30, 1951.

(2) No Matriculation Certificate or exemption certificate will be issued after April 30, 1951.

(3) 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.

(4) Candidates who gain a School Certificate in or before 1949 and who pass in three Advanced level subjects in 1951 will satisfy minimum entrance requirements.

Under the new conditions, it should be noted that it will not be possible for a student to matriculate unless and until he registers as an Internal Student or as an External Student. The procedure will be that the holder of a General Certificate of Education will submit it to the Univ. for decision as to whether or not it satisfies minimum entrance requirements. If it does, he will be so informed and at the same time will be 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 will be exacted at the time of registration as an Internal or External Student.

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 (v. *supra*, p. 1116). 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 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); 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. Elementary Statistical Method & Accounting (A); 33. General Science (O); 34. Additional General Science (O); 35. Bot. (O, A); 36. Zool. (A); 37. Biol. (O, A); 38. Rural Biol. (O); 39. Music (O, A); 40. Art (O, A); 41. Handicraft (O, A), 42 Domestic Subjects (O, A).

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 40, 41 and 42 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 39-42.

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 accepted by those 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.

* (O. = Ordinary level; A. = Advanced level.)

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.

Music. Applicants for admission must have passed at Ordinary or Advanced level in a modern foreign lang.

Medicine. No additional requirements will be imposed for entry to the Faculty in 1951, but the conditions for entry after 1951 will be reviewed.

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.

Special Provisions

1. A pass in a subject entered on a Certificate gained in one of the following examns. prior to, and in, 1951 will be regarded as equivalent to a pass at Ordinary level in the corresponding subject at the General Certificate of Education Examn. :

Nos. 2, 11, 12, 13* and 14 (v. *supra*, p. 1116); *Passing Out Examination of the Royal Naval College, Dartmouth; Matriculation Examination of the University of Wales; Matriculation Examination of the National University of Ireland; *Leaving Certificate of the Department of Education, Eire; Adelaide Leaving Certificate; Melbourne School Leaving Certificate; New South Wales Leaving Certificate; Queensland Senior Public Examination; Matriculation Examination of the University of Sydney; Tasmania Public Leaving Certificate; Western Australia School Leaving Certificate; University of New Zealand Entrance Examination; New Zealand Department of Education School Certificate; *Matriculation Examination of the South African Joint Matriculation Board; National Senior Certificate (Matriculation Equivalent) of the Union of South Africa; *Secondary School Senior Certificate of the Department of Public Education, Cape of Good Hope; *Transvaal Secondary School Certificate; *Orange Free State School Leaving Certificate; Ontario Upper School Certificate; British Columbia Senior Matriculation Examination; *Ceylon Government Senior School Certificate (English); Matriculation Examination of the University of Hong Kong.

Candidates holding any of the above certificates may satisfy minimum entrance requirements by passing at the General Certificate of Education Examn. in two subjects at Advanced level, together with such Ordinary level subjects as may be required to satisfy the conditions of Scheme A or Scheme B.

2. A candidate may satisfy minimum entrance requirements if he has attained the age of 20 and has passed in five subjects at the Examn. for the General Certificate of Education, of which at least three must be at the Advanced level and must be passed on the same occasion, and one of the five subjects must be English Lang. The

* In examinations marked with an asterisk the standard acceptable for matriculation is subject to special conditions.

three subjects at Advanced level must be passed after attaining the age of 20.

3. A candidate who has attained the age of 25 and thereafter passes in three subjects at Advanced level at the General Certificate of Education may apply to be interviewed by a Board which will assess 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 a candidate to present himself for examn. in additional subjects if thought desirable.

4. 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 Matriculation and Schools Examinations Council, University of London, Senate House, W.C 1.

5. 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—Acadia, Alta., Bishop's Coll., Br. Columbia, Dal., King's, Laval, McGill, McMaster, Manit., Montr., Mt. Allison, Ottawa, New Bruns., Nova Scotia Tech. Coll., Queen's, Saskatchewan, St. Francis Xavier Univ., Nova Scotia, Tor., Vict. (Tor.), W. Ontario; Australasia—Adel., Melb., Qld., Syd., Tas., W.A., N.Z.; S. Africa—Cape, Cape Town, Pretoria, Natal, S. Afr., Stell., Witw.; India—Agra, Aligarh, All., Andhra, Annamalai, Banaras, Bom., Calc., Delhi, Gauhati, Lucknow, Madr., Mys., Nagpur, Osmania, Patna, East Panjab, Rajputana, Saugar, Travancore; Pakistan—Dacca, Panj., Sind; Ceylon; Hong Kong; Malta; certain Univs. in countries outside the British Commonwealth.

NOTTINGHAM

The Univ. conducts a Univ. Entrance and Special Entrance Examn. in March at Nottingham. Candidates for the Entrance Examn. must be at least 17 years of age and pass in five subjects taken at one and the same examn., which must comprise (i) English, (ii) a lang. other than English, (iii) Maths. or an approved Science subject, and (iv) two other approved subjects. The Special Entrance Examn. is open to candidates who are over 21 years of age, and consists of (i) English, (ii) either Maths. or an approved Science subject, (iii) two other subjects chosen according to the proposed degree course.

Exempting Examinations

A candidate shall be eligible to matriculate if he possesses one of

the following: (*a*) a General Certificate of Education * awarded by Nos. 3-10† satisfying the requirements set out in section 8 on p. 1114 above. (*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 December 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 at one sitting the holder reached credit standard in English and in four other subjects, including at least one subject from each of Sections II, III and IV of Appendix A (passes with credit in subjects offered at subsidiary standard are not acceptable). (*g*) The Leaving Certificate of the Dept. of Education, Eire, provided that the holder passed with Hons. at one and the same examn. five subjects approved by the Univ., and that certificates gained after December 1, 1947, must include passes in at least one subject from each of Sections II, II 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 December 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 Baccalaureat 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

* 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. 1116.

December 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.

Appendix A

Section I

1. General Paper.

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. 5. Geog. 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 and Biol.) 34. Geol. 35. Elementary Physiol. (O only).

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.

36. Domestic Subjects (O only). 37. Handicraft (O only). 38. Geometrical and Machine Drawing (O only). 39. Music. 40. Art.

* 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 for entry to Honour Schools (other than Maths. and the School of Politics, 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 admission to Honour Schools of Classics, English, French, German and Spanish Studies will be required to have passed in Latin at least at Ordinary standard, and candidates for admission to the Honour School of History will be required to have passed in Latin or French or German at least at Ordinary standard. Candidates for admission to the Honour School of Maths. will be required to have passed at Advanced standard in Maths. counting as two subjects and including both Pure and Applied Maths. Candidates for the School of Politics, Economics and Social Science will be required to have passed at Advanced standard in any two subjects.

Degree of LL.B. Candidates for admission to the Intermediate course will normally be required to have an Ordinary pass in Latin in the General Certificate, but may be permitted to furnish other evidence of proficiency in Latin satisfactory to the Hd. of the Dept. of Law and the Board of the Faculty not later than the beginning of the candidate's second year of study.

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 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 to the Intermediate Course 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. and accepted for direct entry to one of the courses in preparation for a Final Degree Examn., if they furnish evidence of having passed at Advanced standard in certain specified subjects in the General Certificate of Education. Further details from the Registrar. In exceptional cases, with the approval of the Hd. of the Dept. concerned and of the Board of the Faculty, other candidates may be permitted to enter direct upon Final Degree Courses.

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

Degrees of B.Sc. (Agric.) and B.Sc. (Hort.). All candidates will be required to have passed at Advanced standard in Chem.

Faculty of Applied Science

Degrees of B.Sc. (Min.) and B.Sc. in Civil or Mechanical Engineering. Candidates 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, and at Advanced or Ordinary standard in Chem. Candidates who have reached only Ordinary standard in Chem. will be required to follow a course and take an examn. in this subject at the end of their first year.

Degree of B.Sc. and Electrical Engineering. Candidates may be exempted from the Intermediate course and examn. and accepted for direct entry into the Final Degree Course if they have passed at Advanced standard in Pure Maths., Applied Maths. (or Pure-and-Applied Maths.) and Physics.

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, *e.g.* Balliol and Queen's—The Senior Tutor; Brasenose and New College—The Tutor for Admissions; St. Catherine's Society—The Rev. the Censor; in other cases—The Hd. of the Society. (*See* Colleges, etc., under Oxford Univ.) It should be made, if possible, a year or more before residence is contemplated, especially if rooms within the Coll. are desired. Except for certain classes of persons the passing of an entrance examn. is a condition of admission to matriculation.

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.

Latin or Greek taken early. A candidate is permitted to offer Latin or Greek as a single subject: if he satisfies the Masters of the Schools in Latin or Greek under this regulation, he is required to pass in all four remaining subjects subsequently at one examn. in order to pass Responsions.

A candidate who has passed in Latin or Greek as a single subject in the Previous Examn. of the Univ. of Cambridge is permitted to pass Responsions on the same conditions as a candidate who has passed in Latin or Greek under this regulation in Responsions.

Exempting Examinations

Great Britain and Ireland, etc. A. Exemption may be obtained by persons accepted for admission as Service Students or Imperial Forest Service Students or Special 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: (i) obtained a General Certificate of Education awarded by Nos. 3, 4, 5, 6, 7, 8, 9 and 10 (v. *supra*, p. 1116) subject *inter alia* to passing at the Ordinary or Advanced level in English Lang., and two of the langs., Latin, Greek, French, German, Italian, Spanish, Russian of which Latin or Greek

must be one ; *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, Durham, Leeds, Liverpool, London, Manchester, Sheffield, Bristol, or one of the examns. numbered 2, 12, 13, 14, 15 (*a* & *b*), 16 * (v. *supra*, p. 1116), provided that he has passed *inter alia* in two of 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 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 the Dominions of Canada or New Zealand or in the Commonwealth of Australia which satisfy the requirements for entrance to a Univ. in the said Dominions or Commonwealth, such Univ. having been approved by the Hebdomadal Council for the purposes of Senior Status ; Univ. of Malta Matriculation ; Univ. of Hong Kong Matriculation Examn.

[India—*See* A above.]

Palestine. Exemption will be granted to any Palestinian student provided that he holds the Matricn. Certif. of the Palestine Board of Higher Studies, showing that he passed with credit in English (Syllabus A), either Arabic or Hebrew (Syllabus A), and in one of the languages, Latin, Greek, French, German (Syllabus B).

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, Czecho-Slovakia, 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 parts of 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 :

* Latin or Greek must be added to this certificate at Responsions.

(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 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. 376.

READING

The University holds no Matriculation Examination.
Matriculation, minimum age 17, is open to:

* 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.

1. Graduates of Univs. in the United Kingdom or other approved Univs.

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.

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, Social and Economic Psychol., Social and

* Until further notice, four passes with credit at one examn. and one pass with credit obtained at another examn. may be accepted.

Economic Philosophy, Philosophy and German, provided that, except with the express permission 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 five years thereafter* persons who have obtained passes in the General Certificate of Education (v. *supra*, p 1116) 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. Maths. (O, A); 21. Applied Maths. (O, A) (may not be counted at Advanced standard unless Maths. has been taken at Ordinary or Advanced standard); 22. Physics (O, A); 23. Chem. (O, A); 24. Physics-with-Chem. (O, A) (may not be counted with Physics, Chem., or General Science); 25. Bot. (O, A); 26. Zool. (O, A); 27. Biol. (O, A) (may not be counted with Bot. or Zool.); 28. Geol. (O, A); 29. General Science (O) (may not be counted with Physics, Chem., Bot., Zool., Geol. or Biol.); 30. Physiol. (O) (may not be counted with Zool. or Biol.).

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.

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. 2-19 must offer one subject chosen from Nos. 20-30; candidates who offer two subjects at

* O. = Ordinary standard; A. = Advanced standard.

Advanced standard chosen from Nos. 20-30 must offer one subject chosen from Nos. 2-19.

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).

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. 1116) which is acceptable to any Matriculating Body in England or Wales.

WALES

The Matriculation Examn. will not be held after January 1952 (for regulations of this examn. *see* pp. 1100-1101 of 1949–50 *Yearbook*), and admission will be 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).

* Subject Nos. 18-29 are approved Science subjects.
† O. = Ordinary level; A. = Advanced level.

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 which is not related to the other two and two of which are at Advanced level. " Related " subjects are: (1) 8-12; (ii) 14-28.

The minimum age for matriculation is 17 years.

Note The certificates of candidates desiring exemption must in general comply with the conditions of exemption in force at the time of the award of the certificates, but, if their certificates satisfy the present examn. requirements, the Univ. will be prepared to consider applications from the candidates.

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.

Great Britain and Ireland. General Certificates of Education awarded by Nos. 3-9 (*v. supra*, p. 1116), 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. V. *supra*, p. 1116.

Dominions and Foreign. The matriculation examn. of a Univ. in Canada, Australia, New Zealand, or South Africa, which is listed in the *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 Univ. of Malta, Hong Kong, or

Ceylon, or the examns. for the French *Baccalauréat*, or the Iraqi *Baccalauréat*, 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.

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.

UNIVERSITY COLLEGE OF NORTH STAFFORDSHIRE

The following will be eligible for matriculation for session 1951–52 :

1. *General Certificate of Education.** Holders of a General Certificate of Education awarded by Nos. 3-10 (v. *supra*, p. 1116) which satisfies the requirements stated on p. 1114, section 8, *supra*.
2. Graduates of United Kingdom or other approved Univs.
3. Students eligible for admission to any United Kingdom Univ.
4. Holders of Higher School Certificates approved as such by the Ministry of Education (under their scheme for the better organization of examns. in Secondary Schools) provided they also hold a First School Certificate under the said scheme.
5. Holders of School Certificates approved as such by the Ministry of Education under the said scheme ; provided that the certificate shows a pass with credits in five subjects taken at one and the same

* Transitional provision is 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 the equivalent to a pass at the Advanced level in the new examn.

examn. Of these five, one must be English Lang, and the other four must be separate subjects. The meaning of separate subject is that that 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.

6. Holders of academic certificates, or proof of academic attainment, accepted as equivalent to para. 5.

7. Candidates who have been engaged in Industry or Commerce provided that they (i) have been so engaged for a period of not less than three years, and have been interviewed. If approved at the interview they will be allowed to sit for a special entrance examn. approved by the Academic Council. This examn. will be designed to test the candidate's capacity to benefit by the courses of study in the Coll. (ii) have attained the age of 19 on October 1, 1951.

8. Candidates of mature years may be admitted on conditions similar to those detailed in para. 7 above.

There are no Faculty requirements.

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 in any British or Foreign Univ. recognized by the Board been admitted to a Degree in Arts, Law, Pure Science, Engineering or Medicine.

(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; II. Maths., Dynamics, 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 and such other langs. as may from time to time be recognized for the purpose by the Board; IV. History, Geog., Music (Appl. Sci. and Art—[Scottish Leaving Certif. only]). 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 Group I and in either a Group II or a Group III subject; 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 (v. *supra*, p. 1116) approved by the English Minister of Education and showing that passes have been obtained in not more than two sessions of examn. 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: English Language (which may be taken outside the two Sessions). Group I, English Lit.; Geog.;

History. 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, there must be three passes at Advanced level, one at least from Group II or Group III and three from not fewer than two of the Groups.

Note 1. 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 as if they were passes at the Advanced level in the General Certificate of Education, if collectively they satisfy this rule.

Note 2. No. 13 (v. *supra*, p. 1116) will be accepted 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, and 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.

(4) Passes at 50 per cent, or better, shown in a Certificate qualifying the applicant for entry on a degree course in Arts or Pure Science at a recognized Univ. of the Republic of Ireland, Canada, Australasia or the Union of South Africa, will be accepted as equivalent to passes at the Ordinary level in partial satisfaction of the Rules in Sub-Section A of Part A of the Board's *Regulations*. The supplementary passes at Advanced or Ordinary level required to complete such qualifications must be obtained at one sitting, either of an English General Certificate of Education Examn. (v. *supra*, p. 1116), held at any centre overseas or in the United Kingdom, or of the Scottish Univs. Preliminary Examn., in which case all passes must be on the Higher standard.

(5) Evidence of the satisfactory completion of the second year of a course leading to a degree in Arts or Pure Science, or of the pre-medical course, of a Univ. or Coll. in the U.S.A. currently approved by one or other of the following accrediting Associations: Association of American Universities, Middle States Association of Colleges and Secondary Schools, New England Association of Colleges and Secondary Schools, North Central Association of Colleges and Secondary Schools, Northwest Association of Secondary and Higher Schools, Southern Association of Colleges and Secondary Schools, on condition that 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 years of his academic course: English, Foreign Langs., Maths. (Pure and Applied), Science, History, Geog., Art, and Music; or

(6) A School Leaving, Matriculation, or Univ. Entrance Certificate awarded in any one of the following countries and qualifying unconditionally for entrance on a course leading to a Degree in Arts or Pure Science 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 Rule I of Part A of the Board's *Regulations*, 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 one from Group II or Group III) 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 Board's own Preliminary Examn.; Provided that exemption from this condition will be granted if the Grade " Very Satisfactory " has been awarded in English (written and oral). Provided further that such a Certificate lacking a pass in one only of the six requisite subjects, or defective only in respect of the Grade of pass required in one subject, may be made good in the manner indicated in the second sentence of paragraph (4) above.

The countries are: Norway, Sweden, Denmark, Iceland, Holland, Belgium, France, Switzerland, Western Germany and Italy.

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.

Special Regulations for Entrance to Classes

Aberdeen. In the case of Greek, Hebrew, Arabic, Syriac, Mathematics, and Music, a student shall 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 University Preliminary Examination. Where a student desires to attend a course qualifying for graduation and does not satisfy the above condition, he shall 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.

Edinburgh. Certain preliminary passes are required for entrance to certain classes and for entry upon or to follow 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.

Preliminary Qualifications Necessary for Attendance at Certain Classes and for following the Curricula for Certain Honours Groups

Arts and Commerce. Ordinary classes in Latin, Greek, French, German, Italian, Spanish, Celtic.—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 Interm. 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 (for those specializing in Language).—A reading knowledge of German.

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.—A knowledge of grammar of the lang., and ability to read a simple text.

Russian.—A pass in the elementary class examn., or some equivalent evidence of proficiency.

Music.—A pass in Music in the Leaving Certif., or some equivalent evidence of proficiency. A pass in a qualifying examn. held in March and September consisting of one written paper and an oral and practical test.

Maths., 1st Ordinary, and Natural Philos., 1st Ordinary—for students not proposing to go beyond first 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 first 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 first ordinary course in Maths., and of Dynamics as represented by the 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.

The 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 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 text 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. Maths., Technical Maths., Physics (Nat. Philos.), Chem., Astronomy, Meteorology—As for Arts. In Biological curricula Maths. on the Lower standard may be accepted.

Engineering.—A pass in Higher Maths. and in Physical Science (Physics and Chem.) in the Leaving Certif. (or its equivalent)

As Maths. or Physics is a class included in most curricula for the Ordinary degree in the Dept. of Pure Sci. it is desirable that Higher Maths. should be included in the Leaving Certif. (or its equivalent).

Similarly, Tech. Maths. or Physics is included in the curriculum for a degree in the Depts. of Engin., Mining, Tech. Chem., Agric. and Forestry.

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 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 College, Trivandrum; Ripon College, Calcutta; Univ. of Rangoon; McGill Univ.; University College and King's College, London; the Colls. and Univs. approved by the Association of American Universities. The exemption granted is only in respect of attendance 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.

Glasgow. *Arts.*

(*a*) Ordinary Classes of Humanity, Greek, French, German, Italian, Spanish, Russian, Celtic, Arabic; Senior Class of Hebrew.

(*b*) Ordinary Classes of Mathematics, Natural Philosophy and Astronomy.

Attendance on any of these classes shall not, except as hereinafter

* Any student holding a certif. admitting him to an English, Irish or Welsh Univ. will be exempted by the Entrance Bd. from Examn. (1).

† Applications for exemption should be addressed to the Dean of the Faculty of Medicine.

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 Preliminary Examination or on the corresponding standard in another examination recognized as equivalent; but a student not so qualified, if for special reasons he has been admitted to any of these classes by the Head of the Department concerned and has passed in the subject of the class (for (*b*) in Maths.) on the Higher standard in the Spring Preliminary Examination 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.

(*c*) Intermediate Classes of Humanity, Greek, French, German, Italian, Spanish, Arabic; Higher Classes of English, Russian, Celtic, Hebrew, Logic, Moral Philosophy, Political Economy, History, Scottish History, Constitutional History, Mathematics, Natural Philosophy, Geography, Music; Classes of Roman History, Greek History, English Language, Political Philosophy and Social Economics.

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, History, Constitutional History; Honours Classes of English, French, German, Italian, Spanish, Celtic, History, Scottish History and Literature.

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 Preliminary Examination or in another examination recognized as equivalent; but the Faculty 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*) Honours 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 Preliminary Examination or in another examination recognized as equivalent, or that he has diligently attended a non-qualifying class in Greek; but the Head of the Department 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 Faculty of Arts and the admission of a student under this provision shall be subject to confirmation by that Faculty.

(*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 Examination, or (*b*) attended the Elementary Class and satisfactorily performed the class work; but the Head of the Department 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 Faculty of Arts, and the admission of a student under this provision shall be subject to confirmation by that Faculty.

Science

(1) Ordinary Classes of Mathematics, Natural Philosophy and Astronomy.

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 Mathematics on the Higher standard in the Leaving Certificate or the Preliminary Examination or on the corresponding standard in another examination recognized as equivalent; but a student not so qualified, if for special reasons he has been admitted to any of these classes by the Head of the Department concerned and has passed in Mathematics on the Higher standard in the Spring Preliminary Examination 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 Mathematics 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 University 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 University Court, may determine and under such rules as may from time to time be made for that purpose.

Engineering.

(1) Mathematics (1st Course) and Mathematics (2nd Course).

These classes may not be taken in the same academic year except by express permission of the Faculty of Engineering.

(2) Mathematics (1st Course) and Applied Physics (Ordinary).

Attendance on these classes shall not normally qualify for graduation in Engineering unless before admission to the class the student has produced evidence that in the Leaving Certificate or the Preliminary

Examination, or in another examination recognized as equivalent, he has passed in Mathematics on the Higher Standard, or that he has diligently attended a non-qualifying course in Mathematics; but the Head of each of the Departments concerned shall have power to accept such other evidence of proficiency in Mathematics as he may deem equivalent.

St. Andrews. In the Faculty of Arts, students who propose to attend a graduating course in Latin or Greek, or Hebrew, or French, or German, or Spanish must produce evidence of having passed the Leaving Certificate Examn. in the language on the Higher standard or some equivalent qualification, or must (in the case of Latin, Greek, Hebrew, German and Spanish) have attended a Junior Class in the Univ. and duly performed the work of that class for one session. Students who wish to attend a graduating course in Maths., Applied Maths. or Nat. Philos. must show that they have passed the Leaving Certif. in Maths on the Higher standard or obtained some equivalent qualification. For a graduating course in Chem., candidates who have not passed the Leaving Certificate in Higher Chem. or some equivalent qualification may be required by the Professor to pass an examn. before beginning the course. For a graduating course in Nat. Philos., candidates who do not produce evidence of having obtained a knowledge of Physics equivalent to that of the Leaving Certif. examn. on the Higher standard may be required by the Professor to pass an examn. at the beginning of the course.

In the subjects of Latin, Greek, Maths., Applied Maths., Nat. Philos. and Chemistry, students who do not have the above qualifications may attend the General Class on passing an examination to be held at the opening of the Martinmas Term.

In the Faculty of Science, the above rules apply to the classes of Maths., Applied Maths., Nat. Philos. and Chemistry.

BELFAST

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, or Applied Science or Technology—Mechanical Drawing; for Economics —(*o*) Elementary Economics, and (*p*) Accounting; for Faculty of Arts— (*q*) Music. For Arts, Science or Medicine one language other than English must be taken; for Economics—French or German or Spanish; for Applied Science or 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 Applied Science, Physics is compulsory; for the Faculties of Science and of Agriculture, both Physics and Chem. are compulsory.

A candidate who has passed in at least 3 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. 1116), 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 a British Univ.

C. Dominion and foreign qualifications receive special consideration provided full details of education and relative certificates are submitted.

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 July 1 in each year.

Special Regulations for Entrance to Faculties

Arts. Candidates for the Faculty of Arts who intend to enter an Honours School must pass in Greek or Latin at Matricn.

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 Chem.

Science and Agriculture. Candidates must have passed an examn. in French or German, and a pre-entry examn. in Physics and Chem.

In addition candidates for entry into the Faculty of Agriculture must satisfy the Faculty that they possess a sound knowledge of the practice of agriculture, and have been engaged for at least one year in farm practice.

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.

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, but reference to it may be found under the heading " Scholarships " in the section of the *Yearbook* relating to that Univ.

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).
2. Agriculture, Veterinary Science, etc.
3. Applied Science and Technology.
4. Arts (General)
5. Arts (Special Subjects).
   - Anthropology.
   - Architecture, Art and Archæology.
   - Classics.
   - English.
   - Geography.
   - History.
   - International Relations.
   - Law.
   - Mathematics.
   - Modern Languages.
   - Music.
   - Oriental and African Studies.
   - Philosophy and Psychology.
6. Economics and Sociology.
7. Education.
8. Engineering (General).
9. Engineering (Special Branches).
   - Aeronautics.
   - Agricultural Engineering.
   - Chemical Engineering, v. 15.
   - Civil Engineering.
   - Electrical Engineering.
   - Mechanical Engineering.
   - Mining and Mining Engineering.
   - Naval Architecture and Marine Engineering.

10. Fisheries.

11. Medicine and Surgery (General).

12. Medicine and Surgery (Special Subjects).

Anatomy.	Oto-Rhino-Laryngology
Bacteriology.	Pædiatrics.
Biochemistry, v. 15.	Pathology.
Cancer.	Physiology.
Cardiology.	Preventive Medicine.
Diseases of Children.	Rheumatism
Neurology and Psychiatry.	Tropical Medicine and Hygiene.
Obstetrics and Gynæcology.	
Ophthalmology.	Tuberculosis.
Orthopædic Surgery.	

13 Psychical Research.

14. Science (General).

15. Science (Special Subjects).

Astronomy.	Geology.
Biochemistry.	Mathematics.
Biology.	Metallurgy.
Botany.	Nutrition.
Chemical Engineering.	Pharmacy.
Chemistry.	Physics.
Colloid Science.	Physiology.
Dental Science.	Zoology.

16. Theology.

17. Prizes.

1. GENERAL

* † ‡ BELFAST, THE QUEEN'S UNIV. *Senior Studentships*, £250 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. Latest date for applications, June 1, to the Secretary of the Academic Council.

† BRISTOL UNIV. *Michael Hiatt Baker Scholarship*, value £200 p.a. Tenable by a graduate from New Zealand and normally held for 2 yrs., but may be renewed for a 3rd yr. The holder will normally be expected to spend 2 yrs. in research in the Univ. for a higher degree, but, with the approval of the Profs. concerned, may be allowed to spend some period elsewhere. The scholarship may be held in any subject and is in the appointment of the Vice-Chancellor on the nomination of the Univ. of New Zealand.

* † ‡ BRITISH COUNCIL, 65 Davies Street, London, W.1. 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

* † ‡ The Council also awards a number of Travel Grants tenable by Univ. teachers on study leave and, in certain circumstances, by post-graduate research workers from British Commonwealth Univs. who intend to visit either an overseas Commonwealth country (if from U.K.) or the U.K. (if from an overseas Commonwealth country). Grants cover sea passage only. Particulars from Registrars of Univs., Council representatives in Australia, New Zealand, India and Pakistan, or from Sec., Committee for Commonwealth University Interchange, c/o The British Council, 65 Davies Street, London, W.1.

* BRITISH FEDERATION OF UNIVERSITY WOMEN, LTD., 17A King's Road, London, S.W.3. (i) *Junior British Scholarship*, £100, offered annually to a British woman graduate not over 26 years. Subject and place of study optional.

* † ‡ (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) *International Residential Scholarship* at Crosby Hall, Chelsea, London (International Clubhouse of the B.F.U.W.), open to women graduates of any recognized Univ. for 1 yr.'s research or other advanced study, while in residence at Crosby Hall. Value £300.

A number of other awards are made from time to time.

Further details from the Secretary at above address.

* † ‡ CAMBRIDGE UNIV. *Bartle Frere Exhibitions*, for study or research in any branch of knowledge relating to any part of the British Empire except the U.K. and India. Tenable normally in Cambridge for 1 yr. but may be prolonged for a 2nd yr. Open to graduates of any Univ.

* † ‡ CAMBRIDGE UNIV.: CLARE COLL. *Denman Baynes Studentship*, £100 p.a., held usually for 2 yrs., open to grads. of any Univ., with pref. to those of Cambridge and members of Clare Coll. Applications to the Master.

† CAMBRIDGE UNIV.: KING'S COLL. The Coll. will award in alternate yrs. a *Studentship* of the titular value of £200 for 1 yr., renewable for a 2nd yr., to a graduate from each of the Dominions of New Zealand, Australia and Canada. It has in mind to establish a similar *Studentship* for 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. On each occasion the award will be assigned primarily to a particular Univ. or similar institution for purposes of nomination. The *Orford Studentship* for a New

Zealander, and the *Grainger Studentship* for a Canadian (with preference on this occasion for the Univ. of Toronto), will be awarded for Oct. 1951. The *Giblin Studentship* for an Australian will be awarded for Oct. 1952. Further information from Sr. Tutor.

* ‡ CAMBRIDGE UNIV.: NEWNHAM COLL. *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.

* † 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.

* † ‡ CAMBRIDGE UNIV.: TRINITY COLL. A Research Studentship of value (dependent on the student's pecuniary circumstances) not exceeding £375 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. Tenure is conditional on entry as Research student and upon 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 May 1.

(The following instn. does not grant scholarships but makes loans.)

* † THE 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.

Further details from the Secretary, Mrs. J. M Auckland, 93 Walcot Square, London, S.E 11.

* 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. or to a member of the staff of one 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. for 3 yrs., with possible extension.

(ii) Senior Scholarships, £450 p.a. for 2 yrs., with possible extension for a 3rd yr.

(iii) Scholarships, £300 p.a. for 2 yrs., with possible extension for a 3rd yr.

(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 application: March 15 in each academic yr.

* † COLLEGE HALL, Malet St., London, W.C.1. *Pfeiffer Fellowship*, value £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.

* † DURHAM UNIV.: KING'S COLL., Newcastle upon Tyne. *College Postgraduate Studentships*, £200 min. for 1 yr. (renewable), tenable at King's Coll. or at other approved places. Open to graduates with high qualifications One Studentship is earmarked for Chemistry. Applications to Registrar, not later than May 15 in each yr.

* † ‡ 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. 1951, Law. Applns. by May 15 to the Secretary of the Univ.

* (ii) *Shaw Macfie Lang Fellowship*, £200 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*, £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.

* † ‡ HULL UNIV. COLL. *Research Awards* in Arts and Science, General, £250 p.a. for 1 yr. in first instance, renewable for a 2nd yr. Open to graduates of any Univ. holding a good Hons. degree. Further particulars from the Registrar.

* † 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 Dominion Univs. and similar representatives of Dominion Univs. to come to the U.K. Awarded from time to time. Value and duration variable. Applications to Association of Universities of the British Commonwealth, 5 Gordon Square, W.C.1.

* † ‡ THE INTERNATIONAL FEDERATION OF UNIVERSITY WOMEN, 17A

King's Road, London, S.W.3, awards *Travelling 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. Research fellowships are awarded annually, value £300-£375.

Further particulars from the Secretary.

* † LEICESTER UNIV. COLL. *Postgraduate Scholarships* up to the value of £250 p.a. for 2 yrs., tenable in any department of the Coll. Open to graduates of Univs. within the British Commonwealth, who must be qualified to undertake full-time research or postgraduate study, preferably with the intention of taking a higher degree.

Further particulars from the Registrar.

* † LEVERHULME RESEARCH FELLOWSHIPS AND GRANTS in aid of Research. The Trustees of the Will of the late Lord Leverhulme, acting on the advice of an Advisory Committee, award a number of Research Fellowships for varying periods from 3 months up to 2 yrs. Applicants must be British-born " experienced workers " normally resident in the U.K., preferably men and women prevented from carrying out research either by pressure of routine duties or by any other cause. The Trustees are prepared to consider applications from groups of workers engaged upon co-operative programmes of research. In exceptional circumstances the Trustees may waive the condition as to residence. Preference will be given to subjects in which existing provision is inadequate. The amount of individual grants is adjusted according to the circumstances of each case. Fellows will usually be required to work at, or in connexion with, a recognized centre of research either at home or abroad. Closing date for applns. is March 1. Application forms and further information from the Secretary, Leverhulme Research Fellowships, 7 Bedford Row, London, W.C.1.

* † ‡ 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 1951. Open to Frenchwomen only.

Further particulars from the Registrar.

* † ‡ (ii) *Postgraduate Fellowships*. Three Postgraduate Research Fellowships, each of £300, offered annually, one to be awarded in one of the subjects in each of the following groups of subjects: (1) Botany, Chemistry, Geology, Physics, Physiology, Zoology; (2) Geography, Mathematics, Philosophy, Psychology, Social Studies; (3) Dutch, French, German, Italian, Greek, Latin, English, History. Open to men and women graduates of any Univ. Preference normally given to graduates of not less than 3 yrs.' standing. The Fellowships are tenable at Bedford Coll. for Women and are awarded in the first instance for one session. The award may be renewed for a 2nd year. Application should be made not later than March 1 of the year of the award.

Further particulars from the Registrar.

* † ‡ LONDON UNIV.: KING'S COLL., Strand, London, W.C.2. *Tutorial Studentships* of £300 p.a. have been instituted 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.

* † ‡ LONDON UNIV.: ROYAL HOLLOWAY COLL., Englefield Green, Surrey. (1) *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 1952.

* † ‡ (ii) *Postgraduate Studentships* (5), value £60 p.a. and eligible for supplementation by the Ministry of Education. Awarded annually. 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.

* † ‡ LONDON UNIV.: WESTFIELD COLL. (for women). 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 the M.A. or Ph.D. fee and £130 for 3 terms' residence. Applications (14 sets) for the ensuing academic year should be made in February and should be accompanied by a scheme of work, copies of 3 testimonials and names of 2 referees.

* † ‡ 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 15.

* MINISTRY OF EDUCATION, Belgrave Square, London, S.W.1. *University Supplemental Awards* 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. 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.

* † ‡ NOTTINGHAM UNIV. (i) A limited number of *Postgraduate Studentships* in the Faculties of Arts (including Economics 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 £250 p.a. with remission of appropriate fees.

* † ‡ (ii) A limited number of *Research Fellowships*, £450 p.a., tenable at the Univ in any one of the above Faculties, in the first instance for 1 yr. but renewable for a 2nd and 3rd yr.

* † ‡ (iii) *Revis Research Fellowship*. Value £450 p.a., tenable for 1 yr. but renewable for a 2nd and 3rd year at the Univ. in any of the above Faculties. Candidates must be ordinarily residents or the children of parents ordinarily resident in the area served by the Univ. of Nottingham, including the counties of Derby, Leicester, Lincoln, Northampton, Nottingham, Rutland and the Soke of Peterborough.

Further particulars from the Registrar.

† THE NUFFIELD FOUNDATION, 12-13 Mecklenburgh Square, London, W.C.1 *Dominion Travelling Fellowships* in Medicine, Social and Natural Sciences and the Humanities, to enable qualified men and women from the Dominions to obtain in the U.K. such postgraduate study as will assist them to become teachers and research workers in their particular fields upon return to their own Dominions, award includes cost of travelling to Gt. Britain; tenable for 1 yr.

Further particulars from the Secretary.

* † ‡ 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 £350 p.a. Further particulars from the Senior Censor.

* † ‡ 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 alternative 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. (Next award probably 1952.)

* † 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.

‡ OXFORD UNIV.: SOMERVILLE COLL. *Lady Carlisle Research Fellowship*, present value £250 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 1946.

* † ‡ READING UNIV. *Research Fellowships*, value £400 p.a., are available, subject to annual review, for 3 yrs. Open to Univ. graduates who have had previous training in research to standard normally required for the degree of Doctor of Philosophy. Tenable in any of the Facs. of the Univ. Further particulars from the Registrar.

†‡ RHODES TRUSTEES. *Scholarships* (60-70), 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 £400 p.a. each with, at present, a special supplement of £100; tenable for 2 yrs. at Oxford and renewable for a 3rd at Oxford or elsewhere, but not in the scholar's own country. Open to male candidates, unmarried and between the ages of 19-25, 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.

Further particulars from the Secretary to the Trustees, 36 Beaumont Street, Oxford.

THE 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 British Empire 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 years 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.

* † ‡ SHEFFIELD UNIV. *Sir Henry Stephenson Fellowship* for advanced study or research at the Univ., value £300-£600, tenable for 1 yr. with possibility of re-appointment. 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.

* † ‡ SOUTHAMPTON UNIV. COLL. (i) A sum of money is allotted annually by the Coll. Council for the provision of one or more *postgraduate research awards* of value not exceeding £260 p.a., tenable for 1 or 2 yrs. and renewable in special circumstances for a 3rd yr.

(ii) A further amount is allocated annually by the Council to aid research workers to meet the expenses of an approved piece of research. Applicants must provide the Committee with full information as to the nature of the research proposed, and furnish, at the end of the academic year, a report embodying an account of progress made in

the work undertaken and of the nature and amount of the expenses involved. Last day for receiving applications, Oct. 8; last day for grantees' reports, June 1.

Further particulars from the Academic Registrar.

2. AGRICULTURE, VETERINARY SCIENCE, ETC.

* † ‡ AGRICULTURAL RESEARCH COUNCIL, 6A Dean's Yard, Westminster, London, S.W.1. At present, up to twenty-five awards for postgraduate training in scientific subjects bearing on research into the problems of agriculture and animal health are offered to *British subjects*. The object of these awards is to enable students to obtain postgraduate training, either in some aspect of science not adequately covered in their degree curricula, or in the methods of research in subjects with which they have already been concerned. The training provided in this way, usually at Univ. Departments or Research Institutions in Great Britain, although primarily directed to research, is also suitable for those who wish to obtain certain specialized appointments in the Agricultural Advisory Services.

Three types of award are offered:

(i) *Training grants*, intended primarily to enable students who graduate with Honours in Science or have an equivalent qualification, and holders of a veterinary qualification, to undergo a course of training prescribed by the Council in some aspect of science bearing on the investigation of agricultural problems, *e.g.* a zoologist may require a training in genetics or a veterinarian in physiology. In these circumstances the course of studies will not, as a rule, be such as to make it possible for the holder of an award to qualify at the same time for a higher degree (Ph.D.). The awards are tenable for a period up to 3 yrs. and are renewable annually, either as training grants or studentships (*see under* (iii)). An opportunity of study abroad for part of the period will be given so far as circumstances allow.

(ii) *Veterinary training grants*, tenable for not more than 4 yrs. and intended to enable graduates with Honours in Science to obtain a veterinary professional qualification with a view to undertaking research into problems of animal health.

(iii) *Research Studentships*, tenable for a period of up to 3 yrs. and open to those who graduate with Honours in Science, or hold an equivalent qualification, and to holders of a veterinary qualification, to enable them to gain research experience through the study of some specific problem under suitable supervision. Considerable latitude in the choice of subject will be allowed, but in selecting candidates the Council will have regard to the need for workers in particular basic sciences of importance to agricultural research. So far as the programme of study admits, the holders of these awards will be allowed to register for a higher degree. Study abroad will only be possible in suitable circumstances.

The maintenance allowance to be granted for the three types of award varies from £260 to £300 per annum, according to the place and circumstances in which the award is held. The awards are free of income tax.

In addition to the maintenance allowance, fees compulsorily incurred and approved expenses and maintenance while abroad will be paid, together with a sum not exceeding £10 for essential text-books. For male candidates who are already married there may be additional allowances.

Applications must be submitted by a senior member of the candidate's Department, usually in the spring, but application will be considered at other times, and, in respect of Research Studentships, should indicate either that the study to be pursued can be undertaken in the Department sponsoring the application or that the candidate has been accepted in a University Department or Research Institution. Provisional applications can be made on behalf of candidates who have not yet been informed of the result of, or who have not yet sat, their final examination.

Junior Agricultural Research Fellowships. A limited number of Fellowships are offered to provide opportunities for research workers of outstanding ability to continue their investigations and widen their experience in subjects relating to agriculture. Candidates, who should hold an Honours degree in Science and have completed not less than three years' postgraduate study and/or research, must be nominated by the Supervisor of their postgraduate work If the Supervisor is not the Head of the Dept. in which they have worked, the Head of the Dept must countersign the application.

The maintenance allowance granted for this type of award is £600 per annum, on the assumption that income tax will be payable. In the event of a Fellowship being exempted from income tax the amount of the emoluments would be reduced. Fees compulsorily incurred and travelling expenses for approved journeys will also be paid. Where the Fellow is insured under the Federated Superannuation System for Univs., the Council will, in appropriate cases, be prepared to contribute towards the maintenance of the policies.

Senior Fellowships. Awards can also be made to enable more senior workers to widen their experience, or to gain proficiency in new techniques where this is desirable in the interests of agricultural research. There is no formal scheme for these awards. Those interested should enquire of the Secretary of the Council.

Special research grants for specific investigations are made by the Council direct to Universities, Research Institutes and other recognized bodies. In exceptional circumstances assistance from this source to individual experimental research workers would be considered.

* EMPIRE COTTON GROWING CORPORATION, 12 Chantrey House, Eccleston Street, London, S.W.1. The Corporation from time to time offer postgraduate scholarships to provide opportunities for advanced study or additional training in research methods in such subjects as plant breeding, entomology, genetics, etc. These scholarships are normally tenable for either 1 or 2 yrs. at some selected Univ. or scientific institution. The award of a scholarship does not guarantee subsequent appointment to the staff of the Corporation, although this is the usual method of recruitment.

The value of the scholps. will be not less than £300 plus tuition fees, examn. fees, and certain other expenses.

* † BRISTOL UNIV. *Boots Research Scholarships.* These Scholps. have been established by Messrs. Boots Pure Drug Company Ltd., to aid research at the Long Ashton Research Station. The Scholps. are open to graduates of Univs. in the British Commonwealth, and the scholars are required to engage in full-time research in the Univ. in any branch of Science pursued at the Research Station. There will be three successive scholps., each of the value of £300 per annum, tenable for 2 yrs.; awards to be made in 1949, 1951 and 1953.

* † LONDON UNIV.: WYE COLL. *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, 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.

* † ‡ MANCHESTER UNIV. *Philip Buckle Research Scholarship* in Agric. Zool. £120 p a. plus laboratory fees, 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. Next award probably 1951. Last date of appln., June 20.

Further particulars from the Registrar.

* † ‡ NOTTINGHAM UNIV. *Postgraduate Studentships* and *Research Fellowships, see under* General.

* 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 and 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 Assistant Secretary.

3. APPLIED SCIENCE AND TECHNOLOGY

* † 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.

* † ‡ 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 £300. Candidates must possess a Univ. degree or equivalent in Science. Preference to those with industrial lab. experience. Offered every alternate yr. Next award will probably be made in 1952.

(iii) *Research Scholarships* in Chemical Engineering and Petroleum Production. Two or more annually; £220 and remission of tuition fees. Renewable. Open to graduates (or equivalent) in Science, preference to those with industrial experience.

Further particulars from the Registrar.

* † BRITISH IRON AND STEEL RESEARCH ASSOCIATION. *Bursaries* of £150-£300 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 United Kingdom or Commonwealth Univ. 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.

* † ‡ BRITISH RAYON RESEARCH ASSOCIATION, 58 Whitworth Street, Manchester 1. *Technological Scholarships*, value £300 p.a., plus Univ. fees, for 2 yrs. Candidates must be Honours graduates, not necessarily in Science. Study to be undertaken in Textile Chem., Textile Technol., Textile Engin., or Dyeing. Tenable at Leeds or Manchester Univs., or in special circumstances overseas. Application to the Secretary at the above address.

* † ‡ 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 on 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 May 1 in each year.

* † ‡ LEEDS UNIV. (i) Fellowships (£160) and Scholarships (£100-£140) 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, after advertisement.

* † ‡ (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) *British 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*, in Leather Industries Dept. Provided by Messrs. Bolton Leathers Ltd. £450-£600 for 3 yrs.

* † ‡ (x) *Dean Scholarships, see under* Economics and Sociology.

* † ‡ (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.

Further particulars in each case from the Registrar.

* † LONDON UNIV.: IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY, London, S.W.7. (i) *North Thames Gas Research Fellowship*, £250. (ii) *Radiation Ltd. Fellowship*, £300.

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 and 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. £330 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 Interm. or an Hons. degree in Physics, and must be fit for work abroad.

Further particulars from the Registrar.

* † ‡ MANCHESTER UNIV.: (i) *Maclaren Cotton Industry Research Scholarship*. *See* Econ. and Sociol.

* † ‡ (ii) *Wool Research Scholarship*. *See* Econ. and Sociology.

* † ‡ 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.

THE 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.

* † ‡ SALTERS' INSTITUTE OF INDUSTRIAL CHEMISTRY. (i) *Salters' Scholarship*, value £400 p.a., with F.S.S.U. benefit, for a graduate resident in U.K. with an Hons. degree in Chemistry (or a graduand) with bias toward Physical Chemistry, for the purpose of receiving full-time instruction in the principles of Chemical Engineering at an approved Institution for 1 yr. At the conclusion of his tenure of a Scholarship, the holder would be eligible on application for consideration for a *Salters' Fellowship* (*see* below).

* † ‡ (ii) *Salters' Fellowship*, value £600 p.a., with F.S.S.U. benefit, for a graduate resident in U.K. with the curriculum described under *Salters' Scholarship* above, for the purpose of his obtaining full-time instruction in the methods and practical conduct of research on some problem of Chemical Engineering at an approved Institution, at a level of research required for a higher degree.

Applications to the Clerk of the Salters' Company, Salters' Institute of Industrial Chemistry, 36 Portland Place, London, W.1, by May 22.

* † ‡ 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) *Research Fellowship* in Glass Technology, £600 p.a., tenable at

the Univ. for 2 or 3 yrs. Open to graduates of Univs. in Gt. Britain and Ireland in Engineering or in Science, preference being given to the former if suitable applicants are forthcoming.

Further particulars in each case from the Registrar.

* † ‡ TEXTILE MACHINERY MAKERS, LTD., Huddersfield Road, Oldham. *The Sir Walter Preston Research Fellowships*, value £400-£550. Candidates must have obtained M.Sc. (Tech.) under Sir Walter Preston scholarship scheme, or be a graduate of some other Univ. with an appropriate Honours degree and have some experience of research. Application to the Secretary at above address.

* † ‡ THE 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. Up to 3 yrs. Applications to the Clerk to the Company at the above address

4. ARTS (General)

* † ‡ BRITISH FEDERATION OF UNIVERSITY WOMEN, LTD., 17A King's Road, London, S.W.3. *Caroline Spurgeon (International) Scholarship*, open to a woman graduate of any recognized Univ. for a yr.'s research in Arts, while in residence at Crosby Hall, Chelsea, London (the International Clubhouse of the B F.U.W.). Value of last award £300.

Further details from the Secretary.

* † ‡ CAMBRIDGE UNIV.: GIRTON COLL. (i) *Jex-Blake Fellowship* in Arts, not less than £250 p.a. for 3 yrs., for research in any branch of learning except Maths. and Nat. Sciences, normally tenable at Girton. Open to women graduates of any Univ., preference to those of Univs. within the British Commonwealth. Tenure as from July 1 or Oct. 1 at Fellow's option. Offered from time to time. Further particulars from the College Secretary.

(ii) *Pfeiffer Fellowship* in Arts, not less than £250 p.a. for 3 yrs. Conditions as for Jex-Blake Fellowship above.

* † ‡ 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 with research experience of any Univ.

Further particulars from the Secretary, 38 North Bailey, Durham.

* † ‡ EDINBURGH UNIV. *Richard Brown Scholarship, see under* General.

* † ‡ HARVARD UNIV. *Frank Knox Memorial Foundation, see* Appendix III.

* † ‡ HULL UNIV. COLL. *Research Awards* in Arts, £250 p.a. for 1 yr. in first instance, renewable for a 2nd yr. Open to graduates of any Univ. holding a good Hons. degree. Further particulars from the Registrar.

* † ‡ 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.

* † ‡ (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.

* † ‡ MANCHESTER UNIV. *Research Studentship in Arts*, normally £300 for 1 yr., renewable for 1, and in exceptional cases, 2 yrs. Only £250 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.

† ‡ NOTTINGHAM UNIV. *Postgraduate Studentships* and *Research Fellowships, see under* General.

† THE NUFFIELD FOUNDATION. *Dominion Travelling Fellowships, see under* General.

* † THE 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. 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 must 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

* † ‡ EDINBURGH UNIV. *Tweedie Exploration Fellowship* in Anthropology and Archæology, value about £160 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.

* † ‡ 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.

* † OXFORD UNIV.: EXETER COLL. *Alan Coltart Scholarship* in Anthropology, £80 p a. for a maximum period of 2 yrs Open to graduates of Univs. within the British Commonwealth
Further particulars from the Rector.

* † THE TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) above.

Architecture, Art and Archæology

* † ‡ EDIN. UNIV. *Tweedie Exploration Fellowship* in Archæology, *see* Anthropology.

* † ‡ LEEDS UNIVERSITY. *Harold Tetley Postgraduate Studentship* in the History of Art in Yorkshire, value £200 p a., tenable for 2 yrs.

* † ‡ THE LONDON MUSEUM, Lancaster House, London, S.W.1. *Leverhulme Research Studentship* for Archæology or History connected with London, offered biennially, value £300 p.a. Open to all graduates without restriction. Next award probably 1951.
For further particulars apply to the Secretary.

* † ‡ LONDON UNIV.: KING'S COLL. *Ronald Burrows Memorial Prize, see under* Classics.

* † ‡ LONDON UNIV.: WARBURG INSTITUTE. *Research Fellowships* in History of Art, etc. *See under* Arts (General).

* † OXFORD UNIV.: UNIV. COLL. *Lady Wallis Budge Fellowship* in Egyptology, tenable for 3 yrs. and renewable for a further 3 yrs. Open to graduates of Univs. within the British Commonwealth.
Information as to stipend and duties may be obtained from the Master, Univ. Coll., Oxford.

* † THE TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) above.

Classics

CAMBRIDGE UNIV. *Sir Perceval Maitland Laurence's Bequest.* Grants not exceeding £100 p.a. may be made in aid of research.

* 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.

* † ‡ LONDON UNIV.: BEDFORD COLL. FOR WOMEN. *Postgraduate Fellowship in Classics, see under* General.

* † ‡ 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 July 31. The holder to pursue an approved course of advanced study in Ancient, Mediæval or Modern Greek Language, Literature or History or in Greek Archæology.

* † THE TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) above.

English

* † ‡ 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 for supplementation by the Ministry of Education in certain circumstances. Last date of application, June 1 in yr. of award.

* † ‡ LONDON UNIV.: BEDFORD COLL. FOR WOMEN. *Postgraduate Fellowship* in English, *see under* General.

Geography

* † ‡ DURHAM UNIV.: THE DURHAM COLLS. *Research Fellowship in Pure Science, see under* Science (General).

* † ‡ LONDON UNIV.: BEDFORD COLL. FOR WOMEN. *Postgraduate Fellowship* in Geography, *see under* General.

* † THE TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) above.

History

* † CAMBRIDGE UNIV. *Holland Ros 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.

* CAMBRIDGE UNIV.: GIRTON COLL. *Graduate Scholarship* for Historical Research, value £60, tenable for 1 yr. at Girton. Usually open to women graduates of United Kingdom Universities. Offered from time to time.

* CARNEGIE TRUST FOR THE UNIVS. OF SCOTLAND. *See under* General.

* † ‡ LONDON MUSEUM. *Leverhulme Research Studentship, see under* Art and Archæology.

* † ‡ LONDON UNIV.: BEDFORD COLL. FOR WOMEN. *Postgraduate Fellowship* in History, *see under* General.

* † ‡ LONDON UNIV.: INSTITUTE OF HISTORICAL RESEARCH, Senate House, London, W.C.1. (i) *Research Fellowships* in History, £275 or such smaller sum as will ensure that a holder's total income from scholarships is not less than £275 p.a., for 1 yr., renewable, tenable at the Institute. Open to graduates of any University.

Applications, on the prescribed form, should reach the Secretary before May 1 in each year.

* † ‡ (ii) *Lindley Studentship*, value £120 plus a Ministry of Education supplementary grant, 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 as for (1) before May 30, 1953.

* † ‡ LONDON UNIV.: KING'S COLL. *Ronald Burrows Memorial Prize, see under* Classics above.

* † ‡ LONDON UNIV.: LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE. *Eileen Power Studentship* in Social and Economic History, *see under* Economics and Sociology.

* † LONDON UNIV.: UNIV. COLL. *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.

* † ‡ LONDON UNIV.: WARBURG INSTITUTE. *Research Fellowships, see under* Arts (General).

* † ‡ MANCHESTER UNIV. (1) *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 award 1951. 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 1951. Last date for applns., June 15.

Further particulars from the Registrar.

* OXFORD UNIV.: WADHAM COLL. *Barnett Senior Scholarship* in Economics or Economic History, *see under* Economics and Sociology.

* † THE TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) above.

International Relations

* † ‡ 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.

Further particulars from the Registrar.

Law

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.

* † ‡ (ii) *Whewell Scholarships* in International Law, one at least annually, not exceeding £100, for 2, with possible extension to 3, yrs., tenable at Cambridge. Open to men and women graduates of any Univ. who are under 25.

* † ‡ (iii) *Humanitarian Trust Studentship* in Public International Law. Next award early in 1951. Candidates must be under 32 yrs. on Jan 1, 1951, 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, Trinity Hall, Cambridge, to whom applications should be sent not later than Jan. 1, 1951.

* CARNEGIE TRUST FOR THE UNIVERSITIES OF SCOTLAND. *Fellowship* in Scots Law, £250 : *Scholarship*, £150. *See under* General.

* † ‡ EDINBURGH UNIV. *Richard Brown Scholarship, see under* General.

* 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.

* 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.

* MIDDLE TEMPLE, London, E.C.4. (i) *Harmsworth Scholarships* (6 or more), £200 p.a., tenable for 3 yrs., awarded annually in Oct. Candidates must be members of the Middle Temple intending to practise at the English Bar, and must be present or former resident male members of a Coll. at Oxford or Cambridge, and must be nominated for selection not later than the middle of July in each year by the Vice-Chancellor of their Univ. By the terms of the Harmsworth Trust, the Vice-Chancellors, in selecting candidates for nomination, shall take into consideration their character, scholarship and their intention to practise at and follow loyally the tradition of the English Bar.

Names of candidates should be sent to the Vice-Chancellors through Heads of Colleges or Tutors before June 30 in each year, and forms of nomination of candidates will be supplied on application to the Secretary to the Harmsworth Committee, Treasury Office, Middle Temple, London, E.C.4.

† * ‡ (ii) *Blackstone Entrance Scholarships*. 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

Mathematics

* † ABERDEEN UNIV. *Robbie Scholarship* in Mathematics, *see under* Science (General).

* † ‡ 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 £60, tenable for 1 yr. at Girton. 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).

* GLASGOW UNIV. *Ferguson Scholarships, see under* Arts (Special Subjects)—Classics.

* † ‡ LONDON UNIV.: BEDFORD COLL. FOR WOMEN. *Postgraduate Fellowship* in Mathematics, *see under* General.

* † ‡ MANCHESTER UNIV. *Bishop Harvey Goodwin Mathematical Scholarship*, £60-£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 Mathe-

matical Research. Last date for applns. June 20. Due notice will be given of the next offer.

Further particulars from the Registrar.

THE ROYAL SOCIETY. *Yarrow Research Professorships, see* Science (General).

Modern Languages

* CARNEGIE TRUST FOR THE UNIVERSITIES OF SCOTLAND. *See under* General.

* 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.

* † ‡ LONDON UNIV.: BEDFORD COLL. FOR WOMEN. *Postgraduate Fellowships* in Dutch, French, German, Italian, *see under* General.

* † ‡ LONDON UNIV.: KING'S COLL. *Ronald Burrows Memorial Prize, see under* Classics above.

* † THE TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) above.

Music

* † ‡ EDINBURGH UNIV. *Richard Brown Scholarship, see under* General.

* GLASGOW UNIV. *McCaig Scholarship, see under* Arts (Special Subjects)—Modern Languages.

* SIR JAMES CAIRD'S TRAVELLING SCHOLARSHIPS TRUST. *Travelling Scholarship* in Music, *see* Appendix III.

Oriental and African Studies

* 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 £200 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.

* † ‡ 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.

* † ‡ LONDON UNIV.: SCHOOL OF ORIENTAL AND AFRICAN STUDIES. *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.

Further particulars may be obtained from the Secretary of the School, University of London, London, W.C.1.

* † OXFORD UNIV. *Kennicott Hebrew Fellowship*, £250 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.

* † ‡ 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.

* † THE TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) above.

Philosophy and Psychology

* † ‡ 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 May 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.

* † ‡ LONDON UNIV.: BEDFORD COLL. FOR WOMEN. (i) *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 1947.

Further particulars from the Registrar.

* † ‡ (ii) *Postgraduate Fellowships* in Philosophy and Psychology, *see under* General.

* † THE TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) above.

6. ECONOMICS AND SOCIOLOGY

* † ‡ BELFAST, THE QUEEN'S UNIV. *Lockheed Employees' Studentship* in Social Studies, £40 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. Latest date for applications, June 20, to the Director of Social Studies

* † ‡ BRISTOL UNIV. *Ernest Taylor Fellowship* for research in a subject related to retail distribution, tenable in the first instance for 3 yrs. in the Department of Economics of the Univ., subject to annual renewal and extension; value £600 for the 1st yr., rising by annual increments of £50 during the period of occupation of the Fellowship to a maximum of £800. Open to graduates of any Univ. who have had either experience of statistical work or research under supervision in a subject within the field of Social Science.

Further particulars from the Secretary and Registrar.

* † ‡ 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.

* CARNEGIE TRUST FOR THE UNIVERSITIES OF SCOTLAND. *See under* General

* † ‡ 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 30.

* † ‡ 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 April 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.

* † ‡ LONDON UNIV.: BEDFORD COLL. FOR WOMEN. (i) *Lady Huggins Scholarship* in Sociology, value approx. £120, open to graduates of approved Univs., normally tenable at Bedford Coll. Awarded from time to time as funds permit. Last award 1946.

Further particulars from the Registrar.

(ii) *Postgraduate Fellowship in Social Studies, see under* General.

* † ‡ 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., for evening study, supplemented in the case of full-time day students by a maintenance grant of £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, £150 p.a., plus fees, tenable for 2 yrs., offered triennially for full-time study at the School for the execution of original work, preferably in Economic History. Next award in 1952.

(v) An *Eileen Power Studentship*, £250 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. Next award in June 1951. Applications should be forwarded to the Chairman of the Trustees at the School.

(vi) *Rees Jefferies Studentship* in Transport of the value of £200 for 1 yr. may be awarded annually. Applications should reach the Registrar by August 31 each year.

Further particulars about these awards from the Registrar.

* † ‡ MANCHESTER UNIV. (i) *Simon Research Fellowships*. One or more, of the normal value of £1150, offered annually for full-time advanced study or research in the Social Sciences. Tenable for 1 yr. with possible extension to 2 and, in exceptional cases, to 3 yrs. Candidates should be of about 10 yrs.' standing from the date of 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 of 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 per annum. 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. Next offer, 1951. Applications by July 15.

* † ‡ (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. If no award is made in 1950, will be offered in 1951. 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 year of award. If no award is made in 1950, will be offered in 1951.

* † ‡ (vi) *Wool Research Scholarships* (2) for research in a subject bearing on wool. £300 for 1 yr., renewable. Last date for applications, April 30 in the year of award. These awards are normally tenable in the Univ. of Manchester. Next offer 1951.

Further particulars from the Registrar.

* † ‡ NOTTINGHAM UNIV. *Postgraduate Studentships* and *Research Fellowships*, *see under* General.

† THE NUFFIELD FOUNDATION. *Dominion Travelling Fellowships*, *see under* General.

* 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.

* † ‡ SHEFFIELD UNIV. *Knook 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.

* † THE TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) above.

7. EDUCATION

† IMPERIAL RELATIONS TRUST. *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 each of 3 yrs., 1949–52, two each for Canada, Australia, New Zealand and South Africa. Applications to the Committee of Vice-Chancellors in the Dominion concerned.

* † ‡ LONDON UNIV. *Leon Fellowship* for Research, *see under* Economics and Sociology.

* † ‡ MANCHESTER UNIV. (i) *Research Scholarships* in Education (2), £300 for 1 yr., renewable in exceptional cases for a further year. Open to persons eligible for admission to the Univ. as candidates for the degree of M.Ed. and suitable to undertake full-time research on a subject within the purview of the Faculty of Education. Offered annually. Applns. by June 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.

* MINISTRY OF EDUCATION, Belgrave Square, London, S.W.1. A limited 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, have been arranged for 1950–51 at certain Univs. and other training institutions. Admission will in general be 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 grant up to a maximum of £300 is expected to be available towards the cost of tuition and maintenance, subject to a " student's contribution " based on the teacher's financial circumstances. Teachers should apply to their Local Education Authority for further particulars.

* † ‡ NOTTINGHAM UNIV. *Postgraduate Studentships* and *Research Fellowships, see under* General.

8. ENGINEERING (General)

* † ‡ BIRMINGHAM UNIV. *Bowen Scholarship* in Engineering, £220-£260 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.

* † CAMBRIDGE UNIV. *Rex Moir Studentship* in Engineering, about £280 p.a. for 1 yr. with possible re-election on not more than two occasions ; tenable normally at Cambridge, with leave elsewhere. Open to graduates of Univs. within the British Commonwealth.

* † ‡ IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, *see under* Science (General).

* † ‡ 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.

* † ‡ (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. Appln. not later than June 20 in the year of award.

Further particulars from the Registrar.

* MINISTRY OF EDUCATION, Belgrave Square, London, S.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 months, and must submit a thesis to the Ministry, between March 1 and April 1, on one of a group of subjects. Regulations with syllabus obtainable (3d.) from H.M. Stationery Office, Kingsway, London, W.C.2.

THE ROYAL SOCIETY. *Yarrow Research Professorships* and *Warren Fellowships, see* Science (General).

* SIR JAMES CAIRD'S TRAVELLING SCHOLARSHIPS TRUST. *Travelling Scholarships* in Engineering, etc., *see* Appendix III.

* † ‡ TURNER AND NEWALL FELLOWSHIP in Engineering, *see under* Science (General).

* † ‡ 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.

9. ENGINEERING (Special Branches)

Aeronautics

BUSK TRUSTEES. *Busk Studentship* for research in Aeronautics. Value about £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. Tenable at home or abroad subject to Trustees' approval. Applications to be received by the end of May.

Further particulars from Prof. Sir Melvill Jones, Engineering Laboratory, Cambridge.

* THE ROYAL COMMISSION FOR THE EXHIBITION OF 1851. *See under* Naval Architecture and Marine Engineering below.

* SIR JAMES CAIRD'S TRAVELLING SCHOLARSHIPS TRUST. *Travelling Scholarships* in Aeronautics, etc. *See* Appendix III.

Agricultural Engineering

* † ‡ DURHAM UNIV.: KING'S COLL., Newcastle upon Tyne. (i) *David Brown Scholarship*, £200 p.a. for 2 yrs. Open to graduates in Engineering of any recognized Univ. who have already fulfilled, or have been finally exempted from, Military Service obligations. Scholarship holders must engage in full-time study in the postgraduate course in Agricultural Engineering at King's Coll. and in such vacation work as from time to time may be laid down.

* † (ii) *Ford Motor Company Scholarships* (2), £180 p.a., tenable for 2 yrs. Open to graduates in Mechanical Engineering of any British Univ. who have already fulfilled, or have been finally exempted from, Military Service obligations. Scholarship holders must engage in full-time study in the postgraduate course in Agricultural Engineering at King's College and in such vacation training as may be laid down.

* † ‡ (iii) *Harry Ferguson Scholarships* (2), £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 holders 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.

Applications to Registrar not later than July 15 in each year.

Chemical Engineering

See Science (Special Subjects)

Civil Engineering

† ‡ LEEDS UNIV. *Cement and Concrete Association Scholarships.* For research in Civil Engineering, £150 p.a., tenable in the Univ. for 2 yrs. Open to suitably qualified graduates of any Univ. Applications should reach the Registrar by June 1.

LONDON UNIV.: IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY.

* † ‡ (i) *Hydro-Power Engineering Bursaries*, provided by English Electric Company Ltd. (up to 6 in number), tenable for 1 yr. Open to Honours graduates in Engineering of any Univ. or to those with equivalent qualifications.

* † ‡ (ii) *Concrete Technology Bursaries* (up to 11 in number), tenable for 1 yr., renewable for 2nd yr. Open to graduates in Engineering of a British Univ.

Both (i) and (ii) of the value £200 p.a Further particulars in each case from the Deputy Registrar, City and Guilds College, Exhibition Road, London, S.W.7.

Electrical Engineering

* † BIRMINGHAM UNIV. *General Electric Company Research Studentship* in Electrical Engineering, £220-£260 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.

* † ‡ 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.

Mechanical Engineering

* † BIRMINGHAM UNIV. (1) *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) *Jas. L. Norton Memorial Studentship*, £220-£260, 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.

Mining and Mining Engineering

THE ROYAL SOCIETY. *Tyndall Research Fund, see under* Science (General).

Naval Architecture and Marine Engineering

* THE INSTITUTION OF NAVAL ARCHITECTS, 10 Upper Belgrave Street, London, S.W.1. (1) *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, subject to Council's approval. 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 (in which term are included Shipbuilding 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., or 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) *The 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, Liverpool and Durham (King's Coll., Newcastle upon Tyne), 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 Secy., Institution of Naval Architects, 10 Upper Belgrave Street, London, S.W.1.

10. FISHERIES

* † ‡ 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 Department.

These Grants are 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 course of training will not, as a rule, be such as to make it possible for the holder of an award to qualify at the same time for a higher degree (Ph.D). 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 Department or in a Marine or Freshwater Biological Research Institute.

Applications, to be submitted by a senior member of the candidate's Department in the Univ., should be received by the Development Commission, usually in the spring. Provisional applications may be made on behalf of candidates who have not yet sat their final examination or who have not yet been informed of the result thereof.

The number of Training Grants to be awarded in 1951 will probably not exceed five. 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 Department, 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 Honours in Science of a Univ. or possess equivalent qualifications.

The value of the Training Grant will depend on the centre at which training is undertaken, but will not be less than £220 nor exceed £300 per annum, free of Income Tax. An additional allowance will be made in respect of Univ. fees, etc., compulsorily incurred, and an allowance not exceeding £10 in all for the purchase of approved text-books will also be granted. The Training Grants will be tenable for from 1 to 3 yrs. and will be renewable annually. In some circumstances there may be special allowances for male students who are married.

Forms of application and copies of the Regulations governing the awards may be obtained from the Secretary, Development Commission.

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.

* LIVERPOOL UNIV. *Herdman Scholarship* in Marine Zoology, value £200 for 1 yr., renewable for 2nd yr. Open to grads. of Liverpool or any other U.K. Univ. qualified to carry on research at the Univ. and at the Port Erin or other Biological Station. Applications to the Dean of the Fac. of Science not later than first day of Summer Term.

* † 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, Burlington House, Piccadilly, London, W.1.

11. MEDICINE AND SURGERY (General)

* † ABERDEEN UNIV. *Garden Fellowships* for Medical and Surgical Research, of not less than £200 p.a., tenable for from 3 to 5 yrs., normally within the University. Open to graduates in Medicine of any British Univ.

Further particulars from the Secretary.

THE ASSOCIATION OF SURGEONS OF GT. BRITAIN AND IRELAND. *Moynihan Prize.* *See under* Prizes : *Surgery*, p. 1223.

* † BEIT MEMORIAL FELLOWSHIPS FOR MEDICAL RESEARCH. Founded in 1909 by Sir Otto Beit, Bart., K.C.M.G., F.R.S., in memory of his brother Alfred, " 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 of a Univ. in the British Empire and tenable at any College, Hospital, Medical School, Laboratory, or other approved place in Great Britain. (i) *Junior Fellowships*, each of £600 p.a., and usually tenable for 3 yrs., are awarded in July for work commencing in Oct. An extension to a 4th year at £700 is sometimes granted. Notice of each election is published 3 mos. in advance. Applications are considered by an Advisory Board. (ii) *Senior Fellowships* of £900 p.a., tenable for

3 yrs., may also be awarded to persons who have already held Junior Fellowships. *Address* of Secretary to the Trust—Sir Alan Drury, F.R.S., Lister Institute, Chelsea Bridge Road, London, S.W.1.

* BRITISH MEDICAL ASSOCIATION, British Medical Association House, Tavistock Sq., London, W.C.1. (i) *The Ernest Hart Memorial Scholarship*, (ii) *The Walter Dixon Scholarship*, annual value of each not more than £200. (iii) 4 other *Research Scholarships*, annual value of each not more than £150.

Each Scholarship is tenable for 1 yr. commencing Oct. 1, with possible reappointment for not more than 2 addnl. terms. Open to candidates 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. Scholars may be allowed to hold a junior appointment at a Univ., Med. School or Hospital. Another scholarship may be held concurrently.

(iv) *The Insole Scholarship* to the value of £250 awarded biennially for research into the causes and cure of venereal diseases.

Applications for any of the above to be made on prescribed form to be obtained from the Secretary. Closing date for receipt of applications is March 31.

* † 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 £200 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.

* † ‡ (iii) *John Lucas Walker Studentship*, of £400 to £500 a year, for original research in Pathology. Normally 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.

* † ‡ (iv) *Pinsent-Darwin Studentship*, value £200 to £250 p.a., for original research in Mental Pathology. Normally for 3 yrs., but may be renewed. Open candidature, but students must become members of Cambridge Univ. Tenable at Cambridge or, with leave, elsewhere.

* † ‡ (v) Trainee posts in the clinical pathological depts. of Addenbrooke's Hospital, Cambridge, under the control of the Professors of Path. 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 Trainee Specialists (Registrars) under the

N.H.S. Act. Further particulars from the Regius Professor of Physic, Dept. of Medicine, Cambridge Univ.

* CARNEGIE TRUST FOR THE UNIVS. OF SCOTLAND, *see under* General.

* † ‡ DURHAM UNIV.: KING'S COLL., Newcastle upon Tyne. *Luccock Medical Research Fellowships*, Senior £600 p.a., and Junior £300 p.a., for research in Medicine, including Dental Surgery, tenable at King's Coll. for a period not exceeding 3 yrs. The Senior Fellowships are open to any person who, by publication or otherwise, has proved himself able to carry out original research. Candidates for Junior Fellowships must hold medical, dental, or scientific qualifications.

Further particulars from the Registrar, King's Coll., Newcastle upon Tyne, 1.

* † ‡ EDINBURGH UNIV. *Richard Brown Scholarship, see under* General.

* † ‡ EDINBURGH UNIV. *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.

Further particulars from the Secretary of the Univ.

* † GROCERS' COMPANY. One scholarship each year for the encouragement of original medical research, renewable for a 2nd yr., of the value of £400 for 1st yr, and of £500 for 2nd yr. Cost of each scholar's apparatus, etc., will be defrayed up to £50 in any one year. No other remunerative employment to be undertaken without sanction. Open to British subjects under 35 yrs. of age. Applications on prescribed form must be received before May 31 by the Clerk, Grocers' Hall, Princes Street, London, E.C.2.

* † ‡ LONDON UNIV. *Mary Scharlieb Research Studentship* for postgraduate medical research, £250 for 1 yr., renewable for 2nd yr., tenable at a place approved by the Univ. Open to graduates of London who are registered medical practitioners or qualified to undertake research. Awarded from time to time. Applns. to Academic Registrar by Feb. 28, year of issue.

* † LONDON UNIV.: BRITISH POSTGRADUATE MEDICAL FEDERATION, Central Office, 3 Gordon Square, London, W.C.1. *Postgraduate Travelling Scholarships*. A limited number awarded annually to enable graduates to study and undertake research in one of the pre-clinical or clinical branches of Medicine or Surgery at Univs. or other centres in the U.K. (excluding London) and abroad. Open to British subjects with registrable medical qualifications who are holding an appointment or are engaged in postgraduate study at one of the undergraduate or postgraduate Teaching Hospitals or Medical Schools of the Univ. of London. Tenable for 1 yr. Value dependent upon country where it is proposed to study; an allowance for home commitments may, if necessary, be made. Travelling expenses will be paid in addition. Further particulars from the Asst. Director.

* † ‡ LONDON UNIV.: KING'S COLLEGE HOSPITAL MEDICAL SCHOOL. *Wiltshire Memorial Research Scholarship.* Primarily intended to encourage research in Cardiology, to be carried out under the direction of the Physician in Charge of the Cardiology Dept., but research in any medical subject may be undertaken subject to the approval of the Medical School Council. Open to Registered Medical Practitioners. Tenable for 1 yr.; may be renewed annually. Part-time Value £250 p a. Further particulars from the Secretary.

* † ‡ 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. Forms of application to be obtained from, and sent in by Feb. 1 each yr. to, the Warden and Secretary at the above address.

* † ‡ 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 preclinical or clinical depts Open to registered medical practitioners. Applications by May 31 to the Secretary

* MCCUNN TRUST. *Medical Research Scholarships* (4), for higher study or original research in Medicine and allied subjects, £200 p.a., tenable for 1 yr. or more at an approved institution at home or abroad. Open to graduates in Medicine of not more than 5 yrs.' standing in a Scottish Univ. Forms of Application to be obtained from, and sent in by Sept. 1 each yr. to, Mitchells, Johnston and Co., Solicitors, 160 West George Street, Glasgow, C 2.

THE MEDICAL RESEARCH COUNCIL, 38 Old Queen St., Westminster, S.W.1, formerly the Medical Research Committee established in 1913 under the Nat. Health Insurance Act, transferred by Royal Charter, 1920, to a Committee of the Privy Council. They apply money voted by Parliament or received from private sources for the furtherance of medical research.

* † ‡ *Research grants* are made 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 expenses necessarily incurred in the prosecution of the approved researches.

* In addition, the Council award *Postgraduate Studentships* to enable young medical or science graduates of special promise to receive whole-time training in research methods under suitable direction in recognized institutions. Particulars of the scheme may be obtained from the Secretary at the address given above.

* THE NUFFIELD FOUNDATION, 12-13 Mecklenburgh Square, London, W.C.1. (i) *Medical Fellowships.* Open to citizens of the U.K. (usually aged 25-35) holding Univ. degrees in Medicine registrable in the United

Kingdom, and M.R.C.P. or F.R.C.S. diploma, who wish to train further for sr. appointments in teaching or research. Preference to those wishing to specialize in child health, psychiatry, social medicine, industrial health, or chronic rheumatism. Tenable anywhere, from 1 to 3 years. Value £900-£1300 p.a. and travelling expenses.

Further particulars from the Secretary.

† (ii) *Dominion Travelling Fellowships, see under* General.

† OXFORD UNIV. *Nuffield Foundation Dominions Demonstratorships and Clinical Assistantships.* Open to graduates of the Universities of Adelaide, Melbourne, Queensland and Sydney, Australia; New Zealand; Cape Town and Witwatersrand, South Africa.

Appointments to be made by the University of Oxford on the nomination of the candidate's University.

* † ROYAL COLL. OF PHYSICIANS OF LONDON, Pall Mall East, London, S.W.1. (i) *Leverhulme Research Scholarships* (2), 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, approximately £250 p.a. 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 who are not engaged in private practice.

Further particulars from the Assistant Registrar.

* ROYAL COLL. OF PHYSICIANS, Edinburgh. (i) *Freeland Barbour Fellowship*, value about £100, awarded biennially; last award May 1949. Open to those who have done original work for the most part in the two preceding yrs. in the Laboratory of the Royal Coll.

(ii) *Lister Fellowship*, value about £100, awarded biennially. Open to licentiates or graduates in Med. or Surg. for original research carried on for the most part during the two preceding yrs. in the Laboratory of the Royal Coll.—preference to research in Bacteriology.

* † 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. 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.

ROYAL COLL. OF SURGEONS, Lincoln's Inn Fields, London, W.C.2.

* † (i) *Arthur Sims Commonwealth Travelling Professorship*, £2000 p.a. A Commonwealth Professor will be appointed annually and will generally be a prominent physician, surgeon or scientific worker resident in Gt. Britain or in Australia or New Zealand. 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, Mr. 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 and the Royal Australasian Coll. of Surgeons.

* † ‡ (ii) *Bland-Sutton Research Scholarship*, £300 p.a., for research in a medical or surgical subject, tenable for 1-3 yrs. at the Bernhard Baron Laboratories of the Royal Coll. Open to qualified graduates of any Univ.

* † (iii) *Leverhulme Research Scholarships* (2), £400 p.a. plus £100 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.

* † (iv) *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.

ROYAL SOCIETY. *Foulerton Research Fund* and *E. Alan Johnston Lawrence and Mosely Research Fellowship, see under* Science (General).

* † ROYAL SOCIETY OF MEDICINE. (i) *William Gibson Research Scholarship* in Medicine, £220 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 relating to ætiology, pathology, prevention or treatment of puerperal sepsis. The Fellowship is offered

triennially and is of 2 yrs.' duration. 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.

* † ‡ SHEFFIELD UNIV. *J. G. Graves Medical Research Fellowship*, about £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.

Further particulars from the Registrar.

12. MEDICINE AND SURGERY (Special Subjects)

Anatomy

* † LONDON UNIV.: IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. *Henry George Plimmer Fellowship, see under* Science (Special Subjects)—Biochemistry.

* † ‡ 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.

‡ LIVERPOOL UNIV. *John W. Garrett International Fellowship* in Bacteriology, 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. 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 30.

* † LONDON UNIV.: IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. *Henry George Plimmer Fellowship, see under* Science (Special Subjects)—Biochemistry.

* † LONDON UNIV.: LISTER INSTITUTE OF PREVENTIVE MEDICINE, Chelsea Bridge Road, London, S.W.1. *The Jenner Memorial Research Studentship*, £300 for 1 yr. with possible extension for 2nd yr., tenable at the above Institute. Open to British subjects. Vacancies advertised in medical journals.

* ROYAL COLL. OF PHYSICIANS, Edinburgh. *Lister Fellowship, see* Medicine and Surgery (General).

Biochemistry

See Science (Special Subjects).

Cancer

* † 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.

THE BRITISH EMPIRE CANCER CAMPAIGN was founded in May 1923 to co-ordinate and support research into the causation, distribution, symptoms, pathology and treatment of cancer. The governing body of the Campaign is the Grand Council, which has distinguished representation in both the medical and lay fields. It is assisted by various expert committees, including a Scientific Advisory Committee, the members of which are appointed jointly by the Royal Society, the Medical Research Council and the Campaign. It relies entirely on voluntary public support for its funds, and makes grants, on application, both to institutions and individuals, for schemes of cancer research which have been approved by the Grand Council In the year 1949 these grants totalled over £150,000. It has also recently created Fellowships of 3 types: *Senior* (up to 7 yrs ' tenure in U.K., commencing at £2000 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 $4,000 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.

LEEDS UNIV. *Cancer Research Fellowships* given through Yorkshire Council of the British Empire Cancer Campaign. 5 in number, value not exceeding £500. Tenable in the Univ. of Leeds for 1, 2, or 3 yrs., renewable. Vacancies announced as they occur.

* † ‡ 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.

* † ‡ 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.

* † ‡ ROYAL COLLEGE OF SURGEONS, Lincoln's Inn Fields, London, W.C.2. *Prophit Studentships* (2), £500 p.a., with a possible additional grant of £200 towards travelling 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.

Cardiology

* † ‡ LONDON UNIV. *Wiltshire Memorial Research Scholarship, see under* Medicine and Surgery (General).

Diseases of Children

* † ‡ LIVERPOOL UNIV. *Ridgway Research Scholarship*, 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. Application, stating academic career and subject of proposed investigation, to be sent to the Dean of the Fac. of Med. not later than June 30.

* † ‡ 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 award 1951. Last day of entry June 30.

Further particulars from the Registrar.

Neurology and Psychiatry

* † ‡ HENDERSON TRUST. *Henderson Research Scholarship*, £750 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 James G. Moffat, Secretary to the Trustees, 190 West George St., Glasgow, C.2.

* † ‡ 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.

* † ‡ 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. If no award made in 1950, will be offered in 1951. Applns. not later than June 1.

Further particulars from the Registrar.

* † ‡ 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

* † ‡ 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

* † 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.

* † 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

* † 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 in the British Dominions or in other parts of the British Empire.

* † ‡ ROYAL COLL. OF SURGEONS and UNIV. OF LIVERPOOL and LIVERPOOL MEDICAL ASSOCIATION. *Robert Jones Travelling Research Fellowship* in Orthopædic Surgery, £300 p.a., tenable for 1 yr., of which a part must be spent abroad, is 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

* † ‡ 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.

Pædiatrics

* † ‡ LIVERPOOL UNIV. *Cow and Gate Fellowship* in Pædiatrics, £650 p a, open to holders of a medical qualification, or a degree in the Faculty of Science of an approved Univ., tenable for 1 yr.; holder eligible for reappointment on two further occasions.

Cow and Gate Scholarship in Pædiatrics, £250 p.a. Regulations as for Fellowship, but part-time only and may be held coincidentally with other approved part-time appts. Applications to Dean, Faculty of Medicine.

Pathology

* † ABERDEEN UNIV. *Georgina McRobert Research Fellowship, see under* Medicine and Surgery (Special Subjects)—Cancer.

* † ‡ 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* in Pathological research, not exceeding £500 p.a. for 3 yrs., offered triennially or as casual vacancies occur, tenable at Cambridge, exceptionally elsewhere. Open to graduates of any Univ.

* † ‡ (ii) *Pinsent-Darwin Studentship* in Mental Pathology, not exceeding £250 for 3 yrs. Conditions as for (i) above.

* † ‡ THE LADY TATA MEMORIAL TRUST grants and scholarships. *See under* Science (General).

* † ‡ LIVERPOOL UNIV. *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.

* † ‡ LONDON UNIV. *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. Applications to the Academic Registrar.

* † LONDON UNIV.: IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. *Henry George Plimmer Fellowship, see under* Science (Special Subjects) —Biochemistry.

* † ‡ OXFORD UNIV. *Philip Walker Studentship* for research in Pathology, £250 p.a., tenable for 3 yrs. Open to graduates of any Univ.

* † ‡ SOCIETY OF APOTHECARIES OF LONDON. *Gillson Scholarship* for the encouragement of original research in any branch of Pathology, £500 p.a., tenable at an approved institution. Awarded triennially; next award in 1952. 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 months of election to the scholarship.

Further particulars from the Registrar, Apothecaries' Hall, Black Friars Lane, Queen Victoria St., London, E.C.4.

Physiology

* † ‡ INSTITUTE OF CHILD HEALTH, Hospital for Sick Children, Great Ormond St., London, W.C.1. *Cow and Gate Fellowship* for research in the physiology and metabolism of infancy. At present one part-time Fellowship of £500 p.a., tenable for 3 yrs. Date of next award uncertain.

Further particulars from the Secretary.

* † ‡ 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 September 1 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 October.

Further particulars from the Registrar.

* † ‡ MANCHESTER UNIV. *Sybil Mary Pilkington Fellowship* for research into diseases of the blood with particular reference to the causation, treatment and cure of leukæmia in man. £400 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 annually.

Further particulars from the Registrar.

Preventive Medicine

* † ‡ LONDON UNIV. *A. H. Bygott Scholarships.* 2 offered annually for the course for the Academic Diploma in Public Health; value approx. £100, eligible for supplementation by Ministry of Education in certain circumstances.

The Scholarships are tenable at the London School of Hygiene and Tropical Medicine and applicants must be registered medical practitioners who are serving in Public Health Depts or who intend to enter, or have already entered, the Public Health Service, either at home, in the Dominions or in the Colonies. Last date of application, May 1 in yr of award

* † ‡ LONDON UNIV.: LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE, Keppel Street, London, W.C.1. *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., the fee for the course.

Further particulars may be obtained from the Assistant Dean.

* † ‡ 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 qualifn. If not awarded in 1950, will be offered in 1951. Applns. 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. If no award in 1950, will be offered in 1951. Last date for applns., June 1.

Further particulars from the Registrar.

Rheumatism

* † ‡ BRISTOL UNIV. *Sidney Robinson Fellowship* for research into Rheumatism, tenable at the Royal National Hospital for Rheumatic Diseases, Bath. Value £900 p.a., which may be increased in an exceptional case. In addition a small annual sum may be made available for the payment of a laboratory assistant and running expenses. Tenure, 1 yr., with a possible extension for a further 2 yrs.

The appointment is made by the Univ. after consultation with the donor and the Hospital authorities, and the subject to be investigated

is determined by the Univ. after consultation with the Empire Rheumatism Council.

The Fellow will be a member of the Univ. staff and will be required to undertake some teaching duties, but his work will be mainly carried out at the Hospital under the supervision of the Head of the Department. He will, subject to the approval of the physicians, have access to the Hospital records and will be required to report to the Univ. at least annually.

Further particulars from the Secretary and Registrar.

Tropical Medicine and Hygiene

LONDON UNIV.: LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE, Keppel Street, London, W.C.1.

* † ‡ (i) *Wandsworth Scholarship* for research in Trop. Med. and Hygiene, £300 p.a., plus overseas allowance, 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 £27,000; income available about £1000 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* (1909). Founded by the late Lord and Lady Sheffield. Capital £1700; 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 £80 p.a. for the creation of studentships or the making of grants for special research work 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 Diploma in Tropical Medicine and Hygiene course) but unable to do so for financial reasons.

* † ‡ (vi) *Mansfield Aders Scholarships.* A reserve fund, arising out of a bequest by Dr. Walter Mansfield Aders, Economic Biologist to the Government of Zanzibar, who died in 1934, is provided for grants towards work in Entomology or Parasitology.

Tuberculosis

* † ‡ LIVERPOOL UNIVERSITY. For *Ridgway Research Scholarships, see under* Medicine (Special)—Diseases of Children.

* † ‡ 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. practitioner. Applications to the University Registry, Cathays Park, Cardiff.

13. PSYCHICAL RESEARCH

* † ‡ 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 or titular 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 months before the time at which the election will take place.

14. SCIENCE (General)

* † 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.

* † ‡ BEIT FELLOWSHIP FOR SCIENTIFIC RESEARCH. Founded by the late Sir Otto Beit, Bart., K.C.M.G., F.R.S., in 1913 for advancement of Science by means of research. At present £500 p.a. for 2 yrs. subject to report at end of 1st yr. Tenable at Imperial Coll. of Sc. and Tech., 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 3 mos. in advance, are made annually in July. Applications should give full information as to qualifications, previous career, general character of proposed research, whether applicant has private means sufficient to carry on the research for 2 yrs. without aid of Fellowship, names of not more than 3 referees, including one on the staff of the Univ. or Coll. or a Coll. of the Univ. at which the degree, etc., was obtained. Testimonials should not be sent. Capacity for research, personal record and importance of proposed research will be taken into consideration. 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.

* 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 £200 p.a., tenable at approved Univ. institutions in the United Kingdom. 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.

* † ‡ CAMBRIDGE UNIV. (i) *Imperial Chemical Industries Fellowships* in Physics, Chemistry, Engineering, Metallurgy, Pharmacology, Chemotherapy, Physical Chemistry, Biochemistry, Colloid Science, £500-£850 p.a., not exceeding 5 yrs. in all, tenable at Cambridge and also at the Univs. of Durham, Leeds, London, Manchester and Edinburgh.

Applications should be lodged with the Registrar or Secretary of the Univ. at which it is desired to hold the Fellowship by April 30.

(ii) *Gordon Wigan Fund*, £370 p.a., for scientific education or research.

* † ‡ CAMBRIDGE UNIV.: GIRTON COLL. (i) *Tucker-Price Scientific Research Fellowship*, not less than £250 for 3 yrs., for research in Mathematics, Natural Sciences, Engineering, Medicine, Experimental Psychology, Physical Geography or Agriculture, normally tenable at Girton. Open to women graduates of any Univ., preference to those of Univs within the British Commonwealth. Tenure as from July 1 or October 1 at Fellow's option. Offered from time to time.

* † ‡ (ii) *Tucker-Price Studentship* for research in Mathematics, Natural Sciences and Geography, value £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). Further particulars from College Secretary.

* CARNEGIE TRUST FOR THE UNIVS. OF SCOTLAND. *See under* General.

* 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 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 4d.

* † ‡ DURHAM UNIV. (i) *Imperial Chemical Industries Fellowships, as under* Cambridge Univ. above.

* † ‡ (ii) *Turner and Newall Fellowship* for research in Engineering, Inorganic Chemistry or Physics, or in an allied science, normally £600 p.a. for 3 yrs., renewable up to 3 further yrs., tenable in the Durham Colls. or King's Coll., Newcastle upon Tyne, and also in the Univs. of Leeds, London and Manchester. Open to men and women graduates of any Univ. qualified to undertake research.

Applications to the Registrar (for London, the Academic Registrar) of the Univ. at which it is desired to undertake research by April 30.

* † ‡ DURHAM UNIV.: THE DURHAM COLLS. *Research Fellowship* in Pure Science, £600 for 2 yrs., renewable for a further yr.; tenable in the Faculty of Pure Science. Open to graduates of any Univ., preferably with research experience. Further particulars from the Secretary, 38 North Bailey, Durham.

* † ‡ 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 Fellowships, as under* Cambridge Univ. above.

* † ‡ (iii) *Richard Brown Scholarship, see under* General.

* † ‡ EXETER UNIV. COLL. OF THE SOUTH-WEST OF ENGLAND. *Andrew Simons Graduate Scholarship* in Science, normally not exceeding £200, tenable at the Coll. and restricted in the first instance to graduates of the Coll. Failing suitable candidates, it may be awarded to graduates of any recognized Univ.

Further particulars from the Academic Secretary.

* † ‡ HULL UNIV. COLL. *Research Awards*, £250 p.a. for 1 yr. in the first instance, renewable for a 2nd yr. Open to graduates of any Univ. holding a good honours degree. Successful applicants may be required to assist in demonstrating to students.

Further particulars from the Registrar.

* † ‡ THE 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 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, and 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.

* † ‡ 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 Fellowships, as under* Cambridge Univ. above.

* † ‡ (iii) *Turner and Newall Research Fellowships, as under* Durham Univ. above.

Further particulars from the Registrar.

* † ‡ 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, July 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 Fellowships, as under* Cambridge Univ. above.

* † ‡ (iv) *Turner and Newall Research Fellowships, as under* Durham Univ. above.

Further particulars in each case from the Academic Registrar, Univ. of London, Senate House, London, W.C.1.

* † ‡ MANCHESTER UNIV. (i) *Imperial Chemical Industries Fellowships, as under* Cambridge Univ. above.

* † ‡ (ii) *Turner and Newall Research Fellowships, as under* Durham Univ. above.

* † (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 per annum, 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. Next offer, 1951. Applications by July 1.

Further particulars from the Registrar.

* † NOTTINGHAM UNIV. (i) *Carr Scholarship* for research in Geology, Botany or Entomology, £250 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.

Further particulars from the Registrar.

† THE NUFFIELD FOUNDATION. *Dominion Travelling Fellowships, see under* General.

* † ‡ OXFORD UNIV (i) *Imperial Chemical Industries Fellowships* in Physical Chemistry, Biochemistry, Colloid Science, Chemotherapy, Pharmacology, Engineering or Metallurgy, or any other subject which, in the opinion of the Cttee., is related to the study of Chemistry or Physics. Stipend normally £700 p.a., the length and conditions of tenure being determined by the Cttee.

* † ‡ (ii) *Pressed Steel Co. Ltd. Research Fellowships*, normally for 3 yrs. in the first instance, stipend between £600 and £1400 p.a. and children's allowances and superannuation. Further particulars from the Registrar.

* † THE ROYAL COMMISSION FOR THE EXHIBITION OF 1851 offers: (i) *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 investigations 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 Empire. Value £350 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 years. At present 10 (Canada 3, Australia 2, S. Africa, N.Z., Eire, and India and Pakistan, 1 each) are offered annually; recommendations for Scholarships offered for 1951 receivable by March 21, 1951, from the following Univs.: Alta, B.C., Dal., Laval, McG., Manit., Queen's (Ont.), Sask., Tor., and any of the Univs. of Australia, N.Z., S. Africa, 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 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 Secy. to the Commrs., 1 Lowther Gardens, Exhibition Rd., London, S.W.7.

* † ‡ THE ROYAL INSTITUTION. (i) *Dewar Research Fellowship*, £1000 p.a., for the furtherance of research in a subject related to the chemical or physical sciences at the discretion of the Managers of the Institution, tenable at the Davy Faraday Research Laboratory of the Institution, London, for 3 yrs., renewable for a further 2 yrs. Open to graduates of any Univ. Incumbent: Dr. D. P. Riley.

† (ii) *Science Research Scholarship for Overseas Universities*, £350 p.a., plus possible grants towards travelling expenses and fees, for research in any branch of the physical sciences for which facilities are available in the Davy Faraday Research Laboratory, London; tenable for 2, and in exceptional cases 3, years. One award is made each year. Open to British subjects under the age of 26 from Canada, Australia, N.Z. and S. Africa who are concurrently recommended for the Science Research Scholarships for overseas scholars offered by the Royal Commission for the Exhibition of 1851. Scholars may not hold additional emoluments without the permission of the Managers of the Royal Institution, and must state their desire to be considered for a Royal Institution Research Scholarship on their application form for an 1851 Scholarship.

Further particulars from the General Secretary, 21 Albemarle Street, London, W.1.

THE ROYAL SOCIETY, Burlington House, Piccadilly, London, W.1. (i) *Foulerton Research Fund.* (*a*) *Research Professorships*, with stipend £1400-£1700 p.a. *Duties*: To conduct, in a place approved by the President and Council of the R.S., such original researches in Medicine or the contributory sciences, on lines approved of by the President and Council, as shall be calculated to promote the discovery of the causes of disease and the relief of human suffering. The Professors shall devote the whole of their time to research. Tenable for 5 yrs. in the first instance, the appointment being thereafter renewable for further periods of not more than 5 yrs. at a time. * † (*b*) *Research Fellowships* of £850-£900 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. Incumbents: (*a*) Prof. A. V. Hill; (*b*) Miss H. B. Fell and Dr. C. H. Dent.

(ii) *Yarrow Research Professorships* for research (whole-time) in Math., Physical, Chemical or Engineering Sciences. Value £1000-£1600 p.a., tenable at a Univ. or other place to be approved by the President and Council of the Royal Society for a period of 5 yrs., the appointments being renewable for further successive periods of 5 yrs. Incumbent: Sir Geoffrey Taylor.

* † ‡ (iii) *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. Incumbent: Mr. S. A. Barker.

* † (iv) *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. Incumbent: Dr. A. J. Birch.

* † ‡ (v) *Sorby Research Fellowship* for original scientific research, £800 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. Incumbent: Dr. W. S. Bullough.

For all the above appointments applications are invited by public advertisement.

* † ‡ (vi) *E. Alan Johnston, Lawrence, and Mosely 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. Incumbent: Dr. R. Barer.

(vii) *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. Incumbents: Mr. A. G. Gaydon, Dr. W. Hume Rothery, Dr. C. R. Burch and Dr. F. J. Dyson.

The foregoing awards, unless otherwise stated, are open to qualified persons, irrespective of nationality, but in practice are generally awarded to British nationals.

(viii) *Scientific Relief Fund* (income about £1600 p.a.) to aid scientific men or their families requiring assistance.

(ix) *Other Funds*: Browne, for assisting marine expeditions and marine biological research; Forsyth and Head, both 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.

(x) *Government Grant for Scientific Investigations*, advertised thrice annually in time for applications to be received by March 31, July 31 and Nov. 30. Only British subjects are eligible.

(xi) *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 Anglo-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.

* † ‡ SHEFFIELD UNIV. (i) *Sorby Research Fellowship*, £800 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 1946.

* † (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.

* † ‡ 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. 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.

15. SCIENCE (Special Subjects)

Astronomy

* † OXFORD UNIV.: BALLIOL COLL. *Shynner 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.

Biochemistry

* † ABERDEEN UNIV. *Georgina McRobert Research Fellowship, see under* Medicine and Surgery (Special Subjects)—Cancer.

* † ‡ IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, *see under* Science (General).

† 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 30.

* † LONDON UNIV.: LISTER INSTITUTE OF PREVENTIVE MEDICINE, Chelsea Bridge Road, London, S.W.1. *The Grocers' Company Research Studentship* in Biochemistry, £300 p.a., tenable at the above Institute for 1 yr., with possible extension for 2nd yr. Open to British subjects. Vacancies advertised in appropriate journals.

* LONDON UNIV.: UNIVERSITY COLL. *Bayliss-Starling Memorial Scholarship, see under* Physiol. below.

* † 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 £190 p.a., tenable at a recognized instn. at home or abroad under the general supervision of the Biological Department 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.

Biology

* † ABERDEEN UNIV. *Georgina McRobert Research Fellowship, see under* Medicine and Surgery (Special Subjects)—Cancer.

* † BELFAST, THE QUEEN'S UNIV. *Musgrave Research Studentships, see under* Medicine and Surgery (Special Subjects)—Pathology.

* † ‡ CAMBRIDGE UNIV. (i) *Balfour Studentship* in Biological Research, especially in Animal Morphology, at least £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.

* † ‡ 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. Applications to the Principal before May 1. Awarded from time to time as funds permit.

* † ‡ DEVELOPMENT COMMISSIONERS. *Postgraduate Training Grants in Fishery Research, see under* Fisheries.

* EMPIRE COTTON GROWING CORPORATION. *Postgraduate Scholarships, see under* Agriculture, Veterinary Science, etc.

* † NOTTINGHAM UNIV. *Carr Scholarship, see under* Science (General).

Botany

* † ‡ CAMBRIDGE UNIV.: GIRTON COLL. *Ethel Sargant Studentship* for research in Natural Sciences, preferably in Botany, value £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.

* † ‡ DEVELOPMENT COMMISSIONERS. *Postgraduate Training Grants* in Fishery Research, *see under* Fisheries.

* † ‡ DURHAM UNIV.: THE DURHAM COLLS. *Research Fellowship in Pure Science, see under* Science (General).

* † ‡ LONDON UNIV.: BEDFORD COLL. FOR WOMEN. *Postgraduate Fellowship* in Botany, *see under* General.

* † ‡ MANCHESTER UNIV. *Grisedale Scholarship* for biological research, £200 annually, 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 1951. (Pref. to Zoology.) Last date for applns., June 1.

Further particulars from the Registrar.

* † NOTTINGHAM UNIV. *Carr Scholarship, see under* Science (General).

Chemical Engineering

* † ‡ BIRMINGHAM UNIV. (i) *Research Scholarships* in Chemical Engineering and Petroleum Production, 2 or more each yr., commencing value £220 p.a., with remission of tuition fees, may be renewed for 2 further yrs. in which case will be increased in value by £20 each yr. 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 Chemistry or Engineering as principal subject together with industrial experience in the Chemical Engineering field.

Further particulars from the Registrar.

LONDON UNIV. : IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY, London, S.W.7

* † ‡ (i) *Leverhulme Studentship* in Chemical Engineering, £250 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) *Federated Foundries Ltd. Scholarship.* £300 p.a. plus College fees for 1 yr., renewable for 2nd. Candidates must be of British nationality and must hold an honours degree in Chemical Engineering, Chemistry or Physics. For postgraduate work in Chemical Engineering.

Further particulars from the Registrar.

* † ‡ LONDON UNIV. : KING'S COLL., Strand, London, W.C.2. *Leverhulme Studentship* in Chemical Engineering, value £250 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 Engineering. The holder will be required to pursue a prescribed course of study or research, or to conduct original research in Chemical Engineering.

* LONDON UNIV : UNIV. COLL., Gower St., London, W.C.1. *Leverhulme Studentships* in Chemical Engineering (2), value £350 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. Eng. or a special course in the subject, or carry out orig research at Univ Coll. Applications not later than May 15 to the Registrar.

* † ‡ SALTERS' INSTITUTE OF INDUSTRIAL CHEMISTRY. *Salters' Scholarship, and Fellowship, see under* Applied Science and Technology.

Chemistry

* † ABERDEEN UNIV. *Robbie Scholarships* in Chemistry, *see under* Science (General).

* † BELFAST, THE QUEEN'S UNIV. *Musgrave Research Studentships, see under* Medicine and Surgery (Special Subjects)—Pathology.

* † ‡ BIRMINGHAM UNIV. *Priestley Scholarships* in Chemistry (2), £220-£260 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.

* † 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 November 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.

* DURHAM UNIV.: KING'S COLL., Newcastle upon Tyne *Johnston Chemical Studentship*, £200, *and Prize*, £10, for 1 yr., tenable at the Coll., involving at least 24 hrs. per week throughout the session. Open to Bachelors of Science of any British Univ. of not more than 3 yrs.' standing from graduation. Applications to Registrar not later than May 15 in each yr.

* † ‡ DURHAM UNIV.: THE DURHAM COLLEGES. *Research Fellowship* in Pure Science, *see under* Science (General).

* † ‡ EDINBURGH UNIV. *Dewar Research Fellowship*, *see under* Science (General).

* 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 British 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.

* † ‡ IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, *see under* Science (General).

* † ‡ INSTITUTE OF CHILD HEALTH, Hospital for Sick Children, Great Ormond St., London, W.C.1. *Imperial Chemical Industries Research Fellowship* in Organic Chemistry, £800 p.a., with £200 p a. for research expenses, tenable for 3 yrs. at the Institute. Date of next award uncertain.

Further particulars from the Secretary.

* † ‡ LEEDS UNIV. *Henry Ellison Senior Fellowships*, *see under* Science (General).

* † ‡ LONDON UNIV.: BEDFORD COLL. FOR WOMEN. *Postgraduate Fellowship* in Chemistry, *see under* General.

* † LONDON UNIV.: IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY. *Harold John Cotes Fellowship* in Protein Enzymology. £300 p.a. plus College fees for 1 yr., renewable for 2nd yr. Open to graduates in Chemistry. Further particulars from the Registrar.

* † ‡ 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 in-

habitants of Lancashire, with preference to candidates born in or inhabitants of Rochdale. If no award in 1950, will be offered in 1951. Last date of appln., June 1.

Further particulars from the Registrar.

* † RAMSAY MEMORIAL FELLOWSHIPS. The Trustees (Chairman, Sir Robert Waley Cohen, K.B.E.; 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 a yr. 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 in the U.K. possessed of the requisite facilities for research; also in exceptional circumstances in other parts of the Commonwealth, and, by special permission of the Trustees, elsewhere. One is limited to candidates nominated by the Univ. and the Royal Technical College, Glasgow.

* † ‡ THE ROYAL INSTITUTION. (i) *Dewar Research Fellowship* and (ii) *Science Research Scholarship for Overseas Universities, see under* Science (General).

SALTERS' INSTITUTE OF INDUSTRIAL CHEMISTRY *Salters' Scholarship, and Fellowship, see under* Applied Science and Technology.

* † ‡ TURNER AND NEWALL FELLOWSHIP in Inorganic Chemistry, *see under* Science (General).

Colloid Science

* † ‡ CAMBRIDGE UNIV. *Oliver Gatty Studentship* in Colloid Science, especially physical methods applied to biological problems, about £400 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.

* † ‡ IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, *see under* Science (General).

Dental Science

* THE NUFFIELD FOUNDATION, 12-13 Mecklenburgh Square, London, W.C.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.

Further particulars from the Secretary.

Geology

* † ‡ 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).

* † ‡ LONDON UNIV.: BEDFORD COLL. FOR WOMEN. *Postgraduate Fellowship* in Geology, *see under* General.

* † NOTTINGHAM UNIV. *Carr Scholarship, see under* Science (General).

Mathematics

See Arts (Special Subjects)

Metallurgy

* † 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 Department of the Univ.; value to be determined in each individual case by the Faculty. Open to graduates of any British Univ.

* † ‡ (iii) *Bowen Scholarship* in Metallurgy, £220-£260 p a., with remission of tuition and examination fees, tenable for 1 yr., the work engaged on by the scholar to have a direct or theoretical bearing on some department of Metallurgy. Open to graduates of any Univ.

Further particulars from the Registrar.

* † BRITISH IRON AND STEEL RESEARCH ASSOCIATION. *Bursaries, see under* Applied Science and Technology.

* † ‡ IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, *see under* Science (General).

* † ‡ IRON AND STEEL INSTITUTE. *Andrew Carnegie Travelling Scholarship, and Research Grants, see* Appendix III.

* † ‡ LEEDS UNIV. (i) *Yorkshire Copper Works Research Scholarship, see under* Applied Science and Technology. (ii) *Henry Ellison Senior Fellowships, see under* Science (General).

THE ROYAL SOCIETY. *Warren Fellowships, see* Science (General).

* † ‡ WALES, UNIV. OF: SWANSEA UNIV. COLL. *Research Studentships, see under* Engineering (General).

Nutrition

* † ‡ 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. Next offer 1951. Applns. by Jan. 31.

Further particulars from the Registrar.

Pharmacy

* † ‡ IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, *see under* Science (General).

MANCHESTER UNIV. * † ‡ (i) *Allen and Hanburys 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.

Further particulars from the Registrar.

* THE PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.1. (i) *The 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 Gt. Britain. Value £350 p.a., awarded annually. Last day for applications, May 31.

(ii) *Redwood Research Scholarship.* Value £300 p.a. Next award 1955.

(iii) *Burroughs Research Scholarship.* Value £300 p.a. Next award 1957.

(iv) *Ransom Research Fellowship.* Value £300 p.a. Next award 1953.

(v) *Rammell Research Studentship.* Value £300 p.a. Next award 1951. Last day, June 1.

(vi) Two Pharmaceutical Society Research Scholarships. Value £300 p.a. Awarded annually. Last day, June 1.

Each scholarship is tenable for 2 yrs. in the research laboratories of any School of Pharmacy in Great Britain approved by awarding body. Candidates must be pharmaceutical chemists or approved graduates in Pharmacy. Further particulars from the Secretary.

Physics

* † ABERDEEN UNIV. (i) *Georgina McRobert Research Fellowship, see under* Medicine and Surgery (Special Subjects)—Cancer.

* † (ii) *Robbie Scholarship in Natural Philosophy, see under* Science (General).

* † BELFAST, THE QUEEN'S UNIV. *Musgrave Research Studentships, see under* Medicine and Surgery (Special Subjects)—Pathology.

* † ‡ 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.

* † ‡ BRISTOL UNIV. (i) *George Wills Research Associateships* (3), minimum value £300 p.a., tenable at the Univ. Open. Vacancy unlikely for several years.

Further particulars from the Registrar and Secretary.

* † BRITISH IRON AND STEEL RESEARCH ASSOCIATION. *Bursaries, see under* Applied Science and Technology.

* † ‡ 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 1950.

* † ‡ DURHAM UNIV.: THE DURHAM COLLS. *Research Fellowship* in Pure Science, *see under* Science (General).

* † ‡ EDINBURGH UNIV. *Dewar Research Fellowship, see under* Science (General).

* GLASGOW UNIV. *Coats Fellowship, see under* Science (Special Subjects)—Chemistry.

* † ‡ LONDON UNIV.: BEDFORD COLL. FOR WOMEN. *Postgraduate Fellowship* in Physics, *see under* General.

* † ‡ MANCHESTER UNIV. *John Harling Fellowship* for research in Physical Science. £200 and occasionally more; renewable for 2nd and possibly 3rd yrs., normally tenable at the above. Open to all persons who can furnish satisfactory evidence of ability to pursue research. Next award not fixed.

Further particulars from the Registrar.

* † ‡ 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.

* † ‡ THE ROYAL INSTITUTION. (i) *Dewar Research Fellowship* and (ii) *Science Research Scholarships for Overseas Universities, see under* Science (General).

* † ‡ TURNER AND NEWALL FELLOWSHIP in Physics, *see under* Science (General).

Physiology

* † BELFAST, THE QUEEN'S UNIV. *Musgrave Research Studentships, see under* Medicine and Surgery (Special Subjects)—Pathology.

‡ LIVERPOOL UNIV. *Garrett International Fellowship, see* Bacteriology.

* † ‡ LONDON UNIV.: BEDFORD COLL. FOR WOMEN. *Postgraduate Fellowship* in Physiology, *see under* General.

* LONDON UNIV.: UNIV. COLL., Gower St., London, W.C.1. * (i) *The*

Bayliss-Starling Memorial Scholarship in Physiol. and/or Biochemistry (founded 1929), 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 undergrad. of the Univ. of London or any other approved Univ. as aforesaid of suitable standing in Sci. or Med. Applns. to the Registrar of the Coll. not later than May 15.

* † (ii) *Sharpey Physiological Scholarship*, value £135 for 1 yr., renewable from yr. to yr. For the encouragement of research in Physiol. The Scholar assists in the teaching of Physiol.

Further particulars from the Registrar.

* † ‡ MANCHESTER UNIV. *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 year of award without further restrictions. Applns. by June 20 in year of award. If no award in 1950, will be offered in 1951.

Further particulars from the Registrar.

Zoology

* † ‡ DURHAM UNIV.: THE DURHAM COLLS. *Research Fellowship in Pure Science, see under* Science (General).

* † ‡ LONDON UNIV.: BEDFORD COLL. FOR WOMEN. *Postgraduate Fellowship in Zoology, see under* General.

* † LONDON UNIV.: IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. *Henry George Plimmer Fellowship, see under* Science (Special Subjects)—Biochemistry.

* † ‡ MANCHESTER UNIV. *Grisedale Scholarship* for biological research, *see under* Botany above.

16. THEOLOGY

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 Managers of the Fund.

* † ‡ EDINBURGH UNIV. *Richard Brown Scholarship, see under* General.

* † LONDON UNIV.: KING'S COLL., Strand, London, W.C.2. *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.

17. PRIZES

Biometrics

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 1947.

Classics

* † ‡ LONDON UNIV.: KING'S COLL. *Ronald Burrows Memorial Prize, see under* Arts (Special Subjects)—Classics.

Dental Surgery

* † ROYAL COLL. OF SURGEONS, Lincoln's Inn Fields, London, W.C.2. (i) *Cartwright Prize* (of £105) *and Medal*, founded in 1884 by the "Association of Surgeons practising Dental Surgery" with the object of commemorating the service 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, 1950, the subject being "The Healing of Injuries and Post-operative Lesions 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. Next award 1951.

English Literature

* † ‡ 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

* † 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

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 annually, and applications should reach the Sec., Institute of Historical Research, University of London, The Senate House, London, W.C.1, before Oct. 1.

* † THE ROYAL EMPIRE SOCIETY. (1) *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 Empire, of not more than 4 yrs.' standing from their first degree.

* † (ii) *Darling Essay Competition* in Economic Development. Triennially, value £50, for an essay (10,000-20,000 words) concerning Imperial econ. development, especially in its monetary and financial aspects. Open to (*a*) students, including postgraduate students, of any Univ. or Univ. Coll. in the Empire and (*b*) other persons engaged in the study or practice of economics. Candidates should be under 30 yrs. of age.

Further particulars in each case from the Secretary, Imperial Studies Committee, Royal Empire Society, Northumberland Avenue, London, W.C.2.

* † ‡ 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; next award 1952.

Further particulars from the Secretary at 96 Cheyne Walk, Chelsea, London, S.W.10.

International Peace

* CECIL PEACE PRIZE. A prize of £100 is offered annually for an essay on some 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 Secretary, The Association of Universities of the British Commonwealth, 5 Gordon Square, London, W.C.1.

MEDICINE (General)

* 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 Principal.

ROYAL COLLEGE 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 1952.

MEDICINE (Special Subjects)

Cancer

* † ‡ 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.

Epidemic Diseases

* † ‡ ROYAL COLL. OF PHYSICIANS, Edinburgh. *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

* † ‡ LONDON UNIV.: LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE, Keppel Street, London, W.C.1. *Langley Memorial Prize*, founded by the friends of the late Dr. W. H. Langley, C.M.G., to commemorate his work as Principal Medical Officer of Southern Nigeria. Open to competition among Officers, past and present, of the West African Medical Departments. The award is made triennially for the best paper on (*a*) Tropical Medicine and Surgery, (*b*) Tropical Hygiene and Sanitation or (*c*) Tropical Entomology and Parasitology.

Further particulars from the Assistant Dean of the School.

Ophthalmology

* † MOORFIELDS, WESTMINSTER AND CENTRAL EYE HOSPITAL, City Road, London, E.C.1. *Gifford Edmonds Prize* in Ophthalmology, of £100, is awarded biennially for the best essay on a subject dealing with Ophthalmology and involving original work. Open to British subjects who hold a medical qualification. In addition to the award advertised for 1949–50 an extra prize will be made for 1950–51. The subject for this essay is: "The Relationships between Ophthalmology and Dermatology." Preference will be given to original work. Latest date for receipt of essays is Dec. 31, 1951.

Full particulars are set out in a leaflet which may be obtained from the House Governor of the Hospital.

Pathology

* † ‡ 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.

Surgery

* † ‡ THE ASSOCIATION OF SURGEONS OF GT. 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 Empire 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.

* † 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 1951 is: "Neoplasms, innocent and malignant, of the Pancreas." 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).

APPENDIX III

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

In this Appendix are included some of the more important awards tenable overseas by British graduates, but it does not claim to be exhaustive.

* † ‡ BRITISH COUNCIL, 65 Davies Street, London, W.1. *Travel Grants, see* Appendix II, p. 1159.

THE BRITISH EMPIRE CANCER CAMPAIGN. *Exchange Fellowship, see under* Medicine (Special Subjects)—Cancer.

* BRITISH FEDERATION OF UNIVERSITY WOMEN, LTD., 17A King's Road, London, S.W.3. *Rose Sidgwick Memorial Fellowship*, $2000 for 1 yr. for postgraduate study in the U.S.A. Offered biennially to a woman graduate normally resident in Great Britain and not over 35 yrs. Further particulars from the Secretary.

* † ‡ 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.

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. There are four categories of Fellowships, all open to men and women.

(i) *Ordinary Fellowships*, open to candidates between 23 and 35 years of age who have not worked or studied in any educational or research institution in the United States for one or more academic years. 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.

(ii) *Home Civil Service Fellowships*, open to candidates holding permanent appointments in the higher ranks of the Civil Service in Great Britain.

(iii) and (iv). *Dominion and Colonial Civil Service Fellowships*, open to candidates who hold appointments overseas under the Governments of Australia, New Zealand or South Africa, or the Government of British Colonies, Protectorates or trust territories.

The standard tenure is for twelve months. The emoluments cover full expenses of travel, including trans-Atlantic passage, and of residence and study during the Fellowship. For ordinary Fellows, the monthly living allowance is $200; for married Fellows $250 with additional children's allowances. Further particulars may be obtained from the Warden of Harkness House, 35 Portman Square, London, W.1.

* ENGLISH-SPEAKING UNION. *Fellowships*: (i) 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 and Ireland. For 1951–52 Fellowships at Yale and Princeton Univs. (men); Bryn Mawr, Radcliffe and Smith Colls. (women); Pittsburgh Univ. (men and women) (3). (ii) Offered jointly by English-Speaking Union in Gt. Britain and Institute of International Education in New York. Value varies, but approx. $1700. Tenable in almost any subject, and at a long list of American Univs. Candidates must be British graduates under 30 yrs., from Gt Britain and N. Ireland. Next award: 1951–52. Applications to Mrs. D. R. Dalton, B.A, English-Speaking Union, Dartmouth House, 37 Charles Street, Berkeley Square, London, W.1.

FULBRIGHT. *Travel Grants* for Professors, Teachers and Students, 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.

* GOLDSMITHS' COMPANY. *Postgraduate Dominions 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 £400 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 (though allowance may be made for yrs. of War service).

Applications should be made to the 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.

* † ‡ HARVARD UNIV. The *Frank Knox Memorial Foundation* which has recently 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 two countries, is an essential to international peace, provides for an interchange of students, preferably graduates, between the Univs. of the British Commonwealth and those of Harvard. Candidates 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.

Further particulars from the Secretary, The Association of Universities of the British Commonwealth, 5 Gordon Square, London, W.C.1.

* † 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, p. 1161.

* † ‡ THE INTERNATIONAL FEDERATION OF UNIVERSITY WOMEN. *Travelling Fellowship, see* Appendix II, p. 1161.

* † ‡ 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 exceed £250 in a year, and the normal range is from £50 to £200.

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.

Last date for applications: June 10. Further particulars from the Secretary.

* † ‡ LONDON UNIV.: LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE. *Eileen Power Travelling Studentship* in Social and Economic History, *see* Appendix II, p. 1182.

* † LONDON UNIV.: BRITISH POSTGRADUATE MEDICAL FEDERATION. *Postgraduate Travelling Scholarships, see* Appendix II, p. 1191.

* † ‡ MANCHESTER UNIV. *Simon Research Fellowships, see* Appendix II, p. 1182.

* † ‡ MEDICAL RESEARCH COUNCIL. (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. will ordinarily be at rate of $2600 p.a., and $3600 for a married Fellow. Travelling expenses and some other allowances will be paid in addition.

* † ‡ (ii) *Dorothy Temple Cross Research Fellowships in Tuberculosis*, for study or research by suitably qualified British subjects of either sex "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 a single Fellow, and £900 p.a. for a 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, with whom applications must be lodged before June 1.

* † 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 who are 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 £750, tenable for 1 yr., renewable in exceptional cases.

Further particulars from the Secretary.

* 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.

* THE NUFFIELD FOUNDATION, 12-13 Mecklenburgh Square, London, W.C.1. (i) *Medical and Dental Fellowships, see* pp. 1192-1193, and 1215.

(ii) *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 months. Application to Treasury, through Permanent Secretary of candidate's Department.

* † ROYAL COLL. OF SURGEONS. (i) *Arthur Sims Commonwealth Travelling Professorship, see* Appendix II, p. 1194.

(ii) *Sir Wm. Lister Award in Ophthalmology, see* Appendix II, p. 1198.

* † ROYAL SOCIETY. *John Murray Studentship* for the encouragement of travel and work in Oceanography and Limnology. *See under* Fisheries.

* 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 Mar. 31 (Music, Feb. 28), from whom further information and application forms can be obtained.

* UNITED DAIRIES. *Travelling or Research Scholarship, see* Appendix II, p. 1168.

APPENDIX IV

STUDENTS FROM OTHER COUNTRIES IN UNITED KINGDOM UNIVERSITIES AND UNIVERSITY COLLEGES

The total number of students from other countries enrolled for courses in United Kingdom Univs. and Univ. Colls. at the beginning of the academic year 1949–50 was 7261, which compares with 7961 in 1948–49 and 7681 in 1947–48. Of these, 3759 came from the British Commonwealth overseas (including Channel Islands 8, Gibraltar 12, Malta and Gozo 24, Ceylon 158, Cyprus 70, British E. Indies 1, India 697, Pakistan 96, Malayan Union 128, Hong Kong 31, British W. Africa 503, British E. Africa 281, N. Rhodesia 14, S. Rhodesia 6, South Africa 426, Aden 2, Bermuda 4, British Honduras 6, British Guiana 47, Falkland Islands 1, British W. Indies 299, Canada and Newfoundland 297, Australia 391, New Zealand 232, Fiji 4).

The 7261 overseas students were distributed in the Univs. and Colls as follows.

Birmingham 236, Bristol 76, Cambridge 686, Durham 256, Leeds 190, Liverpool 79, London * 3258 (Courtauld Inst. of Art 19, Inst. of Archæology 11, Inst. of Education 269, Inst. of Historical Research 46, Sch. of Slavonic and East European Studies 22, Bedford 55, Birkbeck 71, Imperial 287, King's 132, King's College of Household and Social Science 13, London Sch. of Economics 548, Queen Mary 51, Royal Holloway 6, Sch. of Oriental and African Studies 48, Univ. Coll. 532, Westfield 14, Medical Schools 825, Institutions with Recognized Teachers 309), Manchester 395, Nottingham 79, Oxford 689, Reading 33, Sheffield 80, Wales 122, Aberdeen 37, Edinburgh 319, Glasgow 344, St Andrews 119, Queen's (Belfast) 104. *Independent Colls.*—Exeter 76, Hull 38, Leicester 21, Southampton 24.

In the analysis given below, the number after the different countries is the total from that country and some indication of the distribution of the students is provided by the numbers enrolled at certain institutions.

EUROPE—Total, 1801

Armenia—1. *Austria*—85: London 41, Manchester 17. *Belgium*—50: London 30. *Bulgaria*—1. *Channel Islands*—8. *Cyprus*—70: London 21. *Czecho-Slovakia*—86: London 44. *Denmark*—36: London 11. *Eire*—115: Cambridge 25, London 37, Oxford 12. *Esthonia*—2. *Finland*—18. *France*—122: London 54, Manchester 11, Nottingham 16, Oxford 12. *Germany*—153: London 59, Manchester 35. *Gibraltar*—12. *Greece*—85: London 37. *Holland*—72: London 28, Oxford 10. *Hungary*—35: London 22. *Iceland*—18. *Italy* 59: London 32, Manchester 11. *Latvia*—3. *Lithuania*—2. *Luxembourg*—4. *Malta and*

* External students not included.

Gozo—24 : London 13. *Norway*—160 : Birmingham 18, Durham 21, Leeds 11, London 26, Manchester 10, Glasgow 29, Queen's, Belfast 12. *Poland*—446 : Birmingham 12, Bristol 11, Cambridge 13, Durham 17, Leeds 14, Liverpool 10, London 218, Manchester 18, Sheffield 10, Wales 22, Edinburgh 16, Glasgow 37, St. Andrews 19, Queen's, Belfast 11. *Portugal*—9. *Roumania*—9. *Spain*—24. *Sweden*—19 : London 12. *Switzerland*—55 : London 22. *U.S.S.R.*—4. *Yugoslavia*—14.

ASIA—Total, 1699

Afghanistan—1. *Arabia*—5. *British East Indies*—1. *Burma*—41 : London 23. *Ceylon*—158 : Cambridge 19, London 94, Oxford 11. *China*—149 : Cambridge 23, Liverpool 10, London 59, Manchester 17, Oxford 10. *Dutch East Indies*—5. *Hong Kong*—31 : London 26. *India*—697 : Birmingham 14, Cambridge 59, Durham 25, Leeds 26, London 386, Manchester 65, Oxford 35, Edinburgh 17, Glasgow 47. *Indo-China and Cochin China*—5. *Iraq*—78 : Birmingham 10, London 30. *Israel*—116 : London 65. *Lebanon*—6. *Malayan Union*—128 : Cambridge 18, London 53, Manchester 12. *Nepal*—1 *Pakistan*—96 : London 64. *Persia*—65 : Birmingham 34, London 21. *Syria*—8. *Thailand*—32 : London 20. *Transjordan*—7. *Turkey*—69 : Birmingham 10, London 34.

AFRICA—Total, 1651

Aden—2. *Basutoland*—3. *British East Africa*—281 : Cambridge 15, Durham 36, London 111, Nottingham 14, Oxford 19, Edinburgh 15. *British West Africa*—503 : Birmingham 21, Bristol 10, Cambridge 28, Durham 59, Leeds 10, London 193, Manchester 11, Oxford 15, Wales 20, Exeter 17, Hull 17, Edinburgh 16, Glasgow 35, St. Andrews 19. *Egypt* —338 : Cambridge 19, Leeds 10, Liverpool 18, London 155, Manchester 31, Oxford 12, Sheffield 10, Edinburgh 10, Glasgow 26. *Ethiopia*—11. *North Africa*—6. *N. Rhodesia*—14. *South Africa*—426 : Cambridge 63, Durham 19, London 184, Oxford 83, Edinburgh 25. *S. Rhodesia*—27. *Sudan*—40 : London 16.

AMERICA—Total, 1459

Bermuda—4. *British Guiana*—47 : London 27. *British Honduras* —6. *British West Indies*—299 : Birmingham 15, Bristol 10, Cambridge 20, Durham 12, Leeds 13, London 111, Oxford 15, Aberdeen 14, Edinburgh 19, Glasgow 17, Belfast 12. *Canada and Newfoundland*— 297 : Cambridge 43, London 142, Manchester 11, Oxford 55, Edinburgh 16. *Central America and Mexico*—7. *Falkland Islands*—1. *South America*—76 : Cambridge 11, London 37. *U.S.A.*—699 : Cambridge 86, London 263, Manchester 18, Oxford 193, Edinburgh 66, Glasgow 14, St. Andrews 18. *West Indies*—23 : London 23.

AUSTRALASIA—Total, 627

Australia—391 : Cambridge 85, London 172, Manchester 18, Oxford 83. *Fiji*—4. *New Zealand*—232 : Cambridge 42, London 128, Oxford 28, Edinburgh 10.

STATELESS—24

APPENDIX V

INTER-UNIVERSITY COUNCIL FOR HIGHER EDUCATION IN THE COLONIES

1 Gordon Square, London, W.C.1.

Telephone: Museum 8916. Telegrams: Interuniv London.

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 James Irvine, K.B.E., Sc.D., LL.D., D.C.L., F.R.S.

VICE-CHAIRMAN—Sir Alexander M. Carr-Saunders, M.A., LL.D., F.B.A.

REPRESENTATIVE MEMBERS—*Aberdeen*: T. M. Taylor, C.B.E., K.C., M.A., LL.D.; *Belfast*: Prof. F. H. Newark, B.C.L., M.A.; *Birmingham*: Sir Raymond Priestley, M.C., D.L., M.A., D.Sc., LL.D.; *Bristol*: Sir Philip Morris, C.B.E., M.A.; *Cambridge*: J. A. Venn, M.A., Litt.D., F.S.A.; *Durham*: Sir J. F. Duff, M.A., M.Ed., LL.D.; *Edinburgh*: Prof. M. Grant, O.B.E., M.A.; *Glasgow*: Prof. L. J. Davis, M.D., F.R.C.P.; *Hong Kong*: D. J. Sloss, C.B.E.; *Leeds*: C. R. Morris, M.A.; *Liverpool*: Prof. J. G. Wright, M.V.Sc., F.R.C.V.S.;

London: Sir Alexander M. Carr-Saunders, M.A., LL.D., F.B.A.; J. B. Hunter, C.B.E., M.C., M.Chir., F.R.C.S.; *Manchester*: Prof. C. W. Wardlaw, Ph.D., D.Sc.; *Nottingham*: B. L. Hallward, M.A.; *Oxford*: Douglas Veale, C.B.E., M.A., LL.D.; *Reading*: Prof. R. H. Stoughton, D.Sc.; *St. Andrews*: Sir James Irvine, K.B.E., Sc.D., LL.D., D.C.L., F R.S.; *Sheffield*: Prof. L. E. S. Eastham, M.A., M.Sc.; *Wales*: Ifor L. Evans, M.A.; *Malta*: Prof. Joseph A. Manché, M.D., B.Sc.

Co-opted Members—Prof. T. H. Davey, O.B.E., M D., D.T.M.; Prof. Lillian Penson, LL.D, Ph D.; Miss Margery Perham, C B.E., M.A.; A. E. Trueman, D.Sc., F.R.S.; Sir Ivor Jennings, Litt.D., LL.D.

Ex-Officio Member—Sir Christopher Cox, Educational Adviser to the Secretary of State for the Colonies.

Secretary—Walter Adams, O.B.E., B.A.

Assistant Secretary—P. F. Vowles, 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. This Committee advises the Secretary of State for the Colonies on the distribution of the £6 million which is available for higher education under the Colonial Development and Welfare Act. Its members are:

Sir Hector Hetherington, K.B.E., D.L., M.A., LL.D., D.Litt. (Chairman); R. Marrs, C M.G., C.I.E., LL.D., Sir Walter Moberly, G.B.E., K.C B., D.S O.; Keith Murray, B Litt., M.A., Ph.D.; Professor D. Hughes Parry, M.A., LL.D.; A. E. Trueman, D.Sc., F.R.S.; Sir Mark Young, G.C.M.G.; Sir Raymond Priestley, M.C., D.L., M.A., D.Sc., LL.D.; Sir Alexander M. Carr-Saunders, M.A., LL.D., F.B.A.; Sir Christopher Cox; H. T. Bourdillon. Secretary: Walter Adams, O.B.E., B.A. Asst. Secretary: P. F. Vowles, M.A.

In addition to co-operation with the existing Univs. of Malta, Hong Kong and Malaya, the Council is concerned with assisting the development of Univ. Coll., Ibadan, Nigeria; the Univ. Coll. of the Gold Coast; the Univ. Coll. of the West Indies; Gordon Memorial Coll., Khartoum; Makerere College, The University College of East Africa. These Colls. have been admitted to a special relationship with the Univ. of London, and are providing courses leading to external degrees of the Univ.

APPENDIX VI

UNIVERSITIES OF EIRE

The following are associated for historical reasons with the Universities of the Commonwealth:

UNIVERSITY OF DUBLIN, TRINITY COLLEGE
NATIONAL UNIVERSITY OF IRELAND
UNIVERSITY COLLEGE, DUBLIN
UNIVERSITY COLLEGE, CORK
UNIVERSITY COLLEGE, GALWAY

UNIVERSITY OF DUBLIN, TRINITY COLLEGE

Founded 1592

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. T. C. KINGSMILL MOORE, LL.D.

PROVOST—E H. ALTON, M.A., Litt.D.

LIBRARIAN—H. W. PARKE, Litt.D.

REGISTRAR—K. C. BAILEY, Sc.D., Litt.D.

LADY REGISTRAR—CHRISTABEL F. GODFREY, M.A.

REPRESENTATIVES IN SEANAD EIREANN—W. R. FEARON, M.B., Sc.D.; J. W. BIGGER, Sc.D., M.D.; W. B. STANFORD, Litt.D.

Telephone: Assistant Registrar—Dublin 74821.

SENIOR FELLOWS OF THE COLLEGE—

Gwynn, Rev. R. M., M.A., B.D., *Sr. Dean and Catechist.*
Thrift, H., M.A., *Bursar.*
Tate, Sir Robert W., K.B.E., Litt.D., *Sr. Proctor and Public Orator.*

Luce, Rev. A. A., Litt.D., D.D., *Vice-Provost.*
Johnston, J., M A., *Auditor.*
Godfrey, F. La T., M.A., *Sr. Lectr.*
Fearon, W. R., M.A., Sc D., M.B.

JUNIOR FELLOWS OF THE COLLEGE—

Bailey, K. C., D de l'U. Toulouse, M.A., Sc.D., Litt.D., *Registrar.*
Parke, H. W., M.A., Litt.D., *Librarian.*
M'Connell, A. J., D. d'U. Rome, M.A., Sc.D.
*Duncan, G. A., M.A., LL.B.
*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., Ph D. Yale.
*Moody, T. W., B A. Belf., Ph.D Lond , M.A.
O'Meara, R. A. Q., Sc.D., M.D.
*Coutts, J. A., LL.B., M.A. Camb., M A
Mitchell, G. F., M.A., M.Sc., *Jr. Dean.*
*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.

HONORARY FELLOWS—

Benians, E. A., Litt.D.
Ross, Sir W. David, Litt.D.
Weaver, J. R. H., Litt.D.
Dixon, H. H., Sc.D., F.R.S.
Werner, E. A., Sc.D.

TEACHING STAFF

Anatomy, Human, and Embryol., v. also Zool.
Erskine, C. A., Ph.D. Prof.
Kinnear, N. A., M.B. (App. Anat.) Lectr.
Weekes, Blanche, M.B. Chief Demr.
Kyle, D. W., M.B. Demr.
Stevens, Patricia F., B.Sc. Demr.

Anglo-Saxon
Liddell, M. F., M.A., Ph.D. Lectr.

Art, History of
Bodkin, T., D.Litt. N.U.I., Litt.D. Hon. Prof.

Astronomy
O'Connor, F. J., B.A. Lectr.

Biochemistry and Biophysics, v. Medicine, *infra*

Botany and Plant Biol.
Webb, D. A., M.A., Ph.D. Prof.
Jeffares, Adèle A., B.A. Asst.
Dawson, G. W. P., B.A. Camb. Asst.

Celtic Languages, v. also Irish
Knott, Eleanor, D.Litt. N.U.I., M.A. Lectr.
Quin, E. G., M.A. Lectr.

Chemistry
Cocker, Wesley, Sc.D., Ph.D. Manc., F.R.I.C. Prof.
Bailey, K. C., M.A., Sc.D., Litt.D., F.R.I.C. Lectr.
Pepper, D. C., B.Sc. Lond., Ph.D. Camb., M.A. Lectr.
Stuart, E. R., B.Sc. St. And. Lectr.
Lipman, C., Ph.D. Durh. Lectr.
Cross, B. E., Ph.D. Lond. Lectr.

* Tutor Fellows.

Schwarz, J. C. P., B.A. Asst.

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.

Tate, Sir R. W., K.B.E., M.A. Camb and Dub. (Classical Composition) Honor Lectr.

Henry, R. M., Litt.D., LL.D. (Classical Literature) Hon. Prof.

Commerce

Lecturers

Johnston, J., M.A. (Econ).

Duncan, G. A., M.A. (Econ.).

Byrne, J. J., LL.B. N.U.I., M.Sc. Camb. (Econ.).

Otway-Ruthven, Annette J., Ph.D. (Econ. Hist.).

Haughton, J. P., M A., M Sc. (Comm. Geog.)

Butler, W. B., M.A. (Accounting).

Thornton, E. H., 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).

Ingram, J., M.A. (Transport).

Smurthwaite, J. S. (Industrial Psychology).

Dentistry, v. *infra*

Divinity, v. Theol., *infra*

Economics, v. Polit. Econ. and Commerce

Education

Fynne, R. J., M.A. Dub. and Lond. Prof.

Crawford, Rev. E. A., B.D., Ph.D. Lectr.

Little, Anita C., M.A. Asst.

Pearson, Eileen F., B.A. Asst.

Marsh, A., B.A. Belf. 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., B.Sc. N.U.I. Lectr.

Kirwan, R. W., B.A.I. Asst.

Engineering, Electr.

Allen, R. G., D.Sc. N.U.I., M.A. (Practice of E. Eng.) Lectr.

O'Brien, Col. Eoghan, 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. Lectr.

French, R. B. D., M A. Lectr.

French

Arnould, E. J. F., Ph.D., D.Lit. Lond., D. ès L. Paris Prof.

Skeffington, O. L. S., M.A., Ph.D. Reader.

MacCarthy, Ethna M., M.A., M.B. Asst.

Leventhal, A. J., M.A., Ph.D. Asst.

Orgel, Vera, Ph.D. Lectr.

North, Meta E., M.A. Asst.

Geography

Lane, E. V., M.A. Liv. Lectr.

Haughton, J. P., M.A., M.Sc. Lectr.

Geology and Mineralogy

Smyth, L. B., M.A., Sc.D. Prof.

Mitchell, G. F., M.A., M.Sc. Lectr.

Nevill, W. E., B.A. Asst.

Geophysics

Poole, J. H. J., M.A.I., Sc.D. Prof.

German

Liddell, M. F., M.A. Dub. and Edin., Ph.D. Birm. Prof

Leventhal, A. J., M.A., Ph.D. Asst.

Scheyer, E., M.A. Breslau, Dr. Juris. Berlin 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.

Maxwell, Constantia E., M.A., Litt.D. Lecky Prof.

Otway-Ruthven, Annette J., Ph.D. Lectr.

McDowell, R. B., Ph.D. Lectr.

O'Sullivan, D. (Internat. affairs) Lectr.

Large, D., B.A. Oxon. Asst.

McCracken, J. L., Ph D. Belf. Res. Lectr.

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.

Ní Ghuairim, Sorcha, M.A. Lectr.

McHugh, May H., B.A. Lectr.

Irish Archæology

Mitchell, G. F., M.A., M.Sc. Lectr.

Italian

Tate, Sir R. W., K.B.E., M.A. Honor 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.

M'Connell, A J, Dott. d'U. Rome, M.Sc., Sc.D. Prof.

Meredith, C. A., M.A. Camb. Lectr.

Spain, B., Ph.D. Edin., M.Sc. Lectr.

Graham, V. W., M.A. Lectr.

Gardner, G. H. F., B.A. Lectr.

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. Erasmus Smith's Prof.

Oriental Langs., v. *infra*

Philosophy

Furlong, E. J. J., M.A. Prof.

Hartford, Rev. R. R., M.A., B.D. (Ment. and Moral Sci.) Lectr.

Godfrey, F. la T., M.A. (Hist. of P.) Lectr.

Phonetics

Quin, E. G., M A. Lectr.

Physics

Walton, E. T. S., Ph D. Camb., M.A., M.Sc. Erasmus Smith's Prof.

Poole, J. H. J., M.A., B.A.I., Sc.D. Lectr.

Gregg, A. H, M.Sc. Belf., Ph.D. Lond. Lectr.

Delaney, C. F. G., B.Sc. Lectr.

Elliott, R. B., B.Sc. Lectr.

Power Steele, Emily J. Asst.

Physiology

Torrens, D. S., M.A., M.B. Prof. and King's Prof. of Insts. of Med.

Hamilton, D. McK., M.B. Lectr.
Pritchard, R. M., M.B. Asst.

Political Economy, v. also Comm.

Duncan, G. A., M.A., LL.B. Prof.
Johnston, J., M A. (Applied Economics) Prof.
Armstrong, Olive G., M.A. (Pol. Sci.) Lectr.
Chubb, F. B., M.A. Oxon. (Pol. Sci.) Lectr.
Byrne, J. J , M.A , LL.B. N.U.I., M.Sc. Camb. Asst.

Russian

McMackin, Margaret M., M.A. Belf. Lectr.

Spanish

Sloman, A. E., D.Phil. Oxon. Reader.
Riley, E. C., B A. Oxon. Asst.

Theology, v. *infra*

Zoology and Compar. Anat.

Gatenby, J. B., B.Sc., D.Phil. Oxon., D.Sc. Lond., M.A., Ph.D. Prof.
Smyth, J. D., B.Sc., Ph.D. Lectr.

Law

Moran, Frances E., M.A., LL.D. Reg. Prof. of Laws.
Coutts, J. A., M.A., LL.B. Camb. Prof. of Laws.

Penal Legislation, Const. and Crim. L., and L. of Evid.

Lardner, G. J. W., LL.B. 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., L.M., 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.B. Asst.

Anæsthetics

McCormick, V. O., M.B. Lectr.

Bacteriology and Preventive Med.

Bigger, J. W., Sc.D., M.D., D.P.H., F.R C P.I. Prof.
Stewart, F. S., M.D. Lectr.
McKeever, J. D., M.D. Lectr.
Davidson, Mary G , B.A. Asst.

Biochemistry

Fearon, W. R., M.A., M.B., Sc.D. Prof.
Bell, E. A., B.Sc. Durh. Asst.

History of Med.

Kirkpatrick, T. P. C., D.Litt. N.U.I., Litt.D., M.D., F.R.C.P.I. Hon. Prof.

Hygiene

Bigger, J. W., Sc.D., M.D., D.P.H., F.R.C.P.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

Browne, O'D. T. D., M.A.O., M.B., F.R.C.P.I. King's Prof.
Falkiner, N. McI., Sc.D., M.D., F.R.C.P.I. (Gynæcol.) Lectr.
Fleming, J. B., M.A.O., M.D. Asst.

Pathology

O'Meara, R. A. Q., Sc.D., M.D., F.R.C.P.I. Prof.
Gaffney, J. C., M.Sc., M.D., F.R.C.P.I. Lectr.
Mullaney, P. J., M.A., M.D. Asst.

McNally, P. A., M.Sc., M.D., F.R.C.P.I. (App. Path) Lectr.
Pringle, S., M.B., M Ch., F.R.C.S.I. (Path. of Bone) Hon. Lectr.

Physiology, Applied
Wilson, R., M.A., M.D. 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. Lond., F.R.C.P.I. (Pædiatrics).
Steen, R. E., M.D., F.R.C.P.I. (Pædiatrics)
McSweeney, C J., M.D. N.U.I., F.R.C P.I. (Infectious Diseases).

Radiology
McDonogh, C. L., M.A., M.D. Lectr.

Surgery
McConnell, A. A., M.A., M.Ch. Regius Prof.
Pearson, W., M.D., M.Ch. Prof.
Henry, R. F. J., M.B., F.R.C.S.I. Asst.

Surgery, Orthopædic
Haughton, W. S., M.D., M.Ch. Hon. Prof.

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. (Dental Anat.) Lectr.
Healy, K. G., L.D.S. (Dental Surg.) Lectr.
Hogan, N. J., M.B., B.Dent.Sc. (Oral Surg.) 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 [Prof.
Gwynn, Rev. R. M., M.A., B.D.

Divinity
Oulton, Rev. J. E. L., M.A., D.D. Regius Prof.
Hartford, Rev. R. R., M.A., B.D. Archbishop King's Prof.
Nowlan, Rev. G S., M A. 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.
Simms, Rev. G. O., M.A., B.D.
De Pauley, Rev. W. C., M A , D.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
1950—Prof. H. Butterfield.

John Mallet Purser Lecturer
1950—Prof. E. C. Dodds.

John Joly Lecturer
1949—Sir G. P. Thomson, F.R.S.

Mary Louisa Prentice Montgomery Lecturer
1950—Prof. A. Franceschetti.

Frederick Price Lecturer
1950—Prof. L. J. Witts.

ASSOCIATED COLLEGES

MAGEE COLLEGE, LONDONDERRY, for first 3 yrs. of B.A. course.

CHURCH OF IRELAND TRAINING COLLEGE, KILDARE PLACE, DUBLIN. The 2 yrs.' course of training for teaching in elementary schools is conducted partly at Trinity College, Dublin, and counts towards the Dublin B.A. subject to the candidate qualifying in Latin and a modern foreign language before proceeding as " Sophister " (3rd yr.)

VETERINARY COLLEGE OF IRELAND. 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 Univ 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 the athletic clubs.

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 514,000 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 and distributed to the world. There are smaller libraries in the Schools of Mod. Langs., Hist., Econ., Med., Maths., Nat. Scis., Geog., Philol. and Educn.

MUSEUMS. The scientific museums include Zool. and Comp. Anat., Geol. and Mineral., Anat., Path. 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., Biochem., Bot., Chem., Geol., Geog., Histology, Engin., Pathol., Physical (Iveagh), Physiol., 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, Physic, Engin., Social Sci., Agric., Forestry, Music, Educn., Comm., Vet. Registrars: *Law*—G. A. Duncan, M.A.; *Physic*—Winifred Kinnear, M.A.; *Engin.*—J. Purser, M.A.; *Music*—G. H. P. Hewson, Mus.D.; *Educn.*—R. J. Fynne, M.A.; *Agric.*—J. Purser, M.A.; *Comm.*—J. A. Coutts, M.A.; *Social Scs.*—J. A. Coutts, M.A.

DEGREES Every student must take the B.A. before proceeding to any other degree, except those in music and M.Sc., B.Litt., Ph.D. The course lasts 4 yrs., but it is only necessary to keep 2 out of the 3 terms in each, or 8 in all. It is also possible to complete the course within 3 yrs. from entrance by taking the final examn. of the 1st yr. at the time of entering and keeping all 3 terms of the 2nd yr. However, 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 permitted to keep all of their 8 terms by examn. instead of by attendance. Exemption from attendance is never granted to students taking scientific subjects for the B.A.(Sc.).

During the first 2 yrs. (Junr. and Senr. Freshman) of the Pass B.A. course English, Latin, Logic and Mathematics are compulsory subjects, with a choice of other subjects. After the examn. ("Little-Go") at the end of the 2nd yr. wide freedom of choice is allowed of subjects for the remaining (Jun. and Sen. Sophister) years, and exemptions are granted to Law, Engin., Comm. and Div. students. For Med. students there is a specially reduced Arts course throughout.

Every student must choose one of the Tutor Fellows (*see* list above) as his Tutor and should apply to him for all information before and after entrance.

The *Honours* B.A.—known as *Moderatorship*—can be taken in 12 different groups (viz. 1 Math., 2 Class., 3 Ment. and Mor. Sci., 4 Exp. Sci, 5 Nat Sci., 6 Hist. and Pol. Sci., 7 Mod. Lit., 8 Leg. Sci., 9 Eng. Sci., 10 Celtic, 11 Oriental Lang., 12 Econ. and Pol. Sci.), and undergraduate honours in the same subjects (except Nos. 9 and 11) can be obtained in each academic year and in most subjects in each term. The course lasts 4 yrs. in the case of Nos. 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12—3 yrs. in No. 9. Instruction in these Honour courses is given partly by the Profs. and partly by the Tutorial staff.

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 years 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. The M.Sc. and Ph.D. (v. pp. 15-16) involve post-

graduate 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., Gynæc. and Obst., Educn. (Primary and Higher), Social Studies, Public Admin., Geography, Biblical Studies, Mech. Engin., Religious Knowledge (women), Hist. of European Painting (by examn. only).

License in Engineering (first 2 yrs. of Arts course and complete course in Engineering). License in Med., Surg. and Obst. Science.

Testimonium in Divinity (3 yrs.' course).

FEES. Entrance, £15; Composition for all Arts and Science Lectures, 36 gs. p.a. with laboratory fees in Science (to students admitted to advanced standing the entrance fee is remitted and in most cases some of the half-yearly Arts fees); Med. course total (including Hospitals and Degree fees), about £165; Dental Sci. total, about £218; Engin. (3 yrs.), £52 (minimum), in addition to Arts Tuition fees in each case; Divinity free for students in Arts, 20 gs. p.a. for others; Commerce, £47 (if Arts Course is taken), £80 (for extern. students).

Among SCHOLARSHIPS, PRIZES, ETC., OPEN TO GRADUATES are: Two studentships and a number of other research exhibitions and prizes of £100 each offered at the B.A. degree examn. Madden Prize Fund £424 p.a. awarded to unsuccessful candidates at Fellowships examn. or for research work or as a *Travelling* Scholarship. *Travelling* Prize, £100 in Medicine or Surgery (3 mos. to be spent abroad). Harmsworth Exhibition, £100, for research work. A number of other prizes, etc. (including the Blake National Hist., about £160), are open to graduates under M.A. standing.

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 the Principals of their Universities, may work for an academic year in Trinity College. There are special fees which vary with the Courses followed.

RESIDENCE. The College has accommodation for about 300 students. Rent £12 to £24 p.a. for single sets and proportionately for double sets of rooms; dinner in Hall, £1 : 1s. a week. Trinity Hall (Warden: C. B. Crawford, M.A.) accommodates 60 women; board and residence, about £30 per term of 10 weeks. There is also a hostel for Divinity students of the Church of Ireland.

APPOINTMENTS ASSOCIATION (estab. in 1906). Secy., A. J. Leventhal, M.A., Ph.D.

PUBLICATIONS. *Calendar* (Oct.), 5s., includes information as to courses,

etc.; annual Suppt., 2s., results of examns., degrees conferred, etc.; special Suppt. (occasional), lists of past honours, benefactors, etc. *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 3s. *T.C.D.* (Students'), 4d. weekly.

THE YEAR 1948–49

RETIREMENTS. Dr. T. P. C. Kirkpatrick (Anæsthetics); J. E. Hogan (Dental Surg.); Dr. H. H. Dixon (Bot.); J. Fraser (Auditor and Sr. Fellow); J. R. Cotter (Maths.).

RESIGNATIONS. T. W. Freeman (Geog.); Dr. B. P. Beirne (Entomol.); Dr. W. Hayes (Bacteriol.); Dr. E. Kawerau (Biochem.); Miss E. J. Power Steele (Trinity Hall); Miss M. K. McCarthy (Pathol.).

DEATH. Rt. Hon. Sir T. Molony (Vice-Chancellor).

HONORARY DEGREES. *Litt.D.*—T. F. O'Rahilly, Lennox Robinson, Elizabeth C. Bowen, C. M. Bowra. *Sc.D.*—Carl Terzaghi. *LL.D.*—W. F. Casey. *M.A.I.*—Harry Ferguson.

DEGREES (*Jure dignitatis*). *LL.D.*—Sir J. H. Magowan; Mr. Justice Mark Wilson.

STUDENTS. Total: 2380 (almost all full-time). The total includes 717 women and 90 postgraduates. (Medicine, 553; Eng., 116; Agric. and Forestry, 14; Divinity, 74; Commerce, 92; Law, 108; Education, 23; Social Science, 264.)

DEGREES. B.D., 9; D.D., 1; B.A., 328; M.A., 84; LL.B., 18; LL.D., 3; B.Sc., 13; M.Sc., 4; Sc.D., 4; M.B., B.Ch., B.A.O., 56; M.D., 9; M.A.O., 3; B.Dent.Sc., 1; B.A.I., 35; B.A.I. Elec. et Mech., 2; B.Agr.For., 1; M.A.I., 4; B.Comm., 23; Mus.B., 2; Mus.D., 1; B.Litt., 2; Litt.D., 5; Ph.D., 5.

THE NATIONAL UNIVERSITY OF IRELAND

Founded 1909

CHANCELLOR—EAMON DE VALERA, T.D., B.A., B.Sc., Ph.D., LL.D.

VICE-CHANCELLOR—(for biennium ending Dec. 31, 1951), MICHAEL TIERNEY, M.A., D.Litt., President, University College, Dublin.

PRO-VICE-CHANCELLORS—THE PRESIDENTS, UNIV. COLLS. OF CORK AND GALWAY, AND ST. PATRICK'S COLL., MAYNOOTH.

REGISTRAR—ALEX A. MCCARTHY, B.A., LL.D., 49 Merrion Square, Dublin.

REPRESENTATIVES IN SEANAD EIREANN—Mrs. HELENA CONCANNON, M.A., D.Litt.; Prof. H. L. BARNIVILLE, B.A., M.D., M.Ch.; Prof. GEORGE O'BRIEN, D.Litt.

Telephone: Registrar—Dublin 62470.
Telegrams: "Natuniv Dublin."

CONSTITUENT COLLEGES

UNIVERSITY COLLEGES OF DUBLIN, CORK AND GALWAY.

RECOGNIZED COLLEGE

ST. PATRICK'S COLLEGE, MAYNOOTH. President—Right 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.

Recognized Teachers in approved degree courses. *Classics*—Rev. D. Meehan, M.A.; Rev. J. Duff, M.A.; Rev. J. Hackett, M.A., D.D. *Education*—Rev. M. A. Brenan, M.A., Ph.D., H.Dip. in Ed. *English*—Rev. C. Kevin, M.A.; Rev. J. J. McMackin, M.A. *French*—Cormac A. Burke, B.A. *Irish*—Rev. Denis P. O'Flynn, M.A.; S. Ó. Searcaigh, M.A., D.Ph. *Maths. and Math. Physics*—Rev. J. McConnell, M.A., D.Sc. *Music*—Rev. M. Tracy, B.A., L.Mus. Rome. *Philos., Mental and Moral*—Rev. Cornelius Lucey, M.A., D.Ph.; Rev. P. K. J. Bastable, M A., Ph.D.; Rev. T. Crowley, M.A., Ph.D. *Physics, Expl.*—Rev. P. J. I. McLaughlin, M.Sc., D. ès Sc. *Welsh*—S. Ó. Searcaigh, M.A., D.Ph.

OTHER TEACHING STAFF

Profs. of Catholic Theology—Rev. Dr. Gerald Mitchell, Rev. Dr. John McCarthy, Rev. Dr. John O'Flynn.
Staffs of the Univ. Colleges, v. *infra*.

GENERAL INFORMATION

The National University of Ireland, with its Constituent Colleges, the University Colleges of Dublin, Cork and Galway, was founded 1909. For early history, *see Yearbook*, 1929.

FACULTIES. (1) Arts, (2) Philosophy and Sociology, (3) Celtic Studies, (4) Science, (5) Law, (6) Medicine, (7) Engineering and Architecture, (8) Commerce, (9) General Agriculture (Univ. Coll., Dublin, only), (10) Dairy Science (Univ. Coll., Cork, only), (11) Veterinary Medicine (Univ. Coll., Dublin, only). Music is included in Arts and Celtic Studies. Classes are held in all Faculties, except (9), (10) and (11), at each of the constituent Colleges, and in 1, 2, 3 and 4 at Maynooth.

DEGREES: B.A., M.A., D.Litt., B.Mus., D.Mus., D.Litt.Celt.; B.Sc., B.Agr.Sc., M.Sc., M.Agr.Sc., D.Sc.; 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 a First degree in any faculty—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 graduates or other students for research under prescribed conditions in the Univ. or in a Constituent Coll. during at least 3 terms for a Master's degree or 6 terms for the Doctorate. The duration prescribed for the course of study and research for the Ph.D. is 9 terms (reducible to 6). *See* p. 16.

Diplomas are offered in the subjects of Faculties 1, 3, 8, and in several others; certificates in Commercial subjects and in Organ Music. A Higher Diploma in Educn. may be obtained by a graduate of any Univ. of the U.K. or other approved Univ. after a course in one of the Constituent or Recognized Colls. A Diploma in Library Training is available in Univ. Colls., Dublin and Galway. A Diploma in Social Science is obtainable in Univ. Coll., Dublin.

FEES: Matricn., £6. Combined examn. and degree, £9 to £21. Diplomas, £2 to £5. For tuition fees, v. separate Colleges.

STUDENTSHIPS, ETC., FOR GRADUATES. Six of £300 each, tenable for 2 yrs. outside Ireland (to which a prize for a further year of Irish Historical Research may be added), open to graduates of the Univ. of not more than 4 yrs.' (one in Anatomy, 3 yrs., one in Philosophy, 5 yrs.) standing; a scholarship of £150 in Psychological Medicine; bursaries in Medicine (1951), Surgery (1952), Midwifery (1953), Commerce, Civil Engineering, Mech. and Elect. Engineering, £150, each tenable for 1 yr.; prize of £100 for Irish Historical Research.

APPOINTMENTS BUREAUX: University College, Dublin; University College, Cork; and University College, Galway.

PUBLICATION. *Calendar* (December), 7s. 6d., post free, 8s. 5d.

THE YEAR 1948–49

HONORARY DEGREES. *LL.D.*—Séamus Fitzgerald; Sir Stanley Harrington; T. O'Mahony. *D.Litt.*—H.G. the Most Rev. J. C. McQuaid, Archbishop of Dublin; Michael Tierney; Constantine P. Curran; T. C. Murray. *D.Sc.*—H.G. the Most Rev. A. Vachon, Archbishop of Ottawa. *M.Comm.*—A. L. Downes; P. T. Monahan; A. Weldon.

TRAVELLING STUDENTSHIPS. Four in the year 1948–49.

DEGREES. B.A., 406; M.A., 47; B.Arch., 14; B.Comm., 57; M.Comm., 1; M.Econ.Sc., 3; B.Mus., 10; LL.B., 7; B.Sc., 141; M.Sc., 15; D.Sc., 3; B.E., 103; M.E., 2; B.Sc. (Dairying), 9; B.Agr.Sc., 28; M.B., B.Ch., B.A.O., 239; M.D., 18; M.Ch., 7; M.A.O., 4; B.D.S., 21; Ph.D., 7.

DIPLOMAS. Dip. in Educn., 4; H.Dip. in Educn., 185; Dip. in Irish Studies, 1; Dip. in Library Training, 4; Dip. in Social Sci., 13; Dip. in Dairy Sci., 11; D.P.H., 12; Dip. in Psychol. Med., 6; Dip. in Child Health, 9; Dip. in Chem. Technol., 3; Dip. in Public Admin., 33; Dip. in Commerce, 11; Cert. in Pub. Health, 33.

UNIVERSITY COLLEGE, DUBLIN

Founded 1909

PRESIDENT—MICHAEL TIERNEY, M.A., D.Litt.
REGISTRAR—Prof. J. J. NOLAN, M.A., D.Sc.
SECRETARY AND BURSAR—A. J. O'CONNELL, M.Comm.
LIBRARIAN—J. J. O'NEILL, M.A.

Telephone: 52116.

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 Ríordáin, S. P., M.A., Ph.D., D.Litt., F.S.A. Prof.

Architecture
Downes, J. V, B Arch., F.R.I.A.I., F.R.I.B.A. Prof.
McDermott, M., B.Arch. Lectr.

Banking and Finance
Colbert, J., B.Comm. Lectr.

Botany
Doyle, Joseph, 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.
Keane, J., M.Sc., Ph.D. Lectr.
Riley, Frederick T., B.A., M.Sc. Lectr.

Chemistry, Phys. & Metallurgical
*Leonard, A. G. G., B.Sc., Ph.D., F.R.C.S.I. Lectr.

Classics
Tierney, James J., M.A. Prof.
O'Meara, John J., M.A., D.Phil. Oxon. Prof.

Commerce
Shields, B. F., M.A., D.Econ.Sc. Prof.

Dentistry, v. *infra*

Economics, v. Pol. Econ.

Education
Ó Catháin, Rev. S., M.A., Ph.D. Lectr.
5 Assts.

Engineering, Civil
Purcell, P. F., M.A., M.A.I. Dub. Prof.
Lewis, F. E., B.A., B.E. Lectr.

Engineering, Elect., v. Physics

Engineering, Mechanical
Hogan, M. A., D.Sc. Lond., B.E., B.Sc. Prof.
..... Lectr.
Leahy, P., M.E., Ph.D. Lectr.

English Lang. and Philology
MacSweeney, J. J., M.A. Lectr.

*** Profs. and Lectrs. of the former Royal College of Science who have accepted equivalent offices in Univ. College, Dublin, and have been appointed Profs. and Lectrs. of the N.U.I. in this College.**

English Literature
Hogan, J. J., B.Litt. Oxon., M.A. Prof.
McHugh, R. J., M A. Lectr
Donovan, P. F., M A. Lectr.

French and Romance Philol.
Roche, L P., M.A., D. ès L. Poitiers Prof.

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., Vicar General Prof.

History, Early, including Mediæval Irish
Ryan, Rev. J., M.A. Prof.

History, Mediæval
Gwynn, Rev. Aubrey, M.A., B.Litt. Oxon. Prof.

History, Modern
Williams, T. D., M.A. Prof.

History, Modern Irish
Edwards, R. W. D., M.A., D.Litt. Prof.

Irish, Early and Mediæval
Shaw, Rev. F., M.A. Prof.

Irish Lang. and Lit., Modern
Ó Cadhlaigh, Cormac, M.A. Prof.
Delargy, J. H., M.A. (Irish Folk-lore) Prof.
Murphy, H. A. G., M.A. (Hist. of Celtic Lit.) Prof.
Hayes, M., M.A. Lectr.

Italian and Spanish Langs. and Lit.
McBride, P. P., Ph.D. Madrid, M.A. Prof.
Bannan, E. F., Ph.D. Madrid, B.A. (Spanish) Lectr.

Law, v. *infra*

Mathematics
Keating, G., M.Sc. Prof.
Gormley, P. G., M.A., Ph.D. Prof.
Timoney, J. R., M.A. Lectr.
Power, Sheila L., M.A., Ph.D. Lectr.
Franklin, D., M.Sc. (Statistical Maths.) Lectr.

Medicine and Surgery, v. *infra*

Music
Larchet, J. F., Mus D. Prof.

Music, Irish
..... Prof.

Philosophy
O'Keeffe, Rev. D., M.A. (Ethics and Politics) Prof.
O'Doherty, Rev. E. F., M.A., B.D., Ph.D. (Logic and Psychol.) Prof.
Horgan, Rev. J., M.A., D D. (Metaphysics) Prof.

Physics and Electrical Engineering
*Hackett, F. E. W., M.A., M.Sc., Ph.D. Prof.
Morrissey, J. J., M.E. Lectr.

Physics, Experimental
Nolan, J. J., M.A , D.Sc. Prof.
Dowling, J. J., M.A., F.Inst.P. (Tech. P.) Prof.
Nolan, P. J., D.Sc., Ph.D. Lectr.
Nevin, T. E., D.Sc. Lectr.

Physics, Mathematical
Keating, G., M.Sc. Prof.

* **Profs. and Lectrs. of the former Royal College of Science who have accepted equivalent offices in Univ. College, Dublin, and have been appointed Profs. and Lectrs. of the N.U.I. in this College.**

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.

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, M.Sc., Ph.D. Lectr.

Agriculture

Agriculture
Drew, J. P., M.Sc. Prof.

Agricultural Botany and Bacteriology
*Gorman, M. J. Prof.

Agricultural Chemistry
O'Sullivan, G. F., M.Sc. Lectr.

Agricultural Zoology
Carroll, J., B.Agr Sc. Lectr.

Animal Nutrition
Sheehy, E. J., D.Sc., F.R.C.S.I. Prof.

Forestry
Clear, T., B.Agr.Sc. Lectr.

Horticulture
Sherrard, G. O. Prof.

Plant Breeding
Caffrey, M. Prof.

Plant Pathology
McKay, J., F.R.C.S.I. Prof.

Soil Physics
Gallagher, P. H., D.Sc. Lectr.

Law

Constitutional Law, Internat. and Criminal Law and Procedure
McGilligan, Patrick, M.A., B.L. Prof.

Law of Property and of Common Law, Equity
Ryan, M. J., B.E., B.Sc., LL.B., K.C. Prof.

Roman Law, Jurisprudence and Legal History
Henchy, James A., M.A., LL.B., Ph.D., B.Ch. Prof.

Medicine

Med. Jurispr.
McGrath, J., M.Sc., M.D., B.Ch., B.A.O. Prof.

Medicine
Moore, H. F., M.D., D.Sc. Prof.
Meenan, J. N., M.B., B.Ch., B.A.O., D.P.H. (Systemic Medicine) Prof.

Mental Diseases
Dunne, J., M.B., D.P.M. Lectr.

Midwifery and Gynæc.
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. Prof.

Oto-Rhino-Laryngology
Doherty, E., M.B., M.Ch. Lectr.

Pathology and Bacteriology
O'Farrell, T. T., M.D., F.R.C.S.I., D.P.H. Prof.
McGrath, J., M.Sc., M.D., B.Ch., B.A.O. Lectr.

* Profs. and Lectrs. of the former Royal College of Science who have accepted equivalent offices in Univ. College, Dublin, and have been appointed Profs. and Lectrs. of the N.U.I. in this College.

Pharmacol. and Biochemistry

Conway, E. J., D.Sc., M.B., B.Ch., B.A.O. Prof

Brady, T. G., M.Sc., Ph.D. (Biochem.) Lectr.

Public Health and Bacteriology

O'Kelly, W. D., D.Sc. (Pub. Health), M D., D P H. Prof.

Radiology

Geraghty, J. A., M.D. Lectr.

Surgery

Barnıville, H. L , B.A., M D , M.Ch. Prof.

Meade, H. S., M Ch , F.R.C.S.I. (Systemic Surg.) Prof.

Therapeutics

O'Donovan, D. K., M.D., M.Sc., Ph.D. Lectr.

Dentistry

McGrath, K., M.B., B.D.S. (D. Surg.) Prof.

Flanagan, L., B.D.S., M.B., B.Ch., B.A.O. (Orthod.) Lectr.

Veterinary Science

Veterinary Anatomy

Browne, T. G., M.Sc., M.Vet.Sc. Prof.

Veterinary Medicine and Meat Inspection

O'Dea, A. F., M.Vet.Sc , D.V.S.M. Prof.

Veterinary Pathology and Bacteriology

Kearney, W., M.Vet.Sc. 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 Assistants and Demonstrators in all Depts.

GENERAL INFORMATION

The College had its origin in the Catholic University of Ireland, founded in 1852. 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 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.

FACULTIES AND DEGREES. The Coll. is empowered to provide teaching for Degrees and Diplomas of the N.U. of I. and facilities for the prosecution of original research in science, literature, or other subjects, and especially in the application of science.

Courses are provided in the faculties of Arts, Philos., Celtic Studies, Science, Law, Medicine and Dentistry, Engin. and Arch., Commerce, General Agric. and Vet. Medicine. In addition there are courses leading to Dipls. in Library Training, Soc. Science, and Pub. Admin. and in the Fac. of Medicine courses leading to a Certif. and a Dipl. in Public Health and Dipls. in Child Health and Mental Diseases.

FEES for tuition, including College fees, annual, for primary degree courses: Arts or Comm.—£30; Science, Engin., Archit., Agric.—£42; Law (in addition

to Arts)—£22 : 10s.; Med. (including Hospl.), whole period—£350 approx.; Veterinary, whole period—£197 : 10s.

RESIDENCE. Hostels for men and for women. Students are subject to supervision by Deans of Residence.

PUBLICATION. *Calendar*, Nov., 5s.

THE YEAR 1948–49

BENEFACTIONS. £150 from an anonymous donor through Rev. Prof. A. Gwynn, S.J., for the purchase of books from the library of Very Rev. Patrick Canon Power of Waterford. This is a unique collection of works on Irish ecclesiastical history published on the continent during the 17th and 18th centuries. From another donor, £200 to provide a prize to be awarded each yr. to the student who obtains first place at the annual examn. in Ethics for Medical Students. A valuable donation for the College Library, received from the Rockefeller Foundation, included the *Encyclopedia Americana*, 30 vols., 1949, Hastings' *Dictionary of the Bible*, Poole's *Index to Periodical Literature* 1802–1906. Other valuable collections for the Library were received from Dr. F. S. Bourke, Prof. J. V. Downes, The High Commissioner for Canada, and the French, Italian and Spanish Ministers.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Dr. W. Cocker, Prof. of Chemistry (Trinity Coll., Dublin), "The Chemistry of Reductone and its bearing on Sulphanilamide Action." Dr. T. Dillon, Prof. of Chemistry (Univ. Coll., Galway), "Researches on the Chemistry of the Algae." Dr. H. J. Emeléus, Prof. of Inorganic Chem. (Cambridge), "The Production and Uses of Radioactive Tracers." C. Hardie (Magdalen Coll., Oxford), "Virgil and Dante." Dr. J. Kenyon, Prof. of Chem. (London), "Optical Activity in the Study of Organic Reactions." Dr. C. E. Powell, Melville Wills Prof. of Physics (Bristol), "Recent Experiments on Cosmic-Ray Mesons."

RETIREMENTS. Rt. Rev. Mgr. J. Shine (Prof. of Logic and Psychol. from 1909); W. J. Williams (Prof. of Theory and Practice of Education from 1943); E. W. Farrell (Lectr. in Classics from 1937); Dr. J. J. O'Kelly (Lectr. in Obstetrics).

DEATHS. Prof. A. W. Conway (Mathematical Physics and Registrar from 1909 to 1940, President from 1940 to 1947); D. Hyde (Prof. of Modern Irish from 1909 to 1932); R. O'Dwyer (Prof. of Irish Music from 1929 to 1940); E. Sheridan (Prof. of Dental Surgery from 1909 to 1949); P. O'Callaghan (Asst. Physics and Electr. Engin.).

STUDENTS. Total: 3167; full-time: 2992; pt.-time: 175; the total includes 792 women and 315 postgraduates.

DEGREES, ETC. B.A., 200; M.A., 28; Higher Dipl. Educn., 97; B.Sc., 54; M.Sc., 12; M.B., B.Ch., B.A.O., 146; M.D., 15; M.A.O. or M.Ch., 3; B.D.S., 20; LL.B., 5; B.E., 63; M.E., 2; B.Comm., 48; M.Comm. or M.Econ.Sc., 2; B.Arch., 14; B.Mus., 1; Ph.D., 7; B.Agr.Sc., 38; M.Agr.Sc., 2; D.P.M., 6; Dipl. Lib. Training, 4; Dipl. Social Sc., 9; D.C.H., 9 D.P.A., 36; C.P.H., 32; D.P.H., 12.

UNIVERSITY COLLEGE, CORK

Founded 1845

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—T. A. CONROY, M.A.

Telephone : Cork 1371.

TEACHING STAFF

Accounting and Business Administration

..... Lectr.
O'Mahony, W. J., B.Comm. Asst.
1 Demr.

Agriculture, v. *infra*

Anatomy

MacConail, M. A., M.B., B.Ch., M.Sc. 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.

Archæology

O'Kelly, M. J., M.A. 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.
Mulcahy, L., M.Sc., Ph.D. Asst.
Aherne, J. C., M.Sc., Ph.D. Asst.

Classics

Treston, H. J., M.A., D.Litt. Prof.
Porter, W. H., M.A. Dub. Prof.

Dairy Science, v. *infra*, Agric.

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, Patrick, M.E. Lectr.

Engineering, Municipal

Farrington, S. W., B.A., M.E. Lectr.

English

McCarthy, Miss B. G., M.A., Ph.D. Prof.
Walsh, R. F., M.A. Asst.

French

Servais, Yvonne, M.A. Asst.

Geology and Geography

O'Connell, C. S., M.A., B.Comm. Lectr.

German

Boyle, Mrs. Mary, M.A. Prof.

History

Hogan, J., B.A., D.Litt. Prof.
Gwynn, Denis, D.Litt. Prof.
Pender, J., M.A. Lectr.

Irish Lang. and Lit.

Breatnach, R., M.A. Prof.

Caomhánach, S., M.A., Ph.D. Prof.
Cullinane, C., M.A., Ph.D. Prof.

Irish Music
Neeson, S., B.A. Lectr.

Law
..... (C. Law, Real Prop. and Eq.) Prof.
Murphy, C. K., M.A., LL.B., H.Dip.Ed. (Jur., Roman L. and Pers. Prop.) Prof.

Mathematics
Atkins, H. St. J., M.Sc. Prof.
Carey, T., M.A., Ph.D. Lectr.

Mathematical Physics
..... Prof.

Mathematics, Physics and Soil Mechanics
Quinlan, P. M., B.E., M.S., Ph.D. Lectr.

Medical Ethics
Bastible, Rev. J. P., 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., M.A., D.Litt. Prof.
Callaghan, Rev. John, M.A. Asst.

Physics, Experimental
McHenry, John J., M.A., D.Sc. Prof.
Kelly, C., M.Sc., Ph.D. Lectr.
O'Sullivan, Margaret, M.Sc. Asst.

Physiology
Kane, F., M.D., D.P.H. Prof.
O'Callaghan, D. J., M.D. Asst.
Law, Mary, M.Sc. Asst.

Romance Languages, v. also French
Byrne Costigan, Ethna, M.A., D. ès L. Paris Prof.

Sociology
O'Leary, Rev. J., M.A. Lectr.

Spanish
Healy, J. G., M.A., Ph.D. Lectr.

Zoology
Renouf, Louis P. W., B.A., Dip. Agric. Camb., D.Sc. Prof.
Murphy, Marjorie, M.Sc. Asst.

Agriculture

Agriculture
Boyle, C., M.A. Wisc., 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.

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
Lyons, J., M.Sc. Prof.
O'Shea, M. J., M.Sc. (Dairying), Ph.D. Asst.

Medicine

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

Hygiene and Public Health
Saunders, J. C., M.D., B.Ch., B.A.O., D.P.H. Prof.

Materia Med.
Donovan, T., M.A., M.B. Lectr.
McCarthy, D. F., M.B., B.Ch., M.A.O. Asst.

Medical Jurisprudence
Riordan, M. J., M.B., B.Ch., M.A.O., F.R.C.S.I. Lectr.

Medicine
O'Donovan, J. M., M.Sc., M.D., F.R.C.P.I. Prof.

Mental Diseases
Honan, B. F., D.P.M. Lectr.

Obstetrics and Gynæcology
Kearney, W., M.D., M.A.O. Prof.

Ophthalmology and Otology
O'Hea-Cussen, V., M.B, B Ch, B.A.O., D.O. Oxon. Prof.

Pathology
O'Donovan, W. J., M.B., B.Ch., B.A.O., 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.

Dentistry
Roche, M. A., B.D.S. (D. Mech.) Prof.
Ollivère, J. D. F., B.D.S. Lectr.

GENERAL INFORMATION

Queen's College, Cork, founded in 1845, became a constituent College of the N.U.I. in 1908.

LIBRARY: over 300,000 vols., including the d'Arbois de Jubainville collection of Celtic works, the Sharman Crawford Library, the Wilson Historical Library, the Sexton Anglo-Indian Library. MUSEUMS: Archæol., Ethnol., Geol., Mineral., Nat. Hist., Med.

LABORATORIES. Agr., Biol., Chem., Engin. (Testing, 200,000-lb. machine, and Hydraulics), Geol., Physics, Medical School. BOTANICAL GARDENS. OBSERVATORY with 8″ equatorial and 11″ photo. telescopes, seismograph, and 4″ siderostat.

Complete COURSES provided for all degrees and diplomas of the Univ., except 3rd and 4th yr. of B.Agr.Sc. course. Students are also prepared for the examns. of the Univ..of Lond. The Diploma in Dairy Science (2 yrs.' course) is necessary for all who wish to become creamery managers in Ireland.

FEES for tuition for complete degree course, including College fee: Arts, £84; Science, £120; Eng., £120; Med., £292, including Hospl. fees; Dentistry, £347, including Hospl. fees; Music, £66.

RESIDENCE. Honan Hostel for men (Warden: Prof. C. Ó. Cuilleanáin), fee, £80 p.a.; La Retraite (charitable trust, R.C. only) for women (Warden: Rev. Mother Michael), fee from 63 gs. p.a. Students are supervised by Officers of Residence.

EXTRA-MURAL WORK. Weekly Lectures to workmen.

PUBLICATIONS. *Calendar* (Easter), 6d.; *Cork University Record* (3 times yearly).

THE YEAR 1948–49

STUDENTS. Total: 985; full-time: 974; pt.-time: 11. The total includes 310 women and 89 postgraduates.

DEGREES. B.A., 57; M.A., 7; B.Comm., 33; B.Sc., 25; M.Sc., 12; B.E., 13; M.B., 67; M.D., 2.

UNIVERSITY COLLEGE, GALWAY

Founded 1849

PRESIDENT—Rt. Rev. Mgr. PÁDRAIG DE BRÓN, M.A., D.Sc. (Pro-Vice-Chancellor).

REGISTRAR—Prof. J. MITCHELL, B.Sc., B.E., F.G.S.

BURSAR—Prof. P. LARKIN, B.A., H.Dip.Ed.

Telephone : Galway 22.

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
O'Maille, T. S., B.A., Ph.D., H.Dip.Ed. Lectr.

Chemistry
Dillon, T., M.A., D.Sc. Prof.
Coll, Francis, M.Sc. Lectr.
Russell, J., M.Sc. Asst.
Allen, L , M.Sc. Asst.
Lee, Elizabeth, M.Sc. Asst.
Oh Eochadhe, C., B.Sc., H.Dip.Ed. Asst.

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.
McBryan, F., M.A., H.Dip.Ed. Prof.
O'Buachalla, L., M.Comm., H.Dip. Ed. Lectr. (in Irish).

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.
O'Buachalla, L., M.Comm., H.Dip. Ed. Asst. (in Irish).

German
Shea, Mrs. M. M., M.A. Prof.

History
O'Sullivan, Mrs. M. J. D., M.A., D.Litt. Prof.
Kennedy, Sheila G., M.A., H Dip.Ed. Lectr. (in Irish).

Irish, Old and Middle, and Celtic Philology
Ni Maol-Chroin, Caitlin, M.A., D.Phil., H.Dip.Ed. Prof.

Irish, Modern
O'Raghallaigh, T., M.A., Ph.D., H.Dip.Ed. Prof.
O'Broin, T. P., M.A. Asst.
de Búrca, S., M.A. Asst.

Law and Jurisprudence
Gallagher, P. J., B.A., LL.B. Prof.

Mathematics
Power, M., M.A., B.Sc. Prof.

Newell, M., M.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, Máirín, M.Sc., Ph.D.
Lectr.
O'Doherty, Bridget, B.Sc., H.Dip. Ed.
O'Malley, Brenda, B.Sc., H.Dip Ed.

Philosophy

O'Brien, Rev. F., Ph.D., D.D., B.C.L. Rome, Lic. Sc. Hist. Louvain Prof.
Nolan, Rev. Hyacinth, D Phil., M.A. Lectr.

Physics

O'Brolchain, C., M.Sc , Ph D. Prof.
Larkin, Declan 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.

Medicine

Med. Jurisprudence and Hygiene

..... Lectr.

Medicine

O'Donnell, M. J., M.D. Prof.

Mental Diseases

McCarthy, C. J., M.B., D.P.H.
Lectr.

Midwifery and Gynæcology

MacLaverty, R. A., M.B., F.R.C.P.I. Prof.

Ophthalmology and Otology

O'Malley, C. C., B.Sc., M.D., B.Ch., B A O., D O.M S. Prof.

Pathology

..... 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.

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), £163; Engineering, 3 yrs., £84; Commerce, 3 yrs., £60. Postgraduate or research course, £15.

SCHOLARSHIPS open to students of the Coll. on graduation: 4 of £60.

RESIDENCE. The cost of board and lodging for a student varies from 45s. to 50s. a week. Every student is required to register under a Dean of Resi-

dence, 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 consisting of the President, the Deans of the Faculties and the Registrar.

PUBLICATIONS. List of licensed lodging-houses, free; *College Calendar* (1s. 4d.); Regns. for Degrees and Courses (8d.); Regns. for Scholps. (2½d.); Gaeltacht Scholarships (1½d.); Univ. Examn. Papers (post free, 1s. 8d.), from O'Gorman and Co., Galway.

THE YEAR 1948–49

STUDENTS. Full-time: 798; including 267 women and 52 postgraduates.

DEGREES AND DIPLOMAS OBTAINED. B.A., 34; M.A., 6; M.B., 27; M.D., 1; M.A.O., 2; B.Sc., 12; M.Sc., 1; B.E., 29; B.Comm., 9; Dip.Ed., 4; H.Dip in Ed., 39; Dip. Ir. Studs., 1.

APPENDIX VII

UNIVERSITIES OF THE UNITED STATES OF AMERICA

Students in the United Kingdom who intend to study in the United States are advised to apply to the American Library, United States Information Service, 5 Grosvenor Square, London, W.1. The Institute of International Education, 2 West 45th Street, New York 19, N.Y., has published a handbook for foreign students, entitled *Meet the U.S.A.* This booklet, which was written by a foreign student, contains a great deal of general information about the history and customs of this country as well as specific information about higher educn. in the United States. The book includes a list of all the accredited Colls. and Univs. in the United States with indication of the fields of study in which they specialize. Copies of the handbook are available for consultation at American Consulates and Embassies throughout the world. Cost 60 cents. A useful publication is *A Guide to Colleges, Universities, and Professional Schools in the United States*, edited by Carter V. Good, published by the American Council on Education, 1945, $5.00. This volume was prepared especially for returned Service men and women. Another useful publication is *American Universities and Colleges*, published by the American Council on Education, 744 Jackson Place, Washington 6, D.C. The fifth edition of this book, revised, was brought out in 1948. Cost $4.00. 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.

EXPENSES. Annual tuition fees range from a maximum of about $800 in the large Eastern Universities to a minimum of about $150 in the State Universities and small Colleges of the Middle West and South. Living costs vary according to the size of the College or University, and the size of the town in which it is located. In general, living expenses in the South are a little less than in the Middle West, and in the Middle West a little less than in the West and East. The cost of an academic year of nine months may be reckoned at about $2000 in the most expensive places, and $1000 in the least expensive. Transportation costs about 2.5 cents a mile plus 15 per cent tax; at night 3.5 cents plus 15 per cent tax and Pullman accommodation.

INTERNATIONAL HOUSE, 500 Riverside Drive, New York City, opened Sept. 1924, is a residential club for over 500 foreign and American students. Similar houses have been opened at the Univ. of California at Berkeley, and at the Univ. of Chicago. The requisite funds for building these three International Houses were provided by John D. Rockefeller, Jr. The following three International Houses have been more recently founded and receive financial aid either from

civic or private sources: INTERNATIONAL HOUSE OF PHILADELPHIA, 3905 Spruce Street, Pennsylvania; INTERNATIONAL STUDENT HOUSE, 1708 New Hampshire Avenue, N.W. Washington, D.C.; INTERNATIONAL CENTER, University of Michigan, Ann Arbor; INTERNATIONAL STUDENT ASSOCIATION, Cambridge, Mass. (Mr. and Mrs. Lawrence Mead).

SCHOLARSHIPS. Information as to American University and College Scholarships for British students may be obtained from the Institute of International Education, 2 West 45th Street, New York 19, N.Y., or from the English-Speaking Union, Dartmouth House, 37 Charles Street, Berkeley Square, London, W.1. *See also* Appendix III.

AMERICAN DEGREES (non-professional). The following notes are based on a Report presented by a Committee of the American Council on Education to the French Ministry of Public Instruction. The American Colleges, both those which are independent institutions and the colleges of liberal arts within Universities, award the A.B. or B.S. degree to students who complete a 4 years' course. Ordinarily the student at the time of admission to the college is about 18 years of age and has completed a 4 years' course in a secondary school. A considerable portion of his work at college belongs, however, to what in European countries is called secondary education. American Universities use the credit or point system usually requiring 120 credits for the B.A. degree (Credits represent definite periods of time spent successfully under instruction). The average student takes about 15 credits each semester and four years of study are usually necessary to secure the Bachelor's degree. Much more importance is attached to attendance at classes than is the case at European Universities, but American students are also required to write papers and pass periodic examinations. The college graduate who aspires to the degree of A.M. or M.S. proceeds to the Graduate School of a University (the professional schools of first grade prefer, and in some cases require, graduate standing for admission), and there pursues his studies, either general or, if aiming at a subsequent doctorate, specialized, for one year. The Ph.D. requirements are ordinarily "3 years of resident study, beyond the baccalaureate, the presentation of a thesis embodying the results of original research, and the passing of a comprehensive examination testing the candidate's knowledge of his chosen field of learning."

The Report points out that higher education in the U.S.A. is largely autonomous, there being no control by the Federal Government and little control by the political authorities of any State. Such standardization as has been effected has come through the voluntary efforts of groups of institutions having similar ideals and purposes.

An agency of the Federal Government, known as the Office of Education, publishes at intervals a bulletin which lists the institutions of higher education that are accredited by recognized standardizing associations. The Office of Education also publishes annually the EDUCATION DIRECTORY, PART 3, HIGHER EDUCATION, which lists for each of some 1800 recognized institutions the basic facts about their organization, accreditation, and the names of their principal admini-

strative officers. The Office of Education, which may be addressed at Washington 25, D.C., is glad to answer enquiries about institutions of higher education in the United States.

Of the 1788 Universities, Colleges, Junior Colleges and Professional Schools recorded by the United States Office of Education for 1947–48, 630 were under public and 1158 under private control. There were enrolled in that year 2,616,262 students of whom 1,836,339 were men and 779,923 were women. Of the total number enrolled, 1,122,738 were veterans of World War II; 609,737 (410,685 men and 199,052 women) were first-time students; and 174,432 were graduate students, of whom 120,177 were men and 54,255 were women. Law students numbered 64,517; medical, 31,902; dental, 9177; pharmacy, 20,645; and engineering, 255,619.

British Information Services (established 1942 with the fusion of the British Library of Information and the British Press Service), 30 Rockefeller Plaza, New York 20, N.Y. (Reference Division, Press and Radio Division, Films and Promotion 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 available for inter-library loan as well as for study in the B.I.S. reading room. It answers enquiries on British affairs, and publishes information papers, pamphlets, and periodicals. Special sections deal with information on Commonwealth and Economic affairs. The Films and Promotion Division has a collection of British Government films for hire or sale. The Press and Radio Division does not compete with commercial news-agencies, but supplies background material not available elsewhere. Speakers are provided for clubs, schools, Universities and other organizations. B.I.S. is the agency in the United States for His Majesty's Stationery Office. It has branch offices in Washington (3100 Massachusetts Avenue), Chicago (39 South La Salle Street), and San Francisco (310 Sansome Street). *Controller*—G. D'Arcy Edmondson, O.B.E.

A British-American Association of Phi Beta Kappa (founded 1776—a society of American University scholars of distinction) was formed in England in 1924 under the presidency of Lord Balfour.

Admission to British Universities. Information as to the conditions of admission of American students to British Universities will be found in Appendix I.

APPENDIX VIII

ANGLO-AMERICAN RELATIONS

PROFESSORSHIPS

GEORGE WATSON LECTURESHIP. Founded by the late Sir W. G. Watson in 1920. Each year's course usually comprises about 6 lectures by an eminent authority, American or British. The courses are given in the various British Univs. in rotation. A general Inaugural Lecture was given in London by the late Viscount Bryce, O.M., in July 1921. This and some subsequent lectures have been published in England by the Cambridge Univ. Press. Lecturer, 1940: Sir Frederick Whyte, K.C.S.I. *Subject*: "Foreign Relations of the United States." During the war years the late Sir Percy Alden gave lectures on American history in a number of schools throughout the country; it was hoped to resume the normal lectures in 1950. The Foundation is administered by the Sulgrave Manor Board. All communications should be addressed to the Secretary (H. Gough, B.Sc.Econ.) at 37 Charles St., Berkeley Sq., London, W 1. Tel Mayfair 7400, ext. 20.

GEORGE EASTMAN VISITING PROFESSORSHIP, tenable at Oxford Univ. The holder shall be, at the time of his election, a citizen of the U.S.A., eminent in teaching or research, and he shall give instruction in the subject of study in respect of which he is appointed. Appointment—not less than 1 nor more than 5 yrs., but re-eligible. 1949—W. Notestein, M.A. Oxon., Ph.D., Litt.D. Harv.

HAROLD VYVYAN HARMSWORTH PROFESSORSHIP OF AMERICAN HISTORY, tenable at Oxford Univ. The Prof. shall be, at the time of his election, a citizen of the U.S.A. Appointment—not less than 1 nor more than 5 yrs. from date of election, but re-eligible. Salary, £1900 p.a. 1949–50: M. Jensen, M.A. Oxon. (Wisconsin Univ.). 1950–51: C. S. Sydnor (Duke Univ.).

COMMONWEALTH FUND PROFESSORSHIP OF AMERICAN HISTORY, tenable at the Univ. of London, University College. The Commonwealth Fund of New York appropriated a sum of $214,500 in 1929 to endow a Department of American History at University College, London, including a professorship and assistants. Present holder: Prof. 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.

The American Universities are constantly inviting distinguished British scholars to lecture on British history and institutions, so that the need for the establishment of special foundations for the purpose has not been felt in the United States.

INDEX OF NAMES

OF

STAFF AND OFFICIALS

Aaron, R. I., 417
Aarts, W. H., 910
Abana, C. I., 974
Abbas, K. G., 1071
  S. A , 935
Abbey, R. L., 775
Abbie, A. A., 756
Abbiss, J. W., 582
Abbott, A. C., 637
  B. C , 244
  C. C., 102
  C. W., 872
  E , 78
  Canon E. S , 207, 254
  S. G , 507
  W. F., 636
Abdel Kader, Shaikh, 232
  Kerim, M., 1107
Abdin, A. M. E , 1107
Abdulla, Shiekh M , 987
Abdullah, S. M., 1070
Abedi, S. A. H., 974
Abedin, M. Z., 1022
Abel, G , 592
Abele, K., 761
Abercrombie, D , 41, 247, 487
  M., 236
  Sir P , 1058
Aberdare, Lord, 435
Aberdeen, D. W., 237
  J. E. C , 787
Abernethy, D. A., 355
Abeywickreme, B. A., 1054
Abhayaratre, O. E. R., 1058
Abhyankar, R. N., 1024
Abid, A. A., 1071
Abidi, S. A. H. H., 1015
Ablett, R., 149
Abraham, A., 1042
  D., 472
  E. P., 354, 362
  G. E. H., 149
  J. W., 616
  K. J., 1019
  O. K., 1083
  R. C., 230
Abrahams, I., 862
Abrahart, B. W., 117
Abramowitz, L. J., 865
Abrams, J. T., 227
  M., 915
Abrioux, O , 471
Absalom, I , 999
Abson, H., 400
Achari, G., 128
Acharya, K. N , 1023
  K. R., 1024
  N., 1030
  P. B., 1016
  P. K , 938
  V. H., 958
Acharyya, B. N., 963
  C. M., 1047
Achaya, K , 973
  S., 974
Acheson, G. J., 908
Acker, J. C., 583
  T. B , 583
Ackerman, E. M., 880
Ackermann, P. B., 893
Ackroyd, Rev. P. R., 130
Acton, H. B., 193, 194
Adair, E. R., 606
  G. S., 69
Adam, A. D. G , 777
  D. B., 756, 761
  G. D., 336
  H., 489
  L., 774
  M. G., 345, 372
  N. K., 457, 461
  O. B., 469
  R., 666
  R. J., 522
  W. B., 54
Adams, A. F. R., 848
  A. R. D., 156
  A. W., 51
  Rev. A. W., 363
  C. D., 1090
  C. P., 162
  D. K., 510
  D. S., 26
  H., 836
  H. W. J., 227
  Mrs. J. C., 572
  J. R., 574
  J. W., 691
Adams, J. W. L., 398, 400, 407
  L. J., 612
  P. L., 43, 801
  S. M., 703, 731
  W , 1110, 1232
  W. E., 830
  W. S., 30
Adamson, A. P. C., 712
  D. G., 526
  G. L., 636
  G. T., 128
  J., 524
  J. D., 635, 680
  K. T , 781
  W. A. D., 492
Adaskin, H , 572
Adcock, C. J., 844
  F. E., 66, 78, 342
Addison, C. C., 333
  W. E., 470
Adelaar, T. F., 884
Adelaide, Governor of, 756
  Sr. L., 656
Adelaja, T. A., 1093
Aderer, E., 664
Adey, W. R., 756
Adinarayan, S. P., 1000
Adisayam, Rev. J., 998
Adiseshiah, W. V., 974
Adivarahan, K., 999
  P., 949
Adkin, B. C., 306
Adoni, D. L., 1041
Adrian, E. D., 69, 83, 162
Adshead, J. C., 579
Advani, T. M., 957
Ady, C. M., 372
  P. H., 373
Affleck, J. W., 134
Afzal, M., 1070
  Ahmed, M.A., 1026
Agar, H., 132
  J. N., 63
  W. T., 776
Agarwal, A. L., 971
  A. N., 972
  R. P., 991
  S., 1016

Agarwal, S. C., 990
S. L., 929
S. N., 1016
S. P., 990
Aggarwal, S , 975
S. N., 972
Aggarwala, A. C., 982
B. S , 980, 981
Agius, E., 1087
Agnes, Sr. M , 656
Agnew, G. H., 718
Agnihotri, J. R , 978
P. N., 1014
Agranat, A. L , 912
Agrawal, L. K., 975
N S , 1018
Agshikar, B. M., 955
Aharoni, J , 202
Aherne, J. C., 1250
Ahmad, Mrs. A. M., 1069
B , 1069, 1073
I., 935
K., 1030
K. S., 1074
M., 1065
M. G. Z., 937
M. M., 1071
M. N., 1072
N , 935
N., Dacca, 1064
N., Punjab, 1069, 1073
N. L., 956
S., 1064
T., 1025
Taiyab, 1020
Sultan U , 1063
Z , 934
Ahmed, A., 1025
G., 1022
J. M., 1107
K., 1064
K. A., 1063
K. S., 1069
M., 1063, 1064
M. S., 974
S., 1017
S., Osmania, 1023
S. F., 1023
S. N., 1009
S. S., 1023
Z , 1023
Ahmeduddin, M., 1023
Ahsan, M., 1023
Z., 1064
Ali, S. A. H., 1063
Aich, M., 1048
Aiken, J. A. C., 35
Aikenhead, D. C , 637
Aikens, R. L., 581
Aikin, D., 617
Ainley, N. J., 534
Ainley-Walker, E. W., 368
Ainslie, D. S., 708
Mrs. I. v. G., 894
W. G., 517
Ainsworth, G. C., 440
H., 147, 152
H., M.A., 200
L., 401
N. J., 270
Aird, I., 292
Airey, W. T. G., 840
Aitchison, G. J., 759
J., 511
J. H., 580
L., 27, 43
M., 314
R. E., 801
Aitken, A., 337
A., LL.B., 509
A. C., 485
A. J., 471
J. T., 236, 246
R., 493
R. N. C., 507
R. S , xxx, 828
Y., 777
Aiyar, K. R. S., 958
S., 1042
S. P., 1054
Aiyaru, C., 949
Aiyer, R. G., 942
Ajdukiewicz, K , 247
Ajose, O. A., 1095
Akhtar, S. M., 1069, 1070
Akins, F. E , 836
Akram, M., 1025
Akrigg, G. P. V., 569
Al-Masumi, S. H., 1063
Al Nuwaihi, M. M , 1107
Alabaster, E. B., 32
Alam, S. S., 1022
Alanbrooke, Visct., 531, 541
Alarie, A., 590
Albaugh, G. P., 626
Albert, A., 767
A , D Sc., 237
G , 594
O., 590
R., 605
Alberts, L., 878
Albertson, M. G., 568
Albino, R. C., 871
Albiston, H. E., 780
Albrecht, F , 775
Albright, E., 736
M., 706
Alcock, P. B., 771
Alderman, J. K., 311
Alderson, H. J., 626
M., 103, 105
Aldis, A. S., 436
Aldous, J. G., 582
Aldridge, W., 632
Aldwinckle, R. F., 626
Aleem, A., 989
Alexander, A. D., 471
A. E., 79, 95, 450
A. E., Ph.D., 786
A. J. P., 50
B., 614
C., 1004
F., 622
F., M.A., 817, 818
Mrs. F., 485
G., 949
G. L., 52
H., 673
I. W., 522
J., 958
Alexander, J. B., 568
J. G. U. O., 154
J. L , 771
K. J. W., 126
M. B., 421
N. E., 556
N. S., 1083, 1084
P., 128
P., M.A., 504
P. I , 1042
P. J., 150
R. C., 525, 527
W., 334
W., M.D., 635
W. A., 492
W. A., B Sc., 516
W. S., 831
Alford, B. C., 458
Alfred, F , 596
Algar, J., 1245
Algate, F. M., 458
Alger, K. R., 460
Ali, A., 1022
A., B.Sc., 1024
A , M.A , 1048
H., 973
H. A., 1027
I., 1065
M., 1023
M. H., 934
M. N., 1022
M. S., 1022
M S. W., 934
N., 934
Q. J., 994
S. B , 1063
S. M , 1024
S. M., M.A., 934
S. M., M.Sc., 934
S. M., Ph.D., 1026
S. M. A., 1063
S. M. Z., 938
T., 1024
Alington, G., 368
Allam, E. W , 128
Allama, S. A., 1069
Allan, C. G. A., 68
D. N., 116
F. G., 33
G., 547
H. R., 202
I. K., 870
J., 487
J. A., 562
J. A , D.D., 832
R. E. A., 112
R. S., 835
T., 517
W., 1106
W. C., 723
Allanson, J. T., 25
Allard, J. L., 667
Allardyce, J., 566
Allaun, R. P., 55
Allaway, A. J., 453
Allbrook, D. B., 236
Allcut, E. A., 712
Allely, J. S. M., 690
Allemang, M., 677
Allen, A. G., 264

Allen, C. K., 368, 382
D., 654
D. J., 486
D. N. de G., 201
E., 103
Rev. E. L., 109
F. L., 305
F. M. B., 535
G., 588
Rt. Rev. G. B., 359
G. C., 244
G. S., 569
G. V., xxx, 1082
H. C., 362
H. R., 227
H. S., 222
H. W., 784
J., 311
J, D Sc , 470, 477
J. F , 524
J. S., 112
K. E., 718
L , 102
L., M.Sc , 1253
L. B., 634
M., 566
N. C. B., 775
P., 66
R. A., 736
R. A. M., 809
R G., 1235
R. G. D., 218
R. L., 737
R. V., 710
S. D., 803
S. G., 264
T. P., 537
Mrs. T. S., 698
T. W., 366
W. F., 550
W. J , 129
W. R., 417
W. S., 231
Alley, P. J., 836
Alleyn, R., 597
Allibone, E. C., 132
Allie, Rev J. L , 668
Allin, E. J., 708
E. S., 557
Allison, A., 509
F. G., 636
Mrs F. R. B., 834
G. E., 659
H. M. B., 735
P. R., 135
Allix, G., 391
Allott, A. N., 232
K. C. B., 147
Allsopp, A., 309
A. H., 870
C. B., 259
H. B., 107
Allt, W. G , 305
Allum, J., 334, 341
Almond, R. L., 914
Alsop, M. H., 870
Alstad, K. S., 831
Alstead, S., 509
Altekar, A. S., 1029
M. D., 958
Altham, C. J., 309
Alton, E. H., 1233
Altschul, A., 689
Alty, T., xxx, 895
Alvarez, R. M., 316
Alvi, M. H., 992
Alvin, K. L., 195
Alvlip, B., 1055
Amalsad, D. M., 998
Ambrose, J. E., 673
Amerasinghe, C. D., 1057
C. W., 1054
Amery, G. D., 353, 359, 364
Rt. Hon. L. C. M. S., 357
Ames, F. R., 865
Amies, A. B. P., 781, 782
C. R., 914
Amin, D. L., 1029
M , 973
Amiot, L. P., 591
Amirthalingam Pillai, R. P., 948
Amis, K. W., 432
Amma, C. P. K., 1003
Mrs. K. R., 1000
N. A., 1000
Ammal, M. L., 1003
Amoroso, E. C., 228
Amos, Rev. A. D., 426
Ampt, G. A., 771
Amundsen, C. J., 143
Amyot, R., 648
Anadakrishnan, N. A., 949
Anand, B. M., 978
C. L., 978, 981
P. L., 973
Anandjee, 973
Anantakrishnan, S. V., 1000
Ananthan, B. N., 1022
K. R. K., 1008
Anantharamiah, K., 1008
Anatavaidyanathan, N., 999
Anctil, J. A., 590
Andersen, E. T., 635
F. I., 771
H., 573
Anderson, A. F., 490, 493
A. F., Canada, 555
A. H., 471
A. J., 556
A. S., 333
C. C., 507
C. K., 609
D. C., 488
D. F., 272
D. F., M.D , 510
D. J., 803
D. M., 531
D. S., xxx, 516
E. W., 319
F. H., 708
G. H., 199
G. S., 115
G. W., 722
Rev. G. W., 29
H., 505
H. F., 279
H. G., 523
H. G. A., 516
H. J., 283, 284
Anderson, H. R., 789
I. A., 511
J., 34
J., M.A., 799
Rt. Hon. Sir J., 197, 291, 296
J. C., 404
J. G. C., 426
J. M., 708
J. N. D., 232
J. R., 510
M. E. G , 916
M. L., 347, 362
M. M., 427, 1090
Mrs. M. S., 66, 85
N., 1110
N. C., 504
O. W., 737
P. G., 717
P. M., 605
P. M., D.Sc., 907
P. N., 538
P. S., 829
R. H., 796
R. L., 556
T., 509
T. E., 476
W., 841
W., M.B., 480
W. A., 536
W. B., 82
W. F., 435
W. J., 565
W. L., 723
W. N., 133
W. S., 556
Anderton, Mrs. C. M., 108
Mrs. E., 1078
M. J., 104
Andhare, S. N., 1017
Andison, J. G., 705
J. J., 570
Andley, K. K., 972
Andoff, J. E., 624
Andrade, E. N. da C., 305, 307
André-Marie, Rev. Sr., 666
Andress, W. R., 835
Andrew, B. L., 524
E. R., 524
G. C., 569
Andrewartha, H. G., 761
Andrewes, A., 348, 364
C. H., 305
M., 191
U., 213
Andrews, Rev. D. K., 721
E., 578
G. S., 50
H. J., 1090
H. K., 350, 364
J., 798
Rt. Hon. Sir J., 531
J. B., 916
J. M., 156
J. P., 223, 1094
P. W. S., 374
S., 532
W. H. H., 156
Andreyev, N., 69
Andrzejewski, S., 896

Andria, M., 1026
Andrus, P. M., 738
Andrusyshen, C. H., 691
Angel, L. N., 759
Anglin, J. P., 611
Angove, P. M., 442
R. C., 759
Angrove, H. S., 675
Angus, H. F., 565, 567
R. C., 477
R. H., 71, 83
T. C , 299
W , 672
W. R., 420
W. S., 97
Angyal, S. J , 797
Anhalt, I., 617
Anka, M , 662
Annan, N. G., 64, 79
Annecke, S , 914
Anning, S. T., 132
Annonciade, Sr. M., 687
Ansari, I H , 934
M. Y , 935
M. Y , Ph.D., 1024
Z , 1024, 1027
Anschutz, R P., 841
Anscombe, F. J., 67
G. E. M., 372
Ansell, M. F , 221
Anselm, Sr. M., 685
Anson, C., 371
W. W., 110
Anstensen, A , 690
Anstey, V., 168, 216
Ante, I. H , 716
Anthes, R. G., 632
Anthonis, P. R., 1056, 1058
Anthony, D. A., 139
J , 482
Antonissen, R. J. K. E., 896
Antonyswami, Rev. A. M., 999
Anwarullah, S., 1031
Anwyl-Davies, T , 284
Ap Gwynn, A., 415
Ap-Thomas, D. R., 411, 421, 422
Apap Bologna, F. A., 1086
Aplin, W. N , 458
Appa Rao, K. N., 944
Appajee, Y., 1010
Appapillai, V., 1056
Appelbaum, I W. B., 241
Appelt, D. C , 689
Apperley, G. S., 720
Appiah, L. P. O , 1090
Appleby, J. C., 403
Appleton, Sir E. V , xxviii, 226, 481
Appleyard, D., 137
Appa, B. F. G., 759
M. U., 421
Apte, B. K., 957
G. G., 1019
Aquilina, J., 1086
Ara, R., 994
Arat, R. R., 231
Arberry, A. J., 73, 80
Arcand, L. J., 610
Archambault, C., 648
Archambault, M., 594
Archbold, J. W., 242
T. C., 99
Archdale, H. E., 805
Archdall, Canon H. K., 463
Archer, B. L., 199
J. B., 697
M., 26
R. L., 420
Archer-Hall, H. W., 31
Archibald, H. D , 554
J., 724
J. G., 357
L. J , 584
M., 127
W. J., 580
W. S., 557
Ardern, P. S., 844
Argue, C. W., 658
K. F., 568
Arian, I., 29
Arikpo, D. O., 237
Aris, R. F., 53
Ariyapala, M. B., 1056
Arkell, A. J., 239
W. J., 84
Arkin, M., 861
Arkle, J. S., 114
Armatage, R. C., 630
Armati, R. E , 809
Armes, H. P., 641
Armfelt, R. N., 126
Armhold, A., 863
Armitage, A , 244
A. Ll , 72, 81
B., 448
G., 133, 135
G. H., 29, 30
Rev. R., 721
Armour, J. C., 615
R. G., 719, 730
Armstrong, A. H., 146
C. A. J., 349, 361
C. N., 113, 114
D. G , 112
D. L., 537
E. B., 532
H., 391
H. S , 624, 625
H. W. D., 568
J., 654
J. R., 460
L. T., 714
O. G., 1237
P. A., 115, 117
R. H., 112
R. W., 354
S., 401
T. H. W., 350, 359
W. A., 208
W. E., 457
W. M., 572
W. S. S., 555
Armytage, W. H. G., 398
Arnason, T. J., 689
Arndt, H. W., 797
W. F. C., 877, 878
Arney, S. E., 425, 462
Arnfield, M. M., 313
Arnold, B. C., 834
Arnold, B. H., 323
G. F., 243
I. D. O., 126
Mother M., 806
P. W., 71
R., 908
R. K., 706
R. N , 484, 497
Arnott, A. J., 805, 806
Rev. F. R., 805
J. F., 504
W. M , 30, 43
Arnould, E. J F., 1235
Arokiaswami, M , 997
Aronovitch, M , 613
Arora, F. C , 981
Arschavir, A., 309
Arsenault, Mrs. M. E., 685
Arthur, D. R., 210
E. R., 712
G H , 163, 228
H. R., 114
W , 505
Arthure, H G. E., 256, 292
Arthurs, J. B., 532
Arulsami, Rev. S , 1001
Arumugaperumal Pillai, P., 949
Arunachalam, P , 1003
Arunachalam Pillai, M , 948
Arya, I. D , 1016
Arylnandy, K. S , 1055
Aschaffenburg, R., 343, 393
Ascroft, P. B , 268
Ash, C. L , 716
E. B., 31
M. E , 193
W. P , 805
Ashai, K. G. A., 987
Ashby, A. W , 353, 362, 384
E , xxviii, 531
R. J., 200
Ashcroft, D. W., 289
G , 321
W R., 409
Asher, H. M. F., 28
J. A., 841
Ashford, C. A , 48
Ashley, C. A., 709
G. T., 1097
J. B., 643
L. F , 136
Ashmead, J., 68, 84
Ashmore, A., 149
P. G., 63, 77
Ashraf, A., 1064
Ashton, E. T., 458
G. C., 618
T. S., 216
W. D., 400
W. M., 418
Ashton-Cross, D. I. C., 72
Ashurst, G. M., 520
Ashwell, D. G., 84
Ashworth, F., 162
H. I., 248, 797, 807
H. K., 256
M. A., 715
M. H., 306
W., 216

Asolkar, G. V., 1016
Aspinall, A., 391
G. O , 482
Asprey, G. F., 1099
Assam, Gov. of, 984
Assinder, E. W., 31
Astbury, Canon H. S., 157
J. P , 315
N. F., 786
W. T., 124, 137
Asten, W., 812
Asthana, H. S., 991
P. L., 990
R. P , 1015
Astley, Sir F., 1090
R., 33
Aston, R. L., 801
S. C , 65, 81
Astor, Hon. J. J., 267
Astrom, Dr., 162
Aswathnarayana Rao, M. R., 1051
Athar, M., 1024
Atherton, W. H., 646
Athlone, Countess of, 194, 224, 1099
Earl of, 164, 194
Atkin, C. W., 147
W. R., 137
Atkins, H. J. B., 259
H. St.J., 1250, 1251
K. R , 84
W. G., 231
Atkinson, A. E , 458
A. L. C , 692
B , 199
C. T , 361
D , 313
D. M., 29
F. J., 367
F. V , 1093
H. F., 321
J. B , 697
J. R , 506
J. T N., 712
K. M. T., 532
M B , 121
M. E., 192
N , 756
R. d'E , 389
R J. C , 482
T., 117
W. C., 507
Atlee, H. B., 582
Attenborough, F. L., xxx, 451
Attree, V. H , 311
Attygalle, D. J., 1057
N , 1057, 1059
Atwood, C. E., 710
Aubert, A., 602
Aubry, A., 196
C., 664
Aucoin, Abbé L., 646
Audet, L., 598
L. P., 592
P., 596
Audus, L. J., 191
Audy, G., 237
Auer, J., 664
Auerbach, C., 488
Auger, C., 598
G., 599
J. C., 593
P. E., 593
Aughterson, W. V., 780
Aujac, G. J., 226
Aukrust, O., 220
Auld, F. C., 707
F. H., 689
J. D., 405
W. H. R., 474
Auluck, F. C., 974
Austin, A. T , 238
C. R., 800
D. G., 1091
E. M , 225
F. M., 24
G. W., 67, 85
J. L., 350, 363
L. D. C., 1058
L. J , 522
M. N., 530
N. A., 34
P., 558
R. G , 426
W. N., 99
Authikeshavalu, M , 1010
Auty, P., 188
R., 64, 66, 70
Avasthi, G. C., 993
H. K., 990
Avens, A. R , 457
Avison, H. R. C , 618
Ayachit, V. G., 1019
Aydelotte, F., 382
Ayer, A. J , 243, 246, 248, 454
Ayling, E. E , 431
Aynsley, Rev. E. E., 108
Ayre, J. E., 614
T. P., 113
Ayyangar, N. S. K., 1003
S. S., 999
T. T., 1000
Ayyar, A. A., 1003
C. V., 1003
G. R. N., 1000
K. S. K , 1002
L. A. K., 1006
N. V., 1003
S. M., 1004
S. S., 1000
S. V., 1064
T. N. M , 999
Azad, S. M. Z. H., 1065
Aziz, A., 1063
M. A., 933
Azizuddin, D. M., 1004

Baar, H., 32
Baard, J. J., 900, 903
Babbage, D. W., 67, 79
Baber, T. D. H., 409
Babhulgaonkar, R. D., 1017
Babin, E., 592, 594
Babineau, L. M., 598
Babington-Smith, B., 351, 384
Bacal, H. L., 614
Bach, H., 342
M., 713
S. J., 247
Back, R. F., 803
Backeberg, O. G., 908
Bacon, E. E., 400
J. S. D., 402
R. G. R., 532
S., 126
Bacsich, P., 502
Badcock, R. M., 508
Baddams, G., 810
Baddeley, G., 323
Badeaux, F., 648
Badenhorst, J. L., 900
L. T., 875
W. J., 876
Badenhuizen, N. P., 908
Badenoch, A. W., 276
Badger, G. M., 756
Badiuzzaman, 1063
Badkas, D. J., 1052
Badola, J. R., 975
Badruddin, M , 933
Baer, E E. F. T., 714
G. F. A., 898
Baeta, Rev. C. G., 1091
Bagenal, N. B., 251
Baggott, D. I., 184
Baglow, R. L., 702
Bagnall, J. S., 583, 585
L., 518
Bagnani, G., 703
Bagshaw, R. M., 565
Bahadur, Sir K. S., 952
S. Y. K. S. J., 987
T., 988, 989
U., 972
Bahl, I. N., 989
K. N., 992
S. L., 979
Bahuguna, S. P., 993
Bai, B. A., 1000
Mrs. P. M., 1000
Baier, C., 446
K E. M., 775
Baig, M. A. Q., 1023
M S. A , 1024
Baigent, C. W., 447
H. V., 841
L. A., 835
Baildon, E., 401
Bailes, J. Ll., 311
Bailey, A. G., 659
A. P., 757
C. L., 843
C. R., 238
D. L., 702
D. R. S., 74, 77
F. W., 331
H. W., 41, 74, 81
H. W., Tor., 723
J., 818
K., 62, 84
K. C., 1233, 1234
K. V., 318
R. W. C., 325
S. J., 72, 81
V. A., 799
W. N., 192
Baillargeon, N., 593
Baillie, D. C., 707
D. M., 423, 521

Baillie, Rev. J., 483, 495, 497
W. H. T., 710
Bain, A. F., 724
J., 224
K., 46
M. I., 157
R., 473
R. V. S., 800
W. A., 128
W. C., 472
Bainbridge, J. G., 228
J. R., 784
W., 111
Baines, G. H., 33, 34
H., 138
S , 30
Bains, D., 191
Baird, A. F., 658
A. M., 816
D., 475
D. M., 659
E., 643
R., 507
Baird-Smith, J. H., 508
Baji, A. R., 984
Bajpai, P., 1040
Bajpayee, Mrs. S., 993
Bajpeyi, N. D., 1041
Bake, A. A , 229, 234
Baker, A F. H., 847
A. J , 799
A. L. L., 200
A. W., 723
B. E., 618
C G , 258
D. M., 272
D. W. A., 822
D. W. H., 1094
G., 723
H. F., 81
H. G., 124, 143
H. S., 550
H. W., 324
Mrs. I., 130
J., 1238
J. F , 71, 75
J. N. L., 361
J. O , 555
J. R., 352
J. W., 125, 143
J. W., B.Sc., 427
L. F., 245
M. C., 610
R. E. D., 1102
R. W., 813
S. J., 162
S. J. K., 1097
S. L., 318
T. M., 237
W., 44, 55
W. P., 138
Baker-Bates, E. T., 144, 153
Bakhsh, E., 1070
Bakker, E. M. v. Z., 876
Bal, S. D., 1016
Bala Krishna, K. J., 941
Balachandra, J., 1052
Balaguer, Rev. M. M., 957
Balakrishna, R., 997
Balakrishnan, G. S., 947
Balakrishnan, N., 998
P , 948
Balam, Rev. L. M., 1000
Balasingham, T., 1083
Balasubrahmanyam, V., 942
Balasubrahmanyan, M., 948
T. S., 949
Balasubramanian, M., 1004
Balasubramanyan, D., 948
Balasundaram, V., 949
Balch, C. C., 393
D. A., 393
Balchandran, S , 1016
Balchin, W. G. V., 208
Balderston, W., 736
Baldry, H. C , 861
Baldwin, A. H., 804
E. H. F., 237
G G , 71
L. C. M., 702
R. R , 445
W , 113
Bale, W A , 128
Balendra, W , 1056, 1058
Balfour, W. E., 487
Balfour-Melville, E. W. M., 485
Balharrie, J. W., 609
Bali, D. P., 976
Baliah, V , 947
Baliga, B. R., 999
S. P , 1056
Balinsky, B., 910
Balint, E., 184
Balkin, I. J., 912
Ball, E. T. M , 408
L. E., 164
Sir N. G., 207
T , 456
W. M., 776
Ballabh, R , 991
Ballal, D. K., 1015
Ballantyne, A. M., 239
J. H., 724
J. R., 522
Ballhatchet, K. A., 232, 234
Ballon, D. H., 614
Balme, D. M., xxx, 1090
Balmer, J., 139
Balmond, H. J., 1054
Balogh, T., 42, 358
Balsdon, J. P. V. D., 348, 360, 362
Balson, E. W., 457
Balthazard, I. G., 705
Bamber, G. W., 153
T. F., 402
Bamborough, J. B., 368
Bambridge, E. B., 726
Bamfield, Rev. H. T., 1048
Bamford, C. B., 115
Bampton, A. W., 756
Bance, H. M., 431
Bancroft, M. F., 546
Band, D., 491, 493
Banerjea, A. C., 992
Banerjee, B. N., 1051
D., 963
D. P., 1064
I., 963
Banerjee, K., 974
N. V., 974
P. N., 963
S. K., 962, 963
S. N., 1030
Banerji, A. C., 937
A. C., Lucknow, 991
A. K , 1049
B. K., 137
G. B., 1047
K. N., 1030
N. D , 1030
P. N., 1047
S. B., 928
S. M., 1048
Banfill, S. M , 1078, 1080
Bang, T. K., 1016
Banister, R. J., 372
Banker, D. K , 1016
Bankier, J. D., 625
Banks, A. L., 72
B. J. F , 862
E. K C , 244
M. R., 813
T. E., 276
Bannan, E. F , 1246
M. W , 702
Bannatyne, W., 508
Bannerjee, G. C., 958
P. C., 1064
Bannister, F. K , 25
J. L., 426
Bannon, Rev. R. V., 684
Banting, Lady H. E., 1079
Bapat, M. V., 1015
R. N., 1019
Baptist, N. G., 1057
Baracos, A , 632
Baragar, F., 631
Baragwanath, L. E., 774
Barai, B , 1064
D. P., 1047
Baranowski, D., 524
Barback, R. H., 822
Barbados, Bishop of, 97
Barbashoff, V. I., 574
Barbeau, M., 592
Barber, Mrs. A. E., 722
C. C., 471
C. L., 631
E. A., 360
H. H., 336
H. N., 812
H. W., 258
K., 913
M., 283
T. P., 333
W. H., 421
Barbier, C. P., 504
Barblett, P. J., 816
Barbour, J. R., 756
K. M., 1107
R. F., 48, 51
R. R. P., 780
Barclay, A. E., 331, 389
J. A., 28
M. L., 572
R. H., 508
Rev. W., 503
Barcroft, H., 284

Bardham, J. C., 962
Barer, R., 344
Barette, D., 667
Barford, N. C., 202
Bari, J., 935
Baril, G., 649
G. H., 645, 647, 648, 649
H., 647
Barker, A. B, 757
A. E., 704
A. N., 130
C. A. V., 724
C. C., 445
C. C. H, 422
C. S., 613
D. Y., 633
E., 253
E. E., 505
F. C, 768
G. R, 310
J. A., 453
J. R., 222
J. W., 69, 70
L., 136
M. G, 71
M. L, 485
R. J. K., 712
W. F, 890, 895
Barkla, H. M, 524
Barley, M. W., 337
Barling, E. V., 804
Barlow, A. C. H., 209
D., 348, 361, 362
F., 441
H. E. M, 239, 246
H. W. B., 203
K., 568
T. E, 113
Barltrop, J. A., 345, 359
Barmby, J. E., 447
Barna, T., 374
Barnabas, J, 1019
Barnard, A. P, 900
E. I., 52
G. A, 201
H. C,, 391
P. J. J., 886
T., 241
W. G., 283, 284
Barnardt, J. H., 899
Barnes, Mrs. A. M., 347, 373
B. F., 305
C., 708
F. A., 335
F. R., 850
G. L., 35
H., 72
H. G., 348, 369
J. A., 237
R., 310
V. C., 323
W. H. F., 103
Barnetson, J., 886
Barnett, A. J. G., 473
G. M. F., 832
H. B., 550
N. M., 24, 35
Barnhart, W. S., 666
Barnicoat, C. R., 850
Barnicot, N. A., 237
Barnie-Adshead, W. E., 31
Barniville, H. L., 1243, 1248
Barns, J. W. B., 368
Barnstead, W. G., 720, 726
Barnum, D. A., 724
Barnwell, R., 394
Baron, G., 184
M., 393
Barr, A., 510
J., 508
L. B., 117
M. L., 737
T., 138
W. G., 361
Barraclough, F. E., 802
G., 148
Barragán, J. V., 222
Barran, Sir R., 143
Barratt, A. J., 896
C., 249
K., 253
N. M, 324
P. E. H., 810
T. J., 787
Barré, R, 645, 649
Barrer, R. M., 470
Barrett, A. M., 73
Rev. C. K., 103
H. S., 481
L. A. G., 850
L. R., 199
M. J., 760
N. R., 284
R. E., 712
W., 128
W. S, 346, 370
Barrette, G., 593
G., A.G., 591
G., B.A., 593
Barrie, H. J., 715
Barrington, E. J. W., 337
Barron, H., 458
S., 536
V. M., 830
Barrow, R. F., 361
Barrowclough, C. B., 829
Barrowman, J. R., 130
Barry, G. M., 273
R. J. W., 537
Barss, A. F., 571
Barstow, Sir G., 431
Bartelink, D. L., 738
Barter, G. H., 361
Bartholomeusz, L. N., 1058
Bartindale, G. W. R., 323
Bartlett, A. G., 339
Rev. C. B., 212
Sir F. C., 69, 81
F. L., 677
M. S., 314
R. J., 196
S., 393
Bartley, E. O., 535
J. O., 432
W. G., 195
Barton, D. H. R., 195, 199
E. L., 718
E. S., 568
N., 573
N. H., 460
Barton, R. A., 851
Barua, B. K., 986
H. K., 984
Barucha, S. P., 1026
Barve, P. M., 958
Barwell, E. M., 759
F. T., 201
Basak, H. C., 1051
N., 1065
Basenach, Rev. F., 998
Basham, A. L., 232
Bashir, M., 1069
Ali, S., 933
Bashiruddin, S., 933
Basir Khan, M.A., 935
Baskett, R. G., 534, 539
Baskin, Miss, 861
Basmajian, J. V., 713
Basnayake, V., 1057
Bassam, B., 720
Bassani, A. M., 196, 241
Bassett, G. W., 810
H. Ll., 425
R., 218
Bassindale, R., 48, 1091
Bastable, Rev. P. K. J., 1243
Bastible, Rev. J. P., 1251
Bastin, E. W., 1094
Bastock, M., 373
Basu, A. N., 975, 976
Mrs. J., 1030
N. K., 1029
N. M., 934
S. K., 1031
Batchelor, G. K., 67, 84
I. R. C., 490
J. S., 259
R. C. L., 491
Bate, A. E., 307
S. H., 26
Bate-Smith, E. C., 92
Bateman, G. H., 284
G. I., 871
H. W., 887
J. V., 691
M., 453
T. P. G., 803
Bates, D. R., 242
G., 719
L. F., 336, 343
Mrs. M. S., 626
W. J., 47
Bateson, F. N. W., 347, 360, 361
Batham, G. S., 830
Batho, E. C., 224
Batke, T. L., 711
Batley, L., 398
W. A., 409
Batliwalla, K. C., 958
Batson, E., 863
Mrs. H. M., 863
R. G., 151
Batstone, H. L., 676
Batt, A., 139
H. G., 580
H. T., 724
J. C., 815
Batta, B. D., 980
Batten, T. R., 184

Battersby, A. R., 521
O., 772
Battistessa, A., 162, 409
Battle, B., 800
H., 735
Batts, C. C. V., 496
Batty, D. M. F., 481, 492
J. S., 149
Baudouin, J. A., 647, 649
L., 611
Bauer, C. A., 730
Rev. C. H., 684
M. J., 225
P. T., 64, 77
Bauld, W. S., 483
Baumbach, L., 899
Baumol, W. J., 220
Bawden, F. C., 305
Bawn, C. E. H., 145
Bax-Botha, Mrs. M. A., 863
Baxandall, H., 138
Baxendale, J. H., 310
Baxter, A. M., 527
A. S, 69
B. N., 111
C., 654
E. F., 102
E. L., 569
E. W., 258
F. W., 533
H. A., 616
I. G., 351
J. H, 521
J. P, 786
J. S., 44
Mrs K M., 91
M. R, 724
S G., 616
V. T., 49
W. D., 860
W. T, 215
Bayer, A. W., 869
P., 912
Bayes, C. S., 339
Bayford, V. E., 39c
Baykov, A., 24
Bayley, C. C., 606
K. A., 330
P. C., 368
Baylis, G. T. S., 828
Bayliss, C. W., 239
N. S., 816
Bayly, B. de F., 711
Baynash, J. B., 912
Bayne, M. M., 772
P. M., 546
S., 524
Bazire, J., 147
Bazlul Karim, A. Q. M., 1065
Beach, E. F., 605
Beacham, A., 427
Beadle, L. C., 120, 1097
Mrs. L. C., 1098
N. C. W., 797
Beaglehole, E., 844
J. C., 844
Beahen, H., 664
Beairsto, A. W., 665
Beal, A. E., 201
Beale, G. H., 488
Beale, J. I., 278
Beales, A. C. F., 208
F. W., 625
H. L., 216
Beals, H. D., 546
Beamish, F. E., 702
Bean, E. S., 581
G, 617
R. J., 581
Bean, N., 915
Beard, D. S., 124
F. H., 252
F. N., 709
Bearden, D. M., 993
Beare, F. H., 759
Rev. F. W., 731
M., 249
W., 45
Bearman, Mrs. E. C., 184
Bearsted, Visct., 389
Beasley, F. R., 817
J. A., 205
W. G., 232
W. H., 436
Beaton, M., 448
Beattie, A. G., 477
A. J., 63, 83
C. P, 402
I. M., 658
I. S, 496
J., 730
J., Wales, 437
J. R., 400
M. H., 402
W., 155
W. J. H. M., 275
Beatty, S., 707, 725
S. A., 579
Beaubien, J., 651
Beauchamp, Rev. M., 662, 664, 667
Beauchesne, L. A., 662, 663
Beaudet, A., 662
J., 594
R., 599
Beaudoin, R., 651
Beaudry, E., 593, 600
Beaufoy, L. A., 306
Beaulieu, E., 647
H. A., 593
M. L., 595, 596
Beaumont, A., 572
E., 459
F. H., 818
G. E., 267
H., 599
J. N., 1236
Beaupré, L., 663
V. E., 646
Beaver, S. H., 455
Beaverbrook, Lord, 658
Beazley, Sir J. D., 345, 362
Beck, I. F., 114
I. T., 615
J. M., 547
K. M., 722
L. J., 364
P., 41
R. J., 522
W. H., 108
Becker, B. J. P., 913
C., 911
Beckerleg, Rev B, 104
Beckett, J. C., 533, 540
Hon. R. E., 123
Beckingsale, B. W., 110
Beckinsale, R. P., 348, 368
Beckitt, J. C., 334
Beckman, I. H, 635
Beckwith, C. J. W, 582
Bedale, J., 326
Bédard, A., 592, 599, 600
O, 664, 666
Bedbrook, G. M, 770
Beddie, B. D, 822
Beddows, A. R., 418
Bedford, D. E., 267
E., 486
T, 300, 318
T. H B, 319
Bednarowska, Mrs D M, 373
Bednarowski, W, 472
Bedson, S. P., 264
Bee, J. W., 392
Beech, G R, 145
Beecham, H A, 353
Beedkar, S R, 1024
Beeley, E. W, 109
Beer, A, 62
R. J S, 145
Beet, A. E., 401
Beetham, T A, 184
Beevers, C. A, 482
R. H, 241
Beezhold, W. F, 881
Begam, R J., 994
Begg, A. C, 831
C M. M, 472
E. C., 316
M. A., 974
M. M., 54
M. M, M A, 976
N. C, 831
P. R, 760
R. W., 581
Bégin, E., 591, 593
P, 590
Begrie, I. C., 213
Begum, Afsarunnisa, 1026
J. B., 1026
K. F., 1026
M. J, 1026
Mahboobunnisa, 1026
Manzoorunnisa, 1023
Mehrunnisa, 1026
Qadri, 1026
Qamrunnisa, 1026
Rahmani, 1026
Razia, 1026
Saeeda, 1071
Salamatunnisa, 1026
Shahanshah, 1026
U. H., 1026
Mrs. Z., 1023
Zeenatunnisa, 1026
Behan, Sir J., 382
Behari, R., 973, 976
Behera, P., 1048
S., 1048
Behere, S. N., 1014

Behr, S., 886
Behrend, F. A , 774
Behrens, C. B. A., 66, 85
R. H., 901
Behrmann, H. I., 872
Beighton, E., 124
Beinart, B., 862, 898
Beirne, B. P., 1242
Bélair, R., 649
Béland, R., 593
Bélanger, E., 594
G., 595
Rev J M , 667
J. R., 662
L. E., 597
L. F., 664
Rev. M., 668, 669
P., 661
P. B., 666
R., 647, 648
Belcher, M., 693
R., 23
Belcourt, E , 646
Belekar, G. K , 955
Beley, J. P , 568
Belisario, J. C., 802
Bélisle, J. L , 667
Belisle, L A., 596
Bell, A. A , 525
A C H., 289, 292
A. D. C., 257
C. A., 841
D., 476
D. A., 25
D. J., 62
D. K., 567
E. A., 1237
F., 537
F. G., 831
F. R., 228
G. D H., 82
G. H., 524
G. I , 555
G M., 349
H., 865
H. E., 364
H. J., 636
H. P., 578
H. R , 568
I. C., 431
I. R., 555, 557
J , 503
J., M.A., 240
J. A , 912
J. D. M., 507
J. G. Y., 262
J. M., 691
J. W., 138
J. W. F., 450
L. G., 635, 637
L. H., 217
L. R., 718, 730
P. R., 238
R. E., 153
R. P., 342, 345, 358
W. B., 111
Bellamy, A., 339
C. V., 138
J. B., 445
R., 125
Bellan, R. C., 631
Belleau, J., 594
Bellefeuille, R., 594
Bellemare, E. R., 645
Rev. R., 667, 668
Bellerose, A , 651
Bellis, D. M., 319
Bellot, H H., 241, 247, 1259
Belmore, H. W., 460
Beloff, M., 349, 374
Belper, Lord, 333
Belschner, H. G., 800
Belsey, R. H R , 51
Belshaw, H., 843
J P., 810
Belton, A. A., 397
E. J., 916
J. W., 124
Belwood, E , 832
Belyea, E. S. W., 573
Belz, M. H , 777
Benda, H. J., 845
Bender, A. E., 409
S., 154
Benedict, Father, 1044
Bengal, Gov. of, 962
Bengough, E. J., 628
Benians, E. A., 81, 1234
Benjafield, D. G., 801
Benjamin, B., 614
Benn, E. C., 131
S. I., 458
T. V., 126
Bennet, C. L., 579
J. A., 477
Bennet-Clark, T. A., 207, 211
Bennett, E. A., 1238
E. K., 66, 77
G., 234, 706
H., 703, 733
H. A., 719
H. S., 65, 74, 77
Mrs. J., 65
J. A., 470
J. A. W., 347, 363
J. H., 777
R., 451
R. F., 66, 79
S. H., 54
Bennett-Jones, M. J., 155
Bennetts, R. C , 613
Bennison, G. M., 471
H., 321
Benoit, F., 937
R., 591, 595, 600
Benoît, G., 593
Bensley, E. H., 612
Mrs. S. H., 713
Benson, F. A., 401
J. K. H., 321
L. E., 804
W. N., 805
W. N., N.Z., 833
Benson-Evans, K., 425
Benstead, J. G., 133
Bentel, H., 915
Bentley, A., 391
C. A., 673
C. F., 553
F. H., 115
Bentley, H. R., 516
Mrs. H. S., 551
J. A., 309
J. A., Ph.D., 690
K., 71
M., 1079
W., 603
Benwell, K. V., 818
Benzie, R. J., 442
Benzies, J. Y., 517
Berchmans, Sr. M., 656
Berchon, F., 1106
Berelowitz, H., 864
Beresford, M. W., 125
O. D., 50
Beresford-Howe, C., 605
Berg, R., 770
Berg-Sonne, N., 909
Berge, G. C., 549
Bergel, F., 243
Berger, L., 600
Bergeron, G. A., 599
G. A., 592
M. M., 591
Canon O., 602
Bergey, J. E., 723
Bergin, J H. E., 50
Berglin, C. L. W., 788
Bergstrom, A. R., 840, 850
Bériault, R., 668
Berkeley, C. J. A., 305
Berlin, I., 350, 364
Berlyne, D. E., 524
Berman, W., 579, 580
Bermingham, K., 459
Bernabó Brea, L., 181
Bernadette du Rosaire, Rev. Sr , 666
Bernal, J. D., 196
Bernard, A., 698
Frère A., 646
D. A., 554
L., 648
Sr. M., 705
R., 591
Bernardelli, B., 830
H., 829
Berneaud, J. M., 522
Bernhardt, K. S., 709
Bernier, G. H., 592
J., 593
P. E., 590
Y., 663
Bernstein, R. E., 910
Berridge, N. J., 393
Berrill, K. E., 64
N. J., 608
Berry, A. E., 711, 718
A. J., 63, 76
D. W., 476
E. G., 631, 637
F., 399
H., 235
J., 231
J. C., 566
L. G., 673
N. E., 676
W. A. C., 35
W. E. F., 780
Bertalanffy, L. Von, 664

Bertram, D. S., 299
G. C. L., 82, 92
J. M., 844
R. E., 711
Bertrand, A., 647
D., 596
Berubé, L., 590
Besicovitch, A. S., 67, 83
Besley, L., 569
Besse, A., 370
Besselaar, H. J., 886, 889
Bessette, G., 690
Best, B., 636
C. H., 713, 715, 868, 889
R. J., 761
Bestall, J. M., 405
Bethell, S. L., 426
Bethune, C. M., 581
G. W., 583
Bethune-Baker, Rev. J. F , 80
Bettenson, E. M., 97
Betteridge, H. T., 505
Bettinger, H. F., 779
Bettley, F. R., 267
Betts, J. A., 390
R. R., 188
Beukes, G. J., 876
W. T. H., 879
Bevan, A. R., 579
C. W. L., 440
E. A., 504
H. K., 447
R. T., 439
T., 324
T. H., 432
Beveridge, R., 485
W. I. B., 61, 71, 78
Beverley, J. K. A , 402
Beverstock, A. G., 58
Beves, D. H., 65, 78
Bevin, R. H., 849
Bevington, J. C., 23
Bexon, D., 333
Beyers, J. A., 885
Beynon, W. J. G., 432
Beza, M., 212
Beznak, A. B. L., 28
Bezuidenbout, D. J. J., 885
Bezzant, Canon J. S., 146
Bhadriah, P., 943
Bhaduri, B. R., 1063
Bhagarantham, S., 945
Bhagirathi Ammah, A., 947
Bhagwantam, S., 1024
Bhagwat, G. V., 956
Bhagwati, Justice N. H., 955
Bhakey, G. N., 994
Bhalla, D. N., 976
L. R., 989
M. M., 972
Bhan, G. S., 1023
S., 979
Bhandari, D. R., 973
K. G., 975
R. C., 949
Bhanot, S. D., 975
Bhargana, G. S., 988
Bhargava, D. N., 929
K. P., 989
R. D., 1047
Bhaskaran, R., 997
Nair, K , 1042
Nair, K , D.Sc., 1042
Bhaskarapanikkar, P., 999
Bhasuri, R. R., 1023
Bhat, U. K., 957
Bhatacharva, D. K., 1047
H. N , 1047
R. N , 1047
Bhatia, B. B., 988
B D., 974
M. L., 974
M. L , D Sc , 975
Bhatnagar, Sir B. S., 1069
I N., 973
K. N , 992
K. P., 929
O P , 937
P. L., 973
S. K., 972
S. P., 994
Bhatt, B. N , 975
Mrs. D., 975
H. N., 928
N. B., 1051
R. S., 1015
Bhattacharayya, S. N., 1029
Bhattacharjee, R. R , 1030
S. C., 935
Bhattacharya, A. K., 1040, 1041
A. T., 990
D. R., 937
K. K. 937
K. N , 972
M. K., 972
P., 973
P. C., 974
R. L., 1017
S., 229
S. K., 1051
T. P , 1029
Bhattacharyya, A., 972
B., 1065
M. M., 962
S., 984
S. C., 1064
Bhatti, H. K., 1070
Bhavanagar, Maharaja of, 940
Bhave, V. G., 1014
V. M., 957
Bhedesgaonkar, B. K., 1021
Bhende, Y. M., 958
Bhide, M. R., 1019
V. G., 1019
Bhimasenachari, J., 941
Bhimeswara Rao, P., 949
Bhimsen Rao, 1023
Bhole, W. W., 1014
Bhonsale, G. P., 1033
Bhowmick, B., 974
Bhujang, K. S., 955
Bhusan, V. N., 956
Bhuskute, S., 1020
Bhuvaraham Pillai, A., 948
Bhuyan, A. M., 1064
A. S. M. N. H., 1064
Biaggini, E. G., 762
Biarnès, P., 533
Bibas, H., 85
Bibbey, R. O., 722
Bibby, E. E , 125
Bibile, S. W., 1057
Bickersteth, G. L., 470, 512
Bickley, O. D., 372
W. G., 201
Bicknell, P , 61
Biddle, C. A., 239
Biden-Steele, K., 51
Bidgway, C. V., 773
Bidwai, B. K., 1018
Bieda, K., 1082, 1085
Biéler, A., 671
Biely, J , 574
Bier, J. E , 702
Biesheuvel, H., 872
Biffen, Sir R H., 95
Biggart, J. H , 536, 539
Bigger, J. W., 1233, 1237
Biggs, Mrs. B R., 451
K. R. McK , 270
Bihar, Gov. of, 1029
Bilby, B. A., 27
Bilgrami, H H , 230
Billen, Rev. A. V , 355
Billett, H., 239
Billing, E., 418
G C., 828
Billingham, R. E , 29
Billings, R M., 676
Bilodeau, C., 592, 595, 596
Bindoff, S T., 241
Bindra, D., 608
Bing, G., 190
Bingham, D. L. C , 676
Bingle, H. J J., 892
Binney, Sir T. H., 812
Binnie, A. M., 71, 84
Binning, B. C., 566
Binns, A. L., 446
F. W., 653
Rev. J. B., 254
Binyon, D E. F , 125
Bir, K , 974
Birch, A. H., 313
B. G , 1079
C., 230
F. L., 777
L. C , 800, 805
Birchard, C. C., 612
Birchenough, M. J., 213
Bircumshaw, L. L., 23
Bird, A. L., 71
Rev. C. H., 81
C. L., 136
H. G., 675
J. B., 705
J. I., 571
Mrs. M. B., 705
M. H., 873
T., 115
Birk, L. A., 722
Birkbeck, G. H. M., 788
Birkett, F. M., 218
G. A., 515
K. E., 507
Sir N., 162, 164
N. Y., 507
Birkinshaw, J. H., 299
Birks, H. L., 286

Birks, J. B., 506
Birley, E., 101, 104
E. B., 454
R., 248
Rt. Rev. T. H., 389
Birman, J., 818
Birmingham, Mrs. M. P., 429
W. B., 426
Birnbaum, S. A., 188, 231
Birney, A. E., 569
Birnie, A., 483
Biron, F., 593
Birrell, J. A., 49
Birse, L. A. F., 518
Birt, A. R., 636
Birtwell, S., 125
Bisacre, G. H., 324
Bisbee, R. C., 151
Bishop, A., 85
Mrs A, 574
A. W., 200
E., 108
E. F. F., 502
G. P., 872
Rev H, 139
J., 758, 761
J. H., 483
O. B., 653
P. M. F., 258, 259, 291
P. O., 236
R., 454
R. L., 451
T. A. M, 66
T. G, 139
Bishton, R. L., 50
Bismanis, J., 664
Bisschoff, A. A., 893
Bissell, C. T., 704, 721
Bisset, C. J, 523
G. B., 393
K. A., 30
Bissett, F. W. M., 583
Bisshop, J. H. R., 884
Bisson, L. A., 533
Bissonnette, Hon. B., 647
R., 646
Biswas, A. B., 971
C. C., xxix, 962
P. C., 971
S. C., 1065
Bittner, C. J., 736
Bizony, C., 617
Bjelajac, N., 689, 693
Black, A. N., 458, 461
C. S., 571
D., 506
D. A. K., 317, 327
D. J. G., 392
E., 566
E., M.D., 636
E. I., 400, 406
E. N., 527
G. A., 582
G. W., 132
H., 32
H. D., 797
J., 48
J. B., 471
J. I. M., 114
J. M., 756
Black, K. O., 275
M., 66, 84
Rev. M., 130
M. W., 903
O. F., 873
R., 635
R. D. C., 532
R. M., 335
T., 154
W. G, 573, 575
W. R., 52
W. W., 335
Blackall, E. A., 66, 77
Blackburn, Sir C. B, 796
G., 259
J. M., 622, 674
K. B., 108
R. A., 758
W H, 136
Blackett, G. A., 112
P. M S, 308, 314
Blackie, A. R., 830
Blackledge, W., 139
Blackler, M. C. H., 520
Blackley, F. D., 471
Blacklock, J. W. S., 276
Blackman, G. E., 353, 367, 384
M., 202
S., 270
Blackmore, W. R., 607, 699
Blackstone, B., 434
Blackwell, Mrs. A. M., 208
D. E, 62
E. M., 226
Blackwood, B. M., 344
Bladen, V. W, 709, 726
Blaess, M., 399
Blaikley, J. B., 259, 292
Blaiklock, E. M., 839
Blair, Mrs. D. S, 862
E. M. M., 536
G. W. S., 393
I. D., 847
J., 914
Mrs. J. M., 111
M., 517
P. H., 61, 77
Blais, Hon. A., 556
Blaisdell, J. L., 738
Blake, A., 778
J. G., 112
J. W., 455
R. N. W., 360
Blakelock, B., 626
Blakemore, F., 52
Blakey, K. A., 829
O. F., 817
Blamey, J. W., 768
Blamire, A., 156
Blanchaer, M. C., 635
Blanchard, F. A., 687
J. E., 580
Rev. T., 686
Blanche, I. M., 810
Sr. M., 687
Blanchet, J. M., 590, 600
L. E., 595
R., 599
Blanchette, A., 667
Bland, B. M., 35
Bland, D. S., 117
J, 609, 620
Blandina, Sr. M., 703
Blaney, J. H., 222
Blank, D., 313
Blaquiere, R. H., 557
Blaschko, H. K. F., 354
Blatz, W. E., 709, 726
Blaubaum, P. E., 780
Blayden, H. E., 108
Blaylock, A., 762
Blaze, J. R., 1057
Bleakly, M. C., 790
Bleaney, B., 350, 367
Blease, W. L., 162
Bleksley, A. E. H., 909
Blench, T., 553
T. H., 317
Blesovsky, J., 862
Bleynie, M., 452
Blight, W. C., 693
Blignault, H., 877
Bliss, A. J., 359, 365
Blissett, W. F., 704
Blochmann, E. F. E., 371
Block, M., 877
Mrs. R., 877
V., 606
Blockley, C. M. B., 236
Blok, S. C., 1054
Blomfield, G. W., 403
Blood, D. C., 800
Bloom, A., 697
H., 839
Bloomberg, B. M., 910
Bloomfield, G. W., 506
Blouin, J., 591
Blount, W. P., 236
Blower, J. G., 316
Blüh, O., 573
Bluhm, M. M., 199
Blum, J. P. I. A., 312
Blume, F., 162, 247
Blumefield, E. A., 612
Blundell, C. R. K., 409
R. K., 427
Blundon, W. J., 643
Blunt, A., 54
A. F., 117, 179
Blyth, A., 460
Rev. A. C., 82
F. G. H., 201
H. N., 202
J. S. S., 488
W., 482
Boardman, W., 777
Boase, A. M., 504
T. S. R., 362
Boateng, E. A., 1090
Boaz, G. D., 997
T. G., 130
Bobde, G. C., 1018
Bock, J. H., 324
Bockris, J. O'M., 199
Boddie, G. F., 495
Boden, G. W., 320
Bodier, M., 622
Bodkin, T., 23, 42, 162, 348, 1234
Boenheim, C., 392

Boeschenstein, H., 706
Boggis, A. G., 109, 111
Boggon, R. H., 284
Bohartichuk, F., 664
Bohm, A., 218
Bois, E , 591
Boissard, J. M , 73
Boivin, A., 595
Bok, L. D. C., 869
Bokhorst, M., 880, 881
Bokre, M. G , 1016
Bolam, H W., 515
Mrs M R , 482
R. M., 114, 116
T. R., 482
Boland, E. R., 168, 258, 259
Bolas, B. D , 203
Boldero, Sir H , 267
Bolduc, Abbé J A , 651
Bolgar, R. R , 79
Bolland, R. W , 1097
Bollard, E., 839
Bolsover, G. H., 188
Bolté, P E , 646
Bolton, E., 272
H. C , 336
J. D. P , 366
R. H , 24
Bolus, Mrs. H., 860
Bolwig, N , 910
Bombay, Gov. of, 955
Bomford, G , 352
R. R., 264
Bond, G , 450
G., Ph.D., 503
M., 273
R. P , 240
T. E. T., 46, 409
Bondade, S. B., 1009
Bondi, H., 67
Bondy, Rev. L. J., 705, 721
Bone, E. M.,, 407
M. 499
Bonenfant, F., 595
J. C., 597
Bonfield, J P , 666
J. Patrick, 666
Bongers, J. C , 796
Bonin, W., 647, 648
Bonnell, B , 999
Bonner, B., 735
S. F., 146
T. G., 224
Bonnici, Most Rev. A., 1087
Most Rev. C., 1087
Bonnor, W. B., 149
Bonsall, F. F., 110
Bonser, Mrs. G. M., 133
Bonsergent, Y., 471
Bonsma, F. N., 883
J. C., 883
Bonthuys, J. W. L., 903
Boobyer, G. H., 109
Booij, H. L., 41
Booker, H. G., 95
H. S., 218
Boom, H. P. A. de, 884
Boomsma, M., 801
Boon, T. H., 114
Boone, A. E., 659
Boone, M. P., 546, 547
Boorman, J. T., 130
S. C., 463
Boot, W A , 335
Booth, E. J., 791
F. J., 790
M. A., 800
M. B , 104
N. B., 310
S. R , 766
Boothroyd, E. R., 606
Boratynski, K , 203
Borden, C E , 568, 570
Borg-Costanzi, E. J., 1086
Borgford, S J , 632
Born, M., 486
Boroughs, R. J., 575
Borrie, W. D , 768
Borthwick, J., 113
P. M., 325
W B., 528
Bosanquet, C. F. C., 360
L. S , 242
Boscott, R. J., 22
Bose, A., 933
Mrs. A., 1030
A. N., 990
B. C., 929
C , 1064
C H., 926
G. C., 1063
J., 1048
K K., 1030
M , 972
S. K., 974
S. N , 963
Bosman, D. B , 868
J., 396
J. C., 882
Bossanyi, J., 112
Bossert, R., 427
Bostock, J., 790
J K , 348
Boswell, A. B , 162
J. G., 398
Bosworth, E. M , 126
T. J , 228
Botha, F. W., 880
G., 877
H. de W , 894
L. J., 886
P. J , 892
Bothma, T. C., 875
Bott, E. A., 709
R. W., 532
Botterell, E. H., 716
Botting, H. L , 847
Bottomley, G. A., 146
Bouchard, J. J. L., 615
Boucher, C. T. G., 323
D. W., 676
P., 664
R., 648
Boudreau, C., 687
Rev. R., 687
Bouffard, P. H., 596
Boughey, A. S., 1090
Bouillier, H., 504
Boulanger, M., 590
Bould, C., 54
Boulding, K E., 220
Boulet, A., 596
L., 592
Boulind, H. F., 64
Boulton, N. S., 401
Boultwood, M. E. A., 126
Bouman, J., 1098
Bound, J. A , 458
Bourbeau, G., 591, 599
Bourcier, C , 649
Bourde, A. J., 312, 313
Bourdillon, H. T , 1232
Bourgeois, P , 687
P., M D , 648
Bourget, M A , 592
Bourgouin, J A , 637
Bourgues, J , 26
Bourne, A. W., 280
C. B , 691
E. J., 23
G , 264
G., F R C.P , 275
W , 611
Bourns, A N , 625
Bourque, E., 646
H., 665
L., 590
Bouthiller, L. P., 645
Bouthillier, P H., 554
Boutin, F , 593
Bouvier, R. P. L , 651
Boux, J. F., 632
Bovey, D. M., 334
Bow, M. R., 554
Bowbyes, A. M., 829
Bowden, F. P , 63, 77
J S., 35
K., 125
K. F., 149
K. M., 778
R. E. M , 272
S. T., 425
Bowen, A. R., 336
E. G., 162, 416
E. J., 345, 367
E. W., 774
F. H., 1099
G. H., 34
I. I., 445
J. B , 415
J. E., 477
M , 52
N. A., 472
R , 391
T J., 123
W. G., 604
W. H., 836
Bowen-Davies, A., 265
Bowen-Jones, H., 102
Bower, E. W., 532, 538
J. C., 775
Bowers, A. B., 151
F. K., 573
Bowes, D. R., 758
R. K., 283
W. H., 579
Bowey, A. E., 760
Bowie, D. C., 293
D. J., 630
F. J. T., 476

Bowie, J., 193
J. A., 331
J. C., 24
J. H., 409, 489
Bowker, W. F., 551
Bowland, J. P., 553
Bowlen, Hon. J. J., 549
Bowler, D. G., 851
Bowles, R. E., 323
Bowley, A. H., 184
M E. A., 244
Bowman, A. I , 163, 1093
B. C., 523, 529
F , 324
F. T., 796
Rev. J., 127
M., 636
M. E , 306
R. E , 195
W., 474
Bown, L., 1091
Bowra, C. M , 351, 368
Bowring, Mrs N. M., 392
Bowstead, J. E., 553
Bowyer, Rev. G., 412, 422
L. R , 47
Box, H. K., 717
Boxer, C. R., 210
Boyce, E , 631
N. E. M., 231
Boycott, B , 236
Boyd, A , 913
A , D Sc., 788
Rev. A. J., 1000
A. M., 320
A R. J , 676
D M., 504
E. M , 676
G , 536
G. I , 123
G. L., 715
G S , 483
I W., 718
J , 348, 366
J., LL B., 509, 513
J., M.D., 535
J. D , 264
M. B., 844
M. J., 532
N., 462
P. S., 475
R L. F., 162, 242
T. A. S., 506
W., 715
W. E., 537
Boyd-Orr, Lord, 389, 502
Boyd-Wilson, E. J., 844
Boyden, H J., 103
Boyens, H., 460
Boyer, P., 450
Boyes, J., 116
J. W., 606
Boylan, Rt. Rev. Mgr. P., 1246
Boyland, E., 303
Boyle, C., 1251
Most Rev. J., 682
J. A., 314
Mrs. M., 1250
T. McM., 132
Boyle, W., 518
Boyns, B. M., 1107
Boynton, O., 719
Boys, S. F., 63
Bozzoli, G. R., 911
Brabander, J. O. W., 613
Brabazon, Lord, 389
Bracey, H E., 45
Brachi, D. P., 446
Bracken, J. R., 232
Bradbeer, E. G., 49
Bradbrook, F W., 421
M. C., 65, 85
Bradburn, M., 225
Bradbury, J. H., 771
J. L., 157
J S., 610
Bradby, E. L., 52
Braddell, Sir R., 1082
Braddick, H. J. J., 315
Bradfield, J. R. G., 69, 84
S. G., 803
Bradford, E. J. G., 398
E. W., 404
J K , 721
J S. P., 344
Sir T., 97
Bradlaw, R. V., 116, 120
Bradley, D , 817
D. C., 195
D. R., 532
D. W., 127
Rev F., 662
F. W., 149
G , 512
J , 446
K., 315
K. C., 770
L O., 718
R. A., 607
R. S , 124
W., 136
Bradshaw, A , 423
D., 65
D. B., 133
E., 323
Brady, A., 709
O. L., 238
T. G., 1248
Bragg, Sir W. L., 68, 84
Braid, F., 32
K. W., 512
Braidwood, J., 533
Brailsford, J. F., 33
Brain, D. L., 246
F. H., 258
R. T., 272
W. R., 264
Braithwaite, C., 109
F., 116
G., 1094
L., 1100
R. B., 68, 78
Brake, J., 35
Brambell, F. W. R., 422
Brameld, N. M., 335
Bramha, G. K., 1048
Bramley, E., 397
Bramley-Moore, W., 555
Bramwell, J. C., 317
Bramwell, R. D., 121
Branca, V., 247
Brand, Lord, 357
J. C. D., 503
Brandberg, I. P., 244
Brandis, G. H., 791
Brandon, H. E., 789
Brandt, C J. O. W., 22
P. A., 893
Branion, H. D., 722, 724
Bransom, S. H., 24
Brant, A. A., 706, 730
Brasch, H. D., 773
Brash, J. C , 481
Brass, G. A., 557
Brassard, A., 591
F. J , 594, 602
Brassington, A. C., 835
Braude, E. A., 199
R., 393
Brauer, R., 730
Brault, Rev. F., 662, 667
J., 648
L., 662, 667
Rev. L., 686, 687
Braunholtz, G. E. K., 243, 350, 369
Brawn, R. L., 618
Bray, E. L., 723
F. S , 794, 815
H. G., 28
P. T., 437
R O., 426
Braybon, J. E. H., 460
Braybrooke, E. K., 844
Brayshaw, G. S., 137
H. C., 915
Breakwell, E. J., 796
Brearley, K., 570
M., 24, 35
Breatnach, R., 1250
Brebner, A., 470
N. G., 458
Brecher, I., 605
Breckenridge, J. G., 710
Breckwoldt, G. H., 910
Bredin, G. R. F., 365
Bredsdorff, E. L., 69
Breese, H. H., 115
H. W., 267
Brelvi, E., 974
Bremer, J. K., 886
K., 865
P. M., 885
Brenan, J. P. M., 347
Rev. M. A., 1243
Brendel, F. C. L., 281
Brennan, H. J., 316
J. G., 432
T., 433
Brenner, O., 31
Brentnall, E. S., 320
Brereton, G. E., 224
J. L., 93
Breton, R., 596
Brett, G., 702
Mrs. K. B., 702
M., 305
R. L., 46
Breukelman, M. L., 54

Brewer, Mrs. A., 551
A. C., 155
A. W., 350
D. B., 32
D. S., 25
F. M., 345, 361, 370
Brewin, B., 830
J. M., 251
Brewis, E. G., 114
Brews, R. A., 265
Brewster, B. L., 776
Rev. N. T, 643
Breyer, B. Z., 796
J. H., 915
Breytenbach, J. C. V., 879
Brezik, Rev. V. B., 708
Brian, M. V., 508
Brice, W C., 312
Brickell, F., 459
Bricout, P., 592
Bridge, A B. K. I., 798
Mrs C. M., 499
H. E., 624
I. C., 518
Bridgeman, Hon. G. J. O., 278
Bridges, A , 366
Sir E. E , 74
J. W., 699
Bridgwood, T. G., 137
Brieger, P. H., 702
Brien, F S., 737
Brierley, J. B., 58
J. C., 331
W. B., 392
Brierly, J. L., 488
Briffa, J., 1086
Briggs, A., 351, 369
C. A. E., 228
E. A., 800
E. M , 55
E. R., 416
G. C., 401
G. E., 62, 81
L. H., 839
Brighton, A. G., 66, 92
Brigstocke, Rev. G. E , 104, 121
Brill, E. V. K., 522
L. E., 723
Brimblecombe, L. J., 787
Brindle, H., 319
Brindley, G. W., 129
J. C., 1246
M., 338
Brink, A. J , 885
A. M. B., 885
C., 886
C. O., 521
C. v. d. M., 879
G. C., 718
H. E., 901
Mrs. R. F., 566
V. C., 566
W. C., 901
Brinkworth, J. H., 284
Brinsden, G. I., 816
Brinton, D. H., 280
E., 643
Briscoe, H. V. A., 199
P. A., 125
Brisson, G., 665
British Columbia, Lt.-Gov. of, 565
Britnell, G. E., 690, 691
Brito-Babapulle, L. A. P., 1056
Briton, N. W., 787
Brittain, D., 211
F., 67, 78
R. P., 131
W. H., 603, 618, 620
Brittan, N. H., 816
Britton, A. H , 877
C., 217
D. K., 353
F. R., 626
H. T. S , 440
K , 432
Broad, C. D , 68, 83
F. L., 870
J., 850
Broadbank, R. W. C., 238
Broadbent, J. L., 128
Broadhead, E., 130
H. D., 834
Broadhurst, M. F., 697
Broadie, F., 486
Brochu, L., 593
Brock, H. L., 203
J F., 865
L., 831
Sir L., 389
M. C., 322
M. G., 360
R. C., 259
W. G., 636
W. R., 66, 82
Brockbank, W., 317
Brockett, C P , 711
Brockhouse, B. N., 709
Brockington, C. F., 133
L. H., 355, 356, 361
L. W., 671
Brockis, J. G., 115
Brocklehurst, R. J., 48
Brockless, G. F , 307
Brockman, E. P., 289
R. St. L., 404
Brocks, A. W., 476
Brockway, K. N., 1003
Broderick, T. S., 1234, 1236
Brodersen, G. L., 632
Brodiansky, N., 188
Brodie, J., 525
J. B., 706
M. B., 516
U. Z., 185
Brody, H. P., 403
Brodziak, I. A., 805
Broe, J. J., 797
Broekhuysen, G. J., 863
Brogan, D. W., 69, 80
Broido, A., 913
Bromhead, P. A., 103
Bromiley, Rev. G. W., 55
Bromley, A. A., 537
J. F., 32, 33
J. S., 370
P. M., 313
Brommert, J. W., 910
Bromwich, J. I., 65, 82
Mrs. R. S., 61
Brondsted, Prof., 181
Bronner, F. J. L., 625
Brook, A. J., 1108
F., 135
G. L., 311
Mrs. R. G., 1107
Rev. V. J. K., 357, 370
Brooke, B. N., 33
C. N. L., 78
C. V., 574
D , 145
K., 409, 533
M , 252
M. S., 773
N. S , 102
Brookes, A. J., 70
A. M P., 71, 82
B. C., 239
R. C., 152
R. H., 845
Brookfield, H. C., 196
R. W., 152, 153
Brookman, Hon. N., 765
P. E., 138
Brooks, E. F. J., 714
F. T., 76
F. W., 446
G. R , 200
H. F., 195
J. H., 71
J. L., 401
J. W., 672
K. R., 459
L. H., 323
P. C., 788
W. D. W., 280
W H., 306
W. P., 35
Broom, J. C. W., 676
Brooman, F. S., 45
Broomhead, I. W., 61
R., 134
Broster, L. R., 257
Brotherton, A. C. T., 1072
C., 143
Brott, A., 617
Brough, J., 229
J., D.Sc., 428
P., 808
Brouillet, I., 650
P., 596
Brovedani, J. H., 680
Brow, G. R., 612
Brown, Dr., Camb., 41
Mrs., 1085
A., 510
A., Canada, 715
A., M.B., 1094
A. B., 344, 353, 369
A. J., 125, 140
A. J., F.R.C.S., 494
A. W. A., 735
C. A., 50
C. C., 230
C. M., 320
D., 841
D. A., 829
D. D., 52

Brown, D. J., 137
D. J., Ph.D., 767
D. M., 571
E., 622
E. H., 200
E. H., M.Sc , 240
E. H. P., 216
E. J., 123
E. M., 307
F., 424
F., B.Sc., 216
F. G., 228
F. J., 316
F. R., 527
G., 505
G., B.Sc., 634
G., M.S., 773
G. B., 243
G G , 701
G. L., 243
G. M , 432
G. M., M.D., 675
G. M. A., 436
G. W., 706, 721
H. J , 786
H. P., 768
I. E., 129
J., 517
J. C., 128
J. G., 779
J. J. M., 491, 493
J. M., 110
J. McC., 634
K. P., 491
K. S. M., 803
L. D., 518
L. G., 256
L. J., 914, 915
L. J., Canada, 697
L. M., 372
L M., Ph.D., 486
M., 974
M., Austral , 784
M., N.Z., 831
Mrs. M., 573
Margaret, 913
M. A., 115
M. B., 524
M. E., 70, 85
M. H., 713, 717
N., 665
N., B.A., 616
N. J., 50
N. M., 398
N. R., 659
P. P., 208
P. S., 237
R., 124
R. A., 1094
R. C., 243
R. D., 771
R. F., 130, 409
R. H. J., 70
R. J., 538
R. K., 573
R. K., Ph.D., 550
R. M., 515
R. M., B.Sc., 569
R. S., 722
R. W., 635
Brown, T., 487
T. A., 442
U. M., 372
V., 109, 120
V. A., 839
V. R., 724
W., 198
W. F., 536
W. G., 718
W. H., 714
W. H., M.A., 722, 724
W. M., 537
W. M. C., 491
W. O., 535
W. R. L., 477
Browne, A. D., 71, 81
B. C., 65, 84
D., 397, 399, 406
G. S , 772, 782
J. S. L., 612
Rev. L. E., 130
M., 487
O. T. D., 1237
R. A , 420
R. C., 114
S. J., 224
T. G., 1248
W. R , 808
Browne-Wilkinson, V., 46
Brownell, C D , 812
G. McL., 633
Browning, A., 505
C. H., 509
H. M , 336
R., 238
R., M.A., 502
T. O., 761
Brownlee, B. K., 635, 637
G., 210
T., 773
Brownlie, A. F., 139
Brownlow, Lord, 445
Brownrigg, E. K., 49
Bruce, A. N., 487
C. E. H , 538
D. B., 470
E. L., 680
F. E., 200
F. F., 397
F. M., 517
G. G., 474
I. M., 427
J., 481, 491, 493
J. A., 493
J. R., 151
M., 405, 408
M. B., 154
N. G., 568
R., 427
R. R., 723
W., 610
Bruchési, E., 649
J., 596, 649
Bruckshaw, J. McG., 202
Bruell, Abbé H., 907
Bruford, W. H., 485, 497
Bruges, E. A., 508
Brumfitt, J. H., 368
Brumwell, J., 116
Mrs. N. E., 116
Brundret, J. C., 163
Brundrett, D. S., 619
Brundritt, E., 227
Bruneau, A. S., 611, 620
J., 648
P., 596
Brunel, J., 645
Brunet, E. D , 666
J., 664
M., 663
Brunner, E., 1074
Brunnschweiler, D., 325
Brunt, Sir D., 202
P. A., 522
Brunton, C. E., 146, 150
D., 110
J. A., 428
Brust, J., 130
Bryan, P. W., 452, 453
W. H., 788
W. W., 787
Bryan-Brown, A. N., 369
Bryans, H. L., 720
Bryant, H. M., 372
L. R., 722
Bryce, J. C , 504
T. E , 695
W. A., 567
W. A., B.A., 721
Bryden, R. J., 723
Rev. W. W., 721
Bryson, J. N., 358
Buchan, A., 525
H. A., 504
J , 518
Buchanan, A. S., 771
C., 503
D., 372
D. E., 830
E., 974
G., 918
G. L., 503
K. M., 1093
R. O., 216
T. K., 525
Buchdahl, G., 773
Buchthal, H., 190
Buck, F. E., 571
F. H., 730
Buckingham, F., 311
R. A., 242
Buckland, D. C., 566
Buckle, D. F., 776
Buckley, G. E., 736
H. E., 310
J. J. C., 299
J. W. A., 136
R., 873
R., B.Sc., 452
Budden, E. S., 392
K. G., 69, 82
L. B., 144
Budholia, K. K., 1018
Budtz-Olsen, O. E., 863
Bueno de Mesquita, D. M., 360
Builder, G., 799
Bujila, G., 690, 693
Bukhari, S. A. W., 999
Bülbring, E., 354
Buldeo, R. G., 1017

Buley, J. V., 777
Bull, B. M., 426
F. B., 71
H. O., 112
J. S., 637
K. R., 446
M., 446
M. M., 61
P. C., 199
Bullard, E. C, 356
Bulleid, A., 258
C. H, 343
Bullen, F., 626
K. E, 799
Bullivant, R. F T, 400
Bullock, A. L. C., 349, 364
E., 505
E. J, 253
G., 323
K., 319
M., 472
T. W. I, 70
Bullough, G, 208
W S, 343, 401
Bulman, O. M. B., 66, 83
R. S, 847
Bulmer, E., 30, 31
Bulteau, G. M., 646
Bundell, J. H., 817
Buning, T, 880
Bunker, G. A. S., 446
Bunn, D., 124
Bunnett, J. F, 238
Bunney, H., 494
Bünning, Prof., 331
Bunning, E., 1069
Bunton, C. A., 238
Buradkar, M. P., 1018, 1020
Burawoy, A., 323
Burbidge, P. W, 841
Burbury, S. C., 812
W. M., 319
Burch, C. R., 47
Burcham, W. E., 68, 82
Burchardt, F. A., 352, 363, 384
Burchell, E M., 909
F. P., 871
Burchnall, J. L, 102
Burdon, R. S, 759
Bureau, J. A., 599
Burfield, S. T., 151
Burge, I. C, 791
Burgen, A. S. V., 607
Burger, F. J, 861
Burges, N. A, 797, 806
Burgess, A. H., 252
J. F., 612
W. L., 526
Burghley, Lord, 520
Burgoyne, J. H., 199
Burhop, E. H. S, 242
Burk, J. D., 707
Burke, C. A., 1243
C. E., 629
H. E., 612
J. T. A., 773, 794, 815
P. W., 722
Burkhardt, G. N., 310, 327
Burkill, H., 400
Burkill, J. C., 67, 80
Burkin, A. R., 457
Burkitt, A. N. St. G. H., 796
M. C., 61
Burland, G. D., 531
Burleigh, Rev. J. H. S., 483
Burman, J. C., 35
Burn, A., 812
A. R., 502
J. H., 354, 358
Mrs. S. G., 1026
W. L., 110
Burnaby, Rev. H., 64, 77
Rev. J., 64, 74, 83
Burnet, F. M., 778
J. F., 79
J. R., 709
W., 401
Burnett, D., 896
G. M., 23
J. H., 345, 363
W. F., 512
Burney, S. H., 1027
Burns, A. C, 338
A L., 774
B. D., 607
B. H., 279
C., 111
C. L. C., 32
C. W., 636
D. G., 126
Rev F. L., 690, 691, 693
G, 835
J. H., 473
J H, B.A, 634
J W., 735
P. L, 537
R. H., 791
W, 257
Burnside, K. B., 779
Burr, E. G, 610
J., 157
R. C., 676
Burras, E. M., 136
Burrell, G. J., 812
J M., 474
R. O., 637
W. G., 516
Burrill, L. C., 111
Burrough, J. E., 1098
Burroughs, G. E. R., 35
Burrow, H., 227
M. D., 607
T., 355, 358
Burrows, B., 452
B. B. B., 28
E. M., 145
H. J., 276, 297
H. R., 870
L., 861
L. R., 817
W. R., 447
Burstall, A. F., 109
Burston, W. H., 184
W. R., 156
Burt, A. H., 570
D. R. R., 524
H., 134
H. A., 287
Burton, A. C., 737, 738
Burton, C. G., 22
C. M., 840
E. A., 840
E. F., 730
G. L., 618
H., 440
H, Austral., xxx, 822
H., D.Sc, 213
J. A. G., 511
J. C. G., 53
K., 402
K. M. P., 65
P. R, 35
R. C C., 843
R. W. B., 365
W. R., 334
Burtt, E. T., 58, 112
J. K., 834
Burwash, I. V., 550
Bury, J. P. T., 66, 76
Busbridge, I. W., 349, 372
Busby, E. D, 738
O. M., 431
Busch, L. V, 722
Bush, H. D, 400
S F., 872
Bushell, W C., 617
Bushnell, G H, 520
G H. S, 91
Busia, K. A, 1090
Bussell, A C., 810
Bussière, E, 595
Bussières, J. M., 594
Busteed, J., 1250
Buston, H W., 198
Busuttil, E., 1086
Busvine, J. R., 299
Butchart, H. J., 469
J. D., 796
Butcher, A. C, 801
E E., 46
R. W., 630
Butland, G. J., 26
Butler, C. C., 315
C G., 307
E. C., 265
E. M., 66
F. G, 909
Sir F. G. A., 207
G., 108
G. C., 713
H., 61
I. A., 796
J. B., 251
J. B., Dublin, 1247
J. R. M., 67, 83
K., 23
L., 710
L. H., 357, 369
Sir M. S. D., 80
O. I., 401
P. F., 426
P. F, Austral., 761
P. M., 316
R., 324
R. D'O., 357
R. D. W., 32
T. J., 52
W. B., 1235
Butlin, N. G., 797

Butlin, S. J., 797, 807
Butson, A. R. C., 236
Butt, J. E., 109
Butter, P. H., 484
Butterfield, H., 67, 80, 512, 1238
H. C., 44
Mrs. J. R., 704
Mrs. M., 447
Butters, P. P., 341
Butterworth, D., 338
J B., 344, 353, 364
Buttle, D , 309
G. A. H., 235, 276
Button, L. G., 442
Buxton, Rev. B., 781
C. R., 324
E. J M., 364
E. W., 550
G., 662
J. B., 227
J. C , 338
N. St. J. G D., 262
P. A , 299
Buyers, J A , 506
Byard, H , 47
Bycroft, J., 397
Byers, A R., 690, 692
Byett, J. D., 54
Byrd, E. C , 321
K. F., 609
Byrne, J. J., 1235, 1237
Bywater, T. L., 473, 476

CABANA, J. E., 648
Cade, R., 1099
Sir S., 289
Cadham, F. T., 635
R. G., 635
Cadieux, J., 686
Cadle, E. A., 1093
Cadman, W. H., 355
Cadoux, T. J., 426
Caesar, A. A. L., 66
Caffrey, M., 1247
Caffyn, J. E., 103
Cahill, K. M., 326
Cahn, A. J., 771
Cain, A. J., 352
B. N., 546
R. F., 702
Cains, H. L., 786
Cair, S. H., 53
Caird, S., 507
Cairns, A. D., 549
D. S., 474
G., 724
G. E., 551
Sir H. W. B., 355, 358
J. F., 772
L. Y., 551
T., 908
Caldecote, Visct., 71, 79
Calder, E. A., 1097
J., 556
J. W., 847
M. G., 249
W. M., 366, 367
W. M., LL.D., 483
Calderbank, P. H., 239
Calderwood, N. I., 27
Caldin, E. F., 124
Caldwell, A. F., 1083, 1085
A. G., 723
J , 440
M., 550
M. C., 127
Caleb, I. D., 937
Calhoun, W. P , 562
Callaghan, Rev. J., 1251
Callam, W. D. A., 492
Callan, E. McC , 1103
H. G , 524
N. R , 222
R F., 699
Callard, K. B., 605
P., 442, 443
Callaway, A. C., 852
Callen, E O., 619
Callendar, M. H., 53
Callender, S. T. E., 354
Callow, H. J., 138
Calma, I , 150
Calogero, G , 607
Calov, W. L., 803
Calthrop, M. G., 184
Calver, C M., 509
Calvert, B., 829
E. L., 535
F. I., 101
G. G., 838
Mrs. L. I. M., 21, 531
N. G., 152
Cam, H. M., 85
Cambitoglon, A., 238
Cameron, A., 470
A. E., 486, 488, 496
A. F., 616
A. H., 115
B. D., 822
C., 491
C. R., 477
D., 558
D. A., 693
D. A., M.D.S., 804, 805
D. E., 615
D. G., 612
E., 280
E. C., 780
E. G., 676
E. L., 147
E. R., 508
G. C., 716
G. E., 643
G. M., 829
G. R., 286, 287, 288
H., 546
H. F., 637
J., 547
J. C., 674
J. D. S., 492
J. F., 77
J. M., 128
J. R., 492
K., 126
K., B.A., 399
M., 690
M. A., 568
R. B., 557
R. G., 817
Cameron, R. J., 822
T. W. M., 619, 665
V., 603
W. M., 574
Camille-de-Jésus, Sr., 651
Camm, G. L., 314
W. C., 26
Cammaerts, E., 53, 222
Campagna, E., 590
Campbell, A., 347
Sir A., 440
A. B , 582
A. C. P., 319, 490
A. D., 506, 512
A. D., M.D., 613
A. D., M.Sc , 828
A. H., 357, 488
A. L., 765
A. M. G., 49
A. N., 631
C., 708
C., D.Sc., 310
C. A , 505
C. G , 487
D., 507
D , B.A., 448
D., M.D., 475, 478
D. D., 558
D. E., 534
D. W., 773
E. D., 850
E. F., 801
E. M. J., 196
F J H., 737
F. W., 506
G. A., 665
H., 114
H. H., 495
I. D., 844
I. E., 391
I. G. M., 457
I. L., 850
I. M., 503, 506
J., 715
J. D., 549
J. G. C., 518
J. G. D., 582
J. J. R., 567
J. M. H., 259
J. S., 672
J. T., 844
J. W., 551
K. I., 778
M., 157
M. O'N., 1091
N., 482
N. E. R., 635
P. S., 582
P. W., 313
R., 485
R. M., 473
R. S. F., 507
S. B. B., 535
S. G., 75
T. D., 697
T. D., D.Sc., 760
W. A., 675
W. A. B., 535
W. B., 604
W. G., 527

Campbell, W. R., 714
Campbell-Allan, D , 840
Campbell-Brown, K., 789, 791
Campbell-Smith, C., 823
Camphill, M., 53
Camps, F. E., 264
W. A., 63, 80
Canada, Gov.-Gen. of, 603
Canart, P. L. J. G., 773
Canavan, M. M , 157
Candy, H. A., 869
Cann, R. J., 259
Cannell, R. L., 48
Cannon, H. G., 316
Mgr. W., 602
Canny, A. J., 790
Cano, J., 707
Cant, M., 304, 306
Rev. R. E., 104
R. G., 523
W. H. P , 32
Canterbury, Archbp of, 251, 253, 588
Cantin, M , 596
S., 592, 594, 596
Cantle, G. S., 324
Canton, W. V., 460
Cantor, M. M., 556
Cantwell, Rev. W. J., 805
Caomhánach, S., 1251
Capell, A., 797
Capelle, P., 572
Capewell, J. G., 241
Capildeo, R., 242
Capon, N. B., 152, 153
Cappell, D. F., 510
Capper, P. L., 239
W. M., 51
Capps, F. C. W., 276
Caralasingham, A., 1057
Card, W. I., 490
Cardno, J. A., 809, 813
Cardwell, D., 323
Careless, J. M. S., 706
Carew, S. J., 643
Carey, E. J., 757
M. B., 141
S. W., 813
T., 1251
Cariou, H., 421
Carless, J. E., 319
Carleston, H. H., 103, 104
Carleton, A. B., 354
Mrs. A. B., 344
Carlile, F., 799
Carlill, E. L., 325
Carlsen, A. E., 567
Carlson, A. J., 632
Carlton, H. J., 523
M., 199
Carlyle, A., 52, 409
Carman, J. S., 1004
Carmel, Sr. F., 656
Carmichael, J., 573
J. E., 554
O. C., 545
R., 133
Carnahan, J. A., 850
Carne, H. R., 800, 806
Carnegie, J., 503
Carnell, E. J., 1095
F. G., 346
Carney, Rev. Fr. G., 1097
M. J., 582
Carnochan, J., 231
Caron, Rev. A., 661, 663, 669
Rev. D., 661, 666
M , 647
S., 598
Rev. V., 668
W., 597, 599
Carpenter, D. L., 427
E. H., 390
E. M., 112
E. S., 701
Rev. H J., 370
H. M., 719
J., 35, 38
J , B.A., 207
J. A., 722
N., 137
O , 1091, 1101
Very Rev. S. C., 442
W , 723, 724
Carr, A. B., 712
A. J. H., 418
A. R. M., 357
B , 249
C. T., 522
D. J., 309
J. L., 504
J. L., B.Sc. (Econ.), 392
Mrs. K. M., 135
M. E. J., 274
W., 399
W. D , 512
Carr-Saunders, Sir A. M., 80, 215, 1110, 1231, 1232
Carrad, D. B., 844
Carré, M. H., 47
Carrick, J., 104
J., Canada, 631
R., 472
Carrier, L., 594
L. M., 663
R., 662
Carrière, Rev. G., 667
Carritt, E. F., 368
Carroll, J., 1247
Carrothers, A. W. R., 571
C. C., 735, 736
G. A. P., 630
Carruthers, C. H., 604
J. D., 509
T. G., 136
Carslaw, J., 513
Carson, A. S., 124
J., 403
O. A., 674
Carstairs, A. M., 521
Carsten, F. L., 249
Carswell, J. I., 484
J. M., 632
W. E., 712
Carter, A. C., 390
A. E., 632
A. O., 152
A. V. H., 860
C. F., 64, 77
C. L., 828
Carter, C. W., 345, 366
D. J., 201
E. B., 97
E. P., 980
G., 833
G S., 70, 76
G. W., 137
H , 416
M. N., 574
P. B., 368
P. T., 518
P. W., 415
S R., 23
T E., 835
Cartier, C., 645
P., 645
Cartledge, D. H., 322
Cartmell, E., 457
Cartwright, M. L., 67, 85
R , 772
Carty, Rev P., 1000
Caruana, V., 1086
Carus-Wilson, E. M., 216
Carver, J. K., 616
Cary, M., 191
Casado, F. L., 125
Casaubon, L., 645
Case, F W. E., 1100
I. M , 502
Casely, E., 761
Casgrain, J., 647
Caspersz, U D. R , 1055
Cass, Rev. F. L., 682
J , 184
Cass-Beggs, D N., 711
Cassells, D. G. A., 829
Casselman, H., 662, 667
Cassels, J. W. S., 314
Casserley, Rev. J. V. L., 44
Cassidy, H. M., 719, 726
M. L., 726
Cassie, W. F., 98, 109
Cassirer, H. W., 506
Casson, L. F., 208
Castell, C. H., 579
Castillo, J. L., 70
Castillo-Nicolau, J. del, 243
Castle, E. B., 446, 448
I. M , 150
M. E., 393
Castlehow, S., 788
Castleton, J , 907
Caswell, G H., 197
J. S., 431
Catcheside, D. G., 62, 84
Catchpole, J. R., 136
Cater, D. B., 73
Cates, H. A., 713, 719, 786
Catherine, Sr. M., 656
Cathro, A. J. M., 520
Catlin, Mrs. K. M., 214
Cato, G. C., 871
Caton, E. B., 137
Cattley, R. E. D., 658
Catto, G. A., 496
Catton, W. T., 115
Cauna, N., 113
Causey, G., 236
Cavalli, L. L., 65
Cavanagh, C. M., 654

Cave, A. J. E., 275
H. M., 674
L. M. H., 845
Rev. S., 254
Cave-Browne-Cave, F E., 85
Cavell, E. A., 457
Cavenagh, Mrs. W. E., 29
Caverhill, A R., 843
Cavers, D. L., 861
J. R., 723
Cawkwell, G L., 368
Cawley, A. C., 126
G. M , 200
Cawthorne, T., 261
Cayouette, M., 594
Cayré, F., 602
Cays, F. A., 675
Cayton, H. R., 317
Cayzer, A., 787
Ceadel, E. B., 74
Cecil, Lord David, 347, 364
Cecile de-la-Trinité, Sr., 650
Central Provinces and Berar, Education Minister of, 1040
Governor of, 1014
Centurian, Father, 1049
Černý, J., 239
Ceylon, Gov.-Gen. of, 1054
Min. of Education, 1054
Chabot, J., 664
Chackett, K. F., 101
Chacko, C. J., 929
Chadha, S. R., 958
Chadwick, G. A , 117
Rev. H., 64, 81
J., 323
Sir J , 77
Mrs. M., 110
Mrs. N., 61
Rev. W. O , 64, 85
Chagnon, G., 645
M., 662, 663, 667, 668
Chakko, K. C., 949, 950
S., 993
Chakrabarti, M. C., 956
Chakradeo, A. C., 1019
Chakrapani, K., 949
Chakravarthy, R. S., 1000
Chakravarti, C. H., 1015
D., 962
D. N., 1016
G. D., 1030
N. C., 1017
S. P., 1040
Chakravarty, A. B., 1064
Mrs. N., 974
N. C., 1064
P. C., 1064
Chakravorty, P. C., 1064
Chalam, Mrs. V., 1026
Challfoux, Rev. A., 662
Chalk, D. W., 107
H. H. O., 503
J. T., 201
L., 347, 368
Chalklin, F. C., 836
K. M., 101
Challenger, F., 125
J. H., 49
Challies, Justice, 611
Challinor, H. W., 54
J., 416
Challis, J. H. T., 264
Chalmers, B., 712
B. A., 457
J., 116, 117
J. A., 103
J. N. M., 279
T. A., 150
T. M., 508
W. R., 334
Chaloner, W. H., 310, 313
Chamard, Rev. M., 686, 687
Chamberlain, D., 134
E. N., 153
G. H. N., 124
J. T., 323
N. H., 137
R., 535
R. R. St. C., 758
Chambers, E. G., 69
F. P., 217
J. D., 334
R., 680
R. C., 218
W., 476
W. W., 455
Chammar, A., 1043
Champagne, Rev. J. E., 666, 668
Champenois, G. L., 810
Champernowne, D. G.,352,374
Champion, A., 337, 341
E. C., 835
F. C., 209
H. G., 347, 367, 384
K. S. W., 768
M. A., 34
R. A., 799
Champlin, M. J., 692
Champtaloup, A. Y., 291
Chan, A., 1078
K. P., 1078
Chance, M. R. A., 32
Chand, A. D., 929
G., 971
P., 974
Chandaman, C. D., 505
Chandapillai, A., 993
Chandavarkar, Sir V. N., 1051
Chandler, C. M., 184
F. W., 326
H. W., 697
K. N., 336
S. B., 241
Chandra, H., 980
I., 1040
N., 990
P., 990
R., 975
S., 991
Chandrasekar, S., 947
Chandrasekaran, N., 949
Chandurkar, M. N., 1016
V. U., 1016
Chandy, Miss, 975
P. J., 1019
Chang, H., 566
Chang, K. S. F., 1082
S., 1079
Channmugam, P. K., 1056, 1059
Channabasaviah, K. B. E., 1010
Chant, S. N. F., 565, 572
Chapallaz, M., 243
Chapman, A. W., 397
C. L., 802
D., 150
F. W., 209
G , 222
G. P., 127, 143
H., 264
J. D., 570
N. B., 457
O. W., 831
R., 216
R. M., 840
S., 351, 366, 1046
T. E. D., 1057
V. J., 839
Chappell, G. M., 213
Chapple, H. M., 202
Chaput, G., 648
Rev. R., 664, 668
Charal, S., 26
Charan, A., 989
Chard, F. de la C., 48
S. J. H., 425
Chargaff, E., 41
Chari, K. V., 1023
N., 1025
R. V., 1025
Charland, G., 648
Rev. R. M., 664
Charles, A. H., 278
E., 33
Rev. H. J., 411, 422
Mrs. H. S., 1003
M., 1026
R. H., 440
Charleson, C., 527
Charlesworth, E. H., 631
J., 110, 112
J. K , 533
J. S., 558
Rev. M. P., 63, 81
Charlewood, G. P., 913
Charlton, B. B., 790
D. G., 446
G. J., 237
H. B., 311, 331
J. M. T., 455
Charman, J. H., 583
Charnley, J., 321
Charpentier, J. L., 648
Charron, E. H., 648
Y., 646
Charvet, P. B., 65, 76
Chase, F. E., 722
Rt. Rev. G. A., 82
Chater, E. H., 415
Chatgidakis, C. B., 911, 913
Chattaway, F. W., 183
Chatterjee, C., 1017
Chatterji, A., 992
A. C., 990
B. N., 992

Chatterji, B. R., 929
C., 989
C. D., 991
G. C., 1040
N. C., 994
N. C., Patna, 1031
N. L., 991
S. K., 963
S. K., M.Sc., 1051
Chatterton, J., 338
Chattopadhay, K. P., 962
Chattopadhyaya, S. K., 1049
Chaturvedi, B. N., 990
I. R., 994
S., 991
S. P., 1020
S. R., 928
Chaubal, V. B., 1018
Chaube, K. P., 1016
Chauby, S. L., 975
Chaudhari, V. R., 1017
Chaudhry, K. P., 989
Chaudhuri, N. R., 972
Chaudhury, F. A., 1065
N. N., 975
Chaundy, T. W., 349, 359
Chavy, P., 579
S. J. M., 579
Chawla, S. S., 972
Chaytor, R. G., 113, 114
Checkland, E. O. A., 150
S. G., 146, 150
Cheeseman, E. A., 536
Cheesman, D. F., 193
G. H., 390
Cheetham, G., 24
R. S., 868
W. R., 28
Cheke, V. E., 393
Chelvanayagam, V., 1056
Chen, S., 1078
Cheney, C. R., 313, 342
Cheng, S. Y., 1078
Chenhall, F. N., 802
Chennakesavan, B., 998
Mrs. S., 999
Chenoy, F. N., 1026
Cherian, M. C., 1004
Cherniak, L., 636
Cherrington, P., 53
Cherry, E. C., 200
R. O., 775
T. M., 774
Cherwell, Lord, 350, 359, 368
Cheshire, G. C., 389
Chesney, K., 347, 373
Chester, C. E., 458
D. N., 373
J. A., 253
W., 128
Chesterman, C. C., 268
J. T., 403, 409
Chesters, C. G. C., 333
Chetti, C. D. S., 1001
Chettinad, Rajah of, 947
Chetty, R. K. R., xxix, 1007
Cheung, K. L., 1080
Chevrette, J. E., 590
Chevrier, D., 630
Chew, H. M., 282
Chew, V., 774
Chiari, J., 312
Chiasson, C., 687
L. P., 684
R., 687
Chiat, B., 872
Chibnall, A. C., 75, 95
Chick, O. A., 52
Chidambaram, I. D., 947
Chidambaranatha Chettiar, A., 948, 950
Chidsson, C. G., 654
Chien, C. K., 610
Child, E. M., 818
P. A. G., 704
Childe, V. G., 181
W. R., 126
Childs, C. B., 486
D. G., 503
E. C., 71
Rev. S., 563
W. H. J., 495
Chilton, C. W., 445
J., 336
Chilver, G. E. F., 348, 366
Ch'in, G. S., 230
Chinchalkar, S. W., 1019
Chinnathambi, D., 949
Chinneck, Rev. S. T. E., 442
Chinner, J. H., 773
M. E., 760
Chinnery, J. D., 230
Chinoy, E., 709
J. J., 971
Chintamani, K. N., 948
Chiplonkar, G. W., 1041
Chipman, R. A., 610
W. N. A., 607
Chiranjivi, D. T., 1004
Chirgwin, B. H., 222, 223
Chirnside, I. M., 832
J., 325
Chisholm, A. E., 525
A. F., 579
A. R., 773
C., 331
D., 517
D., Ph.D., 503
E., 863
J. A., 470, 477
Rev. J. C., 684
M. J. V., 150
Chislett, M. E., 338
Chisti, S. N. R., 1070
Chitale, S. G., 957
Chitaley, Mrs. S. D., 1015
Chitnis, V. K., 957
Chittenden, Mrs. J., 482
Chittick, R., 550
Chitty, D. H., 352
L., 200
Chiu, B. T., 1078
Choa, G., 1079
Chodat, W. H., 698
Choksi, R. D., 958
Cholette, A., 592
A. M., 648
Chong, F., 799
Chopra, B. N., 980
R. P., 972
Choquet, Prof., 162
Choquette, F., 597
L., 619
Justice P. A., 602
R., 662
Chorghade, V. K., 1016
Choudhary, B. D., 1031
D. P., 1030
Choudhry, K. D., 1065
Choudhury, A. M., 1065
G. W., 1064
M., 974
M. A., 1065
P. R., 1029
S. S., 1030
Chowdhary, P. K., 1030
Chowdhury, H. P., 989
K. C., 1063
K. P., 975
K. R., 989
N. K., 989
R. C., 937
S. L., 975
Chowfin, F. H., 994
Chowla, T. P. S., 973
Chown, H. B., 636
Chrabaszcz, J. J., 630
Chrimes, S. B., 505
Christa, B., 776
Christesen, N., 776
Christian, R., 110
Christie, A. B., 153
C. V., 610
G. H., 101, 104
G. I., 721
G. S., 779
I. R., 241
J., 335
J. M., 626
J. T., 361
P. S., 584
R. C., 844
R. V., 275
Christophersen, P. H., 1093
Christopherson, D. G., 95, 137
Chrystal, E. M., 85
R. N., 347, 352
Chu, C. C., 667
Chubb, F. B., 1237
J. N., 956
L. J., 241
Chudleigh, G. A., 583
Chumley, J., 515
Chun, D. W. C., 1079
Chung, Mrs. A., 1078
Church, A. E. R., 307
J. W., 712
R. H., 666
Churchill, E. D., 162
Rt. Hon. W. S., 44
Churchill-Smith, H., 579
Churchward, L. G., 776
Chute, A. L., 714
W. J., 578
Cidade, H., 162
Cikuse, H., 231
Cillié, G. G., 901
Cilliers, A. C., 901
A. M. A., 880
C. H., 886

Cilliers, D. H., 891
S. P., 902
Claassens, J. W., 872
Claireaux, A. E., 489
Clancy, N. F., 533
Clandinin, D. R., 553
Clapham, Sir A, 181
J, 417
Clapton, G T, 126, 409
Clar, E, 503
Clare, C, 179
E, 641
Sr. R, 684
R. M, 556
S, 553
Claremont, L E, 52
Clarence, N D, 870
Clarisita, Sr M, 656
Clarissa, Mother M, 1001
Sr M, 1004
Clark, A. M, D Phil., 484
A. M, M B, 511
A. M, M Sc., 777
A. R, 573
B. M, 886
C. A H, 460
C. H D., 124
C. M H, 784, 822
C R S, 836
C. W., 637
D J., 788
Mrs E B, 634
E. H., 767
E. R, 125
Rev. F H H, 79
Mrs G, 680
G. L., 192, 434
G. N., 178, 356, 365
G. O, 469
G S R. K, 66, 83
H, 873
H F., 146, 390
H G., 228
Mrs. H H., 112
J. B., 862
J. G., 526
J. G. D., 61
J. M, 504
J M P, 135
J O, 824
J. R, 490
Sir K, 784
K. A, 554
K. G T., 126
L. H S., 292
M. R. M, 513
N. S, 474
P. M, 149
R., 884
R. H, 632
R. H., Ph.D, 567
R. J., 573
R. S., 459
R. T. R, 34
S., 690
S. D., 709
T. H., 606
T. W., 229
V. M., 78
V. R., 847
Clark, W. A., 108
W E. Le G., 117, 344, 361
W. G, 490
Clark-Kennedy, A. E., 76, 264
Clark-Lewis, J. W., 333
Clarke, B. R., 536
C A, 153
C. C., 110
C. H., 910
D., 617, 620
D A., 200
D. B., 697, 698
E. A., 852
E. G. C., 227
Rev. E. M, 684
E. W., 400
F, 222
Sir F, 183, 184
G. E, 682
G R, 353, 365, 368
Rev H L., 463
H. M, 208
H. O., 265
Mrs I, 479
J J, 146, 245
J L, 666
J R, 400
K, 445
L C. G, 84
L E., 242
L. T, 30
M, 575
M. E, 813
M. G, 325
M L, 420
P F., 723
T. R, 555
W. S, 325
Clarkson, Canon W. W., 588
Classe, A., 504
Claude, A, 41
Clausen, R J, 256
Clawson, W H, 703
Clay, Sir H., 389
J W, 558
Claye, A. M., 132
H, 60
Clayfield, E J. P, 780
Claypole, B. M., 325
Clayson, D. B., 133
Clayton, F W., 440
G, 146
K M., 335
S. G., 261, 292
Clear, T, 1247
Clearkin, P. A., 538, 540
Cleary, E. J., 431
Clegg, F E., 421
F. R., 738
H. A., 374
H. L., 447
J A, 315
Cleghorn, R. A., 612, 613, 615
Cleland, K. W., 796
Clemens, W. A., 574
Clement, B. D., 568
H. A., 75
M., 647
W., 510
Clément, H., 596
Clementi, D. R., 371
Clements, C., 417
W. M., 213
Cleminson, A R., 450
Clemo, G. R., 108
Clemons, A. B., 910
Clendinnen, A. G., 34
Clerkin, P., 534
Cleveland, A R., 507
Cleverdon, R. K., 711
Cliche, E, 599
Clifford, E. A. H., 53
M. H., 74
W. M., 213
Clifton, F, 50
Climo, R M, 680
Clinch, P. E M., 1245
Clissold, P C. H, 460
Cloake, P. C. P, 31
Clodman, O., 712
Clokie, H McD, 633
Close, R J, 762
Closs, A M., 46
H, 53
Clothier, W E, 834
Cloudsley-Thompson, J. L., 210
Clouston, D., 476
Cloutier, Rev. G, 662, 663, 667, 668
J B, 596
L., 663, 669
L, D Sc., 591
R, 590
R Q M., 805
Clover, M., 85
Clovis, A, 947
Clow, W. H. A, 558
Clowes, F. A. L., 345
H. M., 289
Cluver, E. H., 914
Coady, B K, 578, 583
Justice J. M., 571
Rev M M., 685
Coase, R. H, 216
Coates, A. E, 779
F., 541
G E, 45
H. J, 168, 307
R. C., 334
Coatman, J., 524
Coatsworth, H. R., 706
Cobb, J. H., 404
Cobban, A. B. C., 241
Cobbe, A. P, 371
Cobbledick, D. W., 551
Cobham, Rev. J. O., 29
Coblans, H., 869
Cobley, J. F. C., 803
L. S, 1107
Coburn, K. H., 704
Cochran, A. B., 843
W., 69
Cochrane, C., 506
D., 772
D. G., 877
G. R., 789, 791
I, 517
Mrs. J. A., 643
R. G., 1004

Cochrane, R. H., 847
W., 202
Cockburn, A. M., 485
C., 218
C., M.B., 475
J. R., 711
K., 836
Cockcroft, Sir J. D., 356, 868
W. H., 472
Cocker, J. P., 135
R., 261
W., 1234, 1249
W. H., 839
Cocking, J. M., 208
Cocks, Rev. H. F. L., 54
Cockshutt, M. E., 720
Cocozza, E., 505
Codrington, K. de B., 181, 229
Coe, H. C., 775
Coertze, L. J., 883
P. J., 882
Coetsee, A., 900
Coetzee, A. J., 907
J. A., D Phil., 891
J. A., M.A., 876
J. C., 892
J. F., 876
J. H., 893
P. C., 879, 881
Mrs. W. H. K., 900
W. N., 893
Coey, M. S., 100
Coffey, A., 664
P., 1250
T. H., 738
Coffin, C. C., 578
T. H., 580
Coggan, Rev. F. D., 254, 255
Coghill, E. H., 777
N. H. K. A., 347, 360
Cohen, H., 29
H., M.A., 109
Sir H., 153
L. J., 486, 523
M., 611
R. L., 64, 85
Sir R. W., 236
S., 907
S. J., 913
Y., 1084
Cohn, E. J., 41
E. S., 359
N. R., 504
Cohne, M., 1094
Coish, H. R., 633
Coke, L. R., 636
Coker, J. A., 222
Colbert, J., 1245
Colborne, D. C., 110
Coldicutt, E. B., 773
Coldman, Rev. A. T., 97
Coldstream, W. M., 237
Coldwell, B. B., 618
Cole, A. S., 48
A. V., 521, 526
B. N., 25
D. T., 908
E. B., 152
E. H., 201
E. R. F., 144
Cole, F. L., 717
G. D. H., 351, 357, 374
J. W., 703
M. M., 909
R. H., 736
Coleclough, J. E., 446
Colefax, A. N., 800
Coleiro, C., 1087
Very Rev. E., 1086
Coleman, A. J., 707
A. M., 208
I. W., 631
P. J., 798, 818
Rev. W. R., 563, 721
Coles, J. D. W., 884
Colgrave, B., 102
Colhoun, J., 535
Coll, F., 1253
Collar, A. R., 48
Collard, E. G., 698
Collas, J. P., 222
Colledge, E., 147
Collet, G. P. L., 102
Collie, C. H., 350, 359, 364
Collier, D. G., 427
D. J., 272
F., 312, 327
H. B., 549
R. J., 658
Collieu, E. G., 349, 359
Collin, W. E., 736
Collinge, B., 149
J. S. H., 156
N. E., 101
Collins, A. J., 803
A. S., 451
C. W., 834
Mrs. D. A., 1078
D. C., 440
D. H., 132
E., 1078
E. A., 546, 547
E. G., 475
Mrs. F. D. O., 447
H. J., 239
Mrs. J. W., 126
M., 487
P. A. W., 453
R. W., 551
T. G., 812
W., 200
Z., 574
Collinson, W. E., 147, 148
Collip, J. B., 738, 739
Collis, J. L., 33
W. R. C., 1238
Collum, J. D. L., 673
Collyer, C., 127
W. F., 261
Colman, J. S., 151
Colmar, G. C., 470, 477
Colmer, J. A., 1107
Colomb, R. E., 27
Colombo, J., 1086
Colquhoun, J., 402
Colsen, K., 913
Colter, J., 697
Coltham, J. B., 325
Columba, Rev. Bro., 326
Colville, A., 654
Colvin, H. M., 367
J., 143
Colwell, W. G., 582
Combe, T. G. S., 65, 80
Comber, N. M., 130
Combridge, J. T., 207
Comeau, J. V., 687
Comfort, C. F., 702
Comline, R. S., 61, 69
Commerel, J., 865
Common, R., 485
R. H., 618
Compton, K. T., 205
R. H., 860
Comrie, A., 496
A. M., 518
Conacher, D. J., 690
F., 527
J. B., 706
S. G. F., 525, 526
Conaghan, R. H., 533
Concannon, Mrs H., 1243
Condie, R. H. B., 23
Condliffe, J. C., 833
Cone, W. V., 613
Conigalton, A. A., 844
Conn, G. K. T., 400
H. G., 672
Connal, E. A. M., 509
Connaughton, M., 780
Connell, Mrs. H., 250
K. H., 220, 374
P. H., 869
W. F., 675
W. F., Ph.D., 772
W. K., 502
Connelly, C. J., 441
Conner, J. W., 722
Connor, R. D., 487
Conolly, A. P., 451
Conomy, A. B., 803
Conradie, D. J., 901
Conroy, F. D., 557
T. A., 1250
Cons, G. J., 306
Convey, J., 663
Conway, A. W., 1249
E., 502
Mrs. E., 514
E. J., 1248
F. C., 451
J. E., 569
V. M., 409
Conybeare, C. E. B., 633
Sir J., 259
Conzen, M. R. G., 110
Coogan, T., 331
Cook, A. B., 80
A. F., 458
A. H., 205
A. J., 551
A. L., 705
E. O., 634
F., 259, 292
G., 508
I. J., 1102
J. W., 503
L. G., 402
P. M., 508
R. M., 63

Cook, R. P., 524
R. W., 695
W. C., 845
W. F., 258
W. R. I., 425
Cooke, A. C., 570
A. H., 350, 364
A. M , 354, 363
C , 321
C. A., 363
G., 1057
J. C., 1083
J. E., 581
M. B., 847
M. E., 421
R. G., 771
R. G., D.Sc., 196
R. V , 51
S. R B , 833
W. T., 30
Cookson, I. C., 771
J , 487
Coomber, S. E , 201
Coombes, A. H. R., 1079
A N., 1106
Coombs, J. S , 830
R. R. A., 79
Cooney, E. W., 433
Coop, I. E., 847
Coope, R., 145, 150, 153
Cooper, A. G , 580
B , 71, 75
C. G., 788
D. W., 107, 109
E. R. A., 308
F. C., 333
G. M., 397
J. H., 618
J. I., 606, 698
J. L. B., 196
J. P., 357
J. P., B.Sc., 418
K. E., 51
M. E , 910
M. McG., 251
R. E., 956
R. H., 533, 538
R. I. B., 65
S. B , 865
W M., 308, 313
Cooray, G. H., 1057
Cope, F. W., 455
F. W., M.Sc., 1103
Copeland, J. L., 1093
Copland, Sir D. B., xxix, 754, 767
R. I , 835
Copp, E. J. R., 800
J. L., 521
Coppen, H. E., 184
Copping, A. M., 213
G. A., 612
Coppleson, V. M., 804
Coppock, Mrs. D., 249
D. J., 311
Copson, E. T., 523
Corbella, Rev. J. M., 957
Corbett, A. H., 788
D. C., 658
H. M., 723
Corbett, J. E., 862
J. P., 358
M. A., 774
P., 534
P. B., 398
P. E., 220
P. M., 712
R E., 828
R. S., 276
Corbishley, Rev. T., 371
Cordiner, A. D., 516
Cordingley, R. A., 309
Cordner, E P., 780
Corfiato, H. O., 237
Cork, D J., 135
S. F., 721
Corkey, J A., 536
Rt Hon. Rev. R., 538
Corlett, A. V , 674
J. F., 505
W. J., 244
Corlette, E. L., 803
Cormack, A. M., 863
G. A., 319
J. M R., 390, 394
R G. H., 549
W., 911
Cormier, Rev. C., 686, 687
G., 686, 687
Br. O., 686
Cornelius, J. T., 1004
M., 1004
Cornell, J. G., 757
P., 547
Cornellier, Rev. P., 668
Corner, B., 49
E. J. H., 62
W. D., 103
Corney, E R., 757
Cornfield, A. H., 199
Cornford, C. F., 107
Cornish, E. A., 758
E. C., 780
R. J., 324
R. T., 240
Corns, W. C., 553
Cornwall, I. W., 181
Cornwell, S. V P., 45
Corona, Sr. M., 656
Corrie, J. M., 470, 477
Corrigan, B. M., 707
C. E., 637
T. H., 1235
Corriveault, G. W., 591
Corry, D. C., 355
J. A., 674
J. S., 508
Corson, J. C., 494
Cortejoso, L., 29
Cory, W. W., 680
Cosble, W. G., 714
Cosens, C. R. G., 71
Cosgrave, Rev. F. H., 732
Cosh, J. A., 50
Cossar, J., 485
Cosser, Rev. W., 895
Cosslett, V. E., 68
Costigan, E. B., 1251
Cotchin, E., 228
Côté, E. H., 649
Côté, F., 666
F. H., 668
F. J., 724
J. C., 602
J. G. E., 602
Rev. P., 667
Cott, H. B., 70, 82
Cotter, G., 632
J. R., 1242
Cottle, A. B., 46
Cotton, F. S., 799
H., 334
V. E., 144
Cottrell, A. H., 27, 42
G. E., 54
Couillard, E., 598
Coulson, C. A., 209, 342
J. G., 619
J. M., 199
Coult, D. A., 145
Coultas, H. W., 25
Coulthard, E. M., 325
T. L., 565
W. B , 568
Counsell, E. M., 605
Coupal, J. L., 665, 666
Coupar, A. J. W. R., 523
Couper, M. M., 485
W. M., 616
Coupland, Sir R., 374
R. T., 692
Court, G. L., 701
S D. M., 113
W. H. B., 24
Courtice, H. A., 711
Cousin, D. R., 400
Cousineau, R., 667
Cousins, D., 22
J. H., 1046
Cousland, Rev. K. H., 733
Coustenoble, H., 243
Coutts, H. T., 550
J. A., 46, 1234, 1237, 1240
J. R. H., 871
M. C., 709
W. A., 481, 494
Coutu, A., 645
Couture, E., 666
Rev. R., 662
Coveney, P. S., 329
Coventry, A. F., 710
Coverlid, D. R., 774, 784
Cowan, C. D., 232
D., 230
Mrs. D., 112
F. W., 828
H. J., 401
I. M., 574
J., 317
R. W. T., 780
T. K., 828
W. A., 736, 757
Coward, K. H., 235
N. B., 382
Cowell, M. A. C., 154
S. J., 286
Cowen, D. V., 862
Z., 353, 365
Cowey, J. B., 112
Cowie, A. T., 394

Cowie, G. R., 531
M. A., 570
Mrs. M. L., 570
Cowley, L. D., 343
Cowling, M. M., 773
T., 717
T. G., 128
Cox, A., 914
A. D. M., 349, 368
A. E., 496
A. H., 430
Sir C. W. M., 364, 1232
E. G., 124
G. A., 851
H. H., 350, 362, 366
J. S., 55
J. W., 127
L., 568
L. B., 779
M. A., 717
M. D., 313
R. G., 311
R. H., 572
R. I., 483
R. R. S., 400
Coxeter, H. S. M., 707
Coxon, A. H., 483
Crabbe, J. R., 1098
Crabtree, M. G., 771
N. L., 30
Craddock, F. W., 832
Cragg, E. F., 581
J. B., 103
L. H., 625
R. C., 569
Craggs, J. D., 152
Craig, Rev. A. C., 502
A. J., 1087
A. J. M., 102
C., 610
D. P., 238
F. V., 537
G. M., 706
G. Y., 485
H., 42
J., 474
J. D., 398
M., 974, 976
R. A., 771
R. C., 481
T., vi, xxxi
W. D., 1082
W. S. M., 132
Craig-Cochrane, J., 913
Craigie, E. H., 710
Crake, J. E. A., 653
Cramb, M., 474
Crampton, E. W., 618
M. H. St. C., 758
Cran, J. A., 760
J. E., 812
Crane, A. R., 810
F. R., 335
M. B., 306
M. E., 448
Cranfield, Rev. C. E. B., 103
J. D., 489
Crang, A., 54
Crangle, J., 400
Cranston, J. A., 516
Cranston, J. P., 314
Craster, Sir H. H. E., 357
Craven, D. H., 901
M. B., 323
Crawford, A., 150
A. B., 516
C. B., 1241
D. P., 654
D. V., 338
Rev. E. A., 1235
E. C., 780
F. W., 630
H., 790
H. A., 477
J., 697
J. A., 488
J. K., 135
K. G., 674
Mrs. L. A., 572
M. F., 708
O. G. S., 459
R. M., 774
T., 271, 279
T. B. B., 489
V. A., 101
W. S. H., 654
Crawford-Mitchell, Mrs. R., 343
Crawley, C. W., 66, 84
L. W. A., 839
Crawshaw, G. R., 914
Creed, R. M., 415
R. S., 351, 364
Sir T. P., 207, 254
Creedy, A. J., 126
Creery, R. D. G., 49
Creewell, P. A., 911
Creighton, D. G., 706
J. H., 569
T. M. R., 395
Cremona, F., 1086
J. A., 249
J. J., 1086
Crépault, P. Z., 648
Crépeault, P. E., 599
Crespi, C. J., 416
Cressey, G. B., 162
Creswick, H. R., 60, 78
Crew, F. A. E., 490, 765
Crews, Mrs. C. M., 126
Creyx, N., 46
Crichton, A., 426
A., M.A., 476
E. C., 865
M. C., 624
M. I., 392
Crick, J., 315
Crighton, A. B., 551
J. T., 527
Cripps, Sir E., 305
E. G., 252
Crisp, E. J., 259
E. R., 779
L. F., 822
M. P., 815
Critchfield, H., 835
H. J., 833
Critchley, M., 261, 298
Croal, A. G., 720
Crocker, B. F., 713
Crocker, C. G., 886
W. R., 767
Crocket, R. W., 134
Crockett, W. C., 777
Crockford, A. L., 283
Crocombe, F. R., 709
Croft, A. C., 450
L. T., 869
O. L., 584
Crofton, H. D., 48
K., 24
Crofts, D., 213
G., 630
Croll, J. M., 24
Crombie, A. C., 244
D. W., 737
H. M., 475
I. M., 368
Crompton, J., 241
R. W., 759
Cromwell, B. T., 445, 449
Cronhelm, H. J., 535
Cronin, Fr. F., 1079
Cronje, G., 882
Cronkite, F. C., 690
Cronne, H. A., 26
Crook, E. A., 257
E. M., 237
Mrs. J., 462
J. A., 391
S. L., 55
Crooke, A. C., 30
M., 471
R. H., 129
Crooker, A. M., 573
Crookes, S. I., 839
Croom, J. H., 492
Croot, H. J., 51
Crosby, H. S., 583, 584
J. L., 101
N. D., 759
W. J. R., 695, 707
Crosland, C. A. R., 367
M., 485
Cross, A. G., 280
A. R. N., 353, 363
B. E., 1234
E., 575
E. J., 136
Rev. F. L., 356, 359
J., 46
L. E., 129
M. W., 851
R. C., 350, 361
R. V., 139
Crosse, V. M., 32
Crosskey, J. H., 30
Crossland, B., 48
R. W., 325
Crossley, E. L., 343, 393
K. M., 708
R. G., 798
Crossman, L. G., 693
Croston, A. K., 147, 1099
Crotéau, Rev. J., 667
Crouch, L. G. R., 572
Crouchley, J., 789
Crow, A. D., 347, 365
J. W., 208
Crowden, G. P., 299

Crowdy, S. H., 54
Crowe, H. S., 633
P. M., 319
P. R., 222
S. E , 373
Crowley, Rev. T., 1243
T. A., 537
Crowson, R A , 508
Crowther, A , 836
Mrs B , 35
D., 405
E. M , 305
K F., 698
S. T , 50
Crozier, T. H , 535
Cruickshank, A H , 154
A. J. O , 508
C D , 43
E. W H , 472
F D , 813
J , 459
J , M D , 474
J C , 299
J N , 510
J S R , 474
R., 280
Cruikshank, A G , 489
W H , 612
Cruise, S E , 871
Crum, M M , 364
Crumb, J A , 567
Crumless, J , 505
Crump, P. E , 312, 327
Crundwell, A C , 503
Cruse, A , 108
H. P , 900
Crusz, H., 1056
Crutchlow, E F , 617
Cruttwell, M J. P , 441
Cryderman, E , 718
Culbert, M. R., 717
Cull, E. C , 24
Cullen, A., 914
A. L., 239
Cullerne, A. C., 147
Culliford, S G , 844
Cullimore, M. S G , 48
Cullinan, E. R , 275
Cullinane, C , 1251
N. M., 425
Culliton, J. T., 605
Cullumbine, H , 1057
Cullwick, E. G , 522
Culver, R., 757
Culverwell, J. D., 448
Cumaraswamy, A. M. K., 1054
V., 1057
Cumberland, K. B., 840
Cuming, A., 445
Cumming, A. M., 441
E. K., 562
G. A., 522
I , 840
P., 528
R. A., 780
R. S., 579
T. T., 390
Cummings, A. D., 336
R. H., 504
R. P., 787
Cummins, S. L., 439
Cumper, G., 1100
Mrs G , 1100
Cuningham, K , 805
Cunliffe, A., 447
A. C., 261
G., 53
M. F., 308
Cunningham, A., 496
A. B., 1099
C. E , 505
D. J. C., 368
E., 81
G E , 897
G. T., 575
J., 496
J. A , 575
J D , 722
J. F , 1247
J. G , 718
J. M M , 487
K., 1246
L , 153
M. L., 238
N. C 803
W. M., 832
W R , 502
Cunnison, J , 507
Cupit, B. F , 831
Curgenven, J P , 102
Curle, C. T W , 351, 384
R. O , 481
Curmi, V , 1087
Curr, W., 24, 35
Curra, H , 196
Curran, D., 278
E. J, 491
H. W , 671
R., 510
S. C., 506
Currie, A. B , 605
A. R., 510
A. W., 709
B. W., 691
C , 607
D W., 132
E. D., 504
G. A., xxix, 754, 816
J , 518
J. R., 515
Curror, J. P., 693
Curry, C , 129
J., 309, 317
V. L., 116
W. A., 583
Curtis, Rev A. H., 29
C. A., 672, 674
C. H., 674
G. C., 243
G. F., 565, 571
Rev. L. A. D., 643
L. G., 357
Dame M., 85
R. W., 632
S. J., 126, 128
S. R., 235
W. E., 111
W. M., 812
Curwen, S., 51
Curzon-Siggers, W. A., 829
Cusack, N. E., 196
Cushen, J. S., 225
M., 837
Cushing, G F., 188
Cutcliffe, E. F , 198
Cuthbert, J. A., 526
N., 532
R. A., 834
T. M., 115
Cuthbertson, A. C., 653
D. P., 473
Cuttle, W. L., 76
Cwilong, B. M., 844
Cymerman, J., 797
Cyr, H., 668
Czarniecki, F. K., 508
Czekalowski, J., 131
Czerwinski, W , 710

Da Silva, L. S., 1083
Dabadghao, D. B., 1016
V. M., 1019
Daber, K. S., 319
Dabholkar, V. D., 958
Dabir, W. M., 1018
Dacie, J. V., 292
Dadabhoy, J., 1058
Dafoe, E., 630
Dagenais, P , 646
Dagg, R. E., 616
Daggett, H. M., 567
W. I , 261
Dagley, S., 123
Dagut, M. B., 127
Dahake, T. L., 1016
Daigle, Rev. M. M., 686, 687
Dainton, A. H., 127
F. S., 81, 124
Dainty, J., 487
Daisley, H. H , 75
Dakin, Rev. A., 54
D., 195, 196
Dakshindas, D. G., 1015
R. V., 1014
Dalal, B. L., 955
S. B., 1015
Dalby, G. R., 139
H., 107
Dalcq, A., 409
Daldy, D. M., 101
Dale, A. M., 193
E. A., 703
E. H., 391
G., 808
Sir H. H., 302, 541
J., 779
R. R., 431
V. E., 104
W. T., 1102
Dales, H., 534
J. H., 605
Dalgleish, C. E., 84
Dalitz, R. H., 27
Dallas, A. E. M. M., 336
D., 570
K. M., 812
Dallender, J. A., 201
Dallyn, F. J. G., 691
Dalton, C. J. D., 840
W. R., 803

Daltry, C T, 184
Daly, Very Rev. C. B., 534
H. J., 802
M. de B., 243
Dalziel, G, 511
M. E., 199
Damato, F. J., 1087
Damodaran, A, 972
Mrs. D, 1000
Dampier, Sir W. C. D., 83
Damri, J. P., 958
Damsteeg, I C., 674
Danaraj, T. J, 1083
Danby, C. J, 346
C. W. E., 675
Rev. H., 355, 359
J. F., 399
J. P., 137
Dancey, T E, 615
Danckwerts, P. V., 72
Daniel, A. W T, 221
G. E., 61, 82
J R, 325
R J., 149
V. J, 335
Daniell, J P S., 1107
Danielli, J. F., 210, 243
Daniells, J. R., 569
Daniels, F J, 230, 1080
H. E, 67
J C, 337
J. E, 117
Daniher, Mrs. E. A, 720
E. L., 720
Danilow, N, 844
Danis, Rev. A. L. M., 664
Danks, A. J., 835
Dannatt, C W, 202
Dansereau, P., 645, 680
Dantwala, M. L., 955
Darab Khan, G. H., 231
Darby, H. C, 163, 240
J. F. G., 775
Darbyshire, O, 111
Darcel, F. C, 1103
Dare, J. G, 128
Darisse, G, 594
Dark, S O. S, 252
Darke, S. J, 28
Darling, A. I, 52
H. S., 1107
Darlington, C. D, 304, 306, 356
R. R., 196
Darmon, S. E., 124
Darné, A., 1106
Dart, R. A., 907
R. P., 68
Darwin, L. J., 835
Das, A. C., 988
B., 971
B. C., 1048
B. K., 1024
C., 984
C. M., 1047
E. N., 1020
G. S., 1048
J. C., 1029
J. P., 1010
K. K., 940
Das, P., 989
P. I., 937
R. B, 992
R. K., 1049
S, 1049
S. C., 1048
S. M., 992
S. M., M.Sc, 1048
S. N., 1047
Das Gupta, B., 974, 976
B. B., 1055
B. N., 992
H. K., 1018
J. K., 929
S., 973
S. N, 989, 991
Dasa Rao, C. J, 942
Dasent, W. E., 850
Dasgupta, A P., 962
D. C., 984
Dass, A, 1018
B., 973
I., 993
J. N, 971
S. R., 973
Dastagir, G, 1024
Dastidar, S. K G, 1030
Dastur, P. S, 957
Date, A. S, 1019
Datnow, M. M., 154
Datta, A. K., 1031
D. M., 1030
G. L, 974, 976
H K., 940
H N., 1065
I, 975
K K., 1030
P, 984
S. K., 984
S. K., D.Phil., 938
S. P., 237
Daube, D, 72
Daubenton, F., 913
Dauncey, K. D. M., 22
Daunt, B. M., 195
Rev. E. G., 1238
Dauphin, E. L., 672
Dauphinee, J. A., 714
M. B., 585
Dave, K., 1018
M. J., 1049
T. N., 229
Dave Gowda, A. C., 1008
Davel, H. B., 883
Daveluy, M. C., 664
Davenport, A., 147
A. H, 83
H., 242
R. C., 295
Davey, A. J., 420
C. M., 759
Rev. J. E., 538
T. H., 156, 1232
Daviault, L., 592
P., 663
David, Rev. F. J. T., 463
F. N., 244
I., 199
I., LL.D., 433
J., 618
David, R. E., 610
Davidge, C. V., 353, 370
Davidson, A. C, 711
D. B., 680
D. C., 538
G. S., 475
H., 195
J, 490
J., F.L.S., 566
J, M A., 521
J. N., 506
L S. P, 489, 492, 493
784, 833
M., 484
M. G., 1237
N., 508
P. M., 432
R. L., 908
S., 31
S. G, 475
S. W, 115
W., 510
W. R. S, 517
Davidtsz, M J, 880
Davie, C. T., 523
G. E, 534
T B., xxix, 860
Davies, A., 416
A., M.Sc, 441
A. F, 776
A. L., 537
B., 213
C., 421
C C, 348
C E., 403
C. E. P., 209
C. W., 415
D, 315
D., Ph.D., 417
D. D., 445
D. F., 1079, 1080
D. G., 134
D. H., 49
Rev. D. J., 412
D. J. Ll., 416
D L., 294
D. M., 334
D. R., 287
D. R., Ph.D., 400, 462
D. R. S., 148, 158, 161
D. T., 272
D. V, 283
E., 800
E, Ph.D., 162, 411
Rev. E., 412
E. F., 470, 477
E. J., 48
E. J., M.Sc., 138
E. T., 409, 459
E. T., F.R.C.O., 422
F., 397
G., 416
G. B., 437
Rev. G. H., 46, 54
G. M., 422
G. N., 832
G. O., 151
G. O. B., 570, 571
G. R., 437
Rev. H., 895

Davies, H. J., 401, 405
H. J., Ph.D., 459
H. M., 155
H. S., 65, 82
I., 418
I. G., 133
J., 61, 82
J. C., 103
J. G., 315
Rev. J. G., 29
J. H., 398
J. H. T., 317
K. G., 216
L., 455
L., Austral., 761
L., B.Sc., 103
Rev L. E. G., 653
M. M., 415
M. R. R., 127
M. W. H., 200
O., 869
P. H., 104
R. D., 71, 75
R. E., 402
R. E., Ph.D., 892
R. G., 203
R. H., 431
R. I., 423
R. M., 417
R. O., 417
R. T., 147
Rev. R. T., 349, 370
S., 504
S. J., 168, 208, 1110
T. B., 390
T. M., 415
T. V., 209
V. C., 306
V. P., 697
V. S., 458
W., 436
W., B.Sc., 426
W., D.Sc., 771
W., Ph.D., 202
W. E., 418
W. H., 416
W. T., 351
Rev W. T. P., 412, 422
Davis, A. G., 840
A. G., M.Sc., 251
A. R., 74
B. E. C., 249, 250
C. S., 47
E., 891
E. H., 786
E. H., B.Sc., 239
G. L., 810
H., 396
H., F.D.S., 117
Very Rev. H. F., 29
H. H., 757
H. J., 347
J. A. M., 184
J. C., 154
J. H., 336
J. W., 496
L., 690
L. J., 510, 1231
M. C., 781
M. E. H., 34
Davis, Mrs. M. I. G., 347, 373
N., 504
P. W., 471
R. H. C., 241
R. T., 606
S., 908
S. B., 318
S. G., 1079, 1080
S. G., Canada, 550
W. B., 510
Davison, Mrs. E., 574
G., 113
G. R., 555
J. A., 310
J. W., 66, 82, 767
K. B., 566
M. H. A., 113
S., 409
W. T., 113
Davson, H., 243
J., 319
Davy, N., 336
Dawbarn, M. C., 762
Dawber, H. M., 314
Dawbin, W. H. I., 845
Dawe, C. V., 45
Dawes, B., 210
E. A., 123, 141
G. S., 384
H. F., 626
J. D. K., 114
T. M. E., 337
Dawkins, C. J. M., 286
Daws, B. O., 213
Dawson, Rev A., 721
A. M., 52
C., 840
C. A., 608
D., 463
E., 131
G. W. P., 1234
H. L., 615
J., 123
M., 540
Mary, 518
Molly, 185
M. E., 218
R. J. P., 609
R. MacG., 709
T. L. C., 707
W. S., 799, 804
Day, A., 555
A. J. W., 34
J. H. O., 863
J. J., 666
J. N. E., 238
J. P., 622
J. P. de C., 674
T. D., 133, 285
W. M., 471
W. R., 347
Dayakara, M., 1011
Dayal, J., 992
P., 1060
Dayhaw, L., 663, 665, 668
Daykin, A., 397
P. W., 227
Daymond, J. R., 873
L. B., 757
S. D., 149
Daysh, G. H. J., 110
De, H. N., 1064
N. N., 1051
P. N., 1030
R., 1048
S. C., 1064
S. S., 1051
d'Abreu, A. L., 33, 43
F. A., 289
D'Andrea, A., 608
de Angelis, M. L., 607
d'Arc, Sr. M. J., 687
d'Ardenne, Prof., 342
d'Assisi, Sr. F., 656
D'Ath, E. F., 831
de Beaumont, V., 705
de Beer, F. A. H., 911
J. H., 877
Z. J., 865
de Belin, G. A., 402, 405
de Bellefeuille, R., 666
de Berg, R. F., 839
de Boer, G., 446
De Bond, R. P., 1057
De Bray, B. P. G., 840
de Bray, R. G. A., 188
de Bretagne, Rev. G., 666
De Brun, A. J., 787
de Brún, Rt. Rev. Mgr. P., 1253
de Bunsen, B., xxx, 1097
de Búrca, S., 1253
de Burgh, P. M., 802
de Catanzaro, Rev. C. J., 732
de Chasca, E. V., 707
de Chickera, E. B., 1055
de Costa, P., 1056
de Duve, C., 247
d'Entrèves, A. P., 349, 363, 374
De Grey, R., 107
de Groot, A. W., 41, 162
E. H. U., 102, 104
Mrs. E. H. U., 105
de Grouchy, P. J., 460
De Guise, A., 647, 648
de Haas, W. G., 885
d'Hauteserve, L., 608
de Irizar, A., 130
de Jong, S. D., 568
de Kock, P. C., 469
De La Bere, J. C. W., 225
De La Lande, M. B., 776
de la Mare, P. B. D., 238
De Laporte, A. V., 711
De Long, W. A., 618
De Luca, H. A., 737
De Lury, D. B., 707
de Merten, M., 659
de Monchaux, C., 244
De Montmollin, D., 705
de Montmorency, G. S. M., 183
de Morpurgo, P. G. L., 251
de Navarro, Mrs. A. D. M., 61, 85
J. M., 61
De Nevasquez, S. J., 239
d'Ombrain, G. L., 306
De Pauley, Rev. W. C., 1238

De Russett, A. W., 139
De Saint-Victor, H., 665, 666
de Sales, Sr. F., 656
de Saram, G. S. W., 1057
de Sausmarez, M., 126
de Selincourt, O., 427
de Silva, B. L. T., 1054
C. L., 1054
L. M., 1058
P C. C , 1057
D'Silva, J. L., 265
de Silve, S. S. P. de J , 1057
de Simon, D. S , 1057
de Smith, S. A , 217
de Sornay, A , 1106
de Souza, A T. A., 1055
D'Souza, Rev. B , 1001
Rev. J , 998
V. L., 1009
de Stein, J. L., 610
de Valera, E , 1242
De Valera, M., 1254
De Valois, Mrs., 1004
de Villiers, A. J , 901
C. G S , 902
D., 891
G. E., 901
J. J., 902
M., 900
M. E , 901
O T., 903
P C. le R , 902
P J R , 905
de Vos, M. P., 899
P. J , 875
P. J. G , 886
W., 893
de Vries, J , 611
de Waal, C. T., 903
H. L., 879
P E , 872
de Wet, C. F., 877
H. F., 877
I. S , 886
J. C., 901
Mrs J. C., 901
J. M., 893
J. S., 351, 358, 367
K. M , 894
Rt. Hon N. J., 890
De Witt, C. E. A., 546
de Witt, E., 654
De Wolfe, E. L., 546
de Zoysa, V. P , 1057
Dealkin, C. S., 71
F W. D., 368, 370
Dean, A. E., 306
C. R., 720
F. M., 146
H. K., 306
H. R., 72, 84
J. H., 73
N., 60
W. R., 67
Deans, A. S. C., 477
J. A. G., 218
Dear, W. R., 83
Dearden, D. V., 393
E. R., 702
W. H., 48
Dearle, R. C., 737
Dearnley, G., 272
Deas, H. D., 533
H T., 63, 77
J. S , 400
Deathe, E. W V., 699
Deb, S. C , 937
Debenham, A. J , 801
F., 77, 95
R K , 33
Debnath, H , 1047
Debney, E. W., 496
Debono, J E., 1087
P P , 1087
Debovitch, H., 397
Dechêne, E , 598
Decker, G E , 557
Decoene, Canon A , 592
Dedeyan, J , 450
Dedi, A. S , 973
Dee, A A , 28
P. I , 506
Deeble, J , 780
Deed, D. M , 150
Deegan, G A , 1091
Deem, M. H., 831
Deer, W. A , 82, 312
Dees, N , 117
Deffontaines, P., 602
Defries, R D , 717, 718, 726
Degenaar, J. J , 901
Degrace, G , 687
Dehadrai, V. B , 1017
Deighton, Rev. H S., 365
Dekker, A J , 573
G., 892
H P , 903
J J , 877
K D , 873
Delacourcelle, Mrs. D. W., 111
Delafield, M. E , 239, 286, 299
Delahaye, J S , 676
Delaney, C F G., 1236
Delargy, J H., 1246
Delavault, R E., 570
Delhaes, F , 650
Delisle, R , 590
Dellow, U V., 843
Delory, G. E , 631
Deltour, P , 662, 664
Demant, Rev. V A., 356, 359
Dembrey, I , 51
Demchuk, L. I , 571
Demers, G. E., 593, 600
J., 646, 647, 648, 649
U , 599, 602
Dempsey, W. C., 899
Dempster, G., 489
G. O. L., 831
Denat, A., 789
Denault, H., 595
Denes, P., 243
Denham, W. S., 137
Denholm-Young, N., 421
Deniger, Canon G., 645
Denis, J., 647
Denman, D. R., 71
Dennell, R., 316
Denning, A., xxix, 786
Dennis, E. J., 863
Dennison, J. P., 136
S. R., 64, 77
Denniston, J. D., 389
Denny, G. A W., 221
J R., 128
Denomy, Rev A., 705
Denstadt, O. F., 604
Dent, C. E , 237
E. J., 78
F J , 136
K. W , 338
Denton, E J., 473
P H , 437
Deo, Maharaja Sir P C. B., 1047
P G , 992
Deodhar, D. B., 991
G. B , 938
Deogan, A S , 1016
Deoras, V. D , 949
Deosthale, Mrs L., 1017
Depree, P M , 443
Derbyshire, K , 322
Derenne, J , 596
Derham, D P , 777
R L J S , 153
Derkson, C , 886
Derôme, R , 222
Derrett, J D M , 232
Derry, D , 572
L W , 307
Dervichian, D V , 41
Déry, A , 597
M., 590
Des Barres, Rev F. W W , 653
Desai, M. B , 955
N K , 957
R D , 955
T B., 958
U. V , 958
Desborough, L O., 843
V R. d'A , 313
Deschamps, J., 222
P , 592
R , 593
Deschênes, M., 591
Desclaux, A , 26
Descoteaux, L., 596
Deshaies, G , 648
H , 592
Deshmukh, C D., 1019
Mrs. I , 1017
L , 1017
M. G., 1018
N. C., 1016
V. G., 1015
Deshpande, A. D., 1017
A. N., 1018
B. B., 957
B. R., 1019
G. K., 1017
G. T , 1018, 1020
Mrs. K., 1017
K. S., 1020
N. M., 1040
R. R., 957
S. A., 1016
S. P., 958
V., 1024

Deshpande, V. T., 1019
Desjardins, Rev. G., 638
Desmarais, A., 597
Y , 591
Desmeules, R , 598, 599
Despres, J. P., 595
Desrochers, F , 664
G., 598
Desrosiers, J B , 646, 651
L. P., 650
Desseignet, J , 391
Destroismaisons, L., 594
Désy, A , 649
J. R A , 591
Dettmann, D. D. H., 843
Detweiler, H K , 730
Detwiler, J D , 735, 740
Deva, A N , 988
Devadason, M D , 1004
Devanathan, M A. V., 1054
Devanesan, C , 1000
Devaraja, N K , 991
Devasenapati, V. A., 999
Devereaux, H L , 619
Deverell, A C , 298
Devi, K M , 1026
M. N. S , 1000
S M S , 944
Devine, D M , 528
Devons, E , 310, 327
S , 84, 202
Devonshire, A F., 47
Dew, H R , 804, 806
Dewan, J. G., 715
Dewar, A D , 487
H A , 114
R , 396
W A. D., 737
Dewey, Rev M B , 80
Dewhurst, I E., 772
Dewis, G. M., 583, 584
Dews, P. B., 143
Dexter, K., 338
K. M , 441
Dey, B. B., 1006
K. C , 1017
N. C , 935
Dhaneshwar, S , 1017
Dhar, J N., 1047
N R., 937
P. N , 972
S , 973
Dhawan, G. N , 992
Dhayagude, R. G , 958
Dhillon, H. S., 980, 981
Dhiresekera, J. D., 1055
Dhongde, E. R., 958
Diamand, W. B., 221
Diament, J., 590
Dias, R. W. M , 416
Dibden, F. A., 762
W. A., 764
Dible, J. H , 292
Dick, J., 346, 364
J. A., 488
J. C., 510
J. G., 697
M. W., 358
Dickens, A. G., 445, 446
F., 267
Dickenson, E., 1071
Dickie, E. P., 521
J. S , 506
W. M., 528
Dickin, H. E., 720
Dickins, B , 61, 76
Dickinson, A E. F., 98, 102
G., 249
H. D., 45
J., 117
J C , 66, 77
J C , M.Sc., 771
P. H., 113
S , 70, 85
W C , 485
Dicks, R. L., 885
Dickson, A , 654
A. J , 850
C H , 778
F , 566
G. H , 723
J. M , 334
L. E , 509
L. M , 272
Y , 184
Dienes, P , 452
Z. P , 452
Diesel, A M., 884
Diez, A M., 399
Digby, N. G., 775
Digges La Touche, A. A., 134
Diggle, K , 104
Dighe, S. K , 1015
Digna, Sr M., 1001
Dike, K O., 1093
Dikshit, G. P , 992
K L., 994
R. K., 991
T. N , 990
V. K., 955
Dikshitar, V. R. R., 997
Dilke, O. A. W , 503
Dillane, C. W , 711
Dillon, F., 286
T., 1249, 1253
T. J., 213
Diltz, B C., 720
Dilworth, R., 323
Dimbleby, G. W., 347
V., 401
Dimmitt, M. A., 993
Dinan, T J., 1254
Dineen, J. O., 658
Dingle, H., 244
J. R., 584
R. B., 82
Dingwall, R. W., 675
Dinsdale, D. H., 112
T., 316, 321
Dion, G., 595, 596
H. G., 692
R., 667
Dionisotti, C., 192
Dionne, L. R., 648
M., 594, 599
Dippenaar, B. J., 884
Dippy, J. F. J., 306
Dirac, G. A., 209
P. A. M., 67, 81
Diringer, D., 74
Dissanayake, S. B., 1057
Dissanayake, M. D., 1054
Ditchburn, R. W., 392
Diverres, A. H., 312
Divien, E., 999
Divine, T. A., 139
Dix, D. J , 706
V. W., 265
Dixey, L. R., 222
R. N., 353
Dixon, A., 883
A. L , 362
C. W., 133
H. A., 714
H. C., 625
H. H., 1234, 1242
I. F., 337
J. F. C., 144
Rev. J. W., 157
K. C., 73, 79
Canon L. A., 731
M., 62
M., B.A., 150
S. E., 723
W. G., 574
Dmochowski, L. L., 133
Dnyansagar, V. R., 1015
Doan, F. M., 708
Doane, A. R., 664, 666
Dobb, M. H., 64, 84
Dobbie, B., 31
J. L., 320
R., 522
Dobbs, C. G , 421
E. R., 222
R. H , 264, 291
Dobby, E. H. G., 1082
Dobell, S. H., 603
Doberman, H , 114
Dobinson, C. H., 346
Dobrée, B., 126
Dobrin, S., 315
Dobson, E. J., 362, 369
G. M. B., 350, 363
J. L., 109
J. W., 584
M., 114
T. P., 773
W. A. C. H., 355
Docking, A. R., 781
Dockrell, R. B., 1238
Dodd, A. H., 421
C., 243
C. H., 95
F. H., 393
G. J., 610
J. M., 524
R. A., 27
R. E., 108
Dodds, D. A., 916
E. C., 267, 1238
E. R., 346, 359
Dodgson, K. S., 428
Dodington, E. L., 712
Dods, L. F., 802, 803
Dodsworth, F., 435
T. L., 473
Dodwell, B., 318
B., F.R.Hist.S., 391
Doe, A. G., 801

Doe, T. E., 812
Doeringer, C. E., 711
Doerksen, Mrs. W., 632
Dofka, H. H., 554
Doggart, J H , 292
Doherty, E., 1247
J., 777
R. A , 673
W. D., 259
Doig, A. T., 476
J. G., 771
R K., 779
Doja, M. Q , 1030
Doke, C M., 908
Dolan, H. S , 616
Dolar-Mantuani, J., 574
Mrs. L., 570
Dolbec, R., 591, 596, 600
Dolby, D E., 131
Mrs. D. E., 123
Dollar, A. T. J., 196
J. M., 272
Dolléans, E , 356
Dolley, L. G. F., 207
Dolman, C. E., 566, 572
Dolphin, J. W., 632
Doman, H. C., 460
Domaradzki, T. F., 666, 669
Dominica, Sr M., 704
Dominy, J. N , 392
Dommisse, G. F., 886
Don, C. S. D., 317
Donagan, A. H., 822
Donaghy, J., 1107
Donahue, A. J., 630
Donald, C., 265, 292
D. W. A., 481
E. F., 555
G., 473, 476
M. B., 239
M. M., 900
Donaldson, A., 509
A. K., 509
G., 631
G., M.B., 493
G., Ph.D., 485
Donath, E. J., 772
Donegan, J. F., 1254
Dongerkery, S. R., 955
Doniach, I., 292
Donigan, M. L., 616
Donnelly, M. S., 633
Donnithorne, A. G., 244
Donohue, W. L., 715
Donoughmore, Earl of, 389
Donovan, B., 400
D. T., 46
E., 1250
H., 33
P. F., 666
P. F., M.A., 1246
T., 1251
T. S., 33
Doodson, A. T., 149, 157
Doraisrangaswamy, M. A., 998
Doraiswami, M. S., 1023, 1027
Doraiswamy, M. S., 942
Doran, F. S. A., 309
I. G., 532
W., 145, 146
Dore, Rev. J. W., 708
Dorland, A. G., 736
Dorman, H. J , 537
Dormer, K. J., 309, 343
Dornhorst, A. C., 283
Dorrance, G. S., 216
R. L., 672
Dorris, R , 646
Dorsch, T. S , 249
Dorsey, Rev. J., 704
J. W., 632
Dorward, A J , 149
L. F., 470, 477
W. F , 523, 525, 526
Dosekun, F. O., 1094
Doss, K. V , 1016
Dott, E. F., 493
N. M , 490, 493
Doucette, A. L , 550
Doudney, H. E J., 836
Doughty, D. W., 528
O., 861
T., 1108
Douglas, A. A., 32
A. E., 457
A. H , 692
A. M., 831
Mrs. A M. B , 68
A. V., 671, 673
C G., 366
D., 46
D., Scot., 528
D. M., 491, 493
G. V , 579
H. W., 145
J., 487
J. A., 914
R. A., 693
R. I., 486
S. W., 228
W. C., 484
Douglas-Smith, A. E., 75
Dougray, T., 31
Doule, D. L., 446
Doull, A. E., 581
Hon. J., 580
J. A., 579
K. M., 847
Doupe, J., 635, 636
Douthwaite, A. H., 259
K., 572
Dovaston, H. F., 513
Dove, L. R., 1106
Dover, K. J., 358, 369
Dow, A. W., 526
D. R., 520
Sir H., 1076
Rev. J., 733
J. F., 278
J. G., 448
Dowdell, A., 324
E. G., 346, 367, 370
Dowling, G. B., 283
J. J., 1246
Down, C. H., 781
Downard, N. D., 869
Downes, H. F., 780
J. A., 508
J. V., 1245
M., 54
Downes, Rev. W. J., 54
Downey, J. L , 636
Downie, A. W., 152
D. G , 469
H. G., 724
Downing, A. C., 244
C. C. R , 437
C G. E , 722
E. K., 435
F., 397
Downman, C B. B., 284
Downs, B , 757
B. W., 69, 75
W J., 555
Downton, E. P., 717
Dowrick, F. E , 533
Dowson, W J , 62
Dowuona, M , 1090
Doxiadis, S., 402
Doxsee, Rev F A C , 619
Doyle, F. W , 588
J , 1245
J P., 568
R , 155
W P , 200
Doyle-Davidson, W. A. G , 126
Doyon, M , 592, 595
Drabble, J , 800
Drake, A F , 156
B. J , 834, 835
H. L , 365
J., 1103
J F , 772
J. H., 848
K. H., 180
T. G. H , 715
Drakeley, T J , 305, 306
Dransfield, J. W., 151
Draper, M. C., 383
Drennan, A. J. M , 536
A. M., 490
M. R., 860
Dreosti, A E., 914
Dressler, A., 129
Drever, H. I , 522
J., 487
Drew, E., 431
G. C , 47
J. P., 1247
Dreyer, M. V., 878
Mrs. N , 901
T., 914
T. F., 878
Drinkwater, R. W., 426
Driver, Mrs. A. F. M., 1080
G. R., 355, 362
J. E., 313
J. E., Ph.D., 1078
J. T., 523
Drolet, A., 590
J. P., 594
Drought, A. B., 397
Drouillard, Rev. C., 705
Drouin, G., 598
M., 591
Rev. P., 668
Drover, D. P., 816
Drower, M. S., 241
Drummond, E. W., 508

Drummond, F. H., 777
G. F., 567
J. E., 835
W. M., 722
Drury, Sir A. N , 302
Drus, E., 196
Dry, F W., 850
Dryer, D. P , 708
Drysdale, A., 484
C. F., 530
J., 911
Dryvestyn, M. J., 342
Du Boulay, F. R. H., 192
du Parcq, Lord, 389
Du Pisani, E. P., 900, 903
du Plessis, C. v. H., 876
D. J , 879
D. J , Ph D., 892
F., 903
Rev. H. J. R., 892
I. D., 863
J. S., 893
N , 871
P H. C., 872
S. J , 903
Du Plessis, J C , 899
Du Porte, E. M., 618
du Preez, A B., 882
du Preez, D C. S , 893
W. B , 883
Du Preez, S., 893
du Toit, C. A., 900, 902
F., 914
G P. J , 876
G T,, 913
J. B , 902
J. D , 893, 894
J. G , 886
J. J , 877
J. J., M.Sc. Agric., 903
L. M., 891
R. M , 884
S , 892, 894
Du Toit, S. B , 885
Dube, B. P., 1019
K , 1014
K., Nagpur, 925
K. N , 974
S , 993
Dubé, E , 647, 648
Rev. H., 662, 665
Dubey, S. C., 1024
Dubois, Mrs. E. T., 111
Dubs, H. H., 355, 368
Dubsky, J., 699
Ducharme, L., 590
Rev. L., 667
Rev. S., 667
Duchemin, L., 653
Duchow, M., 617
Duck, E. F., 1078
Duckworth, Rev. J. N., 1090
J. W. A., 481
R. B., 469
W. L., 78
Dudarewicz, C., 239
Dudden, Rev. F. H., 365
Dudding, B. P., 401
Dudgeon, W., 484
Dudley, B. R., 401
Dudley, D. R., 34
F. B., 810
G. M., 107
Dudley-Buxton, J. L., 287, 288
Dudman, R. A., 353
Duerden, H., 305
Duff, A. M., 416
D. C. B., 566
D. K., 719, 726
G. H., 702
G. L., 614, 620
Rev. J., 1243
Sir J. F., xxviii, 97, 101, 1231
P W., 72, 83
Duffield, G. L., 757
Duffy, D. G., 779
J. L., 737
Dufour, Rev. P , 662, 663, 669
Dufresne, A. O , 593, 594
O., 646, 647, 651
R., 647
Dugal, J. P., 598
L. P., 597
Duggan, A. R. H., 802
G. L., 551
H. P., 556
L. M., 1250
Dugmore, Rev. C. W., 313, 322
Duguay, J., 591
Duguid, D. R., 568
H L. D., 475
J. B., 114
J. P., 489
Duhamel, R., 646
Duhigg, J., 810
Duhr, Rev. J., 957
Duignan, M. V., 1253
Duke, A., 85
C. G., 557
P , 337
Duke-Elder, Sir S., 243, 278, 292
Dullforce, W. M., 338
Dulmage, H. A., 625
L., 633
Dulong, G., 593
Dulverton, Lord, 44
Dumais, R., 596
Dumas, P., 54
Dumbell, S., 144
Dumbreck, J. C., 315
Dumbrill, W. E., 306
Dummer, M., 418
Dumouchel, G , 593
Dun, F. T., 831
Dunbabin, R. L., 814, 815
T. J., 345, 357
Dunbar, D. N. F., 775
J., 511
J. M., 525
M., 608
R. T., 488
W. B., 711
Duncan, A. B., 513
A. R. C., 674
C. C., 723
Duncan, C. J., 115
D. B., 796
G. A., 1234, 1235, 1237 1240
Very Rev. G. S., 520, 521
H. M., 271
J., 520
J., M.Sc., 590
J. E., 200
J. P., 757
M. W., 572
R., 810
R. A., 458
T. A. W., 632
W. G. K., 758
Duncan-Jones, A. E., 28
E., 25
Duncanson, A., 472
W. E , 243
Duncliff, H. B., 1069
Dundas, C F., 494
R. H., 359
Dunford, H. B., 550
Dunham, K. C., 102
Dunkin, H. H., 775
Dunking, A. C., 251
Dunklee, D. L., 630
Dunkley, R. E. L., 398
Dunlap, L. W., 565
Dunlop, D. M , 74
D. M., M.D., 41, 491, 492
E. M., 113
G., 513
G. M., 550
H. A., 256
H. W , 676
W. J., 701, 720, 726
W. R., 724
Dunn, B. J., 837
B. S., 532
C. J., 230
C. W., 704
P N., 473
R. E., 156
R. I. S., 510
Dunne, J., 1247
J. C., 909
Dunnell, B. A., 567
Dunnett, G. M., 472
Dunning, Hon. C. A., 671
K. W., 45
W. J., 45
Dunscombe, J. L., 436
Dunsdorfs, E., 772
Dunsheath, P., 164
Dunster, M. O., 50
Dunston, A. J., 238
T., 886
Dunsworth, F. A., 582
Dunwell, W., 307
Dupont, V., 41
Dupras, G., 649
Duprat, J. T., 663
Dupré, A., 594
Dupriez, L., 220
Dupuis, L. A., 590
P., 597
Duraiswami Pillai, A. S., 949
Duraiswamy, M. S., 947
Duras, F., 780

Durbach, D., 912
Durham, Bishop of, 97
Durnford, A. M. I. A. W, 737
H. G. E, 78
J, 152
Durrani, U, 935
Durrant, F. T., 307
G. H, 870
P. J, 82
Durward, A, 123
Dury, G, 196
Dussault, N A, 602
Dustoor, P. E, 937
Duthie, C, 912
Rev. C. S, 483
D. A, 489
E. L, 441
G. I., 605
J. J R., 490
O M., 318
R. J., 475
W. B, 496
Dutt, B. B, 962
G, 992
M., 1017
N, 963
S., 942
S, Ph D., 973
S. K, 991
S. M A, 971
V., 1019
Dutta, I, 1030
S K, 1031
W C., 1029
Dutton, G G. S., 567
G. J., 483
Duval, A., 596
P G, 635
Duvall, A E, 494
Duvenage, J P., 893
Dwarakanath, V. R, 1017
Dwight, T. W., 704
Dwij, J. P. J, 1031
Dwivedi, K. M., 1048
R. S., 993
Dworkin, S., 608
Dwyer, F. C, 155
F. P. J., 797
Dyason, D., 773
Dyce, K. M, 227
Dyer, A. J., 775
D F, 698
F. G., 104
F. J, 235
W E., 1085
W. J., 582, 583
W. V, 850
Dyke, E., 547
Dykes, F. J., 83
G., 507
Rev. K. C., 322
P. de K., 60, 71, 79
Dymes, D. M. E, 304, 306
Dymond, E. G., 486
J. R., 710
Dysart, Hon. A. K., 630
Rev. H. E., 588
Dyson, F., 200
F. J., 84
F. L., 50
Dyson, Sir G., 305
H. V. D, 347, 363
W. P., 61

EABORN, C, 451
Eadie, E J., 507
W. W., 557
Eady, E T, 202
Eager, R L., 689
Eagle, E. C., 337
P C, 914
Eagles, B, 565, 567
Eaglesham, E J. R., 98, 101
Eaglestone, A A, 405
Eagleton, W G, 1008
Eales, L., 865
N B, 392
W. C, 862
Eapen, J, 1003
Eardley, C M., 756
Earl, C. J. C, 32
R. O., 671
Earle, F M, 138
J M, 616
Earnshaw, J., 416
P. A., 791
Eashwaran, E., 1017
Easson, Rev D. E, 130
E. C, 320
East, C F T, 261
S P., 596
W. G, 196
Sir W N., 291
East Bengal, Governor of, 1063
Eastcott, E. V, 703
Easter, B H, 1100
Easterbrook, J A., 674
W. T., 709
Easterbrook-Smith, W H B., 845
Eastham, L. E. S., 401, 1232
Easthope, C E, 417
Eastman, Mrs. S. P., 459
Easton, H. C., 309
I. D., 526
Eastwood, B. J., 557
R. A., 313, 327
W., 470
Easty, G C, 136
Eaton, D. C., 584
H M, 584
J. C., 511
J. C., M.A., 518
R. S., 324
R. S., Mus.B., 551
Eaves, G, 124
Eayrs, J. T., 22
Ebbs, J. H., 715, 719
Ebbutt, A., 653
Eberhard, S. T., 757
Ebling, F. J. G., 401
Eccles, F. Y., 192
J. A., 722
J. C., 831
Eckhard, E. V., 217
Eckhoff, N. L., 259
Eckstein, F. M. P., 22
Eddy, C. E., 794
Edelman, J., 402
Edels, H., 152
Edelstein, J M, 913
Eden, A., 109
Rt Hon A, 22
Edey, H. C, 215
Edgar, R., 843
Edge, A. B B., 201
G. A, 718
J., 202
W. L., 485
Edgeloe, V. A, 756
Edgett, G. L, 673
Edholm, O G, 740
Edinborough, A, 673
Edinburgh, H R H the Duke of, 411, 413
Edison, G, 708
Edminson, V. L, 53
Edmiston, E S, 788
H. K., 818
Edmond, A D, 470, 477
Edmonds, F F. C, 89
J. M., 78
J. M, Ox, 348
S M., 85
Edmondson, A. S., 225
J L, 144
Edmunds, F H, 690, 692
I. G, 324
Edney, E B, 29
J M, 778
Edsall, J T, 41
Edson, N. L, 828
Edwards, A B, 818
B. A., 209
D. L., 443
D M., 145
D. M, M.Sc, 184
E., 147, 149
E D., 230, 1080
E E, 1091
E. P., 911
E. W., 427
F. J., 311
F. M., 89
F R, 155
G, 278
G. A, 709
G. E., 517
G. R, 711
H. C., 261, 262
H M, 673
H. R., 798
H. T., 408
H. T. J., 760
I. E., 122
J A. M, 637
J. F., 677
J. G., 187
J. L., 403
J. L. J., 241
J. T., 23
K., 471
K. C., 335
L. P., 659
M. M., 338
O., 1023
O. H., 391
P. D., 43
P. W., 25

Edwards, R. E , 196
R. S., 215
R. W. D., 1246
T., 911
W , 256
W. A., 817
W. B., 107
W. G H , 828
Egan, K. M., 183
Egerton, Sir A. C. G , 199
G. S , 323
R A D , 772
Eggleston, A. S., 770
H G., 84, 432
Eggleton, M. G., 243
P , 487
Ehrenberg, V. L , 191
W., 196
Ehrenfels, Baron U R., 997, 1046
Ehrhart, Rev X , 1000
Ehrlich, W. A , 635
Ehrman, J P W , 84
Eichenberg, K. H. G , 1091
Eichholz, D E , 45
G G , 573
Eichner, H , 192
Eickoff, L F. W., 134
Eiken, E , 244
Einhorn, H , 864
Eirew, H. L , 404
Eise, I. G , 840
Eiselen, G T S , 894
W. M M , 882
W. W M , 889
Eisenschutz, R K , 222
Ekambaram, A., 947
El Ghandour, A. A W., 1107
El Hagri, M. A A , 1108
El-Zeini, M Y , 1108
Elam, C. W., 151
Eland, G M., 45, 54
Elarth, H A , 630
W. V I., 630
Elcock, W D , 249
Elder, H. M , 518
H. M , M D , 615
R , 527
Eldridge, A. A , 199
Elek, S. D., 278
Eley, D. D., 45
Elford, F. G , 780
W. G , 759
Elgar, W. H , 71
Elgood, F. R. M , 437
J H , 1093, 1094
W. N , 48
Elias-Jones, T F., 489
Eliezer, C. J., 1055
Elizabeth, H.M. Queen, 195
Sr J., 656
Élizabeth-Marie, Rev. Sr., 666
Elkes, J. J , 32
Elkin, A. P., 797
P. K., 1055
Elkington, J. St. C., 283
Elledge, C H., 617
Ellenby, C., 112
Mrs. M., 112
Ellett, T. R., 850
Elliot, A. J., 714
H., 315
H. A , 622
J. S., 113
R. C , 517
R. W. V., 522
Rt. Hon. W. E , 1096
Elliott, A. V P., 184
B. R., 757
C A , 78
C. G , 771
D E., 152
E., 108
F. A., 256, 291
F. G , 555
F. J , 496
G. A., 709
G. A., M.D., 912
G A , Ph.D , 816
G. G , 864
H. A., 674
H W , 613
J F , 555
J. R., 812
K A. C , 613
M. R., 546
R. B., 335
R. B., Dublin, 1236
Ellis, A. R , 1082
C , 52
D S., 672, 677
F., 265
G N , 556
G R., 153
H L , 49
H. W , 674
J. C. B , 353
J. H., 635
J. N , 800
K. L , 102
K. W., 691
M , 758
R , 318
R. G , 717, 726
R. T., 474
R. W. B., 489, 493
S. J., 25
S. R. M., 24
V H , 281
Ellis-Fermor, U. M , 192
Ellison, W., 417
Elliston, Sir G , 299
Ellsworth, Rev. R. G., 682
Ellwood, E. C., 110
Ellyett, C. D., 836
Elmes, R. S., 109
Eloff, F. C., 882
G , 878
J. F., 882
Elphick, B. L , 848
Elsden, S. R., 402
Elsey, H. J., 43
Elte, H., 713
Elton, Lord, 178, 366, 382
C. S., 352, 360, 385
G. R., 66
G. R., B.A., 505
Eltringham, G. J., 339
Elvery, R. H., 239
Elvidge, A. R., 613
Elvidge, J. A., 199
Elvin, N. L., 636
Elwell, R W. D., 209
Elwood, H., 541
Embrey, M P , 50
Emden, A. B , 369
Emdin, W , 864
Emeleus, K. G., 534, 538, 539
Emeléus, H. J., 62, 83, 450, 1249
Emerson, A., 111
J. N , 701
L. H. S , 184
Emery, D. W , 152
F. E , 776
L. J., 403
Emmens, C W., 800
Emmerson, J , 525, 527
K. A. M., 777
Emmet, Dorothy M., 74, 314
W. G , 484
Emory, F. H. M., 718
Empey, E., 551
Emslie, J W , 507
M., 895
Emslie-Smith, A H., 113
Mrs. M., 113
Endacott, G. B , 1079, 1080
Endicott, N. J., 704
Engel de Janosi, A. H., 361
Engelbert, V. E., 710
Engelbrecht, F. M., 902
J. A., 879
S. P., 882
England, B. D., 1093
D. E. H , 790
T. S., 113
Engledow, Sir F. L., 70, 81, 447
Englesmith, G., 713
English, R , 29
Enk, P. J., 120
Ennor, A. H., 767, 795
Enright, R. S., 1054
Enslin, H. C., 864
Entwistle, K. M., 314
W. J , 352, 360
Epstein, E. P , 913
I., 304, 307
Z , 150
Erasmus, D. P., 892
J. F. P., 866
Erdelyi, A., 486
Erdös, P., 409
Ereaux, L. P., 612
Ergas, I. H. E., 126
Ericksen, R. F. S., 774
Eriksson, A. W. E., 558
Erith, A. G., 392
Erlam, H. D., 850
Erlank, W. J. du P., 900
Ernestine, Sr. M., 687
Errington, S. C., 102, 104
Erskine, C. A., 1234
S. H., 518
Erteza, A., 1065
Eschmann, Rev. I. T., 708
Escritt, C. E., 382
Esdaile, P. C., 213

Esher, F. J. S., 403
Espie, J. R , 817
Espinasse, M., 446
P. G., 447
Essam, J. M., 325
Essanloff, Mrs. K., 973
Estall, H. M., 674
Esteller, Rev. A., 957
Esterhuizen, A. C., 902
Estermann, T., 242
Etherington, D., 307
I. M. H., 485
Ethier, W , 592
Etkin, B., 710
Ettinger, G. H., 676, 677
Ettlinger, L. D., 390
Ettori, J., 664
Eushaw, S., 998
Eustace, H J., 1238
J. L., 760
Evans, A. A., 138
A. G , 310
Mrs. A K. B., 452
B., 584
B., M D , 437
B. I , 221, 222
B. R., 431
C. A L , 227, 248
C. D , 49
Rev. C. F , 360
D., 416
D , M.B , 437
D E., 420, 428
D. G , 317
D H , 128, 141
D. H., B.Sc., 338
D. H. L , 236
D. L , 896
D. L , B Litt., 242
Rev. D. L. T., 412
D O , 570
D. S , 432
E., 136
E., Ox , 372
E., Wales, 411
E. C., 1082
E. E , 533
E. G. S., 35
E. M , 231
E. R., 425, 428
E. T. R., 417
E. V , 215
E. W., 46
F. I., 155
F. T., 275
G., 418
G., B.Sc., 453
G., M.A., 473
G. B. A., 201
G. C., 62, 82
G. C. D., 437
G. G., 435
G. L., 202, 434
G. P., 541
G. R., 417
G. T. R., 910
G. W., 432
H., 912
H., Ph.D., 1103
Sir H., 264
Evans, H. B., 35
H. G. T., 312
H. J., 238
I., 415
I. A., 789
I. L , xxviii, 411, 415, 1232
J , 448
J. C., 701
J. D , 801
J. Ll., 427
J. R , 568
J. R. C , 638
L. J. C., 1102
L W., 426
M , 435
M , Ph.D., 306
M. D. A., 436
M G , 310, 342
M. W., 760
P. C C , 184
P. J , 32
P. R , 258, 291
R , Ph.D , 460
R. A , 423
R C , 68, 81
R. E , 70
R. G., 447
R. H., 137, 140
R. H., M.A., 452
R. M., 153
R. W , 154
T , 427
U R , 68
W., 264
W , Austral , 809
W. A. L , 428
W. C , 336
W C , Ph D , 415, 417
W. D., 335, 429
W G , 722
W. H., 673
W. S., 512
Evans-Pritchard, E. E., 344, 357
Evaristus, Mother M., 656
Eve, Sir M. T., Bt., 278
Evelyn, K. A., 604, 612
Sr. M , 656
Evennett, H. O., 66, 83
Everett, D., 347, 371
D. H., 521
M. G., 813
Everidge, J., 263
Evers, H. H., 114, 115
Eversley, D E. C., 24
Evetts, L. C., 107
Evison, V. I., 195
Ewald, P. P., 541
Ewart, A. M., 371
Ewen, A. H., 691
W. T., 723
Ewence, G. H., 104
Ewens, F. G., 712
Ewer, D. W., 872
Ewert, A., 351, 367
Ewing, A. C., 68
A. W. G., 325, 327, 331
I. R., 331
J. B., 665, 666
Ewing, J. M., 575
N. R., 24
Ewins, U. E., 452
Ewles, J., 129
Exner, Mrs. H., 574
T. L , 574
Eybers, von W., 886
Eyden, J. L. M , 337
Eyre, D. M. V., 199
S R., 399
Eyre-Brook, A. L., 51

Faber, G C., 357
Facey, J. M. C., 643
Fackenheim, E. L., 708
J , 474
Faessler, C., 593
Fafard, L , 646
Fagan, K. J. B , 805
Fage, C. M., 103, 104
J. D , 1091
Fages, M L., 471
Fagg, S V., 324
Faggioli-Pavolini, P., 313
Fahir, I , 355
Fahmy, E C., 492
Fahy, Rev. T , 1253
Faid, Mrs. J. E , 1081
Fail, H., 113
Fair, T G. D , 870
Fairbairn, D., 619
J , 486
J W., 235
W., 488
W. E , 460
Fairbridge, R. W., 817
Fairbrother, F., 310
H., 201
J. A V., 871
R. W., 317
Fairburn, F K , 873
Fairclough, H. D., 441
Fairhurst, H , 504
R., 156
Fairley, B., 706
E S., 517
J. M , 527
Fairlie, A. A. B., 65, 85
M., 525
Fairmaid, R L., 829
Fairman, H. D., 49
H W., 144, 147, 311
Fairweather, Rev. A. M., 486
Rev. E. R., 708, 732
Faithfull, R. G., 148
Fakhruddin, M., 1024
Fakhry, M., 230
Falardeau, A., 592
J. C , 595
Falconer, A. F., 522
B. H., 200
J., 516
J S., 115
Falk, W., 364, 374
W. D , 775
Falkiner, N. M., 1237
Fallis, A. M., 718
Fallon, M., 527
Falloon, S. W. H. W., 69
Fallows, T. H., 1108

Falls, C. B., 349, 357
Falmouth, Visct., 198
Fani, M. M. A. Q., 991
Fannin, D. G., 869
Fargher, R., 347, 369, 462
Faribault, M., 647
Fariq, K. A., 971
Faris, D. W. G., 1084
J. A., 533
Farish, J., 504
Farley, F. J., 841
Farmer, B. H., 66, 82
E., 69
E. D., 156
F. A , 619
F. T., 113
Rev. H. H., 64, 512
L., 687
Farooq, M O., 933
Farooqi, M. A., 990
Farooqui, R. A., 999
Farquhar, H. G., 153
O C., 471
Farquharson, E. L., 481, 492
I. M., 493
R. F , 714
Farr, Rev. G , 322
Farran, C. D'O., 399
Farrar, K. R., 310
Farrell, B. A., 350
E. W., 1249
M W , 722
R. B , 798
Farrent, T. A , 757
Farrer, Rev. A M., 356, 367
B. H. P., 869
Farrington, B., 431
S. W., 1250
Farris, M., 147
Farrugia, P., 1086
Faruqi, K. A., 974
L. A., 1023
M. A. J., 1022
Q. H., 933
Farvis, W. E. J., 484
Fassler, J., 907
Fatima, B., 1026
Faucher, A., 595
M., 552
Fauconnier, R. L., 673
Faulkner, T. E., 523
Faulks, P. J., 469
Faure, F. J. L., 208
J. C., 883
Fauteux, Justice G. H., 611, 622
N., 649
Favre, A. C., 452
Fawcett, C. B., 248, 342
C. H., 252
S. G. M., 771
Fawcus, G. E., 101, 104
Fawns, H. T., 264
Fay, C. R., 95
Fazluddin, 1024
Fazlul Huq, A. K. M., 1065
Feakes, M. J., 818
Fear, W., 533
Fearn, M. L., 196
Fearnley, C., 138
Fearon, W. R., 1233, 1234, 1237
Feasby, W. R., 715
Feather, N., 486
Featherstone, H. L., 337
H. W., 30
R. E., 770
Fecteau, R., 646
Fee, A. D., 557
Feeney, N , 612
T. E , 581
Feetham, Hon R., 907
Feggetter, G. Y., 116
Fehrsen, F. O., 865
Feilding, Rev. C. R., 731
Feiling, A., 278
Feinstat, M. M., 610
Feldberg, W. S., 95
Feldman, D., 911
Feldsted, C J., 630
Félix, S., 1106
Fell, H. B , 845
Rev. J , 957
Fellowes, H. L., 373
Feneley, G. L , 49
Fenn, H. R. B., 258
Fennell, F. C., 584
J. L. I., 70
Rev. W. O., 721, 730, 733
Fenner, C A. E., 758
F. J., 767, 784
Fenter, D. G , 309
Fenton, A. F., 532
A. G., 813
E. W , 496
Ferguson, A E., 723
A. E , Austral., 773
A. S , 472
B , 569
F. L., 722
F. R., 317, 318
G. A., 608
H. H., 524
J., 108
J. G., 527
J. G. W., 870
J. K. W., 715
R., 611
R. B., 633
R. M., 689
T., 511
W , 517
Rev. W. A., 609, 620
W. J. W., 404
Fergusson, D. C., 488
M. B., 104
Ferland, G., 599
Fernald, H. E., 703
J., 162
Fernand, V. S. V., 1056
Fernandez, A. V. J., 949
B., 1025
Fernando, C. F., 1057
E. N., 1057
I. S. M., 1057
L. J. E., 1057
P. B., 1057
P. E. E., 229
P. T. A., 1058
W., 1056
Ferns, H. H., 691
Ferrar, W. L., 349, 361
Ferraro, V. C. A., 442, 443
Ferrell, J., 574
Ferriday, E. G., 839
Ferris, A. J., 460
Fertel, G. E. F., 43
Fetherstonhaugh, E. P., 641
Feyer, D. M., 306
ffitch, Mrs. M. T., 114
Fichaud, Mrs. G , 698
Fickling, B. W., 270
Fiddes, F. S , 489
J., 400
Fiddian, I. P., 780
Fidlar, E., 715
Fidler, A., 664
Field, E. J., 44
F , 567
G. C , 44, 47
G W , 706
H. E , 835
T. H., 555
Fielden, F , 107
Fieldhouse, A. E., 843
H. N , 606, 620
Fieldsend, H. F., 396
Fife, C. V., 851
I. G., 836
Fifoot, C. H. S., 353, 358, 361, 370
Figueroa, J. J., 184
Filer, M. H., 606
Files, H. G , 605
Filion, E., 646
G., 662
Fillion, E., 594
Filman, C. C., 723
Filteau, G., 591
Finch, C. D., 815
E. F., 403
G I., 199
M. E., 818
R. D. C., 705
R. G , 416
Fincham, J. R. S., 451
Findlater, A. G. C., 469
Findlay, A. P., 804
J. N., 111
J. W., 69, 81
S., 863
W., 625
W. M., 473
W. P. K., 199
Fine, M., 912
Finer, S. E., 358, 455
Fink, P. T., 198
Finkelman, J., 707
Finlay, A. H., 568
C., 774
H., 617
Finlayson, B., 574
C. P., 494
D. A., 527
J. N., 565, 568
L. H., 89
M., 834
Finn, E., 780
Rev. E., 762
E. J., 458

Finn, Rev. R. W., 690, 693
T G., 550
Finnan, E. J , 532
Finney, D. J., 352
H , 390
Finnie, J. G., 697
Finnigan, Mrs. J. P., 527
Finnis, M. M. S., 759
Finter, N. B , 73
Finucan, H M , 789
Fireman, H. H., 675
Firth, G G., 812
J R , 231
M., 104
R W , 215, 768
Fisch, H , 126
Fish, E W , 280
F , 518
N. A , 724
T., 316, 322
Fishel, B , 249
Fishenden, M , 200
Fisher, A. J C , 840
B. S , 869
C F , 447
D J V , 66, 78
D K , 509
F J , 216
H. A P., 357
H J , 436
J , 704
J H., 738
Mrs J M , 713
J R , 796
K C , 710
L. A , 552
M , 911, 915
M G , 488, 497
M R., 840
M. S , 202
N H , 822
R. A., 65, 77, 92
R B , 345, 369, 370
R. B., Austral , 788
T N , 317
Sir W , 389
W. B., 471
W E , 803
Fisk, A., 280
G. H., 617, 620
G. V., 717
Fismer, M. v. d L., 901
Fitt, A. B., 840
Fitton, J , 537
Fitton-Brown, A. D , 420
Fitzgerald, G. P., 830
H W., 832
R. C., 241
R. R., 615
FitzGerald, C. P., 765, 767, 769
Fitzgibbon, Rev. B., 371
G., 1235
FitzGibbon, G. M., 51
Fitzhardinge, L. F., 799
FitzHerbert, J. A., 757
Fitzpatrick, K. E , 774
M., 643
Fitzsimons, R. A., 257
Flack F. C., 573
Flack, G., 312
G. E , 333
Flaks, J , 143
Flammer, E., 680
Flanagan, L , 1248
Flanders, A D., 349
Flattery, T. P., 802
Flay, A H , 847
Fleet, A L , xxxi
Mrs N. M , 209
W F , 306
Fleischmann, A. G., 1251
Fleming, A L , 582
C M , 184
D. S , 611
H. A , 831
J. A C., 284
J B , 1237
J G , 212, 822
J. M., 45
J P , 511
M , 202
M. A., 391
R A , 1095
R. H., 709
R J., 914
Flemington, Rev. W T R., xxviii, 653
Flemming, C. W., 287
Flenley, R , 706
Flentje, Mrs. J., 199
N T , 761
Fletcher, A., 149
A A , 714
B A , 45, 52
C , 304
E. T. D., 272
F T. H , 147
G B A , 108
J. G , 336
R A , 348
Rev. R. F. W , 347, 369
R M , 818
W. W., 503
Flett, W R., 517
Fleure, H J , 240
Fleury, J. W. A., 573
Flew, A G. N , 360
J D S , 286, 292
Flieger, B W., 659
Fliess, H., 712
Flint, A. R , 48
E. A., 124
E. H , 788, 791
H. T., 193
Flockhart, B D., 532
Flood, W. E., 24
Flore, R. F., 698
Florence, D. E., 557
Sr. M., 1030
P. S., 23, 36
Florey, Sir H. W., 354, 362, 768
Floud, J. E., 218
Flower, N. C., 334
Flugel, J. C., 244
Flynn, M. R., 804, 805
Fockema, R. A. P., 909
Focken, C. M., 830
Fodden, J. H., 582
Foenander, O. de R., 772
Fogarty, M P , 373
O. J., 1086
Rev. W. P , 684
Fogg, G E., 237
W., 416
Foggan, D., 115
Foggie, W. E , 530
Foley, A J , 1093
A R , 598
W. T., 684
Folinsbee, R. E , 551
Folkes, B F , 44
Folkierski, A , 203
Folley, S J , 394
Folscher, W. J , 872
Fone, D. M , 382
Fonseka, E. L , 1054
Fontaine, H , 593
R , 647, 648
R P P , 647
Fontanive, W. W , 893
Fontenilles, A. J. M , 102
Foohey, D E , 579
Foord, B. G , 121
Foot, A S , 393
Mrs P. R , 372
Foote, V J , 1090
W. R , 614
Forbes, B R V , 800
D , 75
G , 402
J A , 550
J A., Austral., 779
M , 571
P B. R , 483
R. H., 502
R J , 314
V. S , 896
W., 490
Forcier, Rev G , 662, 666, 667
Ford, A. J. T., 754
A R., 735
A. T G., 396
C. T., 835
E , 799, 804
E. B., 352, 368
E M., 198
F., 605
Justice F., 551
F. J., 509
G , 554
H., 200
H A. J , 777
P., 457, 461
P , F.L.S , 574
V C R , 1097
W. M., 698
Forde, C. D., 236, 248, 1096
Forder, H. G., 840
Fordham, A. A., 431
M. G. C., 151
Fordyce, C. J , 502, 503, 513
Forest, L., 664
T. R. P. C., 646, 649
Forman, A., 974
F., 865
L., 258
Formby, M. L., 287
Formston, C., 228

Forrest, G. A., 46
J., 524
J E, 222
R. A. D., 230
Forrester, Lord, 280
R B., 415
W. R., 521, 528
Forsberg, C R, 692
Forsey, G F, 457
Forshall, I, 153
W., 402
Forshaw, R. P., 722, 724
Forster, D M, 454
D S, 604
H. P, 912
H V, 153
J M, 719
L W, 82, 241
M G, 115
R. M., 249
S. de C, 337
Forsyth, A A, 507
J. S, 136
R J, 513
W. J, 674
Forsythe, D K, 1095
Fortes, M, 61
Fortescue, C L, 205
Fortier, B, 664
de la B, 595, 598
E., 593, 594
E, B Th, 599
E, M D, 598
G, 597
Fortin, L de G, 590
Fortune, R F, 61
Forward, D. F., 702
F A, 572
Foss, B M, 351, 384
Foster, A. G, 224
A W., 185
C L, 280
D B. E, 437
F. G, 533
F G, B A Dub., 446
F S, 67
I. Ll, 345, 361
J, 132
Rev J., 504
J F, vi, xxxi, 602
J. G., 357
J S, 607
P. F., 426
Rev R J, 29
W., 740
W. E, 101
Fostvedt, T., 552
Fothergill, P. G., 108
Fotheringham, Ven. J. B., 731, 732
Foucar, H. O, 738
Foulger, Rev. T. R., 1004
Foulkes, H. O., 432
Fourie, D. J., 881
F. C. v. N, 876
I. J. v. H., 892
P. J. J., 884
Fournier, Rev. A., 1000
Abbé O., 645
R., 646
Fourquet, J., 342, 409
Foweraker, C. E., 834
Fowke, V. C., 690
Fowler, A., 476
A F., 613
Mrs. E., 193
E. L., 554
F J., 126
H. M., 720
J, 559
P. H., 47
R. J., 58
W J R., 724
Fowweather, F., 324
F S, 133
Fox, Lady A., 441
A. C, 818
A. M., 675
C, 607
E. C, 34
E C, LL D, 624
E. J, 735
E N, 71, 84
F W., 914
G. M., 912
H. M, 193
J E, 441
J H, 441
J. W., 243
J. W, B A, 840
P M., 777
R., 240
S, 392
T. R C, 79
Foxon, G E H, 258
Foy, C, 595
Foyle, A. M, 237
Fozzard, I, 148
Fraenkel, E. D M., 346, 360
Frampton, A de K., 1105
France, K. R, 508
R. S., 148
W. G, 134
Franceschetti, A., 1239
Francey, G H., 788
Francis, Mother, 781
A. J, 25
E. A., 347, 372
E. T. B., 401
F. C, 242
J. F., 723
J R. D, 200
K. H., 399
Mrs. W. P., 698
Franco, J., 1002
Françoise de Chantal, Rev. Sr., 666
Frank, F. C., 47
Frankel, J. J., 870
O. H., 848
S. H., 346, 374
Franken, J. L. M., 901
Frankfort, H., 190
Frankl, E. K., 71
Franklin, A. W., 275, 291
D., 1246
E. W., 723
G., 616
H. W., 306
J. L., 289
Franklin, K. J., 276
M. C., 800
N. L., 136
Franks, M, 912
W. R, 713
Franzsen, D. G., 880, 905
Frappier, A., 647
Fraser, A., 55
A. D., 50
A. H. H, 473
A. M., 154
A. M., M.A., 643
A. M, M D, 587
C. F., 578, 580
D, 325
D, India, 958
D. A. S., 707
D. B., 275
D M, 154
D. T., 713, 718
E. A., 245
E. D., 473
F. A., 578, 584
F C., 606
F. H., 713
Sir F. R., 291
G. N., 528
H, 394
H. A., 481
I. M., 692
I. T., 525
J, 1242
J. A., 324
J S, 786
K B., 474
M, 799
M. B., 802
P. E., 836
P. M., 348
R, 476
R, Canada, 653
R. A., 697, 699
R M., 547
S. D, 557
T N, 510
T R., 291
W, 208
W. E., 471
W I. R., 485
W. R, 699
Fraymouth, J., 44
Frazer, A. C., 32, 42
G., 673
W., 517
W. M., 154
Fredericton, Bishop of, 588
Freed, P., 662
Freedman, A. O., 614
R. M., 488
Freeland, J. M., 538, 540
Freeman, C., 512
C. B., 448
E. G. D., 633
G. F., 306
H. A., 625
L. J., 307
P, 401
R., 195
R. B., 245
T. W., 312, 1242

Freer, P., 907, 916
Freestone, H. M., 240
Freeth, F. A., 239
Frégault, G., 646
Frei, Prof., 41
Freislich, J. G., 911
Fremlin, J. H., 28
Fremont, C., 595
French, A , 757
A. P , 69
C. M , 221
E. B., 490
G. S , 624
R. B. D., 1235
R. de L., 610
T. H , 394
Fretter, V , 197
Freudenthal, W., 286
Freundlich, E. F , 520
H. F., 73
Frey, J., 538
Fricker, K. M , 605
Friedıger, A , 1090
Friedlaender, E., 901
Friedlander, F. G., 314
Friedman, J., 912
J. E , 456
J R., 215
S. M , 572, 604
Friedmann, W. G., 777
Friel, E. S., 1238
Friend, F. B., 712
G. F , 486
Frigon, A., 650
Frisch, O. R., 68, 84
Frith, Rev. H I., 460
J., 331
J. F. S., 801
Fritz, M. A., 705
Frizelle, G. M., 299
Fröhlich, H., 41, 149
Frood, A. M., 391
Frootko, J. I. H , 915
Frost, C., 911, 915
G. B., 672
R., 150
Rev. S. B., 55
S. T., 778
Froud, M. D., 251
Frowein, Mrs. I., 127
Fry, B. A., 402
D., 41
D. B., 243
F. E. J., 710
R. M., 73
Fryde, E. B., 416
Frye, H. N., 704
Fryer, D. H., 112
D. W., 1082
J. F., 558
J. R., 562
W. R., 335
Fuchs, W. H. J., 149
Fulkerson, R. S., 723
Fuller, G. R., 759
J. G., 335
Rev. R. H., 29
T., 1094
T. A., 864
Fullerton, C. W., 612
Fullerton, H. W., 475
R. D., 607
Fulton, A. A., 526
A. S , 484
F., 299
J., 518
J. S., 154
J S , Canada, 692
J. S , M.A., 362, 431
R. A. H., 831
Fundaminsky, A., 242
Funnell, W. S., 730
Funt, B L., 631
Furbank, P. N., 77
Furber, B. N , 324
Fürer-Haimendorf, C. von, 232
Furley, D. J., 238
Furlong, E. J. J., 1234, 1236
Furness, Mme L. T., 608
Fürth, R , 196
Fyfe, F. W., 469
M L., 830
Sir W. H., 602
W. S., 828
Fynne, R. J., 1235, 1240

Gabor, A , 334
D., 200
Gabriel, A. C , 796, 805
A. M., 999
J., 844
O. M., 184
R. M., 829
Gaddum, J. H., 489
Gadgil, V. M , 1024
Gadouas, Rev. O., 662, 663
Gads, L. E , 553
Gaffney, J. C , 1237
Gage, M., 835
W. H , 565, 571
Gagné, A., 591
C., 590
H., 599
J. A., 596, 600
M., 596
R., 664, 666
Gagne-Mayer, Mrs. L , 666
Gagnon, A., 591, 600
A., M.D., 646
E., 646
F., 598
G., 599
Rev. G., 667
H., 594
Hon. O., 597
P. E., 591
Mgr. R., 602
R., B.S.A., 590
Gaigher, R., 872
Gain, E. A., 554
Gainsborough, H., 278
Gair, J. C , 527
Gairns, F., 506
Gaisford, W. F., 317
Gaitskell, A., 1107
Gajnik, B. S., 989
Gal, H., 486
Galbraith, V. H., 349, 365
W. W., 511
Gale, E F., 62, 82
H. P., 1097
Galea, J., 1087
V. R., 1086
Galer, R., 35
Gales, D L., 603
Gall, A. J. M., 321
Gallagher, J , 84
J , D.V.M., 725
P. H., 1247
P. J , 1253
Galley, B. L , 822
Gallie, W. B , 455
Gallon, G , 399
Galloway, A , 1097
D , 658
J H H , 508
T. McL., 301
Gallus, H P C , 761
Galt, R W. C., 482
Galton, D , 188
Galway, M., 25
V. E., 830
Gamble, A. A , 797
Gamblen, F , 818
Gamlin, R., 153
Gammie, J L , 490
Gammon, Mrs M , 1000
Ganado, J M , 241, 1086
W , 1087
Ganapathy, K., 949
Ganapati, V., 1000
Ganapati Ayyar, V , 948
Gandhekar, S. S , 1000
Gandhi, S. S., 973
Ganesan, A. S., 1041
N., 948
Ganguli, A N., 988
B. N., 972
C , 1064
Ganguly, P. B., 1030
Gani, J., 774
Ganjoo, P. N., 990
Ganly, A , 1238
Ganner, P. J., 31
Ganz, P. F , 226, 249
Gapper, R. L., 416
Garabedian, D , 370
Garant, O., 598
Garcia Blanco, Prof , 162
Garcia Lora, J., 29, 42, 162
Garde, D. K , 1018, 1020
M. L., 796
P. K., 973
Garden, Rev. J. H., 558
R. R., 50
Gardham, A. J., 287
Gardiner, A. C., 517
C. E., 831
F. W., 477
J. E., 123
J. H., 404
L. R., 822
Mrs. M., 213
P., 213
P. L., 369
R. K. A., 1095
W. J., 719
Gardiner-Hill, H., 283
Gardner, A. D., 354, 360

Gardner, C M., 615
D. E. M., 184, 218
D M , 536
F. V., 272
G , 649
G H. F., 1236
H L., 347, 373
P A D , 507
R., 63, 76
W. H , 870
W. J., 835
Gardner-Smith, Rev. P., 64, 78
Garforth, F. W., 446
Garg, D., 975
K , 975
K L , 928
Garnépy, L. H , 648
U , 648
Garland, C. W. A , 251
G D , 706
H. B , 441
Mrs H B , 441
H G , 132, 133, 135
M E , 780
Garlick, G. F. J., 28
H. W., 779
Garmaise, D L , 658
Garmany, G., 289
Garmonsway, G. N , 208
Garneau, B , 593
J , 590
J B , 594
Garner, F. H , 24
R. J., 145, 151
W E , 45
Garnett, A., 399
Garnham, M E , 675
P. C. C , 299
Garnier, B J , 829
Garran, Sir R R , 822
Garrard, E H , 722
N A , 367
Garrett, C. H , 323
H. E , 847
J. C., 835
P A , 26
S. D , 62
Garrick, F. J., 124
J. A , 517
Garrod, D. A. E., 61
H W , 363
L. P., 275
Garry, R. C , 506
Garside, D., 325
J. E , 306
J. E., Leeds, 136
J. S., 1108
R. F., 115
Garstang, F., 157
R., 372
W., 143, 389
Gartley, K. M., 723, 724
Garton, W. R. S., 202
Garven, H. S. D., 506
Garvie, I., 508
Garwood, E. J., 143
R. D., 427
R. F., 221
Gash, N., 323
Gaskin, A. J., 774
Gasking, D. A. T., 775
Gasquet, E., 65
Gatch, H. L., 674
Gatehouse, M., 232
Gatenby, J. B., 1237
Gates, F R., 632
Gatien, R., 648
Gatman, M. W. A., 403
Gatt, V., 1086
Gattegno, C., 184
Gattet, B , 651
Gaudet, C., 686
Rev. D , 686, 687
G , 687
J., 687
Rev. L , 686, 687
Gaudette, G., 590
Gaudin, F , 399
Gaudon, J. A. M., 312
Gaudreau, L., 687
Gaudron, E., 594
Gaudry, R., 597
Gaughan, M. L., 338
Gauld, W. R., 475
Gaulin, A., 667
E., 665
Gault, E W , 1004
Gaumond, E., 597, 599
Gaunson, F H , 781
Gaunt, R. T., 409
Gautam, P , 1019
Gauthier, A , 649
A., B S.A., 590
A., L Sc., 646
B , 668
C. A., 597
G., 590, 591
G , D D.S., 648
G , Ph D., 592
Abbé O., 646
P. P , 647
R., 645
Gautier, J M. H , 312
Gauvin, W., 609
Gauvreau, J. M., 645
Gavey, C. J , 289, 291
Gawley, H. N , 632
Gawne, S. C., 320
Gawthorpe, W , 405
Gaydon, F. A., 47
Gaylor, J. B., 310
Gazdik, J. G., 611
Gaze, G. C., 773
Geach, Mrs. G. E. M., 372
Geake, F. H., 393
Gear, J. H., 912
J. H. S., 914, 915
Geary, A., 307
F. C., 360
G., 547
Geddes, A., 484
A. E. M., 472
A. G., 460
A. K., 614
H. J., 800
J. E., 33
J. H., 737
W., 148
Gedge, E. C., 250
Gee, B. C., 537
F. L., 1097, 1098
G. C. G., 451
H. P , 451
L. W., 835
O. R., 249
Geerling, R., 913
Geffen, Z. N., 909
Geissinger, M. E., 556
Geldenhuys, F. G., 885
J. J , 881
Gell, P. G. H., 32
Gellie, G. H , 771
Gelrud, P., 633
Gemmell, A. A., 154
A. R., 455
D. H. O., 518
D. M., 876
J. P., 636
Gemser, B., 882
Gendron, Rev. J., 662, 663
Rev. R., 666, 669
Genest, A., 596
Canon O , 595, 602
R , 647
Gennery, S. G., 643
Gense, Rev. J., 957
Gent, W. L. G , 258
Gentilli, J , 817
Geoffrion, C., 595
P., 648
George VI, H.M. King, 22, 44, 123, 144, 164, 195, 198, 229, 308, 390, 397, 411, 531, 1078, 1086, 1099
George, A. R., 610
C J , 958
E. P., 196
F. H., 47
G., 674
J , 476
N. C , 71
P , 64
P., M.Sc., 415
R. K., 713
T. N , 504
W. H., 307
Georgiades, G., 885
Gera, S D., 975
Geraghty, J. A., 1248
Gerard, R. W., 769
Gerdener, G. B. A., 902
Gericke, A. M. M., 884
Gérin-Lajoie, A., 647
L , 648
Sr. M., 650
Gerrard, A. H., 237
E. A., 318
G , 802
H., 311
J. W., 32
W., 306
Gerrie, J., 480
J. W., 616
Gershevitch, I., 74
Gerson, W., 630
Gertrude, Mother M., 1004
Sr. A., 656
Gervais, Rev. J., 668

Getty, J , 392
R. J , 703
Gevers, T. W., 909
Geyer, E. W., 508
J. W. C., 883
Geyl, P , 162
Geyser, A. S , 882
Ghadially, F N , 403
Ghaisas, V. V , 955
Ghani, M , 1002
M. O., 1065
S A , 1025
Gharpure, P V., 957
Ghatak, M N , 991
Ghent, W R , 491
Ghobrial, S , 1108
Ghosal, K N , 1048
Ghose, N D , 1031
P K , 1047
S N., 926
Ghosh, A , 1031
A., Nagpur, 1017
A. B., 972
A. K , 990
C S , 1052
G K , 1030
L , 1031
M. K , 937
M. M A , 972
P. C., 994
P K , 1025
R. N , 938
S , 937
S C , 962
Ghoshal, N. N., 1018
Ghurye, G S , 955
Gianetti, G. G , 1102
M , 1102
Giasson, A , 590
Gibb, A. D , 508
H. A. R , 355, 367
J A C., 251
W , 517
W. E , 275
Gibberd, G F , 259, 292
Gibbon, V., 104
Gibbons, A M , 150
J. W., 331
R. J., 664
Gibbs, C , 1026
D. F., 47
E F , 48
J., 29, 42
J. G , 843
J. M., 426
M. E., 432
N. H , 349, 363
R. D , 604
R. E., 243
Gibby, C. W., 101
Giblin, N., 608
Gibson, A. H., 331
Mrs. A. I., 421
A. J., 851
C. R., 49
C. S., 260
D. L., 692
D. T., 503
F., 494
F. W. E., 778
Gibson, H. J. C., 526
J. B , 510
J. E , 675
J. M , 658
J M. W , 320
J. R , 33
L. J., 773
M J , 525
N A., 797
N A. S , 444
N. H E , 131
P B R , 25
Q B , 822
Q. H , 400
R., 526
R J., 29
R. W., 633, 637
T , 488, 496
W C , 573
W. H. H., 801
W. M , 47
W. M , M.B , 511
Gideon, E , 1025
Gie, A. H., 382
Giffen, E , 221
P. J , 709
Gifford, C. H , 46
C. J , 458
D J , 524
F. W , 200
P. W. W , 408
Giguère, A., 599
P A , 591
Gilabert, P , 473
Gilani, M. A , 1022
Gilbert, A , 400
C , 907
C , Ph.D , 110
C. W , 315
E. W., 348 361
G. A., 23
J., 598
J C , 398
L F., 238
M , 109
Rev. M., 668
M. E., 222
O. J. W., 316
R K , 494
R. L., 777
W. D., 672
Gilbert-Carter, H., 62, 92
Gilchrist, A., 109
A. A., 822
A. R., 492
B. M., 193
H. A , 557
J. A., 513
J. D , 518
J. M., 537
Mrs. W. M., xxxi
Gilding, H. P., 28
Giles, A. F., 485
B. D., 369
C. H., 517
M. D., 509
R., 506
Gilham, C. W., 128
Gilhooly, J. P , 665
Gill, A., 347, 363
Gill, C., 450
D. A., 800
E., 780
E. W. B , 363
H. B , 761
J E , 606
M , 185
P S , 934
R S., 721
S. S , 324
W. D., 335
Gill-Carey, C , 295
Gillam, D G , 771
J. P., 108
Gillams, J. L , 360
Gilles, J W., 550
Gillespie, M , 737
R. J., 238
R P , 505
S C , 506
W. A , 50
W. H., 218, 291
Gillespy, T G , 54
Gillett, E , 448
E W , 816
Gilley, J R , 720
Gilliatt, Sir W , 261, 263
Gillies, A., 127
J , 491
J C , 123
J. F , 537, 540
M M , 445
R M., 781
S M , 372
Gilliland, H. B., 908
Gillingham, J T , 566
Gillis, Rev J H , 684
Gillman, J , 910
T., 907
Gillson, A H S , xxviii, 63
Gilman, E., 486
J. P. W., 724
Gilmore, E St G , 331
Rev. F., 957
Mrs M J , 534
Gilmour, D G., 71
G. P , 624
J., 116
P. M., 836
Rev. S. M , 675
Gilpatrick, J. D., 722
Gilpin, A , 261
Gilson, E., 708
Gimi, J F , 1016
Gimingham, C. H., 469
Gimkey, S. F., 909, 911
Gimson, A. C., 243
C E., 334
Sir F. C., 1082
Ginestier, P , 446
Gingras, R., 597
Ginsberg, H , 911
M , 218
Ginsburg, M., 51
Ginswick, J., 798
Gipps, G. de V , 790
Girard, A., 667
Girdlestone, C. M., 111
Girdwood, R. H., 490
W., 914

Girgis, S., 1107
Giri, K V, 1051
Girling, H. K, 909
Giroux, A, 594
G M., 597
M., 597
Rev. M., 668
Girvan, R, 515
Gisbert, Rev. P., 957
Gisella, Sr. M, 1004
Gissane, W, 33
Gitnick, P. J., 616
Gladstone, G P, 354
Gladwell, C W L., 65
Glaessner, M. F, 758
Glaister, E E., 200
J, 509
Glanville, I M, 249
S R. K, 65, 79
Glaser, I., 533
Glasgow, W D, 400
Glason, B. M, 317
Glass, D V, 218
Glassen, P, 634
Glazebrook, G. P., 730
J H, 847
Gledhill, A., 232
J A, 895
Glees, F P, 351
P, 41
Gleeson-White, M. H., 73
Glen, A, 510
Rev J S, 721
Glenn, W A, 654
Gliddon, J E C, 222
Glover, J, 145
J H, 840
J S, 724
R, 633
R. E., 151
Gluck, B, 437
Gluckman, H. M., 316
I, 912
Glucksmann, A G., 42
Glyde, H. G, 551
Glynn, A A, 409
B C C, 610
J W, 834
R. M, 760
Glynne, A, 324
Gmeiner, C., 761
Gnanamuthu, C. P., 998
Gnanamuttu, A., 1002
Goadby, H. K., 283
Gobind, S. K., 1030
Goble, H. W., 723
Goda Varma, K., 1042
Godard, J. S., 610
Godbole, D. M., 1019
R. D., 957
Godbout, G, 596
M., 596
Goddard, Lord, 868
L. S., 472, 530
Godden, W. G., 532
Godfrey, C. F., 1233
F. La T., 1234, 1236
M., 343
R., 719
R. J., 717
Godfrey, S. A, 218
Godin, H. J. G, 533
Godley, E. J., 839
Godsmark, B., 133
Godward, M. B E, 221
Godwin, H, 62, 75
H. J., 432
Goetz, R. H, 41, 866
Goffman, E., 482
Goggio, E, 706
Goguen, A., 687
Gohokar, D. Y, 992
Goitein, H, 24
Gokhale, L. K., 1016
M. S, 1016
Gold, T, 69, 84
V, 207
Goldberg, L, 772
L. S, 584
Goldblatt, M W., 318
Goldbloom, A, 614
Goldby, F, 280
Goldfinch, H, 791
Goldie, A. W, 110
W., 133
Goldman, M. D., 776
Göldner, S R F, 901
Goldsack, S. J, 315
Goldsbrough, G. R, 100
Goldschmidt, E. E, 918
Goldsmith, A., 911
A J B., 268, 292
M E, 46
W. N, 286
Goldspink, E. C., 451
Goldstone, C. L., 851
Goldsworthy, N. E., 805
Golgher, T. E., 537
Goll, E, 784
Golla, F L, 49
Gomati Sankara Ayyar, V. S., 948
Gombrich, E., 345
Gomes, R. A, 1064
Gomme, A W., 503
Gonin, H L., 880
Gonsalves, Rev. A., 1000
Good, E M F., 770, 773
H. M., 671
J G, 762
R. D'O., 445
W, 516
Goodall, A. L., 511
D. W., 771
H. B., 526
Goodbody, M., 46
Goode, R J., 35
Gooderson, R. N., 72, 81
Goodey, T., 307
Goodfellow, J., 134
Goodhart, A. L., 353, 367, 374
C. B., 77
Goodlet, B. L., 864
Goodman, A. E., 73
E. E., 138
N. M., 318
N. R., 350
P. M., 813
R., 335
Goodrich, R. M., 346
Goodridge, H B., 643
Goodspeed, F. M. C., 572, 673
G., 689
Goodstein, R. L, 452
Goodwin, A, 289, 292
A., M A., 349, 361
A. J. H, 860
D V., 441
G. L, 217
J. E, 718
J. F., 409
L., 558
T H., 503
T. W., 145
Goodwin-Wilson, R., 723
Goodyear, J., 447
Goold, G. P, 445
Goonewardene, S, 1056
Goossens, A. P, 892
Goot, H., 851
Gopal, M H., 1009
R, 990
S, 941
Gopal Krishna, A., 1020
Gopal Rao, E. V. S. S. S. V., 942
Gopala Raja Chetty, C., 1010
Gopala Rao, G., 941
Gopalakrishna, B. P., 1010
C., 1010
H. V., 1052
Gopalakrishnan, G., 947
T. P, 1003
V, 947
Gopalan Nair, M. P., 1042, 1043
Gopalaswamy, K. V., 940
M. V., 1009
Gopsill, G. H., 334
Goranson, E. S., 715
Gordon, A. I., 610
A. M., 494
A N, 201
A. R, 702
C., 488
C D., 605
C. G. S., 152
D. C., 616
D. J., 391
D. S., 508
G., 351, 359
H. D., 843
H. M., 800
H. W., 278
I., 475
I. A., xxix, 825, 827, 843
I. L., 311
J., 131
J. E., 487, 496
K., 612
K. C. T., 149
K. W., 692
M., 323, 517
R. M., 147
R. R., 402
S. C., 184
S. D., 716, 717
W., 673
W. A. M., 535
W. T., 212

Gordon-Gray, C. G., 873
Gore, J. D., 698
M. S , 975
N. N., 699
Mrs. P., 975
T. S., 956
Gorer, P. A. I , 259
Gorham, A P., 49
Gorman, E. J., 682
M. J , 1247
W. M , 24
Gormley, P. G., 1246
Gornall, A G., 714
Gorner, F , 325
Gorodetzky, N., 352
Gorowara, K. K., 973
Gorrie, C J R., 780
Gorrill, F S., 210
Gorvett, H , 203
Gosney, W. B , 109
Goss, F. R., 125
Gossage, A. J , 208
C. D., 701, 719
Gosse, C L , 583
M., 582
N H , 583
Gosselin, G., 646, 647
J , 597, 599
P. E , 594, 596
R , 594
Goswami, G , 973
H., 1030
M N., 962
N C., 1048
Gotlieb, C C., 709
Goto, H. E , 203
Gotto, R V., 534
Goudge, T. A., 708
Goudriaan, J., 880
Gough, H., 1259
J., 436
J. W., 349, 365
K , 161
K. A., 835
Goun, J., 662
L. M., 649
Gould, D. W., 1080
Mrs. M , 196
R. P , 251
S. C., 46
S. J., 433
Goulding, A. M., 713
Goulston, E. H., 804
S. J. M., 803
Gounder, A. R., 1002
Gour, Sir H. S., 1041
Gourevitch, A., 33
Gourlay, C. C., 567
N., 24, 35
W. N., 557
Gouthreau, O., 664
Gouws, J. B., 879
Govan, J., 537
J., Canada, 633
Goveia, E. V., 1099
Govier, G. W., 553
Govil, K. L., 937
Govinda Menon, K., 943
Govinda Rao, C. V., 949
M., 998
Govinda Rao, M. A., 997
Govindachari, T. R., 999
Govindarajalu, L. K., 949
Govindarajan, M. S , 948
S. R., 999
Govindarajulu, A. S , 1003
S , 1003
Gow, A. S F., 63, 83
J. J , 1107
Gowan, E. H., 552
I. L., 337
Gowans, U G. J., 777
Gowar, F. J. S , 476
Goward, D. G., 550
Gowdridge, B. M., 85
Gowenlock, B G , 431
Gower, L. C. B , 217
Gowing, L., 107
Gowri Kumari, M G , 948
Goyette, A , 663
Goyle, A. N , 981, 982
Grace, A. J , 738
W H., 153
Gracey, T L , 534
Graddon, D. P., 323
Gradon, P. O. E , 192
Graf, H., 884
Graff, W. L , 606
Graham, A , 197
A. B , 841
A. H , 896
A J P., 491
A. M., 50
C. D , 48
C. H., 805
C. W., 492
D. J., 689
D L , 1004
D. S. M , 520
E. P. M., 322
G. S , 209
H., 532
H. T., 162
J , 1090
J. B., 446
J. D. P., 435
J. E. L., 625, 631
J. F., 579
Rev J. G., 104
J K. L , 27
J. M., 474, 478
J. V., 578, 583
J. W., 630
J. W., Ph.D., 702, 714, 717
K., 574
M., 1098
M. P., 270
N. C., 535
P. M. M., 1097
R. J. D., 520, 528, 529
R. P., 625
R. P. D., 606
S., 509
S. H., 436
S. H., B.Sc., 503
T. O., 723
T. S., 505
V. E., 551, 552
V. E., Ph.D., 692
Graham, V. W., 1235, 1236
W., 689
Rev. W. C., 633, 638
W. R., 693
Graham-Bryce, A., 320
Grahame, T , 482, 495
Grainger, J., 513
J N. R , 447
W. A., 805
Grandbois, J , 597
Graneek, J. J., 531
Grant, A. D., 359
A K , 759
A M., 775
A. M. B , 804
C K , 336
D , 778
G., 22
G , M B., 437
G M , 526
G. R. M , 788
Mrs H F , 70
H G , 582, 585
H T., 338
J., 469
J C., 474, 476
J. C. B., 713
J. D., 569
J J., 101
J K., 482
Sir K., 762
K M., 582
L , 567
L F , 680
M., 483, 1231
M. E., 547
R. L. T., 759
R M., 326
R. R., 711
W , 488
W. D. B , 704
W. F., 861
Grant-Bailey, S N , 359
Grantham, J., 76
Granville, Earl, 541
Grassie, J C., 470
Gratton, Rev. H., 667, 668
Graty, T. C , 322
Grave, S. A , 818
W W , 60, 77
Gravel, Rev. J., 667
J. P. A., 596
L., 591
L P., 593
Graves, A. M., 46
Graveson, R. H., 209
Gray, Sir Alexander, 483
Sir Archibald, 286
Rev. A. A. W., 813
A. O., 256
Mrs. B. J., 452
C. A. M., 801
C. H., 237
C. H., F.R.C.S., 273
C. H., F.R I.C., 261
D., 512
D. F., 778
D. H. F., 345, 372
E. D., 308, 319
E. M., 829

Gray, E. W., 359
F. W , 877
G. C., 452
G. W., 445
H. R , 335
J., 563
J., D.Sc., 70, 78
Rev J , 316, 322
J. A., 674
J. C., 716
J. E., 113
J. E. B., 229
J. F., 1080
J R , 512
J R , B Sc., 523
J. W , 533
K. G , 713, 715
K. G , M Sc , 869
M , 420
M. C., 758
P. H , 43, 337
P. H H., 618
R. C., 506
R. D , 66
S W., 780
T. C., 152
T. J , 45
V. E , 707
W. M., 392
Graydon, W. F , 711
Grayeff, F., 830
Grayson, C., 349, 369
J , 48
Grayson-Smith, H., 552
Grayston, Rev. K , 55
Greatorex, J C., 227
Greaves, H. R G , 217
I C., 215
J. L., 113
R. I N., 73, 77
R. W., 192
W. M H , 482
Grebenik, E., 216
Green, A. E , 103
A. E , Sc.D , 110
A. L., 643
A. V., 722
A. W. T., 446
C. A., 113
C. de V., 288
D. M , 525
F. C., 65, 79, 356
F. W , 95
H. A. C , 224
H. G., 336, 340
H. G., Canada, 698
H. L. H. H., 61, 83
H. N., 403
J., 474
L. C., 241
L. L., 149
L. M. A., 756
L. P., 870
M. M., 231, 233
M. W. S., 30
N., 675
P. S., 23
P. T., 636
R. A., 70
R. B., 98, 107, 113
Green, S. H., 22
S. J , 24
S. L., 850
S. L., M.Sc., 222
Rev. S. W., 1080
T. L., 1055
W. G , 495
Green-Armytage, V., 292
Greenaway, G. W , 441
T. M., 803
Greenbaum, A. L , 237
Greene, Lord, 357
D., 534
E , 549, 556
E. J. H., 552
F. B., 699
Greenfield, A. D. M., 534
Greenhill, S , 555
Greening, Rev. E. W., 1238
Greenish, V. A. F., 270
Greenland, G M., 426
Greenlaw, J P , 1108
Greenlees, A. M. C , 129
Greenman, G , 912
Greenslade, C. M., 831
Canon S. L., 34, 104
Greenwood, A. D., 124
A N., 137
G., 789
H., 860
J N , 775, 784
K., 1083
L. H. G , 76
T., 646
Greer, E , 637
H. L. H., 536
Greeves, Rev. F., 55
Greey, P H., 715
Greg, W. W , 240
Gregg, A. H., 1234, 1236
A. S., 251
Sir C , 215
J. W., 553
M., 23
N. M., 804
S. J., 440
Grégoire, J., 651
J., B.A., 663
J., M.D., 598
Jeanne, 687
J. E., 595
L., 646
Gregor, M. J. F., 487
Gregory, A. L., 325
C. C. L., 190, 242
E., 829
F. G., 198, 203
H. R., 25
H. S., 202
J., 558
J. B., 836
J. C., 127
J. E., 101, 104
R. A., 150
R. W., 109
W., 460
Gregson, T. W., 458
Greig, J., 208
J. Y. T., 908
Greig-Smith, P., 309
Grenier, H., 594
J., 596
P , 592
Gresham, A. H., 832
Greshoff, C. J , 862
Gresson, R. A. R., 534
Gresswell, R. K., 147
Greville, G. D., 62
Grew, K. E., 442
Grewal, T. S., 972
Grey, A., 845
D. R., 830
R. Y., 674
S., 1091
Greystoke, J. R., 398
Gribbin, T. K , 445
Gribbon, C., 663
Grice, H. P , 350, 367
K. J., 779
Grice-Hutchinson, M., 197
Grierson, M., 250
M , Mus Doc., 486
P., 66, 77
Grierson-Jackson, W , 566
Grieve, B. J., 816
J , 527
Griffin, A K., 578, 579, 588
J. D. M , 719
L. R., 432
Griffith, B. A., 707
B. G., 569
E. W., 156
G. T , 63, 77
H. D., 472
H. R , 611
J. A G., 217
J. G , 348, 361
L., 537
M. B., 426
O. F., 719
R. O , 145, 158
T. C., 242
T. G., 127
Griffiths, C. P., 75
D. H., 312
D. J., 418
D. Ll., 315, 320
Rev. D. R., 412
E., 434
E. T., 435
G. E., 191
J., 146
J. E., 417
J. G., 431
J. H. E., 350, 363
M. A., 431
M. E., 347, 373
M. G., 719
R., 432
R. B., 151
S. B., 913
T. H., 433
V., 835
W. J., 284
W. M., 828
Griffits, A. E. H., 812
Grigg, E. C. M., 788
U. M., 112
Grima, Very Rev. S., 1086
Grimbleby, F. H., 393

Grimes, M., 1251
S. E., 667
Grimmond, R., 873
Grimms, A E. P., 1078
Grimshaw, M. E , 67, 86
R. W., 136
Grimsley, R , 421
Grimson, G A., 603
Grindley, E. N., 863
G. C , 69
Grisbrook, H., 25
Grist, Mrs R , 124
Grobbelaar, C S , 902
Grobicki, G A , 710
Grobler, P. du P , 870
Grobtuch, A., 772
Grodecki, J K , 43, 47
Groenewald, A. J , 882
E. P , 882
I. J., 903
J. W , 884
Groenewoud, P. W. G., 876
Gronau, H , 53
Groom, B , 624
G. E , 432
Grootenhuis, P , 201
Grose, S. W , 75
Gross, J , 604
Grosser, B J , 776
Grotewohl, D , 719
Groulx, A., 647
Canon L , 646
Grounds, R B , 770
Grout, J L A , 403
Grove, A T , 66
D M., 221
G. A , 26
R. B , 334
Grové, A. P , 870
Grover, S R , 979
V M , 862
Groves, G., 572
M. C., 774
M. E , 861
Grube, G. M. A , 703
Grundy, F., 435
G. B., 389
J , 312
J , M.A , 484
Grüneberg, H , 240
Grunfeld, C., 217
Grünhut, M , 346, 358
Guay, Rev. A , 663, 667, 669
E., 592
F., 596
Gubbins, F R , 777
Gude, W., 784
Guder, G , 505
Guelke, R. W., 864
Guenault, P H., 415
Guenther, J. I , 759
Guérard, J. M., 595
Guercio, F. M., 217
Guérin, B. D., 775
Guest, P. G., 799
Gueterbock, E. A. L., 236
Guggenheim, E. A., 390
Guha, B. C., 962
B. C., D.Sc., 1048
D. K., 1018
Guha, J. L., 1064
P C , 1051
S K , 1030
Guha Thakurta, J. G., 1064
Guilboard, T I., 616
Guild, W J., 488
Guilding, A E , 398
Guiler, E R., 813
Guilford, M J., 619
Guillaume, A , 230, 234
Guillebaud, C W., 64, 81
Guimont, J P , 596
P H , 595, 596
Guindon, Rev R , 668
Guite, H. F., 310
Guiton, Mrs N. M , 896
Gujral, M. L , 989
Gulasekharam, F. H. V., 1060
Gulati, H: R., 974
Gulbis, F., 626
Gulley, N., 45
Gullick, C F W R , 348, 359, 369
Gumbrell, L B , 306
Gumpert, T. E., 403
Gunaratnghe, P. C , 1056
Gunasekera, H. A. de S., 1055
N. D , 1057
Gunawardena, S , 1056
Gundry, Rev. D W , 412, 424
Gundy, H. P , 671
Gunewardena, H C P , 1058
H. O., 1058
Gunn, J C , 506
K. L S., 607
R. M C , 800
W. F , 261
Gunnell, D , 143
Gunning, H C., 570
Gunson, M M , 777
Gunstone, F. D , 503
Gunton, J A , 735
Guntrip, Rev. H J. S , 134
Gunvaldsen, K. M , 690
Gupta, A K D , 1048
B. B., 972, 976
B. K , 992
C. B , 972
Hon C B , 988
D. D., 990
D. P , 974
G , 1016
G. N., 1018
I B D , 1048
M. M. S., 1030
N. N , 988
N. P., 989
O. P , 992
P., 973
P. D., 929
P. D , Delhi, 973
P. D., Lucknow, 992
R. C., 992
Mrs. R. D., 973
R. K., 972
R. L., 1015
R. R., 1037
R. R., Delhi, 972
Gupta, S., 972
S., M.B., 988
S J , 952
S P , 989
Guptara, M. M , 975
Gupte, R. D., 957
Guptill, E. W , 580
Gurewicz, S. B., 776
Gurha, B , 1030
Gurjar, G V , 1017
Gurney, H C H., 426
Sir H L G , 1082
O R., 355
Gurney-Dixon, Sir S , 457
Gurrey, P., 1090
Gurtu, D N , 990
Gururajacharya, Y V., 1051
Guruswami, T K , 948
Guruswami Sastriar, R , 948
Gurzynski, Z. S , 870
Guter, E , 698
Gutfreund, H., 64
Guthrie, D , 489
Rev J R , 733
Rev M , 231
P C. F , 567
S K , 317
W K C , 60, 63, 80
Gutteridge, H C , 84
N M , 791
Guy, O V , 78, 91
Guyler, T. W C , 156
W , 136
Guyot, H , 636
Gwillim, C M., 278
Gwyer, Hon. Sir M , 971
Gwynn, Rev A., 1246
D , 1250
Rev R M , 1233, 1238
Gwynne, M B , 184
Gwynne-Jones, A , 237
Gyle, J B , 530

Haagen, C H., 710
Haarhoff, T. J., 908
Haas, Rev. A , 1000
V , 427
Habakkuk, H J., 80, 351, 357
Habberjam, G M., 137
Habibullah, A B. M., 1064
V , 999
Hackenley, Mrs. V. J., 588
Hackett, B., 112
C. A , 504
F. E. W., 1246
Rev. J., 1243
W. M., 522, 529
Hackforth, R , 68, 83
Hacking, E. B., 864
Haddakin, L F., 240
Haddon, A. L , 832
Haddon-Jones, M. E., 845
Haddow, A , 303
G. C., 624
Haden, H., 913, 914
Hadfield, J. A., 197
J. W., 848
Hadgraft, C. H., 791
Hadi, A., 1003
Hadji-Argyris, J., 198

Hadley, C. G., 659
G. D , 267
P. A. S., 68, 77
Haehnel, W. F , 711
Hafeez, A , 1024
Hafeezullah, M , 1024
Hagedoorn, A. L , 784
Hagenbuch, W , 64
Hagerman, E. W , 658
Haggen, G L , 127
Haggi, A H , 934
Haggis, D , 504
Haggitt, A N , 829
Hague, B , 508
D C , 244
R M , 758
Hagyard, T , 834
Hahlo, H R., 909
Hahn, D , 311
F H , 24
Hai, A , 1063
Haidari, A A , 74
Haider, M , 933
S S , 1070
S. Z , 1065
Haig, A P , 720
N T , 845
Haim, A M , 318
Haines, A R , 569
F M , 221
F S , 725
H C , 569
Hainsworth, G , 126
Haire, Rev J L M , 538
Haist, R E , 715
Hajela, G. L , 992
K S , 1037
Hakim, M , 1064
Hakim-Ilahi, H., 231
Hakimuddin, M., 1024
Halberstadt, E S , 390
Halberstam, H., 442
Halbus, F W., 720
Halcrow, E M , 148
Haldane, J B S , 240
Halder, M K , 1065
Halderson, H , 717
Hale, J R , 362
R W , 535
V. W. D., 447
Hale-White, Sir W , 194
Haleem, A B A , xxix, xxxi, 1075
Hales, A L , 862
R B , 458
W L., 334
Haley, D. K , 547
K H. D , 399
Halford, C. R , 698
Halich, M., 934
Halifax, Earl of, 344, 397
Halim, A., 1064
Hall, A A , 121
A. A., M.A., 198
A. D , 704
A. D., B.A., 896
A. N., 323
A P , 521
A. R., 75
Rev. B., 411
Hall, C W., 619
D., 686
D A , 132
D. F., 654
D G. E , 230, 232
D. M., 191
D. O. W., 832, 833
D W , 524
E , 458
Elmer, 605
G , 595
G , B A , 240
G B. A , 609
G D G , 361
G E , xxix, 735
G. L., 570
G S , 31
G V., 803
G W., 324
H. B , 148
H. F , 697, 699
H K , 582
H. S., 393
I S , 492
J A , 702, 713
J E , 210
Sir J. H , 1097
Mrs. J L., 131
J. P , 319
J S , 441, 443
J S , B Sc , 112
K , 28
L , 863
Mrs L M , 346, 372
M M R , 716
M. P , 150
N M , 632
O , 608
P , 67, 78
R , 222
R E., 460
R L., 367
R. T. W , 25
S B , 153
V F , 261
W. H , 27
Hallam, Rt Rev. W. T T , 739
Hallamore, J , 570
Hallé, J , 598
Hallett, G E M., 116, 117
H. F , 209
Halley, G., 227
Halliday, G C., 802
J E , 572
Mrs W J , 126
Sir W R., 207
Hallister, E. N , 789, 791
Halloran, J H , 398
Hallowell, E., 442
Halls, H. G., 251
Hallsworth, E G., 338
Hallward, B. L , xxviii, 333, 1232
Halme, S. E., 673
Halnan, E T , 70
Haloun, G., 74, 79, 1080
Halpenny, G. W., 613, 616
Halperin, I , 673
Halpert-Scanderberg, T., 574
Halsall, T. G., 310
Halstead, C. A., 504
D. R., 632
Halton, J., 156
Halvorsen, E F., 506
Ham, A W , 713, 716
Hamber, Hon. E. W., 565
Hambley, M E., 635
Hambly, A. N , 771
Hamel, Rev. C., 662
E., 592, 594
G., 648
J., 597
P., 597
Hamer, D , 399
H , 579
Hamersma, P J , 893
Hames, E. W , 839
F. A , 572
Hamid, S A , 1069
Hamid Rzvi, A. I , 1064
Hamilton, Duke of, 520
A G., 283
A J , 549
A. M , 518
B. M., 1091
C. J K , 154
D M , 1237
F W , 722
G F , 469
H , 473
H C F , 555
I A , 760
J , 494
J , Ph D Bonn, 196
J., Ph D. Manc., 67
J D , 676
J G. M., 492
J. R , 445
J. W , 619
K , 555
K G , 791
K T., 764
K. W., 306
L H , 618
M , 244
O. H., 110
Mrs. R , 210
R. M., 664
R W , 345
W., 84
W. D , 1250
W. J., 256
W. S., 557
Hamilton-Turner, C. H., 291
Hamley, H R , 186
Hamly, D H., 702
Hamlyn, G , 1098
L. H., 236
Hamman, E. M , 883
Hammer, A. G., 799
Hammick, D Ll., 345, 360, 365
Hammond, H , 222
J., 76
J., M.A. Chr., 69
J., M.A. Down., 71, 76
J. L. Le B., 389
N. G. L., 63, 75
P., 71
S. B., 776

Hampel, L. E., 625
Hampshire, S. N , 243, 357
Hampson, A. C., 259
E. L., 404
E. M. H., 473
H., 221
N., 325, 326
Hampton, F. W , 918
J., 452
Hamson, C. J., 72, 84
Hanafi, A. R , 935
Hanam, J , 1083
Hanan, F M , 828, 829
Hanbury, H. G., 353, 357
Hancock, A , 323
F. D., 908
J. E M , 587
N. N., 324
P. E. T., 272
W., 27
W. K , 74, 182
Hancox, M K., 458
N. M., 150
Handcock, W. D , 441
Handfield-Jones, R. M., 281
Handford, C., 323
S. A , 208, 306
Handiqui, K. K , 984
Handley, E. W., 238
R. S , 268
W. R. C., 347
Handy, G R , 1057
Hanes, C. S., 62, 76
Hanify, C. P., 787
Hanika, F. de P., 518
Hankey, G. T., 264, 275
Hankinson, W. C., 698
Hanley, F., 70
Hanna, A. J., 459
E. E., 448
G. P. H., 840
Hannah, D. M., 138
J. B., 104
Hannay, C. L., 393
Canon J. O., 205
P. W., 489, 493
Hannell, F. G., 46
Hannen, J. T., 199
Hans, N., 208
Hansel, C. E. M., 315
Hansford, S. H., 179
Hansman, G. H., 861
Hanson, A. H., 129
C., 311
D., 27
D. A , 43
E. H., 437
E. J., 552
F., 615
F. K., 619
G. R., 107
Rev. R. P. C., 29
S., 556
Hansotia, P. C., 958
Hanumantha Rao, K. S., 940
Hanumantha Rao Darya, K., 942
Hanumantha Sastry, G., 944
Hanumattekar, S., 1010
Hanway, J. A., 580
Happ, W. W., 552
Happold, F. C , 123
Haq, A., 1070
M. A , 1073
M. A., Madras, 999
M. W , 934
S. F., 1025
S M. M , 1029
Haque, A , 1063
T., 1064
Harbic, D., 661, 664
Harbord, R. P , 131
Harcourt, E. S., 355
Harcourt-Wood, A. H , 898
Hardie, A., 496
B. G , 840
C , 1249
C. D., 812
C. G , 348, 363
Ven W. A., 791
W. F. R , 350, 360
W G , 26
Hardikar, S W., 1004
Hardiman, N. J., 193
Harding, A. J., 63
D. W , 193
F. M., 758, 762
H E , 289
H. E , Oxon., 403
Hardman, J., 404
R., 336
Hardwick, C , 259
D C., 491
H. L., 270
J L , 34
Hardy, A. C., 352, 364, 385
A. C., B.Arch., 107
A. V , 93
A. W , 549, 557
B., 196
C. W. K., 779
D. R , 152
Sir E., 253
E. A., 692
F., 1102
P , 232, 234
R. H., 236
R. M., 553, 558
S. M., 26
T. L., 30, 31
W. G., 550
Hare, A., 53
A. E. C., 125
C. L , 145
F. A., 705
F. K., 606
G. C., 717
R., 188
R., M.D., 283
R. M., 358
W. B., 840
Hargreaves, A., 324
A. D., 26
E. L., 365
F., 458
I. P., 661
J. A., 363
J. D., 313
J. M., 834
M. K., 191
Harichandan, J., 1048
Haridas, G., 1083
Harington, Sir C., 305
C. F., 909
Harker, G. F. H., 428
Harkness, H W., 674
R. D., 243
W. L., 859
Harlan, F., 311
Harland, J. M , 630
S. C., 309
W. B , 66
Harle, J A., 554
Harlech, Lord, 229, 411
Harley, A. H , 230, 234
J L , 345, 364, 366
M. B , 103
Harley-Mason, J., 63, 76
Harlow, C. M , 582
F. J., 304
V. T , 348, 358
Harman, R. A , 102
Harmer, F. E , 311
L. C , 65, 84
Harper, A. A , 115, 331
A. E , 549
D. R., 861
J., 317, 1094
J. C , 148
N D , 774
N. J , 518
R., 393
R. A K., 276
R. St. G. T , 325
S., 43
S. H., 207
W. F., 1099
W. H., 266
Harries, D. J., 437
G. E , 435
J. M , 397
Rev. L. P., 231
Harrington, D , 129
E. L., 691
J., 321
J. B., 692
Harris, A., 335
C. F., 275
C. W., 778
C. W., M.B., 716
E. E., 910
E. J., 244
F. C., 242
F. L., 442
G., 567
G. H., 571
G. M., 771
G. P., 309
G. W., 41, 69
H., 240
H. A., 463
H. A., D.Sc., 61, 82
Mrs. J , 570
J. A., 566
J. E., 48
J. O., 108
K. E., 286
L. P., 654
M., 817
Mrs. M. M., 191

Harris, N. G., 217
R., 521
R H., 202
R I., 716
R. K., 808
R. L., 803, 805
R. V., 305
T. A B , 258
T. M., 390, 394
W. E., 550
Canon W. H., 463
W. J., 1093, 1095
W. O., 778
Harrison, A. S., 184
B , 1082
C. V , 292
D , 401
D C , 532
F. E , 156
G., 131, 135
G , F R C.S , 123
G A , 275
G. B , 813
G. B., Ph.D., 680
G. H , 113
J , 103
J B , 232
J. F. C , 138
J. H., 532
J. L , 488
J. L , Canada, 698
J. M , 673
J. V., 348
K. P , 62, 79
K. S., 803
R. G., 144, 344
R. J., 256
Rev. R K., 739
R. M., 251
R. P., 697
T. J , 531
W., 351, 366
W E. C , 673
W. J , 75
W. N L., 789
Harrison-Church, R. J., 216
Harrod, H R. F , 346, 359
Harrold, J. H., 634
Harrop, L B., 608
Harrowby, Earl of, 455
Harrowes, W. M , 487
Harry, W T , 522
Hart, C. A., xxix, 248
C. B., 228
D. S., 847
E. F., 1107
E. W., 267
F. D., 289
Rev. H. St. J., 64, 81
H. L. A., 350, 364
I. E. J., 861
J., 374
K. H., 547
K. R., 873
K. R. M., 801
M., 637
N. C., 735
S., 654
W., 104
Hart-Mercer, J., 115
Hart-Smith, W., 837
Hart-Synnot, R. V. O., 367
Hartfall, S J., 132
Hartford, Rev. R. R., 1236, 1238
Hartles, R. L , 145, 156
Hartley, B. S , 123
C., 163
D T., 321
H. O., 244, 248
J., 127
J. J., 533
M., 372
P. H. T , 352
R. L., 163
Hartmann, E., 916
F. H., 896
Hartree, D R , 68, 75
E. F , 62
Hartroft, W. S , 714
Hartshorne, N. H , 124
Hartung, E. J , 771
Hartwell, R M , 786
Hartwig, G. L. F., 902
Harty, M , 61
Harvey, A , 428
C J D , 900
D. C., 579
G., 509
G. R., 537
J. M , 517
J. W., 128
L. A , 442
L. M , 60
P. W., 319
R. C., 522
S C., 901
S. H , 451
S. Y., 981
W. B., 736
Harwood, B., 389
E., 789
F. W., 813
T. A , 323
Hasan, A. H , 1025
F., 1022
J., 1024
M., 993
M. A , 933
S., 973
Mrs S , 994
S. H., 935
S. H., Ph.D., 934
S. N., 991
Haselden, G. G., 199
Hashimi, M. I., 1001
Hashmi, B. A., 1070
N. H., 991
Haslam, A. L., 835
J. A. G., 72
R. N. H., 691
Haslam-Jones, U. S., 349, 366
Haslewood, Mrs. D. C., 109
G. A. D., 258
Hasrat Nomani, S. M. A. Q., 1065
Hassall, C. H., 1099
Rev. H., 322
K. A., 393
Hassan, M., 1070
Hassan, M. A., 1071
M. M., 1048
Hassé, H. R., 58
Hasted, J. B., 242
Hastie, E A., 550
F. J , 554
Haswell, S. V , 117
Haszeldine, R N., 63
Hatalkar, V G., 957
Hatch, Mrs. J. A., 569
J. C., 512
M. E., 719
Hatcher, A. G., 585, 643
E. S. J., 203
G. H., 718
P. G., 458
W. H., 604
Hatekar, D. J., 1016
Hathaway, E. J., 25
Hatherly, G. L., 28
Hatley, A. J , 201
Hatter, J., 574
Hattersley, A. F , 871
Hattingh, J. M., 893
S. C., 907
Hatto, A. T., 222, 241
Hatton, A. P., 324
R. G., 253
R. M., 216
Hauger, E. G., 138
Haughton, J. P., 1235
W. S., 1238
Hauser, H. B., 774
Hausheer, M. R., 428
Havekin, T., 311
Havemann, H. A., 1052
Mrs. I., 872
Havenhand, D., 402
Haverstock, A. B., 583
G K., 562
Hawe, P R., 155
Hawes, R. S. J , 442
Hawgood, J. A., 26, 29, 42
Hawke, F , 908
Hawker, L. E., 44
R., 789
Hawkes, C. F. C., 345, 370
J., 53
J. A., 875
J. H., 324
J. W., 333
L., 192
Hawkins, C., 845
C. A., 801
D , 677
D. C., 460
G. R. S., 405, 448
H. L., 391
J. D., 557
P., 484
P. J., 238
Mrs. R. D., 714
V. M., 409
W. W., 695
Hawks, G. H., 715
Hawksley, J. C., 286
Hawley, J. E., 673
Haworth, G., 392
J., 325
J. C., 861

Haworth, Sir N., 765, 769, 784
P., 702
P., Ph D., 896
R. D, 398, 450
Hawthorn, H B., 567
Hawthorne, A. B, 616
T. S. B., 335
Hay, A. L, 474
C., 477
D, 205, 410
D, M A., 485
D N, 726
J D, 153
R, 503, 518
W. D, 676
Haycocks, N, 334
Haycraft, J. B, 437
Hayden, H. A., 307
Haydon, J F M, 822
Hayens, K. C., 522, 529
J G, 778
Hayes, F C, 26
F. R, 578
G., 113
H. O, 575
K. W, 777
M., 1246
N. D., 472
S. F, 488
W, 1242
Haygarth, M K, 141
Hayhow, W R, 787
Haylett, D G, 883
Hayley, H. W B, 35
Hayman, W K., 442
Haymann, W. K, 82
Hayne, D M, 705
Haynes, B G, 803
B. J., 711
Haythornthwaite, R M, 401
Hayward, G W, 275
H. M, 352
J W., 828
L D, 604
N J, 778
W. A, 818
Haywood, C A, 452
R W., 71, 85
Hazarnavis, Mrs L S., 1015
Haziq, M, 934
Hazlerigg, A. W, 60
Hazra, R C, 1065
Head, W. G., 129
Headlam-Morley, A, 349, 353, 372
Heaf, F R. G, 436
Heald, H. R., 404
P J., 323
Healey, E. G., 417
F. G., 25
R. H, 809
Healy, D. McN., 552
J. G, 1251
K. G., 1238
Heanley, C. L., 265, 292
Heap, C. N., 129
H., 331
Heard, B. E., 409
C. R. C., 869
J. F., 702
Heard, R. D. H., 604
Rev. R G, 64, 80
Hearle, J. W. S., 325
Hearman, C H, 781
Hearnshaw, L. S., 150
Heasman, Mrs. K. J, 213
Heastie, R, 222
Heath, A. E, 432
Mrs. C J., 429
E, 55
J. K, 551
O. V. S, 199, 203
P, 486
W. H, 338
Heathcote, N. H. de V., 244
R St. A, 435
Heathfield, Mrs V, 571
Heatley, N G, 354, 362
Heatly, P, 484
Heaton, Rev. E W, 77
G, 331
T. B, 359
Heavens, O. S, 392
Heavey, M. M, 1253
Hebb, C O, 487
D O, 608
Hebbert, F J, 509
Hebdon, E A. W., 306
Hébert, C., 596
C, M D, 648
F, 648
G, 662, 663, 665
J H L, 651
Hecker, F, 595
Hector, F. J., 50
L C, 242
Hedberg, E A, 804
Heddle, R G, 496
Hedman, T, 706
Hedworth, W H, 108
Heeg, T J, 723
Heese, J. de V, 900
Heggs, G B M, 280
Heichelheim, F M, 703
Heighway, H E, 34
Heilbron, Sir I. M, 205
Heilbronn, H. A, 47
Heimann, B., 1060
H. L., 912
Heimpel, L G, 618
Heine, H G., 843
Heinz, I. C, 779
Heinze, Sir B. T., 775, 782
Heitler, H, 47
Hele, T. S., 76
Helen, Sr. M., 656
Hélène-de-Marie, Rev. Sr, 667
Hélène-de-Rome, Rev. Sr., 667
Helfet, A, 865
Helgason, S. B., 635
Helleiner, K. F M., 709
Heller, E., 432
H. S, 51
Hellier, F. F., 132
Hellman, I., 184
Helm, Mrs. B., 863
Helman, P., 864
Helwig, C. E., 711
Hely, A. S., 845
Heming, W E, 723
Hemingway, A., 129
J E., 127
Hemlow, J., 605
Hemmings, F. W. J, 452
W. A., 422
Hemphill, R E, 51
Henault, R, 687
Henbest, H. B, 310
Henchy, J. A, 1247
Henderson, A. E., 848
C, 243
Sir D K, 490
E, 230
E. J A, 231
E W, 840
G. D, 474
G H, 587
G. I, 525
G P, 523
H. C K., 196
Sir H D, 351, 357, 374
H L., 364
I., 504
J, 164
J., N.Z., 832
J. A, 724, 725
J. B, 521
J C, 25
J. C de C, 200
J E., 635
J L, 184
J. L, B.Sc, 417
J. L., M D., 489, 493
J M, 471
J T, 220
M, 422
M., B.A., 573
Rev. M, 791
M. I., 457
Mrs. M I., 348, 372
M. J, 272
M M H., 213
N K., 788
P. D., 362
P. L., 772
R., 59
R. B., 455
R. F., 64, 76
T. G., 607
V. L, 712
W. O., 310, 313
W. R., 135
Hendrickson, A., 607
Hendrie, R. A., 470, 477
Hendrikz, P. A., 896
Hendry, A., 339
A. M., 33
A. W., 208, 479
C. E., 719
E. B., 1094
J. M., 580
R., 517
W. T., 476
Henisch, H. K., 392
Henkell, B., 505
Henn, T. R., 65, 81, 342
Hennelly, T. J., 436
Hennessey, S. G., 709

Henney, E., 54
Henning, D V, 504
I, 798
M. W, 884
P. D, 902
W. B., 230, 233, 357
Hennings, A E, 573
Henri, A, 687
Henriques, L. F., 129
Henry, A M, 619, 699
A. W., 553
C B, 270
C J, 183
D C, 310, 315
D. P, 314
D. W, 616
F. D. C, 137
J S, 613
K M, 394
N. F M, 68
R E, 608
R F J, 1238
R M., 1235
Hensley, L J, 835
Henson, F A, 335
H, 130
J. H, 850
Henstock, R., 196
Hentschel, C C, 307
Hepburn, H H., 556
J., 714
Hepner, W A, 201
Heppell, H. K, 152
Heppleston, A. G., 435, 436
Hepton, A F. R., 143
Heras, Rev H, 957
Herbert, Rev A. S, 29
D A, 787
E L., 325
F. K, 114
G, 907
J B. M, 310
N, 477
S, 415
W E, 258
Herbertson, B. M., 73
Herchenroder, M, 1106
Hercus, Sir C E, 830
E. O., 775
Herdan, G, 51
Herdman, E. C., 151
Herholdt, A de V, 916
Herington, C. J., 310
Heriot, A. J, 262
Hérisson, C. D., 896
Herivel, J. W J., 534
Hermenau, H., 862
Hermitte, L C. D., 403
Heron, D., 236
M. E., 1091
Herring, J., 525
Herringshaw, J. F., 199
Herriot, G. H, 632
Herron, Very Rev. D. C., 828
Hersh, J., 698
Hershfield, C., 711
Hershon, H., 615
Hersman, D., 864
Hertzberg, M., 737
Heseltine, M. J., 803
Hesketh, G T., 209
Hesketh-Williams, P. K., 372
Hesler, N. A., 653
Hesling, E., 313
Heslop, W. G., 568
Hesse, M B, 226
Hester, A G., 203
Hetherington, E J, 112
Sir H, xxviii, 502, 1232
Hettiaratchi, D E, 1056
Hettlinger, Rev. R. F., 721
Hetzel, K S., 759
Heughan, H, 483
Heuston, R F. V, 365
Hewat, A. F, 492
E. G K, 958
Hewer, A. R, 812
C. L, 275
H R, 203
T F, 50
W A. M, 712
Hewetson, H W., 562
Hewitson, W A., 116
Hewitt, A R, 182
E A, 101, 104
E J, 54
J, 510
J A, 210
N E, 836
R M, 343
W H, 861
W. P, 537
Hewlett, R D, 353
Hewson, G H P, 1236, 1240
Hey, D. H., 207
P, 128
Heycock, J. B., 113
Heydecker, W, 440
Heydorn, A, 900
M. H G, 148
Heyland, G R, 243
Heymann, E., 784
F G., 911
S C, 912
Heyns, O. S, 913
Heywood, H, 200
Heyworth, Sir G, 374
Hibbard, G R., 334
L. U, 768
Hibberd, G, 505, 517
Hibbert, A. R., 79
Hicken, W F, 371
Hickey, E. M, 21, 531
M F, 787, 792
Hickinbotham, Rev. J. P., 1091
Hickinbottom, W. J, 221
Hicklin, R., 658
Hickling, A., 145
H. G A., 100
R A., 256
Hickman, C. J., 23
G A., 643
G. M., 45
V. V., 813
Hicks, Sir C. S., 759
J D., 67
J. D., Austral., 779
J. R., 373, 1039
R. K., 705, 731
Hicks, Mrs. U. K., 351, 1039
W C. R., 460
Hickson, G. F, 94
Hiebert, P. G, 631
Higgin, G C, 550
Higginbottom, C E., 701
I. E., 201
Higgins, A, 1108
A. E H., 203
Rev A J B, 254
B H, 605
E. M, 805
R., 432
Higginson, J. H, 138, 141
W. C E, 310
Higgs, J. W Y, 392
S L, 276
High, N. H., 722
Higham, J, 311
J B, 25
T F., 344, 367
T M, 150
Highet, J, 507
Highfield, J. R. L., 364
Higman, B, 1090
G, 314
Hignett, C, 361
Higson, C. W J, 453
Hilaria, Sr, 1004
Hilborn, H W, 547
Hildebrand, D von, 602
Hildes, J A., 635
Hilditch, T. P, 145
Hill, A., 473, 477
A. B, 299
A M, 779
A. R., 508
A. V., 244
C K., 871
D, 261
D., M.Sc., 789
D. C, 722
D. H, 1094
D K., 401
D U, 546
D. V., 360
E F, 331
E M, 70, 85
E. S, 773
F. T, 198
G, 272
Sir G. F., 389
H, 431
I. G W, 491, 526
J. E. C., 349, 358
K. J, 150
K. R., 1099
L. C., 440
M. N., 66, 79
N. E., 193
R., 401
Sir R., 198
R. L., 103
R. M. T., 249
W. C. O., 481, 482
W. H. P., 612
Hillerud, S., 558
Hilliard, A. L., 737
F. H., 97
L. T., 218

Hillis, B. R., 509
Hillman, H. C., 125
Hills, F. D., 457
G. J., 200
T. H., 259
W., 812
Hillsman, J. B., 637
Hilton, Mrs. G., 287
Mrs. M., 25
P. J., 314
R., 283
R. H , 26
R. J., 553
T. E., 1090
Hiltz, M. C., 635
Himmelweit, H., 217
H., M.D., 280
Himus, G. W., 199
Hinchliffe, B. R., 218
C., 409
O., 504
Hinckley, R. T , 788
Hinde, G., 104
Rev. R. S. E., 361
Hinderks, H. E , 862
Hindin, J. B., 834
Hindley, C. B., 185
Hindmarsh, F. D., 116
W. L., 800
Hines, H. J. G., 787
Hingley, R. F., 188
Hingston, D. A., 648
Hinkel, L. E., 434
Hinks, D. A. G., 95
Hinshelwood, Sir C N , 41, 345, 360
Hinsley, F. B., 336
F. H., 66, 82
Hinton, H. E., 48
R. W. K., 391
Hird, F., 771
T. L., 523
Hiriyannaiya, S., 1011
Hirsch, A., 393
G. P. H., 353
K. A., 110
Hirshman, J. M., 43
Hirst, E. L., 483
F., 54
F., Austral., 775
J., 1093
R. J., 505, 530
R. R., 757
Hirudayaswami, A., 1000
Hirurkar, S., 1017
Hirzel, R., 883
Hiscock, R., 109
Hiscox, E. R., 393
Hitchens, A. P., 151
R. A. N., 437
Hitchin, A. D., 527, 529
E., 556
Hitchman, P. J., 337
Hitchon, B., 845
Ho, K. C., 1078
P., 571
R., 1082
Hoar, T. P., 68
W. S., 574
Hoare, F. E., 189
Hoban, E. R., 776
Hobart, J., 423
Hobbes, V. G , 698
Hobbis, E. W., 54
L. C., 841
Hobbs, A. F., 759
G. E., 737
J. A., 635
Hobby, B. M., 352
Hobday, K. M., 720
Hobhouse, Sir A., 44
Sir J. R., 144
Hobling, M. B., 24
Hoblyn, T. N , 307
Hobsbawm, E. J., 196
E J E , 79
Hobson, A. D., 112
A. F , 804
B M , 491
F. G , 354
G D , 201
Mrs I., 573
J A., 267
P. M , 522
S B , 895
W., 58, 404
Hochenhull, D J. D., 323
Hockey, K. C , 850
S. L., 109
Hocking, B , 551
C. H , 103
D M., 772
Hockley, A. R , 460
Hodgart, M. J. C , 65, 80
Hodge, E H V , 491
J. L., 505
W. V. D , 61, 80
Hodgen, R , 532
Hodges, D. B., 870
D. J., 535
F. M., 313
H. A., 392
Hodgett, G. A. J., 209
Hodgetts, J. E., 674
Hodgkin, A. L., 69, 84
D K. R., 448, 449
Mrs. D. M., 346, 372
E. P., 818
T. L., 358, 386
Hodgkinson, J., 35
Hodgson, A. E., 163
E. R , 830
F. M., 184
G. A., 436
G. C., 634
Sir H. G., 268
J. H., 730
J. J., 596
J. N., 850
L., 107
Rev. L., 356, 359
N., 115, 116
P., 192
R. A., 457
W. E., 550
Hodsman, H. J., 136
Hodson, A., 460
A. L., 315
F., 391
J. J., 404
Hoek, P. W., 880
Hoeniger, F. D., 704
Hoffa, S. C., 861
Hoffenberg, M. S., 911
Hoffmann, M. M., 581, 612
S., 911
S. J., 915
Hofmeyer, H. C., 892
Hofmeyr, J , 389
J. D J., 883
J. H., 885
Hogan, J., 1250
J. E., 1242
J J , 1246
M., 326
M A , 1245
N. J., 1238
Hogarth, C. E., 337
Hogben, L., 30
Hogbin, F. R., 52
H I. P., 797
Hoge, J , 901
Hogg, A. H. A., 95
B. G., 634
D. T , 337
F S., 702
J. B., 851
J C , 276, 292
Hoggart, H. R., 448
J S., 775
Hohler, C., 179
Höhn, E ., 552
Hohnen, R. A , 767
Holbourn, A H. S., 472
Holcomb, R. K., 604
Holden, D., 108
E., 338
H. S , 517
H. S., D Sc., 333
W. S., 154
Holder, A., 762
J. M., 617
M , 571
Holdsworth, E. S., 123
F., 335, 343
F. W., 404
H., 1099
M., 828
Mrs. M., 385
Hole, D. R , 394
Holford, W. G., 245, 248
Holgate, J. A., 129
N., 504
S , 101
Holker, J. S. E., 146
Holladay, A. J., 367, 369
Holland, C. C., 834
C. W., 581
D. C., 242
L. G., 581
M. R., 698
R. E., 242
T. E., 637
T. R., 184
Hollander, H., 442
Hollard, M. G., 847
Holleman, F. D., 899, 901
Hollenberg, A., 636
M. S., 636
Holley, H. S., 818

Holley, N. M., 191
Hollick, F. S. J., 70, 82
Holliday, A. K , 145
C., 1058
P., 1103
R., 130
Holliman, F G., 861
Hollings, M R., 135
Hollingsworth, L. W , 231
Hollingworth, B., 103
J., 323
S. E., 241, 246
Hollinrake, H., 841
Hollins, S G., 240
T. H. B , 325
Hollis, E., 687
Hollond, H A., 83
Mrs. M., 64, 85
Holloway, B. W., 761
C. J., 357, 471
F., 810
Holm, D. B. N., 372
Holman, R A., 131
S., 913
Holmes, A., 485
A. H , 317, 329
A. S., 818
C. W., 102
E. G , 1098
F., 420
J. C., 488
J. D., 801
J. E R., 315
Rev. J. H A., 588
J. M., 326
J. M., Ph D , 798
J W. H., 227
R., 315
R. H. L., 566
W., 352, 367, 369
Holroyd, F., 690
M., 358
Holt, F. M., 184
G., 323
G. E., 730
J. C., 335
J. K., 321
J. R., 149
L. W., 839
M., 400
P. F., 390
R. L., 320
Rev. R. V., 322, 329
S. B., 240
S. J., 267
Holton, R. T., 662
Holttum, R. E., 1082
V. E. J., 507
Holwill, P. J. A., 251
Holzel, A., 317
Home, M. S., 563
Homer, N. R., 25
Hon, Y. S., 1083
Honan, B. F., 1252
Hondros, G., 817
Hone, F. R., 759
F. S., 762, 765
Honey, F. I., 619
P. J., 231
Honeybone, H. C., 24
Honeybone, R. C., 184
Honeyman, A. M., 504
A. M., Ph.D., 522
J., 207
J. M , 697
T. J., 505
Hong Kong, Gov of, 1078
Honoré, A. M , 366
Honorine, Sr., 1030
Hood, D. R., 915
F. C., 103
G. G., 635, 637
M. C , 319
Hoogstraten, J., 632, 637
Hook, A. S , 797
Hookens, W. E., 1018
Hooker, E. M., 23
G. T. W , 23
Hookham, M , 451
Hookings, G. A., 840
Hoole, M W., 326
Hooley, J G , 566
Mrs. J. G , 567
Hooper, A. D , 418
A. G , 900
F. C., 712
F. W , 157
J. G., 251
K , 258
S. S., 224
Hope, A. D., 773
E., 345, 362
R. M , 802
R. S., 870
T. E., 506
Hope-Simpson, J F , 44
Hopewell, D., 877
H. G., 851
J. D., 403
Hopkin, D. A. B., 1083
D. W., 200
Hopkins, A. D., 427
B. H., 675
C A , 507, 508
D., 911
D. W., 432
F , 153
H. B., 213
H. G., 314
H. H., 203
H. J., 817
J. F. P., 230
P. G. H., 460
P. W., 53
R. H., 27
W., 102
Hopkinson, A., 95
Hopper, C. R., 632
F. E., 116, 117
I. V., 516
R. J., 399
V. D., 775, 784
Hopton, J. W., 130
Hopwood, D. P., 877
F. L., 277
Hora, F. B., 390
Horadam, A. F., 810
Mrs. E. M., 810
Horan, Rev. B. W., 721
Hordern, P. C., 35, 38, 39
Horgan, Rev. J., 1246
Horley, A. W., 458
Horn, D. B , 481, 485
J., 26
L., 885
M., 218
Hornby, J. A., 313
Horne, C. J , 452
G. F. T., 195
G. O , 135
N., 491
W., 511
Horner, G. S., 405
J. A., 758, 761
J. L , 138
R. H , 555
Horning, E. S., 303
Hornsey, G., 127
Horo, P. C., 1031
Horrex, C., 521
Horrocks, J., 839
Horrox, W. L., 441
Horsburgh, Mrs. I. M., 329
Horseman, A., 58, 450
Horsfall, B., 314
H., 812
Horsfield, A E., 125
Horsley, R. M , 137
Horsman, E. A., 102
Horsnell, A. M., 264
Horton, Mrs. A. C , 69, 86
G. T., 711
J. W., 909
P. F., 345
Horwood, F. C., 370
J., 663
L., 572
O P. F., 861
T , 455
Hosain, M. A., 1063
Q., 1030
Hosford, J. P., 276
W. H., 337
Hosié, R. C., 704
Hoskin, H. A., 716
T. J., 272
T. L., 735
Hosking, W. M., 193
Hoskins, J., 1093
W. G , 162, 452
Hossack, F. A., 915
J., 494, 499
J. C., 636
Hossain, A., 1064
S. M., xxix, 1063
S. U. M. V., 1063
Hossfeld, P. S., 758
Hota, S., 1047
Hotham, Lord, 445
Hotten, W. I. T., 802
Hou, P. C., 1079
Houck, J. H., 680
Houde, Rev. R., 661
Hough, G. G., 65
J. M., 447
J. S., 398
Houghton, D. H., 895
E., 321
Rev. R. E. C., 365, 370
V., 609

Houldsworth, Sir H. S., 123
Houle, L , 649
Hounsfield, R B., 239
Hourani, A H , 363
House, A. H., 347
D , 618
J W , 110
W. K., 583
Househam, K O., 862
Housman, J. E , 334
Houston, A. H J , 306
B. D., 115
J , 534
S W., 676
Sir T , 541
Mrs W M , 113
Houze, M , 667
Hovell, J H , 270, 283
Hovey, C M , 632
Hovy, J W. H , 910
Howard, B , 761
C. H. D , 209
C. L., 129
E. M , 719
H. M , 572
J. V , 200
M E , 209
Rev. R W , 370
S. C , 339
Rev W. F , 29
Howarth, A , 323
A T , 133
F , 198
F , D P M , 309
L., 47, 95
R. G , 798
R. H., 445
S. M , 243
T , 309
W. D , 361
W O , 309
Howat, D D , 518
H. T , 317
Howatson, A. F , 506
D. J T., 518
G. C. R , 505
Howcroft, G. B , 309
Howe, G M , 416
J W , 562
Howell, D R S , 583
E. J , 1107
J P , 418
K. J., 803
O. R , 323
Howells, H. N., 307
L., 437
R. G , 428
Howes, F. S., 603, 610
H. A , 35
Howie, D., 810
G., 126
J., 107
J. B., 831
J. W., 787
J. W., Aberdeen, 833
T. O., 509
W. D., 907
Howkins, J., 275
Howland, R. L., 63, 81
Howlett, J. G., 612
Howlett, K. E., 191
Howrie, R. J., 397
Howson, A. H , 609, 697
Hoxey, S C , 895
Hoy, R J., 232
Hoyle, A C , 345, 353
F , 67, 82
J C , 261
R D , 200
Hoyt, D. P , 658
Hrennikoff, A , 568
Hromadka, J , 512
Huan, Mrs Y W , 74
Huang, J J., 1080
Hubback, Mrs E M , 220
Hubbard, J. H , 1090
Hubble, F E , 633
Huber, D G., 712
Hubert, Fr , 596
Huby, R , 149
Huckell, R G , 555
Huda, M N , 1064
M Z , 1065
N , 935
Hudd, Mrs M E , 1098
Huddleston, J , 138
Hudleston, L J , 415
Hudnut, J , 730
Hudon, F., 597
G , 596
L E , 595
R , 596
Hudson, A K , 53
A W , 851
C B , 803
E R , xxx, 847
F , 111
G , 44
G F , 357
H., 844
J , 25
J P , 338
M. W. P., 288
R F , 221
R G S , 241
R V , 268
T. G F , 51
Hudson-Williams, A , 416
H. Ll , 108
T , 420
Huehns, G , 829
Huggett, A. St G J McC., 281
Huggins, D., 637
H D., 1100
M. W., 711
Hugh-Jones, E M , 346, 370
Hughes, A E., 425
A. W., 418
C. F., 415
C. J., 507
E., 102
E. B., 31
E. D., 238
E. J., 456
E. W., 110
E. W., B.Sc., 453
F. N., 723
G. E., 326
G. E., N.Z., 844
Rev. G. E., 412, 421
Hughes, G. H., 417
G. K., 797
H , 425
H. G. A., 231
H. V , 151
I. W., 326
J., 150
J , M A , 605
J. D. I., 127, 140
J. F , 779
J H , 518
J H., M.D , 144, 155
J R , 155
J V , 674
J. W , 428
Rev J W , 411, 422
K. H , 537
K T , 803
N. F , 192
N J. S , 452
P B., 712
Rev. P E., 55
R , 418
R E , 70, 424
R L , 562
R R , 153
T D , 804
T E , 197
W H , 280
W M , 631
Hugill, W M , 631
Hugo, A M , 899
C F , 881
T J , 881, 882
W B., 336
Hui, C S , 1079
C Y , 1079
P M , 1080
W H , 1078
Hukku, H , 1031
Hulbert, M. H E., 281
Hull, J , 404
K L , 702
R A , 389
T. E , 572
Hullin, R P , 123
Hulman, S Z , 123
Hulme, A , 52
H M , 240
H R , xxx, 834
Hulse, C , 401
Hulton, A O., 398
Human, J. P. E., 756
Humbert, Rev. J , 957
Humble, R J., 724
Hume, J , 124, 135
J. B., 275, 276
J. G., 730
Hume-Rothery, W., 345, 402
Humphrey, G , 351, 363, 384
G. F , 797
R., 569
R. W., 844
Humphreys, A. R., 451
D. R., 31
D. W., 45
H F., 22, 33
H. L., 705
K. W., 139
M. E., 53

Humphreys, R. A., 241
T. W., 635
Humphries, C., 1247
J. E., 470
W., 471
Humphry, R. H., 307
Humphrys, J. M., 692
Hungerford, T. G , 800
Hunkin, V., 871
Hunt, A F , 338
A. F., M.A., 993
A. H , 276
A. J , 399
F. B., 382
H , 690
H. A K., 771
H. G., 847
H. J., 224
K E., 353
K. H., 773
K L., 139
N. C , 83
N C , Ph D , 483
R. W., 350, 358
T. C , 280
W. P., 61
Hunten, K. W., 735
Hunter, A., 477
A C , 643
A M , 474
A N., 452
A. R., 316
D , 264
D. A , 128
F., 112
F. P. G , 1093
G K , 446
H., 809
H. A., 716
J. B., 262, 1232
J. G , 802
J. W. A., 318
K. D., 115
L , 451, 453
L., B.Sc., 503
M. I. A., 278
R., 760
R. B., 525, 526
Sir T., xxx
T. G., 800
W., 331
W., M.B., 511
W., M.D., 114
W., Ph.D., 517
W. B., 484
W. M., 541
W. P., 477
W. R., 155
W. R., B.Sc., 508
Huntingford, G. W. B., 232
Huntington, F. M., 844
Huntley, D. N., 723
H. E., 918, 1091
Huntsman, A. G., 710
C. M., 723
Huot, G. L., 595
Huq, A. K. M. S., 1064
M., 1064
S., 1063
Hurford, F. R., 52
Hurford, Rev. R. P. D., 739
Hurley, A. E., 844
J., 371
J., Cork, 1250
Hurll, J. B , 510
Hurnard, N. D , 349, 371
Hurst, C., 351, 361
F. J. E., 117
G , 402
R. O., 723
Hurstfield, J., 222
Hurtig, A., 665, 667
Hurwitz, N., 870
Husain, A., 935
A., LL.B., 1022
B., 1025
B. M. C., 157
I., 933
L., 1023
M., 1075
M. A., 1025
M. K , 1025
N., 935
S., 1022, 1027
S , B Sc., 935
S. E , 991
S F., 1023
S. K., 1025
S M , 933
S. M., M B., 1024
S T , 1024
Y. A. M , 1024
Husaini, Q K., 1023
Husband, A. S., 517
C. D., 558
J , 310
W. A., 117
Husbands, H. W., 240
Husdan, H., 319
Hush, N. S., 310
Hussain, D., 1069, 1072
M., 1064
M., B.O.L., 1042
M. S., 999
Q. M., 1065
S. I., 1070
S. S., 1064
S. Y., 1029
Hussey, J. M., 225
N. W., 486
Hustler, D., 224
Huston, M. J., 556
Hutchappa, G. T., 1009
Hutcheon, A., 625
D., 691
N. B., 693
W. L., 692
Hutcheson, J., 527
R. T., 502
Hutchings, A. J. B., 102
Hutchinson, A. H., 566
G. E., 117
M., 776
P. B., 1099
R. W., 148
S. A., 502, 514
S. K., 333
Hutchison, A. C. W., 494
D. M., 502
F. L., 718
Hutchison, H. E., 510
J H., 509
K , 614
T. W., 216
W. C., 506
W. L., 698
Hutley, F. C., 802
Hutson, W., 455
Hutt, W. H., 861
Hutten, E. H., 225
Hutton, A J., 511
E S., 774
G. H , 573
H K., 679
J. H , 81
J. W , 674
M M., 555
R., 207
R. S., 75
W. S , 80
Huxley, A. F., 69, 84
H H , 125
L. G. H , 759, 815
Huybers, K. A., 778
Huysinga, A., 192, 195
Huzurbazar, V. S., 984
Hwang, C. T., 1078
Hyams, B. D , 315
Hydari, Sir M., 389
Hyde, A., 777
D., 1249
F. E., 146, 158
H A., 425
H. M., 540
S , 237
Hyderabad, Nizam of, 1022
Hyland, H. H , 714
Hynes, H. B. N., 151
M , 72, 73
Hyslop, J. M., 909
Hytten, T , xxix, 812, 815

Iball, J., 524
Ibbs, T. L., 28
Ibrahim, I. A., 1107
Ide, F. P., 710
Idris, A. E. W., 267
Ievers, S. E., 391
Ignatieff, L., 737
N., 701
Iland, C. N., 30
Ilersic, A. R., 440
Iles, E. J., 316
Ilett, J. J., 143
Iliff, N. A., 79
Iliffe, A. H., 392
M. I. G., 759
Illing, V. C., 201
Illingworth, C. F. W., 511
C. R., 314
G. H., 134
J., 637
R. E., 482
R. S., 402
S., 147
Ilsley, Rt. Hon. P. C., 581
Imam, A., 1054
Immelman, M. N. S., 878
R. F. M., 860
Imms, A. D., 95

Imper, A. D., 473
Imrie, C. G., 402
J. A., 509
Inayatullah, D., 1069
Ince, F. E., 193
J., 845
Ince-Jones, A. K., 288
India, President of, 933, 952, 971, 1051
Inebnit, J. P., 126
Ineld, L., 707
Ing, Mrs. C. M., 371
H. R., 354
Ingham, A. E., 67, 79
J., 435
K., 1097
S. M., 774
Inglis, Sir C. E., 78
J. A., 790
K. S., 774
W. B., 484
W. K., 804
Ingold, C. K., 238, 248
C. T., 195
Ingram, H. V., 114
J., 252
J., M.A., 1235
J. T., 132
K., 1100
P. L., 228
V. M., 195
W. G., 65
W. W., 809
Ingram-Clark, C. T., 914
Inkster, R. G., 481
Inman, Lord, 256
M. K., 736
Innes, A., 33
D. E., 522
Rev. H. S. R., 787
I. R., 473
M. M., 470
W. D., 698
Innis, H. A., 709, 726
Insh, G. P., 477
Inskip, D. P., 862
Ioan-Jones, D., 437
Ioppolo, Rev. A., 668
Ip, H. H., 1080
Iravathi, A. R., 1000
Iredale, T., 797
Ireland, J., 43, 511
P. E., 714, 717
Irénée, Br., 596
Ireton, H. J. C., 708
Irons, E. J., 222
Ironside, W., 134
W. M. S., 469
Irvine, E. D., 133
F. G., 198
G., 425
Sir J. C., xxviii, 520, 1231, 1232
K. J., 136
Mrs. L., 699
M., 319
O. R., 722
Irving, H. M. N. H., 346, 369
J., 43
Irving, J., B.A., 896
J. A., 708
J. T., 863
R. J., 125
Irwin, C. G., 114
G. E., 667
J. D., 453
J. O., 299
L., 770
M., 828
R., 242
S. T., 21, 531
Isa, J. M., 634
Isaac, G., 427
J. E., 772
P. C. G., 109
W. E., 895
Isaacs, D. G., 1017
R. G., 431
Isaacson, I., 916
Isbister, J. I., 803
J. S., 803
W. J., 765
Ishag, M. A. A., 1107
Ishaq, M., 1063
Isherwood, K., 397
R., 151
Islam, A. K. M. W., 1065
A. S., 1063
Isles, K. S., 532, 539
Ismail, M., 934
S., 1024
Israel, G. C., 812
Israëls, M. C. G., 317
Israelstam, S. S., 908
Iswaran, V., 975
Iswariah, M. B., 1003
V., 1003
Ivamy, E. R. H., 242
Iveagh, Earl of, 1233
Iverach, J. A. D., 831
Iversen, C. E., 847
Ives, D. J. G., 195
J. C. J., 489
Ivey, D. G., 708
Ivins, J. D., 338
Ivor, D., 736
Iyangar, S., 1016
Iyengar, C. N. S., 1009
C. V. K., 1008
K. S., 1009
K. V., 1009
M. N. N., 1009
M. T. R., 1009
N. L. K., 1011
S., 1024
S. G. S., 1011
V. T. T., 1010
Iyer, B. H., 1051
G. R. N., 1047
K. A. S., 992
K. C., 1044
K. S. A., 999
K. S. M., 1000
K. S. S., 1015
K. V., 1047
L. A. N., 1029
M. V., 1009
N. S., 999
S. N. C., 1004
Iyer, T. P. S., 971
V. S., 999

Ja'afar, O. B., 1082
Jabbar, A., 1063
Jack, A. B., 631
D., 524
D. T., 107, 109
H., 523
K. H., 108
K. M., 521
W., 115
Jacka, R. C., 552
Jackman, Mrs. A., 213
L. M., 757
Mrs. M., 625
W. A., 51
Jacks, M. L., 346
Jackson, A., 913
A., B.Sc., 672
A. A., 252
A. C., 775
B. E., 102, 104
C., 884
D. A., 352
D. M., 29
D. N. R., 719
E. G., 136
E. H. T., 200
G. A. D., 420
H., 319
H. S., 324
H. S., Ph.D., 702
I. M., 267
J. D., 607
J. E., 65
J. G., 32
J. H., 75
J. H., M.A. Lond., 227
J. L., 689
J. M., 523
K. B., 712
K. H., 482
K. L., 239
L. C., 47
L. H., 422
M., 912
M., M.Sc., 336
M. V., 715
O. J. V., 265
P. R., 829
R. F., 798
R. M., 72, 82
R. M., B.Sc., 333
R. W. B., 720
S. H., 319
S. P., 909
T. A. S., 149
W., 200
W. D., 517
W. H., 710
W. J. S., 716
W. P. U., 865
Jacob, E. F., 349, 357
F. H., 423
G., 307
K., 1004
K. C., 1003
L., 149
W. F., 979

Jacobs, B., 203
D., 444
D. J., 885
E. L., 886
J., 149
J. A., 225
M., 312
M. G., 798
O., 504
S. E., 198
Jacobson, J. J., 864
J. N., 914
L., 912
S. P., 912
Jacobsthal, P., 360
Jacobsz, C., 881
Jacoby, F., 425
Jacques, A., 597
A. E., 619
Rev. E. J., 1001
W. A., 851
Jadhav, V. V., 958
Jaeger, A., 1094
J. C., 813
Jafar, A. R., 1023
Jaffary, S. K., 719
Jagannadham, V., 940
Jagannathacharıar, C., 999
Jagannathan, P. N., 1017
Jagathambal, K., 1000
Jager, B. de, 887
Jagger, J. M., 459
L. G., 138
Jagirdar, P. J., 1016
Jahn, H. A., 459
Jahoda, G., 315
Jain, A. P., 974
A. P., Patna, 1029
B. D., 971
B. L., 971
G. C., 979
H. L., 1020
J. C., 957
K. C., 1016
M. P., 926
M. P., LL.M., 973
R. S., 972
V. K., 975
V. S., 1016
Jaiswal, G. P., 1024
J. P., 991
Jakatey, D. S., 1019
Jalland, Rev. T. G., 442
Jambunathan, S., 1023
James, B. C. L., 24, 26
D. G., 45, 46, 55
D. M., 435
D. P., 58
D. W., 236
E., 1100
Rev. E., 805
E. J., 1004
Rev. E. O., 254
E. S., 637
F. C., xxvill, 603, 605
F. W., 788, 790
G., 789
G. F., 780
G. S., 128
G. W. B., 280
James, H. E. O., 184
I. T., 448
J., 261
J., O.B.E., 414
J. A., 49
J. C., 503
J. G. H., 437
J. H., 164
J. W., 200
L., 75
M. E., 102
M S. C., 447
N., 634
N. D. G., 360
P. M., 228
R., 428
R. D., 571
R. I., 505
R. W., 863
S. P., 28
T. E., 209
U., 273
W. O., 345, 365
W. S., 45
W. W., 34
Jameson, C. E., 1004
K. S., 834
Jamieson, H. C., 555
H. H., 809
J D. H., 489
J. G., 132
J. G., O.B.E., 275
M. C., 634
R. A., 511
R. E., 609
S., 567
S., Aberdeen, 474
W. M., 525
Jamil, Mrs. M., 990
Jamiluddin, K., 990
Jan, S. A. M., 974
Janakiram, G., 1051
Janakiramayya, B., 941
Janardhan, P. B., 998
Jane, F. W., 224, 248
Janeba, F. A., 770
Janes, B. V., 321
R. M., 716
Janet Mary, Sr., 1002
Jankiamma, A. C., 972
Janse, A. J. T., 883
Jansen, E. L., 883
J. A., 1084
Janssen, E., 885
Jansz, H. D. W., 1058
Jaques, J. W., 249
L. B., 691
Jardine, F. E., 481, 491
P., 50
Jarmain, E. G., 735
Jarman, A. O. H., 488
T. L., 45
Jarry, J. A., 648
Jarvis, A. P., 25
Rev. W. A. W., 972
Jasmin, D., 646
Jasper, H. H., 613
Jaswon, M. A., 42, 43, 201
Javarek, V., 188
Jawadiwar, N. B., 1020
Jayakar, Rt. Hon. M. R., 1033, 1034
Jayalakshammanni, S., 1009
Jayaram, C., 1042
Jayaraman, V. S., 998
Jayasekera, H. T. W., 1058
K. G., 1058
Jayasuriya, F. R., 1055
J. H. F., 1058
M. H. F., 1056
Jayavant, D. L., 1014
Jayawardene, P. U., 1057
Jayawickrema, N. A., 1055
Jayewardene, F. L. W., 1056
Jayne, D. E., 103
Jeaffreson, B. L., 132
J. W., 248
Jean, F. X., 590, 600
M., 591
Y., 590
Jeanneret, F. C. A., 704
Jeannotte, Mgr. H., 651
Jebb, G. E. M., 191, 193
Jebson, W. N., 840
Jeevanayakam, D., 1045
Jeffares, A. A., 1234
A. N., 484
Jeffcoate, T. N. A., 154
Jefferis, J. D., 563
Jefferson, D. M., 1004
D. W., 126
Sir G., 308, 320, 331
G. T., 428
J. M., 31
Jeffery, G. B., 183
G. H., 306
L. H., 86, 371
P. M., 818
R. L., 673
Jeffrey, A. C., 776
A. G., 131
G. A., 124
J. G., 691
J. S., 492
Jeffreys, Mrs. B., 85
H., 61, 81
M. D. W., 908
M. V. C., 24, 34
Jeffries, T. O., 367
Jehring, B., 243
Jehu, R. M., 870
Jeletzky, T., 664
Jelinek, B., 43, 549
Jelliffe, D. B., 1094
Jellinek, H. H. G., 756
Jemmett, D. M., 672
Jenkin, H. B., 736
P. M., 48
Jenking, R. I., 704
Jenkins, Rev. C., 356, 359
D. H., 457
D. H., Austral., 791
D. W. T., 420
E., 423
E. N., 415
G., 324
G. N., 115, 116
H., 139
H., D.Litt., 240
H. J. S., 427

Jenkins, J. A., 831
J. D , 137
J. G., 164
J. M., 397
M. M., 619
R. B. M , 401
Rev. R. G. F., 1238
R. J. H., 209
R. T., 412, 421, 422
S. P , 224
W. A., 455
W. J., 436
Jenkinson, A J., 325
E. M., 249
Jenne, T. G , 441
Jennings, A. R., 151
F. C , 664
H , 202
Sir I , xxix, xxxi, 220, 769, 1054, 1060, 1232
J. N., 452
M., 643
Hon. M. A , 354
R., 537
R. E., 243
R. Y., 72, 78
S A., 571
V. C., 773
Jensen, A E , 911
C A., 632
M , 348, 1259
O , 871
Jephcott, Sir H., 235
Jeppe, C. W. B , 911
Jepps, M. W., 508
Jepson, G. L., 738, 740
J B., 267
R. P., 320
W. F., 203
Jeremy, R., 417
R , Austral., 803
Jermyn, P. V , 711
Jerome, F N., 723
Jerram, C. W. S., 831
Jerrard, H. G., 460
Jervis, W. W., 46
Jessop, H. T., 239
T. E., 447
Jesudas, D. I., 948
Jesuratnam, S., 1002
Jetté, Rev. F., 666
Jevons, W., 202
Jewell, C. A., 392
P. A., 73
Jewett, P. M., 680
Jewitt, A. R., 563
Jewkes, J , 346, 364
Jeypore, Maharajah of, 940
Jha, S. D., 971
S. N., 991
S. N., Patna, 1030
U. N., 1031
Jhingran, V. G , 928
Jiang, S. S., 1080
Jilani, G., 1065
Jiménez, Don A., 352
Jitta, J., 816
Joad, C. E. M., 196
Joardar, N., 994
Joassin, A. E., 632
Job, E. M., 417
Jobberns, G , 835
Jobey, G., 117
Jobin, A., 593, 600
J. B , 598
P., 597, 600, 602
Joblin, Rev. K J., 721, 733
Jobling, C. D , 115
Jobson, P. L., 802
Jodh, P. R , 1020
Joe, A., 489
Joel, M , 829
Joga Rao, C. V., 1051
Joglekar, K. S., 1019
N M., 1015
John, A H., 216, 343
C. C , 1042, 1045
C. M , 943
E. B , 533
I. G., 417
L., 425
L. R., 949
P. G , 334
R W., 284
V. V., 1047
W. J., 221
Johnman, C. K , 900
Johns, A E., 625
B M., 1083
E. M., 441
G. H , 458
H. E., 691
M. W , 626
W. H., 550
Johnson, A , 125, 138
A , B Sc Manc , 323
A., F.R.San.I., 309, 320, 324
A. A., 850
A. H., 737
A. L., 608
A. R., 412, 428
A. S., 804
A. S., Madras, 1003
A W., 62
B. K., 202
B. L C , 26
B. R. M., 267
C , 138
D C., 71
D. W. J., 26
E , 324
E., B.A., 418
E. F., 278
E. L., 110
E. M., 373
F., 631
G., 117
H. G., 64
H. G., LL.B., 551
H. G. L., 135
J. B., 676
J. H., 716
J. R., 665
L. G., 125
L. G., Canada, 613
L. P. V., 553
L. R., 131
M., 402
M. C., 574
Johnson, M. C , D.Sc., 28
M. L., 236
N. L., 244
P., 64, 237
R. C., 781
R. M., 784
S , 631
S E , 993
T. M., 558
W., 163
W., Belfast, 535
W., B Sc , 322
W. A., 609, 616
W. H , 735
W. J , 569
W. L , 569
W. T., 52
Johnston, A. M., 488
A. R , 718
C. H., 779
D., 136
D. L , 494
Mrs E , 1078
F , 762
F. H , 770, 780
J , 1234, 1235, 1237
J., Bangor, 420
J. W., 832
K. B., 614
L W , 676
R. A., 722
R A., M.D , 738
R. C , 522
R. G., 496
S. H. F., 416
S R , 582
T. H., 759
T R., 839
W , 538, 540
W. D , 346
W J., 616
Johnstone, Sir A. H , 839
A. S , 134, 135
J. A., 836
J. H. L., 580, 584, 585
J. W., 778
K. I , 131
M M., 30
W. A., 557
Johri, B M., 971
G. P., 990
H. C , 992
K. N., 971
L. N., 975
Jois, H. S., 1008
Joliat, E. A., 705
Jolivet, P. A., 335
Joll, J. B., 364
Jolley, E. S., 458
Jolliffe, A. W., 606
J. E. A., 349, 370
M., 1107
N. C., 63, 85
Jolly, C. L., 1102
W. C., 472
Jolowicz, H. F., 248, 353, 357
Joly, B. M., 1095
J. M., 667
R., 592
Jonas, M. M., 315

Jonasson, H. D., 634
Joncas, L , 592, 595
P., 592, 595
Jonckheere, A. R., 244
Jones, A., 157
A., B.Sc., 392
A. E., 423
A. G., 55
A. H M., 241
A. M , 315, 317
A. P , 130
A. T , 153
A. W , 109
B., 445
B. M., 486
Sir B M., 72, 76
C. A., 352
C B., 422
C. D. P , 397
C M., 632
C. V., 401
C. W , 149
D , 248
D , B Com , 709
David, 421
D A , 472
D C , 221
D C., B.Sc., 421
D. C., M A , 326
D. J G , 417
D. M., 195, 424
Rev. D M , 411
Rev D. R., 368
D. S., 314
E , B.Sc., 192
E , M A , 208
E., M.D , 283
E , Ph D., 240
E. E , 336
E G., 420
E. J , 423, 431
E. L , 435
E M., 690, 695
E. M., B A , 788
E. O , 314
E. P., 154
E R. H , 309
E. T , 418
E. W., 347
E W , F R.C P , 153
Ethel W., 52
E. W. K , 423
F., 201, 306
F. C , 46
F G. W., 70
F. H. M., 580
F. Ll., 432
G., 416
G., B.A., 448
G., Ph.D., 415
G. I., 61
G. O., 222
G. P., 398
G. R. J., 127
H., 415
H., B.A., 757
H., Ph.D , 201
H. A., 157
Very Rev. H. A., 451
H. I., 422
Jones, H. J. F., 364
H. M., 421
H. W. E., 32
H Y., 823
I., 415
I. C , 151
I. C., M.Sc., 417
I G , 437
I. R., 436
I. W , 594
J., 436
Rev J , 412
J D., 401
Rev J D , 412
J. D. T , 116
J. I , 447
J. K. N., 45
J. L., 1247
J. R., 417
J. R. E., 417
J. T., 550
J. W , 151
J. W., LL M , 306
K., 418
L , 146, 150
L. E., 712
Ll. I , 418
L. O., 778
M , 112
M G , 85
M M. B , 452
M W , 308
N C , 151
N. G , 338
O. A , 789
O. T , 75
P., 569
P J , 127
P. J., B Sc , 513
P. M., 421
R., 137
R. A., 208
R. B , 338
R H , 432
R. M , 541
R. O , 582
R. P., 418
R. P N , 470
R T , 35
R V , 472
S , 504
S G , 515
S. J., 522
T , 417
T., LL.D., 415
Rev. T , 371
T. D., 66
Rev. T. E , 412, 422
T. G., 433
T. G. H., 788
T. G. J., 431
T. H., 723
T. J., 144
T. L., 724
V., 433
V., M.B., 437
V. E., 436
V. H., 428
Mrs. V. I., 427
V. S. V., 79
Jones, W. A., 676
W. D., 418
W. G , 659
W J., 418, 425
W. M., 417
W. N., 191
W. R , 421, 429
W. R. D , 427
Jooste, C. J., 872
F. J., 892
J. P., 894
M. E., 903
Jope, E. M., 532
Jopson, N. B., 68, 82
Jordaan, J C., 886
P G , 899
Jordan, A., 402
A. C , 860
D. O., 333, 343
E. L., 994
H. A., 552
J. W., 535
R. C., 428
W. J., 151
Jorgens, J. R. S., 552
Jory, N. A., 276
P J., 278
Josef, B., 1057
Joselin, A G , 129
Joseph, A C., 1000
B , 218
B L , 46
F , 1004
J , 258
Sir K. S., 357
Mrs. L. O. R., 1001
M H., 778
M. K , 840
M. R , 803
P C , 1044
W. N , 1017
Joseph-Edmond, Rev. Sr., 667
Joseph-Ferdinand, Rev. Sr., 667
Josephine, Sr. M., 1002
Josephs, M , 1100
Joshi, D. D , 973
D. V., 1033
G. B., 952
G D , 1020
K. M , 1016
M. D , 990
M G., 1017
M. P., 1014
M. V., 955
N. V., 957
P. N., 958
R. M., 1016
R. W., 957
S. S., 952
S. S., M.A., 1016
V. W., 1016
Mrs. Y., 1014
Joshi Rao, G. K., 1017
Joshua, A. K., 1000
A. S., 1003
J. P., 1000
Joske, E., 780
P. E., 777, 781
Joss, E. J., 517

Jost, T., 662, 666
Joubert, C. J., 902
E. S., 892
I. J , 893
J. M., 899
W. A., 905
W. A., M.A , 893
Jourda, P , 41
Jourdan, Canon G. V., 1238
Jowett, A., 137
G. H , 400
Joyner, M. S , 760
Joynson, R. B , 336
Joynt, T. A , 494
W. F., 760
Judd, A. R., 229
Mrs H. O , 218
W. W., 626
Rev. W. W., 731
Judek, S., 483
Judge, E. A , 843
Judges, A V , 208, 220
Judkins, B. E., 617
Juge, P., 399
Jukova, V., 188
Julien, Rev. B , 662
L., 665
Jull, E N., 24
J. W., 133
Jump, J. D., 311
Jung, Nawab A. Y., xxix, 1022
R., 46
Jungmann, H., 236
Jupe, M. H., 265
Jurd, L., 852
Juritz, J. W. F., 863
Jurkszus, J., 666
Jury, C. R., 765
G. S., 625
Jussawala, Mrs. S., 1025
Jutras, A., 648
Jutsum, P. J., 392

KABERRY, P. M., 237
Kabir, M., 1064
Kaempffer, F. A., 573
Kahn, E., 909
F. D , 314
J. F., 845
M. M., 1024
R. F , 64, 79
Kahn-Freund, O., 217
Kaizer, Dr , 1039
Kaji, S. M., 956
Kakabadse, G. J., 125
Kakati, B. K., 984
Kalathil, J., 1000
Kalbfleisch, H. K , 736
Kaldor, N., 64, 79
Kale, G. T., 1051
Mrs. H., 1052
S. S., 1016
V. D., 1016
W. S., 1016
Kaleja, Mrs. F., 547
J., 547
Kalia, B. K., 972
Kalicki, J., 128
Kalk, M. J., 910
Kallianpurkar, S. M., 988
Kallingal, Rev. J., 1002
Kallukaran, P. P., 999
Kalmus, H , 240
Kalpagam, Mrs. R., 1000
Kalyanasundarammal, Mrs. C., 949
Kalz, F , 613
G. G , 611
Kamakshamma, B., 944
Kamaraju, B , 1048
Kamath, N. R., 955
V B., 957
Kamel, W., 238
Kameswara Rao, T. V , 942
Kaminsky, R., 631
Kamm, R L , 775
Kanagasabapathy, P., 1055
Kanagasunderam, R., 1056
Kanakaratne, D , 1057
Kanal, P. V , 981
Kanan, C V., 1025
Kanapathipillai, K., 1056
Kandaswami Pillai, K P , 947
Kandel, I. L., 450, 454
Kandiah, A., 1054, 1056
P., 1054
Kane, F., 1251
F. F., 535
G J., 240
Rev. G. L , 684
G. P., 955
J. G., 955
P. W., 1019
Kangle, R P., 956
Kania, J. E. A., 568
Kannan, M , 949
Kannappan, S., 949
Kannemeyer, D. D. V., 896
Kannuluik, W. G., 775
Kanta, S., 978
Kantak, V. Y., 958
Kapadia, D. F., 958
E. R., 973
K. M., 955
M. R., 956
Kaplan, C., 865
S., 912
S. A., 910
Kapoor, A. N., 978
I. M., 978, 981
J. N., 973
M. C., 972
P. L., 974
S. K., 971
S. R., 989
S. S., 972
Kappanna, A. N., 1016
Kapur, C. L., 981
H. R., 1030
S. K., 980
Kar, K. K., 1048
K. R., 971
Karagheusian, V. N. T., 773
Karambelkar, V. W., 1020
Karamet, U., 1072
Karbelkar, N. V., 1016
Karberg, M. E. E. R., 893
Karefa-Smart, J., 1094
Karekar, P. N., 1019
Karim, A., 1065
M., 1065
Kark, W , 914
Karkare, M. G., 1014
Karmalkar, B. S., 1016
Karmarkar, K. R., 1019
Karmel, P. H., 757, 772
Karn, E , 128
M N , 240
R. G., 270
Karnik, H. R., 958
Karstel, O. A , 877
Karunakar, P. D., 1004
Karunakaran, V., 1018
Karunaratne, W. A. E , 1057
Karwal, G. D., 937
Kashikar, S. G , 1020
Kashyap, A., 1014
Mrs A , 991
Kaske, Rev. E , 892
Kasliwal, R. M , 1037
Kastner, L J., 431
Kasture, G. K., 1016
Katainen, V O., 551
Katare, S. L., 1041
Kate, L. M., 1017
S. R., 1016
Kathale, C. N., 1015
Kathavate, Y. V., 975
Katz, B , 243
F. M., 776
J., 631
L., 691
S. M., 913, 914
Kaufman, J , 616
M., 616
Kaufmann, J., 612
Kaul, B N., 974
K. N., 975
R. N., 938
T. N., 974
Kauntze, R., 259
Kaushik, Mrs S , 973
Kauskutty, C. K., 972
Kaut, L., 991
Kawerau, E., 1242
Kay, A. W., 511
B. F., 157
H. D., 253, 393, 394
H. F., 47
J. M., 72
Mrs. M., 791
R. M., 839
Kaye, G. A., 778, 781
G. W., 308
J., 914
M., 306
M. A. G., 145
V. J., 666
Kayser, H. D., 200
H. G., 1014, 1020
Kazimi, A. A., 1031
Kean, A. M., 453
T. A., 535
Keane, J., 1245
Kearney, D. A., 813
W., 1248
W., M.D., 1252
Kearns, H. G., 54
P. J., 613

Kearton, W. J., 152, 158
Keating, G., 1246
Keats, R. R., 787
Keay, D. M., 527
Kebby, C. H., 201
Kedar, V. T., 1014
Keegan, J. H., 35
R., 723
Keele, C. A., 268
Keeley, T. C., 350, 366, 368
Keeling, S. V., 243
Keen, A. D , 865
E. M., 818
H. H , 358
J. A., 860
Keenan, E , 1245
Keene, D. L., 74
Mrs. M. F. L., 272
Keep, E., 252
Keeping, E. S., 552, 554
Keet, B. B , 902
D. J., 882
Keeton, G. W., 241, 246
Kefford, G. W., 227
Keilin, D., 62, 79, 92
Keir, Sir D. L., 358, 541
G. H., 244
W. A. S., 471
Keirstead, B. S , 605
Keith, T. J., 823
Keith-Lucas, B., 349
Keizer, W. R., 264
Kekwick, A., 267
R. A , 302
Kelder, J. C., 901
Kelkar, D. K , 957
Mrs. I , 1020
M. G., 1019
N. R., 1018
P. K., 958
Kelland, F., 698
Kellar, R. J , 490, 492, 493
Keller, R. E., 224
Kellermann, E. W., 129
J. H., 883
Kellett, Mrs., 141
Kellgren, J H., 318
Kellie, A. E., 267
Kellner, C., 202
K., 460
Kellock, Rev. J , 958
Kells, J. H., 238
Kelly, A., 138
A. G., 477
A. M., 338
C., 1251
C. D., 611
F. G., 547
G. C., 51
H. G., 675
J., 1250
J. C. C., 509
Rev. J. M., 708
Rev. J. N. D., 356, 369
T., 157
T. H., 870
T. S. B., 50
W. P., 44
W. R., 151
Kelsey, F., 427
Kelso, J. A., 554
Kemball, C., 84
C. H , 494
Kemmer, N., 67, 84
Kemp, B., 372
C. C., 838
C. N., 487
Rev. E. W., 356, 361
F. H , 354
H. R., 791
J., 523
K. W., 30
M. A., 709
T., 458
Kempen, W., 900
Kempton, A. E., 69, 75
Kemsley, Visct., 425
Kendal, L. P., 315
Kendall, A. W., 262
D. C., 325
D. G., 349, 363
J. P., 482
M. G., 218
O. D., 46, 55, 57
P. F., 496
Kendon, F. S. H., 82
Kendrew, J. C., 80
Kenedi, R. M., 517
Kenley, P. R , 774
Kennard, D. W., 242
Kennedy, A., 115, 765
Rev. A. C., 471
A. H., 724, 725
A. J , 243
C. D., 492
C. M., 366
D., 634
Rev. D. M., 958
F., 536
F., Canada, 571
G. D., 571
J. E., 659
J. M., 403
Rev. L. A., 691, 693
L. L., 549
M. M., 802
R. J., 672
S. G., 1253
Rev. V. L., 703
W. F. R., 631
W. O., 722
W. P. M., 730
W. Q., 127
W. R., 612
Kenner, G. W., 63, 84
Kenneth, J. H., 485
Kennett, S. J., 152
W. T. E., 705
Kenney, R. A., 129
Kenniah, M., 654
Kennon, R., 155
Kenny, G., 787
M., 292
P. J., 804
R. H., 808
Kenrick, W. B., 22
Kenshole, G. E., 259
H. H., 258
Kent, A., 503
F. L., 44
Kent, G. H., 651
Rev. H. A., 674, 677
N. R., 895
P. W., 23, 42
S. R., 712, 726
Kenworthy, B. J., 471
Kenyon, Lord, 420
J., 306, 1249
K., 181
Keogh, B., 778
C. A., 265
P. P., 776
Keown, J. E., 508
Keppel-Jones, A. M., 909
Ker, H. R., 207
J. W., 569
N. R., 350, 363
Kerferd, G. B , 101, 104
Kergin, F. G., 716
Kerley, P. J., 289
Kerly, L. M., 237
Kermack, D. M., 203
K. A., 245
W. O., 469
Kermode, H. S., 391, 395
J. F., 391
Kerr, A. E., xxviii, 578
A. S., 155
D. G. G., 654
D. I. B , 759
D. J. A., 489
D. P., 705
E., 534
I. W., 798
J. H., 317
J. S., 772
M., 130
Mrs. M. H., 127
R. B., 714, 716
Rev. R. J., 1238
R. J. A., 459
S. A., 697
T., 130
W. A , 912
W. F. K., 537
W. R., 535
W. W., 552
Kerrich, J. E., 909
Kerridge, E. W. J., 334
Kerry, S. S., 312
Kersey, L. R., 568
Kersham, G. F., 251
Kershaw, W. E., 147
Kershman, J., 613
Kersley, G. D., 49
Kerswill, C. J., 740
Kertland, M. J. H., 532
Kerwin, L., 595
Kesteiman, H., 242
Ketcheson, J. W., 723
Ketchum, J. D., 709
Ketelbey, D. M., 523
Kettle, A. C., 126
Kettlewell, J., 324
Kevan, D. K. McE., 338
Kevin, Rev. C., 1243
Kewalramani, G. G., 957
Kewley, T. H., 797
Key, G. J., 865
J. A., 115

Keyes, G. L., 703
Keynes, R. D., 84
Keys, A. C., 841
I. C. B., 533, 538
Keyser, J. W., 436
Keyter, J. de W., 878
Khadpekar, S. V., 1017
Khalifa, A. R., 1065
Khambata, F. S., 958
Khamgaonkar, D A., 1019
Khan, A. H., 1025
A. K. M., 1075
A. M, 1023
A. S, 1024
A. S. M., 1025
A. W, 1024
D. A., 1026
F. K., 1024
F. M, 1071
F. N, 1022
H., 1071
H. A. A., 1025
H. M. H, 934
H. Z, 934
H. Z. A., 934
I. A., 1022
I. A., LL.M., 1023
I. H., 1022
I. R., 926
K A, 1010
Hon. L. A., 1077
M. A, B.Sc.Agr., 1071
M. A., M A, 1020
M. A., M Com., 1064
M. A., Osmania, 1025
M. A. A., 1022, 1027
M. H., 1024, 1027
M. M, 1064
M. N., 934
M. O., 1024
M. Q., 1022
M. S, 1026
N. A., 990
O., 1024
Q. H., 933
R., 1063
R. A, 933
S., 1025
S., Dip.Phys.Ed., 1026
S A., 1070
Mrs. S. A., 1070, 1072
S. A. E., 1071
S. A. L., 1069
S. M., 1064
W., 1023
Y. H., 1023
Z. A., 1027
Z. H., 933
Khandekar, P. S., 1016
P. V., 1019
Khanna, A. R., 981
K. C., 982
R. N., 972
V. N., 989
Khanolkar, A. L., 1016
Kharche, R. N., 1016
S. T., 1015
Khardenavis, P. N., 1019
Khare, D. C., 1017
H. K., 1016
Khare, P. L., 1019
Kharkwal, A. D., 990
Kher, P. G., 957
S., 992
V. G., 1019
Khera, R. L., 1048
T. R., 1018
Khong, B. T., 1084
Khoo, O T., 1083
Khorana, M. L, 955
Khosla, B., 971
J. N., 926
M. C, 979
M. L., 980
Khowja, M I, 973
Khundkar, H. M., 1063
Khundmiree, S A., 1025
Khusro, M. I, 934
Khwaja, M I., 934
Khyal, T. M., 1071
Kiang, A. K, 1082
Kibble, W F, 1000
Kichlu, P K, 974
Kidd, H, 60
I. G, 521
Kidder, D E, 133
Kiddle, M, 774
M., N.Z, 834
Kidson, C, 441
Kidwai, M R., 930
Kiely, J, 1252
P., 1252
Kiernan, V. G., 485
Kieser, M E, 54
Kievell, M. L, 565
Kijlstra, H. E, 772, 774
Kikauka, P., 624
Kilburn, K, 221
Kilby, B. A., 123
W. F., 402
Kilgour, J M., 636
Kilham, J. K., 136
Kille, R. A., 486
Killeen, F., 1253
J. F., 427
Killick, E. M., 273
Kilmister, C. W., 209
Kilner, T. P, 355, 367
Kilpatrick, F. R., 259
Rev. G. D., 343, 356, 366
Rev. G. G. D., 620
J. A., 403
Kimble, D, 1091, 1092
G. H. T., 606
King, A., 817
A. C., 474
A. J., 265
A. M., 45
A. S., 227
B. C., 504
B. E, 72, 80
C. A., 690
C. A. M., 102
C. S., 813
D., 617
D. P., 256
Mrs. D. Z., 227
E. J., 292
F., 739
F. E., 333, 343
King, F. W., 446
G, 280
G, F.R.C.S., 1079
G. L., 673
H., 306
H., M A., 446
H. A., 720
H. J, 137
H. J. S., 306
H K., 145
H. M., 566
Rev. J E L., 371
J. J. D, 261
J. L, 779
J O. L., 151
J. W, 896
J. W. H, 221
K, 677
K. C, 312
L. C., 870
M. L, 484
P. A, 397
R, 41
R., M.Sc., 440, 443
Mrs. R., 143
R. O, 711, 712
R. O. C, 791
R. W., 421
R. W., B Sc, 554
S Y, 1079
T. B, 518
T J., 333
T S., 397
W. B R, 66, 79
W. E., 778, 779
W H, 911
King-Hamilton, A, 195
Kingscote, A. A., 724
Kingsford, R. J. L., 76
Kingston, Rev. C., 686
H. R., 736, 739
Rev. L., 686
Kinkead-Weekes, N. K., 898
Kinley, C. E., 583
G. S., 581
Kinnear, A. A., 864
J., 525
J. K., 618
J. S., 527
N. A., 1234
W., 1240
Kinsley, C. T. M., 488
J., 416
Kinsman, E, 654
K. L., 426
Kinvig, R. H., 26
Kipling, J. J, 445
Kipping, F. B., 63
F. S., 143, 343
Kipps, Mrs. H., 862
Kiralfy, A. K. R., 209
Kirby, E. S., 1078
J., 34
P. R., 910
Kirk, G. R., 831
J., 268
M., 127
R. L., 818
W., 471
Kirkaldy, H. S., 67, 81

Kirkaldy, J. F., 222
Kirkby, W. A., 401
Kirkconnell, W , 546
Kirkham, R. M , 486
Kirkhouse, E. S , 116
Kirkland, A. A., 526
Kirkness, J. A , 839
Kirkpatrick, E R G , 527
H. W., 581
J. B., 617, 620
R. M , 805
T. P. C , 1237, 1242
T. W., 1103
Kirkus, A. M , 390
Kirkwood, J., 512, 513
K., 871
Mrs. M. M , 704, 731
Kirouak, T. U , 596
Kirpekar, C. S , 1015
Kirsch, M , 566
Kirsten, J. F., 901
Kirtane, V B , 957
Kirtisinghe, P , 1056
Kirwan, R. W., 1235
Kirwan-Taylor, H G , 278
Kisby, C , 138
Kishore, J , 974
Kissane, Rt. Rev Mgr. E , 1243
Kissling, J. H., 851
Kitai, R , 911
Kitchen, H D , 636
L C., 626
Kitchener, J. A., 199
Kitchin, G., 484
Kitching, E. H , 315, 319
G. A., 132
H. W., 722
J. A., 48
Kitchlu, V., 926
Kitson, E. K., 209
Kitto, H. D. F., 45
Kitz, A., 582
Klass, A. A., 630, 637
Klawe, J. J., 712
Kleege, G. H., 566
Kleeman, A. W , 758
Kleerekoper, H , 626
Klein, A. F , 719
E. R., 771
G., 196
Klem, Rev L J., 705
Klemperer, O., 202
Klerk, P. J. S. de, 894
Kletts, N., 317
Klibansky, R., 607
Klinck, C. F , 736
Klingender, F. D., 445
Klingopoulos, G. D., 399
Klop, U. H., 862
Klugman, D. H., 912
Klyne, W., 292
Knapman, E. B , 52
Knapp, B. J., 789
B. N., 35
C. F., 324
F. M., 569
Knaster, R. M. J., 926
Kneale, Mrs. M., 371
W. C., 350, 360
Kneebone, G. T., 193
Kneeland, S. F., 698
Knelman, F. H., 609
Kniep, M., 910
Knight, A H. J., 66, 83
A. R., 473
C. R., 839
D , 209, 505
E. M , 251
G A. F., 829, 832
G C , 228
G. H , 31
G. W., 126
J , 836
J. S., 34
M , 145, 161
Mrs. M., 473
R C., 432
R H., 28
W. A , 59
W. F. J , 440
Knights, K M , 143
L. C., 399
Knoop, D., 331
Knorring, O. von, 127
Knott, E., 1234, 1236
F. A., 259
Knowles, Mme, 25
C , 314
D , 147
E A. G., 25
F , 609
J , 136
Rev. M. C , 67, 80
N. R., 534
R. H., 553
V., 308, 310
Knowles-Williams, G., 880
Knowlson, H., 52
Knox, F. A., 671, 672, 674
G. A., 834
H. M., 450, 521
J. A. C., 210
M. A., 488
R., 258
R. G , 722
R. S., 703
T. M., 523
Knox-Shaw, T., 83
Ko, T., 27
Kobrinsky, S., 636
Koch, A C. E., 1057
H. P., 310
I., 485
S. W., 697
Koch-Emmery, E. K. T., 822
Kochar, H. V., 974
Kochukrishna Kurup, K., 948
Kock, E. L., 880
W. J. de, 881
Koefoed, H. A., 244
Koenig, H. P., 592, 595
Koenigsberger, F., 324
H. G., 532
Kofsky, N., 863
Kohli, S. R., 980
S. S., 974
Kohnstam, G., 238
Koinange, P., 1039
Kok, B., 876
Kok, O. V. S., 884
Kokan, M. Y., 998
Kolisko, G , 399
Kolkhorst, G. A., 352, 369
Kolnai, A., 594
Kolte, V. B., 1018
Koman, V., 1003
Komarnicki, W., 666
Komrower, G. M , 317
Kon, G. A. R., 303
Mrs. P. M., 394
S. K., 393, 394
Kondic, V., 27
Kondra, P. A., 634
Koninck, C. de, 594, 599, 600
Konovalov, S , 352, 364
Koole, A., 877
Koop, G. W., 184
J., 631
Kooy, F. H., 865
Koppe, H., 573
Koppikar, R. P , 958
Kornberg, H. L., 402
Körner, S , 47
Koster, B. M , 676
Kosterlitz, H. W , 473
Kostka, V. J., 630
Kothari, C. B., 955
Kottegode, S. R., 1058
Kotwal, J. P., 958
S. P , 1014
Kotze, A. J., 915
P L., 872
Kotzé, C. R , 901
Kourilsky, R., 602
Koutaissoff, E., 24
Kowalski, T., 610
Kozakiewicz, W., 695
Krailsheimer, A. J., 504
Krajina, V., 566
Kramer, P. J., 873
Kramrisch, S., 963
Krank, E. H , 606
Kraus, L., 863
Kravetz, A. J., 711
Krawinkel, H., 247
Krebs, H. A., 402, 409
Kreielsheimer, K. S., 841
Kreisel, G., 391
H., 551
Kremer, M., 267
Kreutzer, J., 717
Krieger, C. C., 707
Kriek, J. C., 885
L. A., 902
Kriel, D. J., 899
Kriewaldt, M. R. C., 757, 758
Krige, C. B. J., 871
C. F., 913
G. J. R., 899
J. D., 871
J. D. A., 909
P. E., 916
Krigsman, B. J., 863
Krishna, A., 993
B., 989
R., 972
V. S., xxix, 940
Krishna Murthy, S., 1008
Krishna Rao, M. V., 1009

Krishnamachari, S. T., 940
Krishnamachariu, N. C. A., 1011
Krishnamurthi, R , 1025
V., 948
Krishnamurthy, B. V., 955
S., 998
Krishnamurthy Rao, J., 949
M. R., 1052
Krishnamurti, Bh., 941
D. V., 998
R., 999
S , 947
T., 999
T. S. G., 942
V. S , 948
Krishnamurty, K., 1016
R , 999
T., 1048
Krishnan, A. L., 998
K G., 974
R., 972
R. B., 1010
R. S , 1052
S., 949
Krishnaswami, A., 947
Krishnaswamu Ayyangar, A. A., 940
G. V., 948, 950
Krishnaswami Chettu, S. T., 940
Krishnaswamy, C., 1008
Mrs. S , 1008
T. N., 1051
Kritzinger, J. H., M.A., 882
J. H., M Sc., 899
M. S. B., 880
Kroeze, J. H., 893
Krohn, P. L., 22
Krook, M., 27
Kropp, B., 675
Krotkov, G., 671
V. N., 674
Kruger, C. J. v. Z., 881
D. W., 893
Krupko, S., 908
Krūsi, H. K., 869
Kruszynski, J., 150
Kshirsagar, N. S., 1019
Kubinski, Z , 126
Kuehner, A. L., 563
Kuenen, P. H., 120
Kuhlman, H., 460
Kuhlmann, Dr., 41
Kuhn, H. G., 350, 368
Kühne, W. G., 245
Kularatnam, K , 1055
Kulinovsky, G. N., 710
Kulka, D., 27
Kulkarni, B. S., 1022
D. S., 1016
G. B., 958
G. M., 1019
H. S., 1017
S. M., 1018
V. H., 957
Kulshreshtha, P. N., 229
Kumar, A., 989
B. R., 1001
D. A., 976, 982
Kumar, H. L., 974
K., 928
K., Nagpur, 1016
P., 1018
R. K., 980
S., 973
Kumria, R. L., 971
Kunal, P. V., 979
Kunchithapatham, N , 1053
Kunhiraman, C., 1045
Kunwar, K. B , 988
Kuperman, I. B. Z., 909
Kuppuswamy, B., 999
Kupsch, W. O., 690
Kurankyi-Taylor, E , 1090
Kuriyan, G., 997
Kurth, E. E , 812
Kurti, N., 350, 359
Kuseishy, A. W., 934
Kushlick, I., 910
Kushnarov, H., 697
Kuttner, B., 27
Kutty, Mrs. E. K., 1000
Kutumbiah, P., 1004
Kwan, S. Y., 1080
Kwong, C. T., 1083
Kydd, J A., 218
Kyle, D. W , 1234
T. I , 483
W. M., 789
Kyles, J., 487
W. B., 509
Kynch, G. J., 27

Laanti, E. A. L., 446
Laari, W. J., 712
Labarre, J , 645, 649
Laberge, P. A., 593
Labhaya, R., 978
Labowsky, L., 372
Labrecque, P., 590
Labréfue, A., 597
La Brie, F E., 707, 726
Labrie, J. A., 591
La Brooy, W. J. F., 1055
Labrosse, E , 668
Labuschagne, F. J., 892
Labuschange, C. J. J., 863
Laby, J. E., 775
Lacerte, J., 598
Mrs. J., 594, 595, 596
Lacey, A., 734
M. S., 198
W. K., 101
W. S., 420
Lachance, T.R.P., L., 646
R. O., 591
Lachmann, L. M., 908
Lack, D., 352, 385, 409
V. J. F., 265
Lacombe, M., 647
Lacourcière, L., 591, 592, 593, 600
Lacroix, G., 597
Lacy, E. D., 26
R. C., 1030
Ladborough, R. W., 65, 79
Ladd, C. A., 360
Laddha, G. S., 998
Ladell, W. S. S., 236
Ladner, D., 575
L. J., 571
Lafeuille, G., 587
Laffan, R. G. D., 66, 80
Laffer, K. M., 797, 800
Lafitte, P., 776
Lafleur, V. C., 239
Lafontaine, A , 651
Rev. P. H., 664, 666
Laframboise, Very Rev. J. C., 661
Lafrenière, T. J., 598
Lagarde, I., 647
Lagesse, J. R., 1106
Lagouros, A., 908
la Grange, A. J., 881
L. J. D., 880
Lahey, F. N., 784, 788
Lahiri, K. M., 1031
Laidlaw, A., 685
A. T., 726
G. N., 705
S. I. A., 511
W. A., 221
Laight, J. C., 908
Laing, A., 126
B. M., 409
D., 1079
D., B.Sc., 474
E. V , 471
J , 915
J A., 52
Laird, A. M., 517
A. P , 511
D G., 565
H. C., 673
H. P., 264
J , 409
M , 845
R. C , 716
S , 622
Laithwaite, A. B., 573
Lajeunesse, Rev. E. J., 705
Lakdawala, D. T., 955
Lake, H. J , 29
L. H , 114
M. E., 799
N. C., 257
P., 95
Lakhani, M. P., 974
T. V , 973
Laking, L., 625
Lakkapparai, B., 1003
Lakshminarayana, T., 1003
Lakshmanamurty, M., 941
Lakshmanan, M., 999
S., 949
Lakshmanaswami, V., 947
Lakshminarasimhan, S., 998
Lakshminarasimhiya, M., 1010
Lakshminarayana, C. N., 1051
Lakshminarayanan, V., 1037
Lal, A. B., 938
B., 989
B. M., 982
D., 1015
D. N., 972
D. N., Patna, 1029

Lal, K., 52
K., Delhi, 972
K., Lucknow, 993
K. C., 992
K. S , 1018
K. S., Patna, 1031
M., 972
M. B., 992
M. S., 991
N., 978, 980
N. R., 1026
R., 991
S., 979
S , Madras, 1003
S. M., 1023
Laliberté, L., 594
M , 593, 600
M. P., 595
Lalitha Lingiah, S., 1011
Lalkow, D., 666
Lall, Mrs., 1071
Mrs. D. M., 107
S , 971
Lalonde, H., 649
R., 661
Lamarre, P. H., 593
Lamb, A. B , 554
A. S., 622
J., 200
N. J., 148
W. L., 492
Lambden, J. M., 723
Lambek, Mrs. H., 699
J , 606, 607
Lambert, B , 363
H. M., 229
J. C., 310
J. D., 345, 367
J. M., 249
K. S., 1093
V. F., 320, 325
Lamberton, A. H., 398
J. A., 771
Lambertson, C. L., 579, 588
Lamberty, N. A , 491
Lambie, C. G., 802
J. H., 324
Lambrick, H. T., 365
Lambton, A. K. S., 231
Lamchen, M., 861
Lamerton, L. F., 303
Laming, F. M., 336
Lammie, G. A., 34
Lamont, H. G., 535
H. R. L., 517
Sir N., 1105
Lamontagne, M., 595
Lamothe, G., 593
Lamoureux, Rev. R., 661, 668, 669
Lampard, D. M., 24, 35
Lampard-Vachell, B. G., 440
Lampe, Rev. G. W. H., 356, 367
Lamphee, A. D., 760
Lamprecht, D. C., 887
Lamrock, J. J. C., 802
Lamy, R., 488
La Nause, J. A., 772, 808
Lancaster, H. M., 54
Land, C. E. L., 337
Landau, M. E., 273
Landells, G., 138
Lander, C. H., 331
F. P L., 272
Landers, W. M., 208
Landgrebe, F. W., 475
Landon, F., 735, 736
P. A., 353, 367
Landor, C. H., 205
Landreau, G., 650
Landrigan, Rev. L. W., 682
Landrum, M. K., 993
Landry, Rev Z., 686, 687
Landry-Labelle, Mrs. H., 666
Landsberg, P. T., 472
Lane, E. V., 1235
G. R., 457
R E., 317, 318
S. H., 722
Lanfranco, A., 1087
Lang, D. M., 82, 231
E. D , 201
H. W., 626
J., 833
J. G , 55
R , 864
R. J., 552
W. A , 558
Langan, I. W , 326
Langdon, E M., 184
R. F. N., 787
Lange, M. de, 884
Langer, G , 873
Langerman, S. M., 862
Langewar, M. M., 1016
Langford, A. N., 563
G. B., 705
R. R., 710
Langford-Jones, W., 326
Langhorne, T. B., 517
Langlais, A., 597
Langley, E. F., 805
F. A., 318, 319
G. J., 690
M., 198
P. D., 776
S. J., 398
Langlois, A., 602
A., Ottawa, 664
C., 648
M., 598, 665
R., 597
Langridge, J., 24
Langstroth, G. O., 562
Lanner, J., 426
Lannon, J., 918
Lansdell, H. C., 608
Lansdown, A. V., 871
Lantier, A. A., 651
J. P., 648
Lapierre, E., 650
G., 647, 648
Br. L., 686
Lapira, E., 1087
Laplaine, H., 666
Lapointe, D., 598
H., 602
J., 593
P. C., 594
Lapsley, G. T., 95
Lara, M. V. de, 41, 148
Larchet, J. F., 1246
L'Archevêque, A., 649
P., 592
Lardner, G. J. W., 1237
Large, D , 1236
D. K., 799
K. D. M., 575
Larivière, H., 608
P., 648
Larkham, C. W., 567
Larkin, D. M., 1254
P., 1253
P. A., 453
P A., D.Phil., 574
Rev. W. P., 1250
Larkins, H. M., 809
Larochelle, E., 594
J. L., 597
L. N., 598
La Rocque, A., 662
Larose, A. F., 649
P , 666
R., 649
Larrue, S., 126
Larsen, T , 569
Larson, A. G., 632
V. C , 554
Larter, J. E. I , 1097
Larue, A., 594, 595
G. H., 598
L., 598
Larwill, J. A., 770
Larwood, H. J. C., 147
Lasbrey, M. O., 185
Lascelles, M. M., 347, 372
Lash, H. N., 606
S. D., 672
Laskey, D. F. C., 563
Laskin, B., 707
Laslett, T. P. R., 82
Lasnitski, A., 32
Lasserre, F., 566
Lassock, E. D., 776
Last, H. M., 358
Laszlo, F., 773
Latchmore, A. J. C., 135
Lateef, A., 813
Lategan, F. V., 876, 877
Latham, A. M., 325
A. M. C., 192
J. V., 803
K. G., 334
L. R., 446
M. H., 504
P. M. S., 307
R., 203
R. C., 225
Latif, A., 1064
A., M.Sc., 1064
H. A., 934
S. A., 1001
Latner, A. L., 115
Latrémouille, Rev. R., 663
Latter, J. C., 139, 141
Lattimer, J. E., 622
Laubscher, C. L., 886
F. X., 903
P. J., 873

Lauchland, L. S., 711
Lauder, I., 788
I. M , 507
Lauf, G. B , 911
Laugesen, S. H., 111
Laughland, J., 723
Laughton, E., 398
N , 30
R. A. L., 760
Launay, J. E. L., 608
Laurence, G. B , 872
M., 580
Laurenson, E. A G , 373
Laurent, E , 596
Laurie, K C., 578
Laurin, E. M., 616
Lauterpacht, H , 72, 84
Lauwerys, J. A., 184
Lauzon, M., 592
Rev. R., 686
Lavarack, J. O , 770
Lavender, J G , 221
Laver, J., 447
Laverdière, J. W , 593, 600
Lavergne, N., 599
Laverty, Rev. A M., 671
Lavery, Rev. C J , 721
F J , 1247
J H , 788
M. B , 536
Rev R., 686
Lavigne, Rev R., 662, 663, 669
Lavik, Rev. J. R , 694
Laviolette, F , 622
Lavoie, J., 599
Lavrin, J., 337
Law, B. B., 475
C. H , 514
D , 666
E., 24, 25
F. W , 259, 292
K. A O., 237, 784
M., 863
M , M.Sc., 1251
W., 667
W. A., 265
W. B , 665
Lawande, G. N., 958
Lawes, F. A. E., 803
Lawler, S. D., 240
Lawley, D. H., 496
D. N., 486
L., 111
P. D., 334
Lawlor, J. J., 347, 359, 367, 455
Lawn, A. M., 228
Lawrance, D. M., 306
Lawrence, A. L., 104, 122
A. S. C., 398, 409
A. W., 63, 78, 91
G. O., 760
K., 143, 420
P. J., 835
R. C., 131
R. D., 261
W. J., 799
Lawrie, N. R., 73
R. S., 259
Laws, C. R., 840
Lawson, A., 272
D. D., 507
F. H., 41, 247, 353, 359
H. P., 321
I. E., 104
J., 446
J. D., 312
J. H. W., 508
J. W., 633, 637
M A., 104
M B. M., 568
Hon. R., 588, 661
R. W., 400
S. A., 713
T. V , 48
W., 267
Lawton, F E., 156
H. W., 399
Rev. J. S., 82
R , 147
Laxamikantiah, G., 1025
Laxton, F. C , 333
Laybourn, J E , 139
Laycock, Mrs B. E , 192
S. R., 690
Layton, C H , 726
J M , 25
Lazarus, J., 536
S , 509
Lazenby, A , 418
Lazerte, M. E , 550
Lea, K. M., 347, 371
Leach, A A , 538
E. H., 351, 362
E. R., 215
R., 71
Mrs. S. W , 1091
W., 631
W. B , 665
Lead, H. D , 605
Leaf, G , 506
Leah, A S , 137
Leahy, D M., 310
P., 1245
W G , 616
Leakey, F. W., 399
Leanage, D. J. T , 1057
Leander, A , 111
Leaper, P. M , 776
Lear, E., 643
Leard, A. D., 653
Learmonth, A. T. A., 147
Sir J. R., 157, 301, 491, 493
Leask, D. M., 496
Leather, J. B., 33
Leathlean, S. W. B., 152
Leavens, D. H., 721
Leavis, F. R., 65, 76
Lebel, H., 648
M., 592, 593, 602
M. W., 664
P., 595, 596
Le Bel, W., 661
Lebensold, D. F., 609
Le Blanc, A., 687
L., 687
Leblond, C. P., 603
S., 598
Leblond, W., 595
Lebon, J H G , 1060
Le Breton, Mrs. E. D., 192
E. G , 789
Lechevalier, J , 593
Leck, J H , 152
Leckie, H. K , 722
Leclerc, C. E , 596
L P , 599
Leclézio, R , 1106
Lecointe, P , 651
Lecours, J A , 666
Le Couteur, K J , 149
L'Ecuyer, P , 591
Leddy, J F , 689
Lederman, J M., 636
W. R., 580, 695
Ledermann, R. S., 319
W , 314
Ledgar, F W , 309
Ledingham, G F , 693
U C , 272
Ledit, J , 599
R P. J , 646
Leduc, A , 649
C , 661
J., 647
Lee, A , 331
A G , 63, 82
B , 654
C , 75
C. H., 545
D , 131
D , M A , 184
E , 1253
E H., 77
E S., 289
E W , 336
F , 75
H D. P., 76
H L , 1079
H. N., 1102
J , 110
J D , 672
J J., 610
M. M. C , 1078
R. H. S., 1078
Rev R. S , 374
R W., 353, 357
S K , 1080
W. L., 71
Leeb-du-Toit, P. G , 869
Leech, C., 42, 102, 104
H. J., 458
H. R., 222
J. G. C., 201
J. W., 222
T. D. J., 840
Leeman, E. R., 873
Leeming, E. L., 309
M., 573
Leeper, G. W., 777
Lees, C. F., 506
D. H., 403
D. W., 773
F. N., 311
H., 469, 1105
J. M., 134
J. M., M.D., 557
J. P., 337

Lees, M. E , 424
R., 321
T. S., 1083
Sir W. C., 308
Lefaivre, J , 663
Lefebure, Sr. D., 650
Lefébure, Y., 1106
Lefebvre, C , 555
E., 664
L , 664
O , 663
Le Fèvre, R J W , 797
Lefort, B., 663
Le Franc, P , 65
Leftwich, Mrs. B., 863
Legault, Rev R , 661, 664
Legendre, J. H , 648
Leger, Hon A J , 686
Léger, Mgr P. E , 645
Legg, L. G. W., 364
R. J., 429
Leggatt, A G , 723
Legge, B. J , 309
B. P., 225
C D , 325, 326
J D., 817
M D , 484
Leggett, D. M A , 209
L. J , 163
le Grange, S , 877
Legros, R P., 192
Le Grow, W. R , 724
Lehane, D., 155
Lehmann, A G , 312
A. J. V., 702
F R , 893
H , 615
Rev H , 739
Leich, D N , 1095
Leigh, Rev. C., 998
R. A , 484
Leighton, H. B , 397
Leimanis, E , 572
Leisegang, E. C., 869
Leishman, A W D , 403
J B , 347, 367
Leisi, E., 66
Leitão, R. A A., 210
Leitch, D., 432
D B., 556
E. D., 518
L. G , 490
Leith, E. I., 633
Lejeune, R. R , 635
Lelièvre, F. J., 192
Lemaître, H., 593
Le May, H., 909
Lemay, L., 645, 649
Lemberger, J., 534
Lemelin, R., 599
Le Messurier, D. H., 759
Le Mesurier, A. B., 716
C. S., 611
Lemieux, A., 593
E., 600, 602
E. A., 609
J. M., 597, 599
R., 598
Rev. R., 661, 663
R. W., 695
Lendon, A. H., 760
G. A., 759
Lendrum, A. C., 526
Leng, J. E., 525
Lengyel, S J., 772
Lenihan, J. M. A., 514
Lennard, M. B., 58
R V , 351, 368
Lennard-Jones, Sir J. E., 63, 76
Lennie, R. A., 510
Lennon, T E , 154
Lennox, Mrs. L. M., 710
Rev R , 620
Lennox-Short, A , 1100
Lenour, N. M., 608
Lenox-Conyngham, Sir G P , 83
Leo, U , 707
Leon, P , 452
Leonard, A. G. G , 1245
W G , 671, 672
Leong, P. C , 1082
Leonhardt R., 66
Leopold, J G., 436
K , 789, 791
Léopold, Br , 596
Le Pan, A D , 701
Le Patourel, J , 127
Lepper, F. A , 348, 360
Lequet, A E A , 240
Lermer, A , 698
Lerner, J D., 1090
N. H., 1090
le Roux, D. B , 911
J C , 872
J. M., 901
J. S , 885
L. J., 880
Leroux, F. C., 565
LeRoy, D. J., 702
Lesage, Rev G., 664, 668
J., 590
Leser, C. E. V., 507
Lesieur, R., 646
Leske, C., 761
Leslie, Rev. C. W., 708, 721, 733
D. A., 526
F. M., 137
P. H., 352
R., 868
W., 582
Lessard, Rev. J., 666
R., 598, 599
Lesslie, M. S., 191
Lester, M., 774
R. M., 545
Lestrade, G. P., 860
Lesur, E., 1106
Letarte, F., 598
M., 593, 594
Letendre, G., 594
Letourneau, P., 594
Létourneau, A., 651
O., 594
R., 597
Letters, F. J. H., 810
Leung, K. W., 1079
Levack, D. P., 476
Levens, R. G. C., 348, 363
Leventhal, A. J., 1235, 1236, 1241
Leverhulme, Visct., 163
Leveson, I., 150
Lévesque, G. H., 595, 600
Levett, M. J., 505
Levi, H. T , 163
Levick, C B., 278
Levien, B. J., 816
Levine, I., 442
S., 610
Levy, G. E., 547
H., 201
J. F , 198
R., 74
Lewin, B., 914
C. T., 503
J., 908
R., 144
Lewis, A., 42
A. C., 28, 42
A. C., Canada, 720, 726
A J., 291, 294
A. S., 837
B., 232
B , B.Sc., 336
B. B., 770, 782
Mrs B. E., 29
C., 706
C. A., 442
C. S., 362
C W. D., 436
D , 306
D G , 431
D. G., B.Sc., 761
D. H., 418
D S., 612, 615
E. F., 227
E. R , 428
F. E., 1245
F. I., 716
F. J. W., 51
G , 1004
G. I , 433
G. L., 355
G. M., 506
H., 432
H. C , 569
H. D., 412, 421, 422
Mrs. H. D., 421
H. E., 243
J., 418
J. A., 737
J. B. S., 218
Rev. J. D. V., 411, 412
J. E., 415
J. J , 336
J. T., 535
K. G., 810
L. D., 425
L. J., 1091
M. B., 230
M. M., 46, 55
M. M., Ph.D., 337
N. B., 399
P. R., 322
R. A., 421
Mrs. S., 569
Rev. T. A., 463

Lewis, T. E., 72, 84
T. J., 221
T. L. T., 259
W. A., 310
W. E., 157
W. J., 416
W. V., 66, 84
Lewis-Faning, E , 435
Lewitt, E. H , 200
Lewitter, L R., 69
Lewy, C., 149
E., 146
Leyland, N H , 359
Leyman, R. E., 911
Leys, Rev. K. K. M., 368
M. D. R., 373
W. C. S., 839
Leyser, K. J , 363
Leyshon, W. A., 273
Leyton, L., 347
L'Hermit, F., 102
Li, C. C., 712
F. K., 1079
Liang, C. C., 1080
Lichnerourcz, Prof., 143
Liddell, D., 895
E. G. T., 351, 363
J. J , 777
L. E., 109
M F , 1234, 1236
Liddelow, K P., 261
Liddle, D. C., 317, 320
Liddy, R. B., 737
Lidstone, A. G , 306
Liebeck, H., 862
Liebenberg, C. R., 903
Liebeschütz, H., 148
Liebetegger, A., 459
Lienhardt, R. G , 355
Liepmann, K., 45
Liggins, E , 810
Light, A. C , 839
Lightbody, C. W., 690
E. U., 460
W. P. H., 156
Lightfoot, Rev. R. H., 364, 389
Lighthill, M. J., 84, 314
Lighton, E., 908
Lightwood, R. C , 281, 291
Lilburn, D. G., 844
Lilge, E. O , 554
Lilley, E. M., 812
Lillian, Rev Mother, 1001
Lillie, A. R., 840
Lim, Sir H. H., 1082
K. A., 1083
T. B., 1082
Limaye, S. K., 1018
Limentani, U., 67
Limerick, K., 914
Lincoln, Bishop of, 361
R., 1106
Lind, E. M., 309, 329
R., 108
Lindahl, J. W. S., 265
M. S., 459
Lindeburgh, M., 617, 620
Linder, G. C., 865
Lindhard, J., 27
Lindley, D. V., 67
Lindon, L. C. E., 760
Lindop, N., 221
Lindsay, Lord, xxx, 374, 389, 455
Mrs , 499
E. M , 532
G C , 676
J. M., 471
Mrs J. O , 66, 85
M. F. M., 445
S. T., 490
W. S., 691
Lindsey, A. J., 306
Line, J , 70, 77
Rev. J., 733
W., 709
Linehan, P A., 534
Linell, E. A , 715
Linfoot, E. H , 61
Ling, A. G , 245
C. P., 1080
E. R., 338
T. M., 162
Lingam, T. A , 1026
Lingamurty, G , 941
Linlithgow, Marquess of, 481
Linn, I J., 442
Linnell, G. M., 1026
W H., 235
Linnett, J. W., 342, 346, 366
Linning, D. L., 517
W A., 25
Linskill, J , 147
Linstead, G. P., 400
R P., 199
Linteau, A., 593
Linton, D. L , 399
E. P., 546
W. E., 828
Lion-Cachet, J., 886
Lions, F., 797
Lipman, C., 1234
Lippay, F., 759
Lippman, A. E., 1099
Lippold, O. C. J., 243
Lipsham, E. F., 760
Lipson, H. S., 324
S. L., 568
Lipstein, K., 72
Lisburne, Earl of, 415
Lishman, T , 227
W., 104
Lismer, A., 606
Lissimore, N., 133
Lissmann, H. W., 70
Lister, A., 265, 292
M. W., 703
R. G., 840
U. M., 154
W., 109
Liston, W. A., 481, 490, 492
Litting, C. N. W., 311
Little, A. C., 1235
A. C. W., 496
A. T., 735
E., 493
E. D., 571
G. A., 636
G. B., 1054
Little, G. E., 895
G. M., 554
H. S., 738
I. M. D., 357, 364
J. de V., 909
K. L , 215
L. T. F., 440
M. E., 309
P. A., 431
V. I , 193
Littlechild, J. E , 401
Littlefield, T. A., 111
Littlejohn, E. S., 307
J., 482
Littlewood, D. E., 422
J. E., 83
Livera, E. J., 1054
Liversage, V., 535
Livesey, Rev. H , 460
Livesley, R. K., 311, 314
Livingstone, A S., 776
D., 871
D. S , 910
E A , 109
H. K., 517
J. L., 261
M , 506
T. C., 504
Llewellyn, E. C , 426
F J , 839
J. M., 756
Llewelyn, D. R., 424
Llewelyn-Jones, Prof., 41
Lloyd, A , 334
A. C , 523
A. H., 347
A. K., 109
B , 518
B. B., 363
D., 241
D. H., 131
D. M G., 521
E A., 574
E. H., 201
H., 401
H. K. M., 334
H. N., 31
J. H., 413
J. R., 394
K. N., 437
L., 130
L. J., 440
O. C., 50
Mrs. V., 442
V. E., 259
W. E., 289
W. E., B.A., 512
W. J., 33
Lloyd-Dodd, F. T., 21, 531
Lloyd-Evans, B. J., 239
Lloyd-Jones, P. H. J., 78
Lloyd-Prichard, M. F., 313
Lloyd-Williams, K. G., 272
Llubera, I. G., 534
Loach, J. V., 123
Loader, F. M., 457
Lobel, E., 350, 366
Lobo, P., 1014
Lock, H. G., 55
Locke, E. E., 896

Locke, G. B., 319
M. A., 230
Lockhart, R., 633
R. D., 469
Lockie, J. H., 482
Lockquell, C., 592
Lockspeiser, Sir B., 331
Lockwood, J. F., 168, 238
G. I. G., 835
W. B., 26
Lockyer, C. E. W., 80
Lodewyckx, K. A , 780
Lodge, H., 643
R. C., 680
S. M., 151
Lods, E. A., 618
Loedolff, G. F., 900
Loewe, F., 775
R., 127
Loewenson, L., 188
Loewenthal, J., 804
L. S., 804
Lofthouse, C. T , 391
Logan, A , 491, 493
D. W., xxviii, 164
E , 617
H. A , 709
H. T., 567
J. F., 672
R. F L , 318
R. M., 522
W. R., 494
Logie, H. J , 910
J., 834
N. J., 475
Lohi, M N , 1018
Loke, K. T., 1078
Lomas, P. K., 908
W. M. A., 104
Lomax, K. S., 311
Lombaard, B. V., 881
Lombard, G. L., 882
R., 903
W. A., 884
Lomer, Mr., 41
Lominski, I. R. W., 509
Londhey, D. G., 1019
Londonderry, Marquess of, 100, 541
Long, A. G., 845
B. F., 643
C., 469
F. A., 129, 140
G., 870
H. D., 659
I. L. M., 184
J. A., 720
J. J., 116, 117
L. H., 440
M. H., 551
M. K., 909
R., 24
W. H., 131
W. M. D., 708
Longley, R. S., 546, 547
Longmore, L., 908
Longmuir, I. S., 64
Longuet-Higgins, H. C., 310
Longworth, J., 554
Lonsdale, K., 238, 248
Looker, A. J., 607
E. E., 499
Loomba, A. L., 991, 992
R. M., 991
Loor, B. de, 881
Mrs. H. de, 880
Loosemore, R. J., 625
Lopis, S., 912
Lorand, L., 124
Loranger, Hon. L., 647
Lorber, J., 402
Lord, G. R., 712
R. D., 518
R. F., 251
T. V., 674
Lorentz, G. G., 707
Lorimer, W. L., 521
Lorrain, L. P. H., 651
Lorriman, F. R., 702
Lortie, L., 596
L., D Sc , 645
Lortsch, A. D., 111
Lothe, A. N., 1016
Lothian, A. J. D., 484
G. F., 442
J. M , 471
Loubser, C. J. N., 885
J. W., 877
Loudfoot, J. H., 631
Loudon, J. D., 503
T. R., 710, 711
Lough, J., 65, 85
K. J., 54
Lougher, E. P., 1108
Loughman, O. T. D., 1252
Loughridge, J. S., 536
Louis, F., 273
Loukes, H., 346
Loupekine, I. S., 46
Lourié, Mrs. M., 570
Louth, J. P., 271
Loutit, J. S., 756
Louw, A., 866
E. R., 914
G., 880
G. J., 903
J., 877
J G., 884
J. P., 881
L. J., 903
M. H. H., 880
N. P. v. W., 875
S. A., 880
T. H., 879
W. E. G., 896, 898
Love, C. C., 704
D. V., 704
E. R., 774
F. I. P., 104
H. M., 534
M., 104
R. J., 658
W. H., 799
Loveday, A., 373
Lovel, R. W., 116
Lovell, A. C. B., 315
R., 227
S. H., 804
W. E., 692
Lovell-Smith, C. S., 836
Lovelock, W., 307
Lovett, N. H., 325
Low, A., 469
D. M., 208
D. M., M.B., 714
H. B., 850
R. A., 672
R. M., 605
W. A., 283
Lowdon, A. G. R., 492
Lowe, A. M , 240
Hon. Sir C. J., 770
C. R., 33
C. v. R., 907
C. W., 631
G. B., 804
J , 534
Very Rev. J., xxviii, 344, 359
M., 451
T. E., 784
Lowell, V. C., 723
Lowenstein, L., 612
O., 508
Lowenthal, H. O., 75
Lower, A. R. M., 673
H. S. F., 761
W. L., 453
Löwig, H. F. J., 813
Lowndes, J., 283
Lowry, C. G., 531
G. C., 198
H. C., 536
H. V., 307
Loxton, S. D., 31
Loyd, P. C., 1093
Loyn, H. R., 427
Lozano, L , 663
Lubatti, O. F., 203
Lubbe, E. H., 901
W. J. G., 880
Lubbock, R., 71, 80
Lubetsky, I. K , 584
Luc, R. F., 650
Lucas, A., 1058
C. C., 713
C. L. T , 272
D. W., 63, 78
F. B., 787
F. L., 65, 78
G. H. W., 715
G. R., 391
H. H., 446
P. G., 314
R. B., 270
W. I., 459
Luce, Rev. A. A., 1234
J. V., 1234
Lucey, Rev. C., 1243
Luchins, A. S., 608
Luck, J. M., 41
Lückhoff, J., 864
Luckwill, L. C., 54
Ludekens, W. L. W., 1054
Ludemann, D., 776
Ludford, R. J., 236
Ludlam, A. E., 307
Ludowyk, E. F. C., 1055, 1059
Ludwig, R. A., 619
Lugg, J. W. H., 1082

Lugsdin, G., 675
Luke, D , 535
F. D , 312
J. C , 615
Lumb, S. F , 790
Lumsden, A , 130
C. B., 547
C. E , 475
R B , 493
Lunan, N M., 104, 122
Lund, L., 127
Luney, F. W., 738
Lunt, Rt Rev G. C. L., 143
R W , 239
Lups, Mrs. T , 885
Lusby, S G , 789
Lush, A , 836
G. H., 777
Lussier, E , 649
Abbé I., 646
M., 599
O , 591, 592
Luther, G. T. H , 720
Luthera, R. K., 971
Luthra, J. C , 952
Lutjeharms, W. J , 876
Luttrell, C. A , 244
Lutz, G. G., 817
Luxton, R. W., 317, 321
Lyall, A., 474
C A , 482, 498
G L , 156
L. S , 513
Lyddiard, J A., 109
Lyell, J S , 805
Lyle, A., 898
J , 958
J. G. B., 776
T K., 261, 292
Lyman, J , 606
Lynch, D. O., 676
G. R., 281
L E. M., 708
M J. G , 439
S B. R., 213
Lynn, Mrs. B H , 536
C. W., 1102
M. J., 532
Lyon, D M., 490, 492
P. C., 365
R M. M., 489, 492
T. F , 516
Lyons, F. S L., 446
J., 537
J., M.Sc , 1251
L. E., 797
M. F., 312
R. J., 808
W. H., 399
Lysaght, A. C., 437
Lythgoe, B., 63
Lytle, W. J., 404
Lyttleton, R. A., 67, 82, 85

Ma, T. S., 828
Maas, J. P., 886
Maass, O., 604
Mabbit, L. A., 496
Mabbott, J. D., 350, 366
Mabbutt, J. A., 862
Macadam, M. F. L., 102
McAdam, Mrs. L. M. H , 1097
R., 486, 495
Macafee, C. H. G., 536
McAlister, W J., 554, 556
McAllister, G. A , 571
J S. V., 535
Macallum, A B , 737, 738
McAlpine, D , 267
M'Alpine, I. M., 503
McAndrew, A., 659
R , 510
W. J , 704
McAree, G., 726
Macarthur, Sir W. P , 355
MacArthur, A. I , 635
D , 528
J., 124
McArthur, C S , 689
D N , 474
I., 913
N R , 240
Macartney, C. A., 357
F T , 794
K. L , 773, 784
W C., 509
Macaskill, J., 492
Macaulay, J M , 518
MacAulay, W C., 691
McAulay, A. L , 813
Macauley, S., 909
McBain, W J , 712
Macbeath, A., 512, 533, 541
McBeath, J. G., 323
Macbeth, A. K , 756
A. M , 756
R. G , 354
MacBeth, T A., 653
McBriar, A. M , 774
L. R. C , 777
McBriarty, W. J , 596
McBride, J , 537
J. M W., 537
P. P , 1246
McBroom, J. G , 675
M'Broom, H L , 517
McBryan, F., 1253
McBryde, W A. E., 702
McBurney, C. B. M., 79
MacCabe, A. F , 489
McCaig, C., 149
McCall, J. R., 513
M'Call, D. M., 524
McCalla, A. G., 553
McCallien, W. J., 1090
McCallion, D. J., 546
W. J., 626
MacCallum, D. M., 798, 800
H. R., 730
P , 778, 779
McCallum, E. D., 109
F. J., 507
K. J., 689
R. B., 365
R. I., 114
MacCalman, D. R., 134
McCance, Sir A., 516
C. M., 507
R. A., 72, 83
W., 390
McCandless, A. E., 163
McCandlish, D , 137, 143
McCann, E K., 572
J. A , 698
J. S , 536
McCart, H. W. D., 714
McCarter, J A , 581
MacCarthy, E. M , 1235
Rev. F L., 358
P. A D , 128
McCarthy, A. A , 1243
B G., 1250
C J , 1254
D F., 756, 759
D. F , M B , 1251
Rev J , 1243
J P , 789
K , 152
M K , 1242
M'Carthy, Sir L , 1090
McCaskill, L. W , 847
M , 835
McCasland, G. E , 703
McCaughan, D V , 536
R E. M , 146
McCaw, I. H , 535
MacCharles, M. R., 637
McCheyne, J R M , 107
MacCionnaith, E., 1254
McClary, R E , 554
McClean, D , 302
R. J , 196
McClelland, J. C., 730
M'Clelland, I L., 507
MacClement, W D., 625
McClenaghan, T., 538
McCluskie, J. A. W., 511
Maccoll, A , 238
McCombe, Mrs B B , 163
McCombie, C. W., 472
H., 78
McConachie, J. D., 723
McConaghy, S , 535
MacConail, M. A., 1250
McConchie, L. J., 780, 784
McConkey, O. M , 723
McConnell, A. A , 1238
Rev. J., 1243
Mme J. M , 673
W. S , 258
M'Connell, A. J , 1234, 1236
McCorkell, Very Rev. E. J., 704
McCorkindale, J., 698
MacCormack, Rev. D., 684, 685
MacCormick, J. M , 502
McCormick, C., 798
C. A., 313
E. H., 840
E. M., 373
G. C., 547
V. O., 1237
McCoubrey, J. C., 532
McCourt, E. A., 690
G. H., 537
I., 102
McCoy, H. A., 760
H. R., 831
McCracken, D. J., 28

McCracken, G., 675
G. W., 736
I E., 300
J. L., 918, 1236
McCraw, B M , 724
McCrea, M R., 52
W H , 225
McCready, H W., 624
M S , 723
McCreary, C. W. R., 535
J R , 844
McCredie, H. A , 803
H G , 796
McCrie, J G , 402, 406
McCrirrick, V. N. R., 130
MacCrone, I. D., 910
McCuaig, C. H., 676
McCubbin, J. W., 563
McCullagh, G. P , 73, 81
P. F , 605
S K , 138
McCulloch, A. F., 873
J F , 802
W. P., 503
McCullough, D. L , 556
W S , 708
McCunn, J , 227
McCurdy, B J , 828
J R , 719
W J , 708
McCutcheon, J., 616
J. E., 719
MacDermot, P. N , 614
McDermott, E N , 1254
L. A , 722
M , 1245
Mrs N , 338
Rev. R. P., 105
McDiarmid, M. P., 471
Macdonald, A , 473
A., B Sc , 518
A., M D., 152
A., Ph.D., 110
A. D , 319, 321
A D , Canada, 584
A. E , 632, 637
C., 828
C. R., 60
E., 573
E A., 721
F. M. E., 373
G , 671
G., M.D., 300
I., 347, 366
I. I., 70, 86
J., 470
J., D.Litt., 552
J., M.D., 582
J. A., 520
J. Y., 521
M., 499
M., Ph.D., 193
N., 624
P. A., 587
P. A., Ph.D., 634
R., 509
R. D., 673
R. G., 830
S., 100
S. G. G., 524
Macdonald, T. J. C., 475
W. C., 710
W. S , 131
MacDonald, A., 477
A. E., 714
A. M., 510
F E. F., 507
Rev. G. A., 682
J. A , 574
Rev. J. A., 684, 685
J. B , 716
J. J., 684
Rt. Hon. M., 1082
M D , 705
M. K., 490
Rev. R., 708
R. B., 547
R. M , 581
R. St. J., 622
S. A , 616
Hon V. C , 581
McDonald, A , 538
A A , 816
A H , 342, 798
A. L. G , 767
C G , 803
F M , 870
G G , 801
J L., 716
J R. A , 323
P., 1107
MacDonell, Rev M., 684
McDonell, J A , 775
Macdonnell, J. M , 671
M. L., 672
P M , 671, 675
McDonnell, F R. M., 532
McDonogh, C. L , 1238
MacDougall, A. J., 402
D , 722
G. D A , 346, 368, 374
J. D. B., 520
McDougall, D., 633
D. J , 706
J , 129, 139
J. L., 672, 674
Mrs K. F., 218
M. D., 525
W. A., 791
W. D., 550
McDowall, A , 791
G. D., 481
R. J. S., 210
McDowell, C. A., 145
E. M., 739
R. B., 1236
Mace, C. A., 196
Mace-David, L., 914
MacEachen, A. J., 684
MacEachern, Rev. M., 684
McEachern, A. C., 760
D., 613
J., 636
McElderry, R. K., 541
McElligott, G. L. M., 281
McElroy, L. F., 847
L. W., 553
W. A., 507
McElwain, D. W., 776, 784
MacElwee, N. M., 836
McEntegart, M. G., 152
McEown, A. C., 691
McEvedy, P. G., 320
MacEwan, J. U , 610
J. W. G., 637
McEwan, J. R., 74
M'Ewan, D H., 521
McEwen, H D , 676
P., 534
R. A., 562
S. D , 636
W. H., 633
W. J., 571
M'Ewen, E. G., 113
M. B , 210
McFadden, G. D. F., 536
MacFadyen, K. A., 28
McFadzean, A J. S , 1079
Macfarlan, B. P., 801
McFarlan, A. M , 72, 85
MacFarland, H. N., 718
McFarland, A., 144
B L., 154
Macfarlane, J. T., 699
N A , 22, 25
R. G , 354
W. V., 116, 117
W. V., Austral., 789
Macfarlane-Grieve, A. A , 104
MacFarlane, D. L., 618
H. M , 658
J. A., 713, 725
K T , 614
McFarlane, A. H., 697
D. C., 738
H M , 712
I. D , 65, 78
J W., 111
K. B., 349, 362
M. M , 571
M'Farlane, W., 506
MacFhinn, Rev. P. E., 1253
Macfie, A. L., 506
McGamity, W. J., 717
McGarrity, J., 30, 31
K. A., 802
McGaughey, G. A., 1056
McGeady, P. A., 1248
McGechan, R. O., 844
McGeorge, M., 831
McGeown, M. G., 532, 536
MacGibbon, D. A., 625
McGibbon, K. C., 637
M'Gibbon, J. P., 491
MacGill, E. I., 316
McGill, A. D., 787
D., 47
D., B.A., 698
McGilligan, P., 1247
MacGillivray, A. M., 526
J. R., 704
McGillivray, J., 496
W. A., 850
M'Gillivray, D. M., 526
MacGilvray, D., 511
McGlashan, M. L., 834
McGlynn, I., 325
P., 303
R. P., 527
McGonagle, M. P., 309

McGookin, A., 145
McGovern, V. J., 804
McGowan, G. K., 50
McGrath, F. A., 1251
J., 1247
K., 1248
P. V , 46
W. S., 804
Macgregor, A. L., 907
C. H., 75
D. R., 485
Rev. G. H. C., 503
I. A., 1083
I. H., 908
J., 61
J. J., 347
J. W., 556
W. D., 480
MacGregor, A. B , 270
A. G., 404
A. R., 489
D. C., 709
D. G., 653, 654
H. A., 550
I. H , 583
R. G. S , 1083
R. R , 676
S. A., 717
T N., 490, 492
MacGregor-Morris, J. T., 239
McGregor, A A. D , 850
A. J., 513
A. L , 914
H G., 293
J., B.Sc , 130
J., M.Ed., 138
J. K., 724
W. R., 841
McGuckin, F., 114, 117
McGuffie, T. H., 35
McGugan, A. C., 562
MacGuigan, Rev. W. J., 682
McGuigan, J. P , 583
McGuinness, A. E , 803
F. G., 636
McGuire, H. A , 720
McHardy, J. W., 488, 496
W. D., 254
McHarg, E. A., 505
Macheboeuf, D., 41
McHenry, E. W , 717, 719, 720
J. J., 1251
Machin, K. E., 864
McHugh, M. H., 1236
R. J., 1246
McHutchison, W. B., 517
McIlhagger, D. S , 537
McIlhinney, W. G., 711
McIlrath, M. B., 802
McIlreavey, F., 534
McIlroy, H. M., 568
R. J., 1093
McIlveen, M., 739
McIlwaine, H., 292
McIlwraith, A. H., 836
A. K., 147
K., 667
T. F., 701
McIndoe, A. H., 276
McInerney, M. V., 777
MacInnes, C., 653
C. M., 46
I., 570
W. A., 446
McInnes, J. S., 637
McInnis, E. W., 706
McInroy, R. A., 526
Macintosh, N. W. G., 796
R. R., 353, 365
MacIntosh, F. C., 607
J. W., 581
McIntosh, A , 484
A. F., 518
C. A., 615
D. G., 527
G. F., 810
J. F., 612
J. R., 568, 573
Mrs M., 193
M. I., 418
P C , 35
R. A., 724
R. L , 702
W., 132
W. G., 712
W. G., Malaya, 1082
M'Intosh, H., 509
Macintyre, A. J., 472
J S., 508
Mrs S , 472
MacIntyre, M. M., 571
McIntyre, A J., 777
A. K., 831
D. B., 485
H , 321
H., M S., 551
J , 405
J E., 687
K H. C., 871
R. B., 710
M'Intyre, D., 510
R. R., 558
MacIver, A. M , 459
K M., 485
McIver, L. D., 828
McIvor, R. C., 625
Mack, F. G., 583
F. M., 208
J. A., 512
McKail, J. E., 469
Mackay, A J. G., 779
C. A., 691
D. C., 579
D. F., 810
I. F. S., 120, 1099
J. D., 847
J. P. H., 523
J. R., 570, 622
Mrs. K., 224
M., 630
M. H., 470
R I., 317
R. M. I., 493
W. M., 522
MacKay, A. A., 615
D. C. G., 573
D. E. A., 554
D. M., 210
H., 647
R. W. M., 582
McKay, A. F., 680
D. F., 477
I. R., 850
J., 1247
J. W., 615
K. A., 724
K. J., 788
K. L., 1093
R. W., 708
S S., 452
W. B., 322
McKeag, H. T. A , 536
R. H , 1056
Mackechnie, J., 482
McKechnie, H M., 331
MacKeen, R. A H., 582
McKeever, J. D., 1237
MacKeith, R. C., 258
McKellar, A. D., 632
M. R , 706
T. P. H., 524
MacKenna, R. M. B., 275
R O , 107
McKenna, Rev L G., 684
M. F., 200
M'Kenna, C. B , 1237
Mackenzie, A., 113
A. M., 470
B. A., 877
C., 53
D J , 582
E. G W , 383
E. K A., 249
F., 25
G., 486
H. C. H , 45
I , 511
J B. D , 145
K R., 613
M. B., 614
W. D , 798
W. J. M., 312
MacKenzie, Mrs. A , 697
D. W., 616
H. A. E., 869
J. C , 144
M. W., 550
N. A. M., xxviii, 565, 567
N. H , 870
Rt. Rev. R. V., 682
T., 834
W. C., 556
McKenzie, A. E. E., 92, 386
A. S. V., 484
A W , 109
D. W., 844
E., 569
E. D., 776
G. S., 659
I F., 825
J., 469
J. W., 839
K. A., 810
K. G., 716
R. M., 487
McKeown, E. F., 536
M. R., 726
T., 33
McKerrow, W. S., 348
Mackeson, J. F., 47

Mackey, S., 137
W., 592
W. A., 511
W. F., 184
Mackie, J. A. C., 774
J. B., 830
J. D., 505, 680
J. L., 799
T. J., 488
W. N., 839
McKie, D., 244
E , 157
J. I., 359
McKiel, H. W., 653
Mackillop, E. D J , 460
McKinlay, D. G., 517
McKinnell, J., 871
Mackinnon, A. M., 476
C. G., 584
D. L., 212, 245
I L., 207
K. P., 805
L., 474
MacKinnon, D. M., 423, 472
Rev J Y , 739
M. H. M , 736
McKinnon, N. E., 717
Mackintosh, J. M , 32
J. M., F.R.C.P , 218, 299
J. M., M.A., 471
R H , 912
W. A , 671, 672, 674, 677
MacKinven, A. D., 505
McKisack, M , 349, 372
McKissock, W , 279
Macklin, A. H., 476
C. C , 737, 738
H. L., 711
MacKnight, J. I., 581
McKnight, E., 437
Mackworth, N. H., 82
MacLachlan, F. W., 889
J. D., 722
McLachlan, A. E. W., 52
A. T , 720
J. E , 111
N. W , 472
McLachlin, A. D., 738
H. J., 558
Maclagan, D. S , 512
M., 349, 367
N F., 289
W. G., 506
McLaggan, J. D., 273
Maclaren, K., 45
MacLaren, J. F. T , 517
McLaren, A S., 518
A. W. S., 840
E. J. R., 840
H. C., 31, 43
J. W., 284
McLarty, D. A., 735
M'Larty, M. R , 488
MacLauchlan, D. W., 653
McLauchlin, F., 635
MacLaughlin, F. A., 536
McLaughlin, C., 698
Rev. P. J. I., 1243
R., 658
R. R., 710
MacLaurin, E. C. B., 799
MacLaverty, R. A., 1254
McLay, A B., 626
Maclean, D. N., 568
H. C. S., 475
H. R., 557
N., 490
MacLean, A., 698
A., Glasgow, 516
A., Toronto, 705
C., 684
Rev. C. V., 733
D. L., 717, 718, 726
H. N., 704
H. R. C., 469
K., 704
Mrs. L. E., 698
N. C., 664
R. C., 524
McLean, A., 511
A. T., 551
C R , 612, 676
Rev. C. V., 721
E. C., 723, 724
F. G., 832
J., 518
J. D., 557
J. F., 575, 577
J. W., 848
K. D., 637
M., 739
R. C., 425
R. R , 556
S. J., 756
W , 424
W. J , 738
M'Lean, J., 516
MacLeay, K. N. G., 1108
McLeish, D. A. S., 509
G. R., 912
J., 138
MacLellan, G. D. S., 71, 80
J., 496
Rev. M., 684
R. D., 238, 246
R. N., 568
W. G., 613
McLelland, C., 801
H., 790
Maclennan, A. H., 555
R. D., 607
MacLennan, E. A. E., 578, 580
I. A., 579, 598
McLennan, E. I., 771
H. R., 510
Mrs. P., 547
Macleod, D. B., 836
F., 558
J., 474
J. W., 47, 57
M., 475
M. D., 457
MacLeod, A. C., 257
D. H., 280
D. M., 634
D. R. E., 717
E. G., 658
H. J., 568
J. W., 636
R. A., 675
MacLeod, W. E. I., 517
McLeod, D. H., 496
J. A , 634
J. M , 518
J W , 131, 140
P. A , 676
McLetchie, N. G. B., 582
McLuckie, J , 797
McLuhan, H. M., 704
McMackin, Rev. J. J., 1243
M. M., 1237
MacMahon, E. G., 804
J. S., 804
K. A., 448
S., 104
McMahon, C. W., 773
D., 487
Sir H., 205
Rev. J., 684
R. E., 616
McManners, Rev. J., 369
McManus, H., 27
R. N., 554
S. C., 534
McMechan, E. W., 536
M'Meeken, A. N., 487
McMenamin, K. J., 834
McMichael, E., 514
J., 291, 294, 740
Macmillan, Lord, 180, 191
E. W., 144
L. D., 494
R. H., 71
W. M., 522, 898
MacMillan, C. W., 612
E., 546, 547
Sir E., 718, 726
M. P., 534
R. G., 908, 913
Hon. W. J. P., 682
McMillan, A. M., 635
D., 864
G. C , 614
J. R. A., 796, 807
K., 31
S. G., 841
McMinn, S. J., 323
W., 802
McMorran, H. I., 85
McMullan, H. C., 537
McMullen, Rev. G. A., 719, 733
J. J., 840
McMurchy, K. A., 557
Macmurray, J., 486
McMurray, G., 691
T. B., 865
McMurrich, K. I., 713
Macnab, G. H., 292
Macnabb, D. G. C., 350, 365
MacNabb, A. L., 718, 724
McNabb, D. H., 331
T., 535
Macnae, W., 897
Macnaghten, Rt. Hon. Sir M. M., 60
McNair, Sir A. D., 77
A. J., 259
D., 325
G. P., 469

McNair, I. T., 1072
McNally, A G., 723, 724
G. F., 549
Most Rev. J. T., 656
P. A., 1238
W. J., 614
McNaughtan, J P. J , 475
MacNaughton, E B., 723, 724
McNaughton, E. A., 616
F. L , 613
I T , 511
McNaulty, N., 191
McNee, J W , 510
Macneil, D. B , 584
MacNeil, D J , 684
McNeil, Rev. D J. J , 703
MacNeill, A C. M , 518
B H , 702
F. E , 315
McNeill, C. K , 511
D. B , 149
D. B., Ph.D , 459
D. H , 578
J , 506
W M , 471
Macnicol, Rev. R. S , 1000
McNicol, H , 334
R W. E , 789
McNicoll, J O., 599
W., 522
MacNiven, A , 511
McNiven, K , 569
McNutt, S , 659
McOmie, J. F. W , 45
Macphail A , 511
Rev J R , 1000
MacPhee, G G , 156
McPhee, A , 164
E D , 567
Macpherson, A. G., 1097, 1098
A. M. C , 272
C B., 709
H., 529
I , 132, 133
J., 680, 708
L. B., 714
L. G., 671, 672, 674
Mrs M., 1097
R E., 79
R. K., 795
MacPherson, A. D., 556
G. B., 675
Rev. H , 685
Rev. H., Ph.D., 685
Rev. J , 708
Sir J., 1096
J. W., 725
McPherson, A. I., 607
C. R., 865
D. H., 458
F., 554
R. M., 617
MacQuarrie, B. A., 605
MacQueen, A. T., 524
D. J., 662
McQueen, G. H., 760
McQuiggin, H. G., 799
Macrae, J., 50
J. D., 169
Mother N., 806
MacRae, D. G., 218
D. M., 591
McRae, A G , 829
B., 104
C. F , 653
D L , 615
J A , 672
J R Y., 736
M. D., 813
R F , 708
MacRitchie, F., 474
MacRobert, T. M., 505
McRostie, G P , 723
McSherry, B J., 724
McSpadden, G. F., 574
MacSweeney, J J., 1245
McSweeney, C J., 1238
D T , 1251
McVittie, G C , 222
McWee, D , 517
McWeeny, R , 108
McWhirter, R , 491
Madden, A. F , 348
C B , 760
Madders, M. A , 35
Maddick, H W., 369
Maddison, A., 698
A E., 251
Maddock, A G., 62
Maddocks, W R., 402, 407
Maddox, H., 776
J. R , 315
Mader, V. D , 583
Madge, J , 45
M A P , 224
P E , 761
Madgin, W. M., 108
Madgwick, R B , xxx, 810
Madhava, B. N., 1029
Madhava Rao, B. S., 1009
Madhavan Nair, A. P., 998
Madhekar, R. B., 1025
Madill, H H., 712, 726
Madras, Gov. of, 947, 997
S., 604, 697
Madura, S., 1017
Maegraith, B. G., 156
Magarey, F. R., 436
Magee, B., 45
C. C., 426
G. R., 736
M., 441
R. J., 482
Magill, C. P., 209, 248
E. S., 632
Magnan, A., 648
Magner, D., 665
W., 715
Magnus, H. A., 262
Magrath, C. R. R., 1235
Maguinness, W. S., 208
Maguire, M. E., 632
O. D., 338, 339
P. I., 446
Mahadera, K., 1056
Mahadevan, C., 942
K., 1052
P., 1001
T. M. P., 997
Mahajan, C. V., 928
Mahajan, M. C., 982
V. T., 1019
Mahajani, G S., xxix, 1036
Mahalaha, H. L., 1016
Mahalingam, T. V., 997
Mahalingham, V A , 999
Mahanti, P C., 963
Mahanty, G B , 1047
J., 1048
Mahdi, S H , 973
Mahendra, B. P., 1022
Maher, F. K H , 778
Maheshwar, P , 971
Maheux, A., 590, 593, 596
G., 592, 600
Mahishi, K R , 956
Mahler, K , 314
Mahmood, A. N. M , 1064
K., 1065
Mahne, L J , 878
Mahon, T. P , 1079
Mahoney, Mgr. A. P., 739
J C , 789
R A , 567
Mahood, J. H. S , 675
M., 372
Maidment, K. J., xxx, 839
Mailer, W , 471
Maillard, D , 909
Mailloux, A , 590
R P , 646
Mailvaganam, A. W , 1055, 1059
Main, A , 113
A. W K , 530
J M , 774
O. W , 689
Maine, S F , 736
Maingot, R. H , 273
Maini, G. L., 957
Mainland, D., 578, 581
R. M., 578
W F , 399
Mainstone, P. A., 422
Mainville, M., 666
Mair, A , 476
J A., 503
L P., 215
W. A., 311
W. F , 520
Maitland, B. J., 149
C. T , 284
D. G., 803
D. W., 800
H. B., 316
P., 63
R. J., 323
Maitland-Muller, D. G., 232
Maitra, S. C., 1031
S. K., 963
Maity, H., 1029
Maizels, M., 286
Majed, A. H., 958
Majid, A. M., 1070
S. A., 1031
Major, K., 346, 373
M. P., 1014
R., 662
Majumdar, B. B., 1029
D. N., 990

Majumdar, R. C., 974, 976
S. S , 994
Makhdumi, M. A., 1072
Makhiga, M. T., 974
Makinson, D H., 318
R. E B., 799
Makower, H., 216
Maksymiuk, D , 693
Mal, B., 979
K , 978
Malach, V. W , 674
Malalasekera, G. P., 1060
M A , 1055
Malan, A P , 877, 878
B. D , 907
D. E , 882
D. F., 899
D. J., 882
G H T , 878
H. J , 885
H P , 899
J. P , 893
M E., 902
S I , 876
Malani, K P S , 952
Malaviya, B. K , 989
G., 952
Malbon, G , 442
Malcolm, D , 871
D A , 23
Sir D O , 357
J , 512
J. E , 52
J. F., 512
J. L., 281
R J. W , 804
Malcolmson, E. A., 776
P H , 556
R. D., 789
Malherbe, E. G , xxix, 869
F E , 879
F. E. J., 900
I. de V., 902
W. D , 884
W. M R , 901
Malhi, M. S , 981
Malhotra, P. C , 928
V. B., 974
Malik, A. Q , 1070
K , 973
O. H., xxix, 1069
Malins, J M. 31
Maliphant, R. G., 435
Malk. M , 913
Malkani, H. B., 952
M. B., 988
Malkhani, A. B., 928
Malkin, T., 45
Mallam, P. C., 354
Mallard, J. R., 336
Mallen, C. E., 108
Mallett, E., 305, 306
E. C., 447
M., 556
Mallick, S. M. K., 1073
Mallik, D., 1047
Mallinson, Sir P., 278
V., 391
Mallison, H. V., 442
Malloch, A. C., 618
Mallon, Rev. H. V., 704
Rev. J. P., 690
Rev. P., 693
Mallory, H. E., 572
J R , 605
Mallowan, M. E. L., 181
Malmo, R. B., 615
Malmick, B , 188
Malo, Père A., 646
R F , 667
Maloba, G., 1097
Malone, K , 162
Maloney, G. F. J., 490
P. J , 665, 667
Maloughney, Rev. W., 686, 687
Malpas, P , 154
Malpass, J. C L., 309, 326
Malpress, F. H , 532
Malta, Gov. of, 1086
Maltby, E J., 714
Malthus, C., 835
Mamet, R , 1106
Mamo, A. J., 1086
Manavala Ramanujam, S G , xxix, 947
Manché, J. A , xxx, xxxi, 1086, 1232
Manchester, F. D , 844
R C , 993
Mandelbrote, H. J , 862
Mandeville, L. C , 240
Mandl, A M., 22
Mandre, S. R , 1008
Mane, E. G , 1018
Maneely, R B , 507
Mangalik, M. A , 991
V. S , 989
Mangham, S., 457
Mangion, J J., 1087
Mangrulkar, M. Y., 1041
Manheim, S , 223
Mani, K. M., 1043
S A., 1003
Manichavelu Mudaliar, M., 949
Manickyam, T. W., 1025
Maniruzzaman, A N. M., 1065
Manistre, B. E , 148
Manjunath, B L., 1008
Mankad, L N , 955
Mankiewicz, R. H., 622
Mankodi, C L , 956
Manley, C. H., 134
D. J., 231
E. B., 34
G., 192
Mann, D. C. M., 125
F. G., 41, 62, 83
G. W., 130
H. C., 306
J., 334
Sir J., 264
J. de L., 373
J. S., 774
K. C., 573
K. H., 392
S. E., 188
T., 389
W. N., 259
Manners, Mrs. A., 111
Manners, J. G., 457
Mannheim, H., 216
Manning, C. A. W., 217
G., 837
P. A., 353
W. K., 803
Manseau, G., 645, 648
Mansfield, Rev. M.. 1078
M. G., 643
O. T., 33
R , 193
W. K , 221
W. S., 70, 77
Mansie, J. W., 258
Mansing, M., 1049
Manson, D. I., 475
J , 29
N. S., 698
Rev. T. W., 322, 327
Rev W., 483
Mantle, J. B , 693
Manton, B. G., 200
G. R., 828
I., 124
S. M., 210
Manwell, A. R., 432
Mao, W. C., 1080
Maolankar, R. B., 1018
Mapp, W , 788
Marais, G. V., 899
I., 912
J. L C., 908
J. S , 902
J. S , M.A., 909
M. D , 900
T , 886
Marantz, O , 632
Marathe, G. M., 958
Mrs K., 1018
March, Mrs. B. M., 574
Marchand, J. P., 661
P. R., 616
Marchant, E. C., 362
M. K., 144
R. B , 446
R. H , 227
S., 26
Sir S., 389
Marcia, Sr. M., 708
Marckwald, W. M., 448
Marcotte, A., 593
Rev E., 668
Rev. F. X., 661, 663
Marcoux, H., 597
Mardhekar, Mrs. H., 973
Mardiros, A. M., 552
Margaret, Sr. P., 656
Margeson, J. M. R., 546
Margoliouth, H. M., 365
Maria Benigna, Sr., 329
Mariam, Sr. C., 656
Mariappa, D., 1004
Mariappa Bhat, M., 998
Marie, Sr. I., 656
Marie-Donalda, Sr., 650
Marie-Fernande, Rev. Sr., 667
Marie-Héloïse, Sr., 650
Marie-Immaculée, Sr., 650
Marie-Noëlle, Sr., 650
Marie-Stéphane, Sr., 650

Marie-Thérèse, Sr., 705
Marier, R., 595
Marin, A., 647, 648
Marion, D., 648
S., 662
Mark, I. R., 972
Markan, D. D., 957
Markell, P. J., 803
Markham, A. F., 1031
F. M. H., 349, 361
H. H., 113
N. P., 831
Markhart, L. M., 567
Markland, E., 334
Markle, Rt. Rev. B., 664
J. W. E., 549
Markose, A. T., 992
Markowitz, J., 715
Marks, J. 73, 436
J., M.A., 312, 327
R. E., 773
Markwick, Mrs. A. T., 460
Marley, B. H., 1004
Marleyn, R., 432
Marlow, A. N., 310
Marnham, R., 279
Marples, B. J., 830
D. L., 71
M. J., 830
Marquard, Mrs. N. J., 900
Marquis, A., 599, 602
Marr, J. A. S., 860
N. G., 33
Marrable, A. W., 227
Marrack, J. R., 264
Marrian, D. H., 73
G. F., 482
Marriner, S., 146
Marriott, F. H. C., 473
H., 239, 246
H. L., 267
Marrison, G. E., 234
Marritt, I. C., 723
Marrs, R., 1232
Mars, J., 310
Marsden, A., 448
G. H., 1044
M. P. F., 227
P. L., 129
R. W., 331
T. L., 309
Marsh, A., 1235
D., 605
D. C., 434, 845
E. K., 905
Rev. F. S., 64, 82
H., 108
Rev. J., 337
J. M. K., 368
L. C., 566, 574
L. R., 261
M. C., 896
N., 834
N. S., 353, 368
R. W., 54
S., 307
Marshal, M. R., 555
Marshall, A., 758
A. C., 839
A. J., 276
Marshall, A. J., Austral., 818
A. J., M.B., 510
A. M., 583
C. E., 798
C. J., 257
C. S., 581
D., 427
D. G., 28
D. N., 959
D. W., 672
E. F. 183
E K., 24
F., 584
F. H. A., 95
J., 885
J. B., 486
J. R., 844
J. S., 607
Rev. L. H., 139
L. M., 373
M., 348, 371
M. V., 547
O. J., 711
O. R., 241, 246
P B., 32
R., 535
S. V., 802
T. H , 217
T. K., 131
W. T., 521, 529
Marson, E. A., 316
M. J., 53
Marston, A. D., 258
H. R , 762
M. E , 338
Martel, A., 597, 598
Rev. J., 666, 669
Marten, Sir H., 226
Martienssen, H., 909
Martin, A., 687
A. F., 348, 362, 364, 367, 383
A. J., 126
A. P., 624
A. R. H., 895
A. S., 521
B., 425
C., 706
C., Austral., 762
C. A., 598
C. P., 603
D., 505
D. G. E., 149
D. R., 134
E., 41
E. C., 635
E. C., Ph.D., 249
E. M. F., 624
E. S., 147
E. S., Ph.D., 307
F. C., 758
G. C., 1000
G. E., 178, 492
G. R., 101
H., 54
H. B., 451
J., 326
J. B., 579, 588
J. K., 856
J. M., 595
Martin, K., 310
K. H., 791
L. C., 147
L. C., D.Sc , 202
L. H., 775
M. A., 830
M. T., 424
N. C., 185
N. D., 805
N. H., 278
R. H., 125
S. J., 615
S. L , 1099
T. W., 778
V., 893
W., 507
W. H., 517
W. J., 148
W. J , D.Sc., 299
W. M., 1091
W. S., 873
Martin-Clarke, Mrs. D. E., 372
Martindale, U. F , 395
Martine, W R., 33
Martínez-Lorite, C., 70
Martisen, M., 663
Marty, Mme, 1079
Martyr, R. F., 338
Marvin, A. W., 518
Marwick, M. G., 872
W. H , 483
Mary, H.M. Queen, 194, 195
Masaldan, P N , 992
Mascall, Rev E. L., 356, 360
Mascarenhas, F. P., 1011
Maseńeld, G. B., 353
Masih, W. W. K., 1019
Y., 1031
Maskell, E. J., 62, 77
Maslen, H., 839
Maslen-Jones, S. W , 31
Maslow, A. P., 573
Mason, A. B., 558
A. E. W , 389
A. T., 476
B. J., 202
C. M , 311
E. C., 485
E. D., 1000
E. H., 612
F., 1082
G. A., 115
G. M. S., 46
K., 348, 361
Rev. L., 451
R. G., 202
R. P. S., 33
S. G., 604
S. M. P., 372
Massé, A., 592
L., 592, 594
Massee, A. M., 306
Massey, H. S. W., 243, 765, 769, 794, 815
I. M., 192
P. C., 836
Rt. Hon. V., 701
Y., 191
Massiah, T., 697
Massie, G., 859

Masson, A. M., 612
Sir I., xxviii, 397
P., 645, 648
Massoth, L., 719
Masterman, J. C., 369
N. C., 432
Masters, D. C., 563
M. C., 719
Masterton, G., 337
Masudi, M. M. S., 987
Matchett, D. C , 499
Mathad, F. G , 1025
Mathai, S , 926
Mathee, J. J , 883
Mather, C. M., 1079
F. C., 459
K., 26
W. B., 790
Mathers, A. T., 635, 641
Rev. J., 483
R. M., 526
Rev. S , 739
Matheson, A., 503
A. A., 523
Rev. A D., 733
D. C., 675
J. A. L., 772
J. L., 311
Mathew, A., 993
A. G., 355
C. E , 998
C. P., 1043
Mathews, S. T., 568
W. H., 614
Mathewson, F. A. L., 636
R., 440
Mathiaparanam, K., 1055, 1059
Mathias, Mrs. F. C. M., 863
S Y., 441
W. A., 426
W. T., 145
Mathieson, A. R., 334
M. C., 131
M. J., 771
R., 311
Mathieu, A., 599
Mathison, W., 610
Mathrani, G. N., 956
Mathur, A. P., 930
B. P., 928
B. S., 929
Mrs. G. D., 929
J. B. L., 988
K. B. L., 971
K. L., 928
K. P., 930
K. R., 1025
K. S., 975
L. P., 928
M. N., 974
M. V., 1038
P. K., 972
R. N., 980
S. B. L., 991
S. N., 988, 989
V. S., 975
Matsukawa, B., 230
E., 452
Matte, A., 594
Matte, L., 593, 594
Matthew, G. D., 490, 492
T. U., 25, 42
Matthews, B. C., 723
B. H. C., 69, 78
D. N., 287, 288
E., 321
E. L. J., 610
J. E., 517
J. R., 469
L. H., 48
R. C. O., 64
T., 765
T. H., 603
W. K., 188
Mattick, A. T. R , 393
Mattingly, H. B., 334
Mattoo, B. N., 972
Matty, A. J., 337
Mauchline, Rev. J., 505, 513
Maude, C., 104
Maudsley, R. H., 359
Maughan, G. B , 614
Mauldon, F. R. E., 817
J. G , 349
Maunsell, F. G., 459
Maura, Sr , 588
Sr., Ph.D., 656
Maurault, Mgr. O., xxviii, 645
Maurer, Rev. A. A., 708
K. W., 241
Maurice, G. U., 698
Mauritzen, C. M., 483
Mautner, A. J., 201
Maw, Mrs. S., 526
W. A., 619
Mawdsley, J. B., 690, 692
M. D., 565, 569
Mawson, Sir D., 758
D. G , 841
H., 162
Maxted, Mrs. B., 390
D. R., 390
E. B., 45
W. J., 723
Maxton, J. P., 353
Maxwell, C. E., 1236
C. M , 805
D., 488
E. A , 81
E. A. M., 52
I. R , 773, 782
I. S., 399
J., 484
J. C., 110, 358
W. R., 579, 588
May, A. D., 85
D., 462
D. E., 53
E. C., 550
F., 127
H. B., 265
L., 804
L. H., 761
N. D. S., 791
S., 789
T. E., 401
Maycock, A. L., 91
Mayer, C. A., 459
F., 446
Mayer, M., 834
Mayes, B. T., 803
Mayfield, G. E. T., 447
Maynard, W. A., 484
Mayne, J. E., 1102
Mayneord, W. V., 303
Mayo, B., 28
G. M. E., 761
H. B., 552
J. C., 762
Mayr-Harting, A., 51
Mayrs, E. B. C., 536
Mays, W., 314
Mazaharuddin, 1064
Mazars, G., 608
Maze, W. H., 796
Maziec, K., 665
Mazumdar, J. C. S., 1030
R. C., 952
S. K., 1047
Meacock, S. P., 34
Mead, M., 34
W. R., 163, 240
Meade, F. E., 517
H. S., 1248
J. E., 215
Meadowcroft, R., 323
Meadows, S. P., 289, 291
Meakins, J. F., 613
Meana, L., 41, 316
Meara, M. L., 146
Meares, P., 470
Mearns, A. G., 511
Medawar, P. B., 29, 36, 343
Medine, S. M., 1094
Medley, Sir J. D. G., xxix, 770
Medlicott, R. W., 831
W. N., 441
Medovy, H., 636
Meecham, Rev. H. G., 322
Meehan, Rev. D., 1243
Meek, C. K., 359
G. A., 200
H. M., 34, 41
J. M., 152
R. L., 506
T. J., 708
Meen, V. B., 705
Meenagh, Rev. P., 791
Meenakshi Sundaram, S., 942
Meenakshisundaram, T. K., 1003
Meenan, J. N., 1247
Megaw, A. K., 538
H. D., 69, 85
Meggitt, C., 445
Meggy, A. B., 138
Meguid, A. A. A., 316
Mehra, H. R., 938
H. R., M.A., 973
P. N., 978
Mehrotra, K. K., 937
M. P., 988
Mehrottra, R. M., 989
Mehta, B. M., 958
D. D., 973
G. P., 952
J. K., 937
K. C., 928
R. K., 975

Mehta, S. C., 975
S. J., 957
T. N., 978
Meier, F. A., 184
Meiggs, R., 358
Meikle, J., 549
Meikleham, M. H C., 624
Meiklejohn, A, 511
A. K. M., 496
A. P, 490
M. F M., 143, 505
Meillon, B. de, 914
Meinhard, H H., 107
Meiring, A. L., 879
J de V, 912
J G, 900
Meisel, J, 674
Mejer, E., 338
Mekie, D E. C., 1084
Meksyn, D, 201
Melamed, S., 607
Melchett, Lord, 389
Melhado, G. C, 613
Mellanby, J, 1093
K, xxx, xxxi, 1093, 1094
Mellé, B. G., 911
Melling, J, 139
Mellor, B., 1078
C D, 609
D. P., 797
G, 46
R E. H, 312
T, 146
Melsness, H. C, 550
Melson, J. W., 711
Meltzer, B E., 608
H, 557
Melville, C., 319
C. B., 779
H. W., 23, 42
K. I., 615
P. C, 344, 376
Melvin, G. S., 680
Memon, A. A., 933
Ménard, J A., 591
Menary, J. W., 532
Mence, M. J., 423
Mendel, B., 714
D. L., 613
Mendelsohn, N. S., 633
Mendelson, B Sc., 405
Mendelssohn, E, 909
K. A G, 351
Mendis, G. C., 1055, 1059
Mendoza, E. B., 47
Mene, P. S., 1014
Meneghello, L., 391
Mennie, D., 111
J. H., 604
Menof, P., 912
Menon, A. G., 1043, 1045
C. A., 998
C. K. P., 1003
Mrs. D. K., 1000
K. N., 1000
K. P. G., 1002
M. N., 1004
P. M., 1003
T. C. S., 1043
Menon, T. M., 1000
V. K. N., xxix, 1042
Menshik, Z., 664
Menzies, D. I., 777
G H., 864
R. F., 474
Mer, C. L., 203, 305
Mercer, C. H., 579
D. M. A., 460
F. V, 797
Mrs. G. F. M, 213
Rev S A B, 731
W, 490 491
Merchant, K. T., 956
W, 323
Rev. W. M, 426
Mercier, A, 597
Meredith, B. C. J., 780
C A, 1236
D. E., 439
G P, 129
W. J., 315
Merrell, Mrs M., 124
Merrells, G. L., 230
Merrifield, E, 778
Merrill, G C, 699
Merrington, M. P M, 244
Merritt, J. E., 583
J. W, 583
W. H, 567
Merselius, C. A., 446, 448
Merson, A. L., 459
Merton, L. F. H., 124
Mrs. L. F H., 129
Mes, M. G., 879
Messent, P S, 759
Messier, J. A, 649
Metayer, T. J, 698
Metcalf, W. K., 44
W S, 843
Metcalfe, G., 207
O. K., 399
Metford, J. C. J., 507
Metivier, H. V. M, 1102
Metras, J. P., 737
Mewburn, F. H. H., 555, 562
Meyer, A., 292
B, 606
C. J., 896
F. V, 440
K. F., 833
M. L., 152
Meyerowitz, V. R., 48
Meyers, E. S, 787, 790
Meyerstein, W., 28
Meyler, D. S., 417
Meynell, M. J., 32
Mhatre, S. H., 323
Miah, S., 1064
Michael, Rev. Mother, 1252
Sr. M., 685
Michaelis, E. G., 196
Michaelson, S., 201
Michalenko, A., 692
Michaud, J. T., 597
Michell, A. S., 704
H., 563
Michener, D. R., 382
Michie, C. G., 554
T. C., 556
Michie, W., 476
Michiels, J. L., 202
Michna, S. W., 507
Mickleborough, K., 676
Micklem, N., 344, 356
Micks, R. H., 1237
Middlebrook, W. R., 124
Middlemiss, J. H, 49
Middleton, Lord, 445
E, 325
G. E., 71
H S., 68, 84
M. R., 776
Midgley, E. G, 192
G C. J, 111
Mierowsky, D, 918
Mifsud, V. J., 1086
Mignot, A, 649
Mihalik, P, 886, 918
Milburn, A. R, 70
L, 812
R., 1097
Rev. R. L P, 355, 356, 369
Miles, A A., 305
A. E W, 264
C W. N, 71
F. P, 844
H W, 251
J. A. R, 73
M., 252
T R, 422
Milford, R B, 907
Mill, W. A, 284
Millar, C. H. I, 322
G. J, 691
J G., 552
J L, 692
T. M., 491, 492
W. M, 475
Millard, Mrs. N. H., 864
Millen, D. J., 238
J Ll. E, 320
J. W., 61
Millener, L. H, 839
Miller, A, 162
A., F.R.C.S, 51
Mrs A, 698
A. A., 391
A. E, 508
B A., 145
B. F, 583
C., 569
C. C., 482
C. E., 691
D. A., 492
E, 66, 82
E., F.R.C.P., 218, 278
E. M., 813
F. C., 458
F. J. W., 113
G. G., 615
G. M., 835
H., 486
H., Ph.D., 400
H. G., 843
H. G., M.D., 114, 115
Mrs. I., 551
I. R., 738
J., 321

Miller, J., M A., 507
J., Ph.D., 816
J B., 508
J. C., 592, 598
J. F., 772
J. J., 625
M., 570
M. J , 619
N., 673
N. P., 224
R., 485
R. A , 493
R. B , 552
T. G , 66, 78
T K , 113
W , 152
W., Ph.D., 487
W A , 801
Milligan, A. D , 675
Millin, D , 911
Millington, A J , 818
R J , 810
Millington-Drake, Sir E , 1077
Millis, J., 771
J , M Sc , 1084
Millman, A P , 201
M B , 719
Rev. T. R , 739
Millott, N., 1099
Mills, A. R , 129
C. F , 252
D. E , 230
E. S., 612
F H., 804
G. T., 506
H. D., 1094
J , 274
J A., 757
J. N., 78
J P., 232
J R E , 322
K. F. T., 912
O. S., 398
P. H., 711
R C , 755, 767
S , 151
W. G., 31
W. H., 78
W. J. N., 397
Millward, R , 452
Milne, A., 474
A , D Sc., 486
A. M., 98, 109
A. T., 187
E. A., 349, 368
E. M. M., 1090
E. R. M., 518
I. A., 485
J., 495
J., Glasgow, 511
J. A., 510
J. L., 527
M. D., 315
R. S., 45
T. H., 633
W. S., 475
Milner, Mrs. B. A., 699
D. de F., 721
D. E., 52, 53
G. B., 230
Milner, J. G , 256
J. M., 25
W S , 409
Milner-White, Very Rev. E., 78
Milnes, H. N., 706
N , 487
Milsom, S F. C., 72, 84
Milthorpe, F. L., 761
Milton, G. W., 236
W. E. J , 418
W H , 907
Milverton, Lord, 299
Mimpriss, T W , 284
Minard, G. W., 711
Minchin, R S , 817
Minchinton, W , 432
Mindal, A. A. K., 1031
Minio-Paluello, L , 350
Minish, N. J , 549
Minnion, A. M., 611
Minnis, G E , 518
J W., 483
Minns, Sir E. H , 80
Minskers, Mrs H., 129
Minville, E , 649
Mirambel, Prof , 41
Mirashi, M. V , 1015
V. V., 1020
Mirchandani, T. J , 975, 976
Mirsky, L., 400
Mirvish, I., 864
Mirza, B , 935
H A , 1023, 1027
Misener, A. D., 730, 737
Mishra, B., 990
B. D., 1030
B. K , 1048
J , 1030
R. D., 1018
R. N., 1015
R S , 991
R S , LL B , 1014
S , 1049
S K , 1014, 1015
Miskin, E. A., 239
Misra, B., 1049
B. B., 1031
B. K., 990
B P., 972
B. R., 1030
C. P , 988
D., 1047
D., M.Sc , 1049
G., 1048
G. S., 990, 991
J. N., 972
K., 993
K. C., 1048
K. N., 1030
K. P., 952
L., 1048
L. N., 930
M., 1049
M. G., 994
N. K., 1048
P. N., 1021
R., 1040
R. C., 990
R. D., 988, 991
Misra, R. K., 1048
R. N., 989
S , 1049
S. C., 989
S. D , 1019
S. N., 1030
S. P , 990
S P , M Sc., 1049
S. S , 988, 990
U., 1014
U. C., 1048
V. M , 971
V. R., 994
V. S , 990
Mitchell, A. G., 453
A. G , B.Sc., 108
A. G , Syd., 247, 798
A. McK., 772
A. R., 523
A. W , 616
B. G , 370
C., 663
D., 369
D R., 716
D S , 613
Mrs E., 137
E. E., 865
F. W , 829
Rev. G , 1243
G. A. G , 308
G. D., 150
G F., 1234, 1235
G. J., 605
H. S , 612
I. W., 517
J., 698
J., B.Sc., 1253
J., Ph.D , 692
Sir J., 816
J. B., 66, 86
J. D. B., 217
J. R , 75
J. S., 73, 82
J. W., 47
K., 110
Mrs. M., 505
M. E., 476
M. L., 756
N. C., 504
R., 502
R. W. S., 25
S. M , 524
S. T. R., 503
T. F., 231
T. J., 516
T. M., 112
W. C., 389
W. F., 722
W. M., 495
Mitchener, A. V., 635
Mitchiner, P. H., 293
Mitchinson, A. G. H., 425
Mitford, T. B., 521
Mitford-Barberton, I. G., 862
Mitra, A., 1030
C. T., 1029
D., 990
J. N., 973
K. N., 988
L., 973

Mitra, M. N., 1017
P. K., 1065
R. P., 971
S. C., 963
S. K., 1029
S. K., D.Sc., 963
S. M., 1065
Mitry, W., 1108
Mitter, S. N., 988
Mitton, C. T., 719
G. T., 716
Mittra, B., 1041
Mittwoch, U., 240
Miville, R., 592
Mncube, F. S. M., 908
Mobbs, E. C., 421
F. R., 152
Moberly, Sir W. H., 53, 117, 331, 1232
Mobey, F., 314
Mocatta, S. G., 273
Mockeridge, F. A., 431
Mockler, G. S., 110
Modak, A. S., 1019
Mode, W. F., 201
Modi, Sir H. P., 937
P. K., 1020
Moe, G. G., 565
Moelwyn-Hughes, E. A., 41, 63
Moffat, D. B., 425
Canon E. K., 563
Moffatt, C. F., 612
R. C., 723
Moffet, S. O., 425
Moffett, A. A., 873
A. J., 30
J. M., 43
Mofokeng, S. M., 908
Mogey, J. M., 352
Mogg, R. A., 437
Moghe, M. A., 1020
S. G., 1016
Mohamad, S., 1022
Mohammad, H. G., 1028
K. S. A. T., 1075
S., 1023
S. S., 1070
Mohan, R., 990
Rev. T. G., 255
Mohanty, B., 1048
G. K., 1048
R. C., 1047
R. K., 1048
Mohapatra, M., 1049
Moharil, B. P., 1018
Moharir, S. K., 1017
Mohile, B. V., 957
Mohiuddin, G., 1024
K., 1023
T., 1027
Mohiyy-Ud-Din, A. H. M., 1064
Mohogaonkar, V. P., 1018
Mohr, C. B. O., 775
R. W., 901
Mohsin, S. M., 1024
Mohy-ud-Din, M. A., 1070
Mold, A., 1075
Moinuddin, G., 1025
Moir, A. F., 551
C. M., 517
J. C., 354, 365
P. J., 135
R. J., 816
R. Y., 672
Moisley, H. A., 335
W. M., 335
Molesworth, F. C., 421
Molinaro, J. A., 707
Moll, A. E., 615
H. H., 143
Molland, R., 473
Moller, A., 483
C. T., 913
N., 274
Mollison, C. H., 785
E. L., 777
W. M., 53, 258
Moloney, P. J., 717, 718
Molony, Rt. Hon. Sir T., 1242
Moloughney, W., 667
Molson, J. H., 563
Momen, N., 1064
Momigliano, A., 45
Mona, Rev., 999
Monaghan, Rev. J. P., 638
T. J. A., 533
Monahan, C. D., 802
Moncrieff, A. A., 291
Monette, G., 649
Monfette, G., 649
Mongar, J. L., 242
Monie, I. W., 630
Monk, C., 415
W. F., 844
Monkhouse, F. J., 147
J. P., 268
Monks, F. T., 309, 321
P. J. W., 43
Monléon, J. de, 594, 599
Mönnig, H. O., 879
Monod, T., 1096
Monro, A. D., 843
D. H., 830
J. K., 1084
Monson, C. S., 740
Rev. G. T., 693
Monteath, H. H., 488
Monteiro, E. S., 1083
Monteith, C. M., 357
Montgomery, F., 736
F. H., 722
F. P., 536
G. A., 488
G. H., 563
G. L., 510
N., 198
Montpetit, E., 645, 647, 649
Rev. M., 667, 669
Montreal, Bishop of, 563
Montrose, J. L., 533, 539
Moodie, A. E. F., 192
G. C., 524
W., 286
Moody, B. M., 129
J., 452
T. W., 1234, 1236
Mookerjee, Mrs. F., 972
H. K., 963
Mookerji, P., 1015
R. K., 991
Moolgaonkar, H. P., 958
Moon, A. A., 804
F. E., 496
H. P., 452
P. B., 28, 42
Moontford, D., 790
Moor, B. M., 326
Moore, A., 569
Rev. A. B. B., 693
A. M. A., 265
A. P. R., 760
A. S., 261
C. H. P., 616
D. F., 691
E., 552
E. G., 76
E. M., 185
E. S., 730
F. W., 30
G. E., 83
H., 401, 406
H. C., 154
H. F., 1247
H. I., 442
J. A. M., 272
J. H., 658
J. J. O., 620
J. N. P., 1238
L. R., 58, 399
M. J., 149
N. P. W., 201
N. W., 48
R. H., 49
R. K. L., 916
T., 185
Hon. T. C. K., 1233
T. I., 822
W., 473
W. G., 347, 366
Moore-Rinvolucri, M. J., 146
Moorhead, T. G., 1237
Moorhouse, A. C., 431
C. E., 772, 782
V. H. K., 636
W. W., 706
Moos, S., 103, 104
Moragas, F., 401
Moran, F. E., 1235, 1237
Moraud, L., 597
Mordell, D. L., 610
L. J., 67, 82
Mordret, J., 592
More, K. R., 573
R. H., 614
Moreau, M. P. J., 312
Morell, A. L., 335, 337
Morey, D., 776
E. A., 818
Morgan, A. L., 714
Mrs. A. M., 861
B. G., 145
D. J., 216
D. O., 486
E., 46
E. A., 715
E. G., 504
E. L., 324
E. V., 431

Morgan, F. W., 216
G. D., 422
G. M., 46, 57
H. G., 526
I., 428
J., 427
J. G., 441
J. M., 526
J. P., 758
J. S., 477
J. S, Canada, 719
J. T., 338
L. T., 709
Mrs M., 526
M. M., 224
M. O., 579
M. R., 236
N. G., 54
O. G, 259
P., 35
R, 547
R. E., 128, 141
S C., 568
T J., 428
T. N., 475
W. B., 504
W. T. J., 302
Morimoto, T. E., 558
Morin, C., 646
J. E, 597
Père L., 646
Br. N., 686
W., 596
Morison, W. L., 802
Morisseau, Rev. H, 661
Morisset, Rev. A. M., 661, 664, 669
B., 599
G., 663
J., 668
T., 595
Morland, A., 286
Morley, H., 427
N. H., 571
W. E, 712
Mornane, J. W. J., 778
Moroney, P. B., 155
Morphet, A. M., 723
Morrell, R. C. R., 1082
W. P., 829
Morris, C. E., 275
C. J. O. R., 264
C. R., xxviii, 123, 1231
D. G. O., 421
D. P., 422
E. M. D., 426
E. N., 516
F. G., 46
G. C., 66, 79
H. I., 527
I. H., 336
I. J. L., 49
I. V., 86
Hon. Sir J. D., 812
J. H., 415
J. H. C., 353, 358, 369
J. J., 884
J. R., 241
L. H., 280
N., 325
Morris, Sir P., xxviii, 44, 1231
R., 121
R., B.Sc., 337
R. M., 427
R. W., 912
T., 426
T. F., 607
W, 323
W. I. C., 318
W. V., 632
Morris-Jones, W. H., 217
Morrisby, J. R., 129
Morrish, A. H, 573
Morrison, A. A., 789
A. B, 531
C. F., 711
C L, 373
D., 508
E, 569
F. A., 572
F. O, 618
G. A., 123
Rt. Hon. H., 374
I. F, 553
J, 535
Most Rev. J., 684
J. C, 508
J E, 536
J. F, 789
J L., 550
J L. M, 48
J. P., 698
J. T, 158
L., 847
Mrs M, 633
M. C., 738
M. G., 46
N. A., 844
R., 572
R., M.B., 33
R. G. K, 610
S. D., 506
S. R, 841
Morrissey, D. M., 33
J. J, 1246
Morrow, A. W., 803
J., 100
Morse, B. J., 426, 427
H. D., 637
N. H., 546
Morshead, Sir O. F., 79
Morson, A. C., 297
Mort, E. L., 185
Mortensen, B. M. E., 69
H. N., 779
Mortimer, P. L. F., 49
Canon R. C., 389
Morton, A. H., 818
A. J., 431
A. R., 581, 582
C., 307
D. M., 895
E., 312
F., 24
G., 311
G. R., 557
H. S., 625
J. G. F., 723, 724
Mrs. J. M., 456
R. A., 145
Morton, R. C., 103
R. S., 116
V. C., 417
W. B., 541
W. E., 324
W. L., 633
W. R. M., 531
Morwick, F. F., 723
Moseley, H. F., 615
Moser, C. A, 218
W, 409, 470
Moses, D., 975, 976
D. G., 1019
Mosher, A. T., 938
H. K., 546
J. I., 546
Moshkowitz, F, 202
Mosley, W., 718
Moss, B. L., 108
E. H, 549
R. A. S., 722
Mosse, W. E., 188
Mostert, C. W., 877
G. v. R., 885
L. C, 881
Mostyn, J. G., 47
Mosvi, S. Y. H., 991
Motghare, D. S., 1020
Mott, J. L, 486
N. F., 41, 47
Motyer, A. J., 632
Motz, H., 409
Motzok, I., 722
Mouat, G. C., 113
Moudry, V., 706
Moulden, A. M., 758
Moule, Rev. A. C., 84
A. W., 322
Rev. C. F. D., 64, 75
H. C. C., 68
W. R., 289
Moule-Evans, D., 307
Moullin, E. B., 71, 79
Moulton, E., 677
S. F., 249
Mounier, E, 331
Mount, L. E., 487
Mountain, E. D., 896
Mountbatten, Earl, 457
Mountford, J. F., xxviii, 144
Mountjoy, A. B., 192
W. J., 845
Mousseau, L. P., 556
Mowat, A. S., 579, 585
G., 484
G. T., 511
M., 830
M. C., 578
Mowbray, Sir G. R., 390
N. A., 836
Mowry, D. P., 616, 620
Moxley, J. E., 618
Moxon, A., 689
M. C., 695
Moya, F. J., 582
Moyal, J. E., 314
Moyers, R. E., 717
Moyle, B. J., 572
Moynes, J. M., 567
Moyse-Bartlett, H., 229

Mozley, J. H., 221
Muckle, Rev. J. T, 703
W., 111
Mucklow, J F, 25
Mudaliar, Sir A. L, xxix, 926, 997
D S., 1003
V. T. S, 1004
Mudaliyar, A. S, 999
S. V., 1004
Muecke, D C, 757
Muenter, A. H, 207
Muhajir, M B, 1026
Muhar, P S., 1029
Muir, A, 305
E. G, 262
H, 830
J, 447
J F, 568
K, 126
M. C, 525
T, 837
V. A, 829
Muirhead, J. S, 508
N G., 759
S, 547
Mukerjee, D P, 990
G C., 972
R K, 990
S P, 974
U, 974
Mukerji, A C, 938
K. P, 1055
L. N., 990
R., 1046
S, 1018
Mukharji, T H, 1031
Mukherjee, B. N., 1030
K C., 1064
P. K, 1047
S, 963
S K., 1048
S K., Dacca, 1065
S S, 1065
Mukherji, R. N., 1031
R. N, Ph D, 1048
S R, 1048
Mukhtar, A., 1072
Mulay, R. S, 1014
Mulcahy, L, 1250
Mulder, H. A, 898
Muley, J. K, 1017
Mulgan, D., 28
Mulhall, H., 799, 800
Mullally, G. T., 289
Mullaney, P. J., 1237
Mullen, J. P., 239
Muller, Mrs. C, 910
C. F. J., 891
H., 880
T., 713
Müller, C., 450
E., 552
J. J., 902
Muller-Guggenbuhl, F., 624
Mulley, F. W, 81
Mullick, K. N., 1031
Mulligan, J. H., 520
Mullin, D. I., 449
Mulliner, G. N. L., 309
Mullineux, N., 459
Mullins, E. L. C., 187
R., 460
Mulrenan, B W., 426
Multani, R K., 971
Mulvaney, D J, 774
Mumby, F S, 128
Mumford, E. M, 150
I L., 334
J M, 156
P. B, 317, 321
S. C, 53
Munby, A. N L., 79
D L, 473
L M, 75
Munday, K. A, 472
S M, 801
Mundle, C W K, 523
Mundy, C S, 231
Muneeruddin, K., 1023
Munir, J A, 935
Muniswami, M K, 947
Munje, B. H, 1016
Munn-Rankin, J. M, 74
Munro, A. F, 210
A R, 788
D, 527
D. S, 475
F. A. C, 795
G H, 801
H N, 506
J W, 203
L A, 672
T. A, 259
Rev W. F, 654
Munroe, D. C., 619, 620
E G, 619
I., 617
Munrow, A D, 35
Munshi, K. M., 1015
M. C, 1051
Munster, A. A, 563
R. J., 844
Munuswamy, P. C, 999
Munz, P., 844
Muranjan, S. K, 958
Murdoch, D. C, 571
J. D., 296
J. D., M A., 509
J. I., 373
W. R., 477
Mure, G. R. G., 363
Murgatroyd, F, 299
J. L., 462
Murison, C. A, 491
D. D., 471
Murkute, R. B., 1019
Murnaghan, M., 665
Murphy, A J, 27
A. L., 583
A. P., 790
Rev. Mother C., 585
C. K., 1251
Mrs. D. S., 624
G. W., 308
H. A. G., 1246
J., 331
J., M.A., 146
J., Ph.D., 1253
J. C., 682
Murphy, J. E. P., 829
Very Rev J. M., 781
Rev. L. D., 998
L. J, 776
M., 1251
Marjorie, 1251
N R, 361
W, 831
Murray, A E, 581
A. G, 481
A H, 861
A. J., 804
A L, 436
A. M., 511
A. R, 63, 85
B L, 778
C A, 391
C. B, 227
C. J B, 268
D. H., 724
D R P, 203
D. W. G, 716
E. F, 114
E G D, 611
Mrs. F M, 208
G, 451
G, B Sc, 477
H A, 843
H M R, 85
H R., 618
I, 518
I M, 578
J, 828
J, LL D, xxx, 440
J., M A., 192
J A, 712
J. E, 516
J E, Ph D, 690
J G, 534
J. L, 113
J. R, 115
J R, M.Sc., 556
K, 1232
K A, 908
K. A. G, 446
K A H, 362
L, 890
L H., 693
M., 193
M I., 861
P, 54, 179, 196
P. D. F., 800
R E., 800
R. G E., 737
R. J K, 486
S., 575
S G, 709
S. J., 562
V., 611
V. C., 529
W. A., 399
Murrell, M, 498
Murtagh, B. L. S., 30
Murthi, B. N., 1026
P. K, 1025
Murthy, G. S., 1018
K. V. R., 1020
L. S., 1010
N. V. K., 1027
Murthy Rao, A. N., 1008

Murti, N. N., 957
T. R. V., 1055
V N., 956
Murty, C. S., 1048
P. B. W , 942
T. S., 1019
Murugamanickam, P., 998
Musavi, M. H , 974
Musgrave, A. J., 723
O. C , 516
W. K. R., 101
Musgrove, A H , 436
J. E , 557
S , 840
W. M., 636
Mushin, R , 778
W. W., 436
Muskett, A. E , 535
Muslim, M , 1031
Mustafa, A , 238
M. M., 1107
Mutatkar, V. L , 1019
Mutch, J R , 475
Muthanna, M. S., 1051
Muthiah, R E. S., 1003
Muthuswami Pillai, M , 949
Muthuswamy, B , 940
Mutter, G N , 427
Mutton, A. F. A , 222
Muttucumarana, T. de S , 1056
Muzaffar, S D , 1070
Myatt-Price, E M , 218
Myers, A. R., 148
C. R., 709
D. M , 801
G E., 156
G E , M Sc , 554
G. N., 85, 128, 134
H. S , 865
Sir J. E., xxx, 322, 327
J. O , 137
W. R., 460
Myleru, C. R , 947
Myles, H. L. P., 514
Mylks, G. W., 676
Mynors, J. M., 43
R A. B., 63, 80
Myrdal, G., 74
Myres, J. N L., 344, 359
Mysore, Maharaja of, 100,

NABAR, G. M., 955
Nabarro, F. R. N., 27
Nabi, N., 935
Nadal, R. M., 210
R. V , 41
Nadaraja, T., 1055
Nadarasar, S , 1055
Nadeau, G., 591
H., 597, 598
H., L.Sc., 645
J. M., 646, 649
Nadel, G. H., 774
S. F., 767
Nafde, R. L., 1019
Nag, B. C., 926
K. C., 972
Nagabhushanam, K., 941
Nagappa, P. H., 1009
Nagar, R. N., 991
S. K., 971
Nagaraja Rao, K , 947
V , 940
Nagarathman, C. D., 1024
Nagesha Rao, T., 1051
Nagnath Rao, M. S., 1024
Nagy, M H., 53
Naidu, B. R. K., 1002
M. R. R., 999
P. R. J , 1009
S P , 943
S S., 974
V. R., 1010
Naik, M. V., 1016
R N., 958
S , 1049
Naimuddin, S., 1015, 1020
Nainar, M. H., 998
Nair, K., 926
K. K., 942
K. N. G , 1004
K. S. U , 1001
T. B. K., 999
Nairn, R. C , 154
V , 44
Naish, W. A., 307
Najmuddin, S. M , 1075
Nalden, C., 841
Nales, N. A. J , 1056
Nalin, Mrs. I., 957
Namadev, A. D., 1011
Namasivayam, D., 1001
Nambiar, O. K., 1008
P. S., 1002
V P. N., 999
Namier, L. B , 313
Namjoshi, S. Y., 1016
Nanda, B., 1047
K. K , 971
S. K., 1048
Nandanpawar, L. S., 1019
Nandapurker, N. R., 1023
Nandi, A. K., 1047
Mrs. R., 1030
S. K., 1051
Nandris, G., 188
Nandy, S. K., 974
Napier, Sir M., 756
Napper, J. H., 107
Naqvi, S. A. N., 993
S. M. H , 1026
Narain, J., 978
K., 1031
R., 972
R., LL.B., 981, 991
S., 1031
S. K , 990
Narasimha Murthy, N. K., 1009
Narasimhachar, D. L., 1009
Narasimhachari, K., 999
Narasimham, K. V. R., 941
N. V. A., 940
Narasimhamurty, G. S. R., 942
Narasimharao, P. L., 1051
Narasimhasastry, M., 941
Narasimhiah, C. D., 1008
Narasinga, M., 942
Narasinga Rao, A., 942
Narasingo Sathapathi, 942
Narayan, A. L , 943
B., 930
D , 988
G , 1008
H., 1031
L , 1029
S., 973
Narayan Das, B., 949
Narayana, A., 1031
B., 1030
Narayana Iyengar, B. N., 1052
B. R., 1010
Narayana Rao, D. A. A. S., 941
K. R., 1052
L , 1008
Narayanamurti, M., 999
Narayanan, K., 1042, 1043
S., 999
Narayanan Poti, A., 1042
Narayanaswami, 971
A., 997
Narayanaswami Ayyar, S., 948
Nardin, P. C , 608
Narendranath, S., 949
Narkey, R. A., 1015
Narsian, S., 926
Narsimhan, G., 1014
Narsu, B. V. R., 1025
Narula, J. L., 972
Nash, C. W., 633
D , 250
D. F. E., 276, 293
E. F , 418
J. K. T. L., 208
W , 572
Nash-Williams, V. E., 425
Nasimuddin, 1065
Nasrullah, K , 1022
Nat, B. S., 983
Natan, A E , 579
Natarajan, K. S., 1014
M , 948
Natesan, P. S., 1003
Nath, M C., 1015
N. S. N., 1030
Nath, V., Ceylon, 1055
V , Delhi, 972
V., M.Sc., E. Panjab, 978
V , Ph.D., E. Panjab, 979
Justice W. J., 978
Nathanson, K., 872
Natrajan, S., 1025
Nattrass, F. J., 114
Natu, M. G., 1018
Naude, C. P. T., 908
H. J., 882
Navanithakrishna, T. P., 948
Navaratnam, S. L., 1037
Nawaz, M. S., 1024
Nayak, K. V., 957
Nayar, S. K., 998
Naylor, A. C., 913
A. H., 532
Rev. C. B., 370
E. J., 318

Naylor, G. F. K., 789
G. R. E., 73, 77
R. F., 1097
Naziruddin, A. A., 1025
Neal, B. G., 71, 85
G. M., 710
J. H., 873
L., 735, 737
L. F., 126
Neale, A. V., 49
C. I., 835
J. E , 241
J. W., 446
R. D., 836
R. G., 789
S. M., 323
W. F., 691
Neame, H., 287
Neamtan, S. M., 634
Neatby, H., 690
Neave, F. K., 393
Neaverson, E , 147
Needham, A. E , 352
C. D., 475
H. A., 58
J., 526
N. J. T., 62, 77
Neela, R., 1000
Neelakanta Rao, S., 941
Neelakantam, K., 941
Neelakantan, M. G., 999
Neeson, S., 1251
Neethling, E. J., 905
H. L., 883
J. H., 903
Nef, J. U., 42
Negus, V. E., 261
Neil, E., 129
J. C., 509
W., 474
Neill, A. G , 829
D., 790
D. G., 534
J. W., 571
R. M., 472
Neilson, D. F. A., 284
E. B., 52
H. R., 619, 620
J., 695
J. B., 512
J. W., 557
N., 567
S. A., 610
Neitz, W O., 884
Nel, A., 901
B. F., 882
H. I., 901
H. J., 881
J. P., 887
R. I., 903
Neligan, G. A., 113
G. E., 265
Nelson, A., 482
B., 144
E., 551
E. A., 775
G. A., 128
H. I., 706
H. M., 517
H. M. A., 885
Nelson, M. F., 147
N , 527
S. G., 803
W., 803
W. J. A., 476
Nene, H. N., 1017
Nesbitt, H. G., 151
J. E., 325
Nesiah, K., 1055
Ness, A. R , 618
H. B., 558
K. A , 777
Nettleton, H. R., 196
Neubert, E W., 156
Neumann, B. H , 314
H., 447
Neuschaffer, W , 459
Neustadt, I , 451
Nevill, P. H. W., 829
W. E., 1235
Neville, E. H , 391
H. D., 1110
H. H., 221
K. P. R., 736
M. E. S , 771
Nevin, R. W., 284
S , 261, 294
T. E., 1246
New, C. W., 624
New Brunswick, Lt.-Gov. of, 658
New Zealand, Gov.-Gen. of, 825, 828
New Zealand, High Commissioner, for 825
Newark, F. H., 533, 538, 1231
Newberry, P. E., 163, 212
Newbery, E., 868
Newbold, G. T., 516
V. M , 911
Newbould, F. H. S., 722
Newboult, H. O., 389
Newbound, K. B., 552
Newbury, C. R., 781
M. S., 338
Newby, H. V., 221
Rev. M. T., 708, 731, 732
Newcomb, W. D., 280
Newcombe, C. R., 633
Newel, D. G., 537
Newell, A. N., 125
G. E., 222
J. E., 636
M., 1254
R. L., 320
Newhook, J. C., 851
Newing, R. A., 422
R. K., 779
S. T., 47
Newitt, D. M., 199
Newland, W. R., 185
Newlyn, W. T., 125
Newman, B. A., 850
C. E., 294
E. J., 22
F. A. B., 459
F. H., 442
G., 417
I. V., 1054
K., 872
Newman, M. H. A., 314
P. H., 268
P. K., 244
P. P., 129
S. T. M., 486, 497
Newns, G. H., 295
Newstead, G. H., 812
W. F., 836
Newte, F. R., 463
Newth, D. R , 245
F. H., 420
J. A., 315
Newton, Sir A., 785
B., 818
B M , 550
D., 773
H. R., 777
J. D., 447
J. D , Ph D , 553
Mrs. L , 415
R., 549, 558
R., M.D., 318
T. M., 511
W. H , 22
Ng, C. S., 1078
Ngcobo, S. G., 870
Ní Ghuairim, S , 1236
Ni Maol-Chroin, C., 1253
Niblett, J. D., 336
W. R , 138
Nicholas, A. W., 1084
D. J D , 54
H. G , 351, 360, 374
J. K. B M , 353, 358, 359
T. C., 83
Nicholls, A W., 401
G. D., 312
J. J., 798
J. V. V., 614
M. F., 278, 279
R. V. V., 604
W. E., 813
Nichols, A., 460
J. E., 417
J. P., 41, 42
L. H., 552
R., 41
R. B., 578
R. F., 342
W. M., 476
Nicholson, A. E., 504
Rev. C. M , 584
D., 636
D. E., 131
D. N., 493
H. H., 71
H. M., 617
J. A., 1248
J. C., 911
J. F., 582
J. H., xxx, 445
M., 405
M., M.A., 71
P. A., 244
Rt. Rev. P. J., xxix, xxxi, 684
R. J., 445
T. F., 714
W. F., 320
Nickson, G., 59

Nicol, H., 512
R. M., 515
T., 207, 211
T. B., 808
W. A., 52
W. B. de B., 512
W. D., 272
Nicolai, M. F. E , 124
Nicoll, A , 25, 42
Nicolson, E. L., 114
M. M., 129
N., 507
Niculescu, B. M., 1090
Niddrie, D. L., 870
M. K., 870
Nidiry, A., 1043
Niebergs, G., 42
Niemeyer, Sir O., 215
Nienaber, G. S , 870
H., 877
P. J , 907
Niesche, F. W., 804
Nieto, B. H , 485
Nieuwoudt, C. F., 880
Nigam, K. C , 1016
K. P., 1047
M. P , 994
R. C., 992
S. N., 975
S S , 992
Nightall, E. W., 338
Nijsure, P. G., 1017
Nikam, N R. A., 1009
Niklaus, R., 312
Nikolaiczuk, N., 619
Nilamegam Pillai, R , 948
Nimmo, R. R., 830
Nineham, Rev. D. E., 366
Nipane, G. P., 1017
Nirula, R. L., 1015
Nisbet, A., 486
A. F. R., 513
D. I., 496
J. D., 470
J. W., 521
N. W., 831
R. H., 197
S., 416
S. D., 504, 532
Niven, W. D., 515
Nixon, M. A., 845
W. C. W , 286
Niyogi, J. P., 962
Nizamuddin, H., 1022
M., 1023
Njoku, E., 1093
Noad, A. S., 605
Noakes, F., 568
Nobbs, D., 487
Noble, A. B., 675
C. E., 554
J. A., 583, 584
Mrs. M., 470
P. S., 470
R. L., 738
T. A. F., 473
W. J., 547
Mrs. W. J., 547
Nockolds, S. R., 68, 85
Noel, A. R. A., 333
Noel, M., 665
Noël, L., 599
O., 648
Noice, J. W. J., 460
Nokes, G. D., 209
Nolan, F. E. V., 107
G. E. S., 121
Rev. H., 1254
J. J., 1245, 1246
P. J., 1246
Noll, A. M., 974
Nolte, D. J., 899
D. J., M.Sc., 910
Noltie, H. R., 129
Nonamaker, E. P., 583
Noon, J. H., 789
Noonan, B., 633
J. A., 185
Noorul Has Ali, S., 934
Norasimhachari, T., 944
Norbert, le R. P., 649
Norman, A. F., 445
C., 949
D. G., 873
F , 188, 209
J. R., 775
R. M., 50
R. T., 101
W. S., 25
Normand, Lord, 236
Normandin, Rev. R., 661, 667
Normington, A. C , 324
Noronha, F. J., 1009
Norrington, A. L. P., 367
Norris, A. D., 445
F. W., 27
K. E., 697
V., 30
Norrish, R. G. W., 63, 77
North, Rev. C. R., 411, 421, 422
F. K., 570
M. E., 1235, 1236
R. J , 455
Northbourne, Lord, 251
Northcote, D. H., 62
Northcott, D. G., 67, 82
R. J., 702
Northcroft, F. J., 900
Northfield, D. W. C., 265
Northrop, F. S. C., 784
Norwood, Sir C., 1112
G., 703
Nossal, P., 756
Nosworthy, J. M , 416
Notcutt, B., 871
Notestein, W., 1859
Nova Scotia, Archbishop of, 588
Novotny, J. M., 605
Nowell-Smith, P. H., 367
Nowlan, G. C., 547
Rev. G. S., 1238
Nowottny, W. M. T., 240
Noyce, E. R. M., 503
Ntiro, S. J., 1097
Nuffield, E. W., 706
Nugent, M. V., 371
Nunn, E. R. H., 52
J. P., 309
Nürsten, H. E., 137
Nurus Safa, M., 1064
Nussey, A. N., 618
Nutlay, A. G., 584
Nutt, C. W., 24
J. D., 496
M. E., 28
Nuttall, Rev. G. F., 254
H., 25
J. M., 315
J. R., 134
Nuttall-Smith, R., 237
Nutting, J., 68
Nye, J. F., 68
P., 1094
Nyembezi, L. C. C., 908
Nyholm, R. S., 238

O'Blenes, C., 547
O'Brien, B. E., 1237, 1238
B. R. A., 797
C. J. H., 810
E., 1235
Rev. F., 1254
G., 1243, 1247
G. W., 1245
H. D , 583
J. L., 774
J. L., B.C.L., 611
J R. P., 354, 365
M , 851
M. E., 538
W , 1254
W. J , 869
O'Broin, T. P., 1253
O'Brolchain, C , 1254
O'Buachalla, L., 1253
Ó Cadhlaigh, C., 1246
O'Callaghan, D. J., 1251
N. M., 1250
P., 1249
Ó Cathàin, Rev. S., 1245
O'Cinnéide, R., 1250
O'Connell, A. J., 1245
B , 588
C. S., 1250
J. E. A., 276
R., 761
O'Connor, D. J., 871
E. A., 788
F. D., 675
F. J., 1234
F. X., 675
H. G., 1253
J. D., 243
J. M., 41, 1247
M. J., 676
W. J., 129
Ó Cuilleanain, C., 1252
O'Dea, A. F., 1248
J. J., 850
O'Dell, A. C., 471
O'Doherty, B., 1254
Rev. E. F., 1246
O'Donnell, Rev. J. L., 690, 693
Rev. J. R., 703
M. J., 1254
T. A., 771
O'Donoghue, C. H., 398
J. G., 533

O'Donovan, D. K., 1248
J. M , 1252
W. J , 264
W. J., Cork, 1252
O'Dwyer, R , 1249
O'Farrell, A. F., 810
M. B., 447
T. T., 1247
O'Flynn, Rev. D P , 1243
F. D., 844
Rev J , 1243
O'Gorman, F. J , 397
O'Grady, B. A , 682
E , 662, 664
S C., 109
O'Halloran, M. A , 803
O'Hanley, Rev J P. E , 682
O'Hea, A J , 509
Rev. L , 371
O'Hea-Cussen, V , 1252
O'Keefe, M T., 773
O'Keeffe, Rev D , 1246
E R., 818
O'Kelly, J. J , 1249
M J , 1250
W. D , 1248
O'Leary, Rev. de L , 47
F J., 714
Rev. J., 1251
O'Loane, Very Rev. J H , 739
O'Lochlainn, P , 1253
O'Mahony, Rev. J E., 1251
W. J., 1250
O'Maille, T S., 1253
O'Malley, B , 1254
C. C , 1254
C. K., 866
M. G., 1254
O'Meara, J. J , 1245
R A. Q , 1234, 1237
O'Neil, Rev A. H , 736, 739
J B., 692
L Z., 721
W M., 799
O'Neill, F. I. R., 532
F. R , 537
H., 432
J. B , 533
J. J., 603, 606, 609, 620
J. J , M.A., 1245
P. G., 230
O'Nians, E. A., 124
O'Raghallaigh, T., 1253
O'Rahilly, A., 1250
R., 397
O'Reilly, A , 643
J. J., 31
J. K., 787
Ó Riordáin, S. P , 1245
O'Rourke, F. J., 147
O'Shaughnessy, M. D., 611
O'Shea, M. J., 1251
O'Sullivan, D., 1236
D. G., 267
G. F., 1247
J. G., 507
J. K., 311
M., 1251
Mrs. M. J. D., 1253
R., 241
O'Toole, E., 1236
Rev W. B., 703
Oak, D. M., 1017
Oakden, J. C , 306
J. P., 522
Oakeshott, M J , 95, 217, 374
Oakland, G. B., 630
Oakley, C A , 507
H. R., 239
W. G , 261
W. J , 836
Oastler, E G., 510
Oates, J R , 409
Oatley, C W., 71, 84
Oatway, H. C , 610
Obeck, V F., 617
Oberholster, J J., 877
Oberholzer, C. K., 881, 882
P. C J , 883
Oberlander, H. P , 566
Oblitas, R., 1079, 1080
Obolensky, Prince D., 95, 352
Obroi, M L., 926
Occleshaw, V J , 145
Ockleston, A J., 910
Odede, F W , 1097
Odell, A L , 839
B F , 843
N E., 829
Odendaal, W A., 886
Odin, J. P , 710
Odynsky, W., 558
Oehlers, F. A. C., 1084
Oertly, G., 883
Oeser, O. A , 776
Oettle, A. G., 907
Officer, M., 322
V C., 775
Offler, H. S., 102
Offor, R , 1232
Offord, A. C , 196, 197
E. C., 227
Ogden, W M., 112
Ogg, D., 349, 364
Sir W. G., 305
Ogier, J., 673
Ogilvie, Lady, 139, 140
A. G., 484
A. G., M.D., 114
B. T., 680
Sir C. M. G., 522
C. W., 844
E. C., 617
Sir F. W., 389, 396, 541
Sir H., 259
J. P., 611
R. F., 489, 490
Ogilvy, I. H., 779
Ogorkiewicz, R. M , 201
Ogston, A. G., 345, 358
Oh Eochadhe, C., 1253
Ojha, D., 975
Oke, B. Y., 957
Okulitch, V. J., 570
Oldfield, J. H., 847
M. W. C., 135
R. C., 392
Oldham, A. G., 213
C. R., 1107
J. B., 155
Oldham, J. N., 227
Hon. T. D., 770
W., 758
Oldroyd, G., 307
J. G , 84
Oleesky, S., 315
Olén, C. L., 900
Olga, Sr. M , 705
Oliphant, M. L. E., 42, 43, 248, 765, 768, 784
Olive, C. E., 712
Oliveiro, C. J , 1082, 1085
Oliver, A. M , 311
A. R., 812
H C , 306
H J , 798, 805
H O , 909
J., 432
R A., 232
R A C., 325
W , 483
W F , 618
W. H., 844
Z. J , 550
Olivier, D L , 860
N J. J., 899
O. J , 872
S. P , 861
Ollard, Canon S. L., 389
Ollerenshaw, R G W., 309
Ollett, F. A , 53, 460
Ollis, W. D., 45
Ollivère, J. D. F., 1252
Ollivier, M , 664
Olsen, C P. M , 240
Olson, P. J., 635
Olssen, E. A., 829
Olszewski, J., 613
Olver, N. H., 780
Omar, A. B., 994
M B., 1023
Omer-Cooper, J., 897
Onabamiro, S. D., 1094
Onians, R. B., 191
Onions, C. T., 362
W. J., 138
Ontario, Lt.-Gov. of, 735
Oommen, M , 1002
Oon, C. S., 1083
Oosterhagen, P H , 885
Oosterhof, F. M. P., 891
Oosthuizen, M. J., 872
S. F., 886
Opechowski, W , 573
Openshaw, H. T , 521
Opie, R. G., 757
Oppenheim, A., 1083, 1084
A. N., 776
Opperman, D. J., 863
Oram, S., 261
Orba, A., 458
Orchard, E. R., 872
R. H. G., 551
Orchiston, H. D., 848
Ord, B., 68, 78
Ordman, B., 912
Organ, S. L., 643
Orgel, V., 1235
Orian, G., 1106
Oribe, E., 162

Orissa, Gov. of, 1047
Orkin, P. A., 472
Orkney, J. C , 517
Orlick, E., 617
Orme, F., 402, 404
Ormerod, F. C., 292
H. A , 148
M J , 636
Ormrod, F., 390
Ormsby, M A , 570
Ormsby-Martin, R. M., 232
Orobko, J , 557
W , 557
Orowan, E , 78
Orr, A. S., 241
H , 554
J., 484
J., Ph D , 508
J. H , 675, 680
J W., 32
M D., 718
M. J , 513
N. B , 517
R. K , 68, 82
S S , 775
W. B., 445
Orr-Ewing, H. J , 49
Orrey, L. G., 307
Ortenberg, S , 613
Ortlepp, R. J , 884
Orton, A. A , 829
G , 102, 104
H , 126
J H , 162
R., 115
Osborn, G R , 403
S. F , 871
T G B , 345, 363
W. T , 70
Osborne, D J., 252
G. D , 798
G. V , 155
J., 33, 43
J. E , 625
R. F , 573
Osbourn, R. V., 311
Oschinsky, D., 148
Osman, R , 1026
Osmani, M A., 1027
Osmaston, F C., 488
Osrin, L., 886
Osselton, Mrs. E W., 113
J. W., 115
Ossowski, L. L. J., 873
Ostiguy, Rev. R., 667
Oswald, D H., 504
F , 335
J. M., 554
N C., 275
Othen, O. I., 127
Ott, W. L., 672
Ottaway, A. K. C., 126
C. W., 52, 95
Mrs. D. O., 134
J. H., 237
Otway-Ruthven, A. J., 1235, 1236
Ouellet, C., 591
L., 591
R., 596
Oughton, J. G., 723
Ouimet, J., 663
Oulton, Rev. J. E. L., 1238
Ouseph, C C , 999
Ovenden, M. W , 62
Ovens, E. A., 405, 408
K , 400
Overend, W. G., 23
Owen, A , 431
A. R. G , 58, 84
B. G., 315
B S , 109
B. T. W., 836
D., 634
Rev D R. G., 708, 732
E. A , 422
F., 552
G. R. W , 611
H., 392
H., Canada, 713
Rev. H. P., 411
J. B , 835
L N , 199
L V. D., 335
R. D., 437
T , 714, 719
T. H , 421
T. M., 822
T. R , 432
W. J. B , 421
W S , 152
Owens, E. T , 659
Ower, J J , 556
Owers, A. C., 253
N., 1020
Owst, G. R., 64, 77, 89
Owston, P. G., 238
Oxford, D. C., 460
Oxley, O. J. P., 870
Oxnam, D W , 817
Oxner, B., 695
Ozburn, R H., 723
Ozorio, H L., 1078

Pable, S , 1017
Pace, J. L., 1086
Pacey, W C. D., 658
Pachow, W., 937
Pack, C. M., 530
D. C., 523
Packer, A. D., 756
J , 834
J. W., 138
R. E., 437
Packham, A. L., 267, 270
Padfield, D. G., 102, 105
Padhl, N., 1047
Padhye, M. R., 1019
Padley, R., 30, 43
Padole, G. C., 1015
Pady, S. M., 604
Paecht, O., 53, 365
Paff, W. P., 910
Pafford, J. H. P., 164, 242
Pagano, Rev. S., 668
Page, A. B. P., 203
B. S., 123
D. L., 63, 339
Rev. F. H., 580, 588
F. J., 844
Page, G. E., 790
H. J., xxx, 1102
M., 251
N., 315
R. K., 1016
Pagé, E., 597, 598
Paget, P., 533
Pahade, J. S., 1018
Pahwa, S., 974
Pai, A. G., 1051
B. H. P., 1003
Pain, A. B., 135
Painchaud, C. A., 598
Paine, C. G., 402
H. N., 778
Paintal, A. S., 989
Painter, E. W., 757
Pairpoint, M., 443
Paish, F. W., 216
Pakajamony, K., 971
Pakalnins, A., 610
Pakistan, Gov.-Gen. of, 1063, 1069
Pal, H N., 1063
K C , 1065
R., 992
Palande, M. R., 957
Palaniswamy, S , 1004
Paley, R. G., 132
Palin, A , 50
Paling, V. R., 508
Palit, N. L., 1030
Palley, A., 864
Pallister, E. F., 724
Palmer, A C., 261
C. E., 784
D. G., 486
E., 236
E. L., 849
E. W., 757
F. P., 30
F. R., 231
G. E. H., 390
H., 831
J. H., 612
L. R , 207, 211
L. S., 447
S., 108
W. G., 63, 81
Panar, D., 554
Panchapagesa Sastriar, P., 948
Panda, S. K., 1047
Pandalai, K. S., 973
N. G., 943
Pande, A. L., 1041
K. N., 1030
P. C., 1018
P. G., 929
R. C., 989
R. N., 1023
R. P., 1017
S. K., 990
S. S., 1019
Pandey, A., 992
D. D., 993
K. C., 992
S. K., 994
Pandeya, A. N., 974
Pandharipande, S. L., 1018

Pandit, B. S., 1018
P. B., 1019
S. L., 987
S. V., 957
V. N., 1017
Pandya, K. R., 1014
Paneth, F. A., 101
Pang, W., 1078
Panigrahi, D., 1047
Panikkar, P. R. P., 1042
Pankajam, S., 1000
Panneton, P., 647, 648
Pannett, C. A., 281
Panse, T. B., 955
Pant, D , 992
N. K., 972
Pantin, C. F. A., 70, 83
W. A , 344, 349, 365
Panton, R. C , 25
Pantony, D. A., 253, 532
Papastavron, S. J., 63
Papatla, P., 1048
Papayannopoulou, K., 23
Papendorf, M. C , 892
Papillon, Father, 646
Papineau, Y., 649
Paplauskas-Ramunas, A., 666, 668n
Papworth, H. C., 1046
P , 441
Paquet, A., 597, 602
B , 598
Paradis, B , 597
Paradkar, B. K., 1019
K. K., 1019
M K., 1016
Parajpe, R. V , 956
Parameswara Aiyer, M. S. U. S , 1046
Parameswaran, N., 1009
Paranjoti, V., 991
Paranjpe, D. R., 1016
H. K., 957
P. M., 1041
Paraskevopoulos, J. S., 876
Parbrook, H. D., 149
Paré, A., 648
C , 591
S., 595
Parekh, D. P., 957
Parent, Mgr. A. M , 590, 594, 600
J. M., 595
O., 591
Pares, Sir B , 163, 212
R., 485
Pargaonker, V. N , 1025
Pargiter, E. D. P., 224
Parihar, B. D., 971
Parija, P., 952
Parikh, G. D., 957
Paris, J. G. P., 471
Parish, D. H., 535
E. L., 208
Park, E. W., 706
H. E., 200
S. D. S., 510
W. R. R., 658
W. W., 524
Parkash, G., 973
Parke, E. H., 1233
H W , 1234, 1235, 1236
Parke-Taylor, Rev. G. H., 721
Parker, A. A., 473
A. H., 337
A. O., 436
B. N., 184
C. F , 401
H., 895
H. H S., 800
H. R., 146
J., 324
J , M.A., 460
J. H , 707
K. T., 365, 383
M., 1098
Rev. M. B., 739
N., 799
N H , 626
R., 336
R. A., 436
R. C., 717
R. E , 457
R G. F , 865
R. H., 432
R S., 845
Rev T. M., 361
W. J , 630
Parkes, A. E. M., 721
G. D., 345, 370
Parkin, B. S , 884
M , 401
Parkington, M. W., 220
Parkins, R N., 110
Parkinson, B. B , 146
C. N., 1082
G. H. R , 392
J. L , 244
Parlee, Justice, 549
S. S , 555
Parmar, V. L , 957
Parmée, D , 65, 81
Parmenter, M. D., 720
Parmoor, Lord, 366
Parnandiwar, M. D., 1016
Paropkari, R. N., 957
Parr, J. G , 152
Parrinder, Rev. G., 1094
Parrington, F. R., 70, 92
Parris, S C., 426
Parrot, P , 597
Parrott, A. G., 643
H. I , 28, 417
W. V., 53
Parry, C , 72, 76
D. A., 79
D. H., 180, 217, 1232
D. W., 423
E., 163
E. O., 429
G., 149
H., 534
H. L., 442
I. F., 421
J. H., 75, 93, 1099
J. K., 775
M., 391
O. A., 125
R. H., 51
R. J., 437
Parry, S. V., 84
T., 422
V. J., 232
Parry-Williams, T. H., 417
Pars, L. A., 67, 78
Parshad, Miss, 973
G., 979
Parson, D. H., 361
Parsonage, F. H., 322
Parsons, C. G., 32
C. R., 705
D. S , 345, 361
F. B., 95
F. W., 231
H. S , 758, 761
H. W., 447
K. O , 1107
L., 448, 1093
Sir L G., 29, 36, 409
M. A , 223
R., 199
Rt. Rev. R. G., 331, 389
R. W., 817
T., 220
T. R , 1094
Parthasarathi, S , 1000
Partington, J. R , 221
Parton, H. N., 834
J. E., 508
Partridge, A C , 880
F G , 722
M A , 337
M. W., 333
P H , 797
Mrs R. C., 718
Parulkar, K. K , 1018
Parvathamma, H. M., 1009
Parvati, A., 1003
Pasalich, M D., 35
Pascal, F., 29
R , 26, 42
Pascoe, K. J., 71
Pashler, P. E., 709
Pashley, D. W., 203
Pask, A. H., 632
E. A , 113, 116
Pasricha, K., 974
Passé, H. A., 1055
Passey, R. D., 133
Passmore, J. A., 809, 830
J. H., 720
R., 490
Pasternack, D. S., 558
Patankar, B. V., 1010
V. S., 958
Patching, T., 554
Patel, J R., 957
K. P., 1019
S. M., 409
Paterson, C. H., 344
D. S., 516
E. R., 699
G. C., 706
J., 518
J. C., 739
J. E., 491
J. J., 634
J. L., 518
J. M., 828, 829
J. R., 492

Paterson, J. R. K., 320
J. Y. F., 483
N., 875
R. M. L., 839
S J., 493
W. N., 624
Patey, D. H., 268
Pathak, B. L , 1041
G. S., 937
K. K., 937
Y. M., 1018
Pathmanathan, R., 1054
Pathy, C. S. K., 229
Patience, Sr M , 1002
Patil, G. N., 1014
S. T., 1015
Patnaik, B., 1048
H. K , 1048
K. B., 1048
P. B., 999
R C., 1047
Paton, C. N , 802
D. A , 391
G. W., 777, 782
H. J., 351, 360, 527
J., 486
R., 691
Patra, S., 1049
Patricia, Sr. M., 687
Patrick, A. W., 625
I., 614
L. B., 403
M., 551
M. Y., 526
S. J., 1099
V., 33
W., 511
Patry, L., 598
Pattee, C. J., 613
Patten, T. D., 484
Patterson, A., 654
A. T., 459
C., 484
C. F., 692
D., 844
Mrs. E. J., 441
E. L., 308
E. M., 400
E. M., M.Sc., 522
G. C., 706
G. N., 710
H. T., 533
Mrs. H. T., 454
J., 256
J. D., 251
J. R., 723
L. P., 698
M. W., 900
Rev. T. C., 958
T. S., 515
W. H., 317
W. S., 109
Pattie, D. R., 517
Pattison, B., 184, 248, 1110
Pattisson, R. M., 95
Patton, D. J., 835
D. R., 609
H. J., 162
R. T., 784
Pattullo, W. O., 474
Patwardhan, G. K., 1019
H. W., 1016
P. J., 1016
Patwari, R. R., 1023
Pauc, Mrs. C. M. L., 862
C Y., 862
Paul, D., 973
E. M., 134
G. A., 350, 368
H , 33
J. P., 517
K., 975
L. C., 692
M , 1058, 1060
R. G , 51
S., 1003
W., 472
W , Ph D., 715
Paul-Armand, Rev. Sr , 667
Pausacker, K. H , 771
Pauw, S., 902
Pavlasek, T. J. F , 610
Pawson, H. C., 112
Paxton, K. D., 484
Pay, T. W. F , 228
Payeur, L. R., 597, 599
Payne, D. S , 503
E A , 355
E. R., 24
M. A., 131
Pe, H., 230
Peabody, J. A., 581
Peace, A. G., 125
K. M., 85
Peach, L. G., 837
Peacock, A. D., 524
A. T., 216
D. H , 398
J. R., 278
M. A., 705
R., 312, 331
Peacocke, R., 23
Peake, E., 654
Peaker, F. W., 23
Pear, R. H., 217
T. H., 315
Pearce, A. D., 778
G., 761
I. F., 337
J., 392
Pearcy, I. H., 458
Pearlman, I., 636
Pearn, J. O., 791
Pears, D. F., 360
Pearsall, W. H., 237
Pearse, A., 1100
L. E. B., 202
R. W. B., 202
Pearson, Rev. A. F. S., 538
A. M., 723
B. W., 35, 39
D. M., 1004
E. F., 1235
E. S., 244
F. V. D., 150
G. M., 111
J. D., 232
J. E. G., 49
J. K. L., 535
Rev. L. R., 204
Pearson, N., 24, 28
R. S. B., 261
W., 1238
Y., 571
Peart, D. R., 799
Peat, S., 420
Peattie, K. R., 334
Pechey, B. M., 871
Peck, A. L., 63, 75
W. J., 306
Peddie, G. A., 844
J. R., 468
Peddlesden, C. G , 104
Pedersen, Dr., 162
Pedley, R., 451
Pedoe, D., 249
Peebles, A., 568
M., 843
Peel, E. A., 24, 35
E. D., 316
J. H., 261
R. F. E. W., 66
T., 79
W., 163
Peeling, E. R. A., 451
Peeney, A. L. P., 30, 32
Peers, A. L., 555
E. A., 148
R., 333, 337
Peets, D. L., 697
Peghaire, J., 646
Pegis, A. C., 708
Peieris, R. E., 27
Peipman, E. V., 805
Peirce, A. W., 756
C. B., 615
Peiris, M. V. P., 1058
Pelan, M. M., 533
Pelham, R. A., 459, 460
Rev. W. H., 59
Pell-Walpole, W. T., 27
Pelland, L., 597
Pellerin, Rev. A., 687
Pelletier, A., 598
Rev. A., 661
E., 598
J., 664
J. R., 590
Pelling, H. M., 366
Pellissier, S. H., 876
Pells, E. G., 861, 867
Pelluet, D., 578
Peltz, P. I., 913
Pelzer, A. N., 881, 882
Pemberton, H. S., 153
J., 404
R. E. K., 736
Pencharz, N., 914
Pender, J., 1250
J. T., 517
Pendharkar, P. N., 1017
Pendse, G. D., 1018
Penfield, W. G., 613
Penfold, B. R., 834
Pengelly, C. D. R., 50
Penhale, H. E. M., 555
Penington, G. A., 779
Penman, G. G., 283, 292
Penn, R., 910
R., B.P.E., 573

Pennell, V. C., 80
Pennıman, T K , 344, 384
Pennington, D. H., 313
M. C , 580
R., 603
Penny, H. H., 757
L. F , 446
Pennycuick, S. W , 756
Penrose, J H , 52
L. S , 240
Penson, L. M , 164, 192, 197, 1232
Penston, N. L , 251
Pentland, B., 572
M. C , 631
Pentony, P., 818, 822
Pentz, D. G , 584
M. J., 203
Pepin, J. R., 647
Pepper, D. C , 1234
J. M , 689
W. F , 723
Pequegnat, L. A., 719
Percival, A L., 71, 78
E., 834
E. G V , 482
E S , 613
G. H , 489, 493
M. S , 425
R C., 265
Percy, D , 198
Lord Eustace, 97, 107, 120, 868
Percy-Dove, Mme J., 792
Pereira, E O E , 1054
Peren, G. S., 850
Perera, H. M. P., 1054
Perham, M. F., 373, 1110, 1232
Peristiany, J. G., 95, 345
Perkins, C. H., 834
F. A., 787, 790
F. T., 317
G , 283, 284
W. H., 812
Perman, R. C. D., 347, 370
Perold, I. S., 902
R. P., 902
Perrault, C., 591
E. G., 575
J., 647
Hon. J. E., 651
Perrett, G. B., 82
Perrier, Abbé A., 651
Perrin, M. B., 637
Perron, E., 597 599
J. E., 599
Rev. L., 662, 663
Perrott, I. B., 128
J. W., 113, 116, 409
Perry, A., 665
A., M.B., 830
A. C., 265
C. B., 49, 55
J. H., 249
K. M. A., 264
S. H. H., 411
S. V., 84
W. F., 635
W. J., 331
Pershad, B , 1022
Peryman, R. V., 138
Peshkar, K V., 1017
Peskett, J. M , 518
Petch, G. A , 109
N J , 135, 136
Peterkin, G A G., 493
Peters, A. T , 136
L , 138
R A , 345, 367
R. S., 196
Peterson, H , 625
J M , 428
R F , 635
V R , 801
Pethe, J G , 957
Pethica, B A , 32
Petit, G , 599
Petitclerc, J. L , 599
Petrie, A A. W., 257
J G , 615
J. R., 658
P A., 720
W , 691
Petrin, Rev. J. C., 667
Petrovskaia, B , 193
Pett, D W , 862
Petticrew, M., 1095
Pettit, D. W., 619
J. H , 723
Pettoello, D. E. S., 67
Petty, H., 134
Peverley, A , 617
Pevsner, N B. L , 61, 196
Pfeiffer, R. C. F O , 346
Pflaum, K. B , 841
Phatak, N R., 957
S N., 1019
Phear, H W , 71, 77
Pheasant, J. M., 185
Phelan, A. H., 58
Phelps, A. L., 605
W., 360
Phemister, T. C., 471
Phibbs, E., 552
Philbert, Rev Bro., 326
Philip, Rev. F., 495
G , 508
Bro. R., 680
U., 112
Philipp, F. A., 773
J. M., 774
Philips, C. H., 232, 234
Philipson, G. N., 112
Phillips, A., 217
Mrs. B. S., 698
C. E., 720
C. G., 351, 367
C. S. G., 364
D. G., 52
D. H., 333
D. J., 126, 141
D. W., 786
E., 202
E., LL.B., 758
E. D., 532
E. G., 369
E. G., M.Sc., 422
E. M., 416
F. C., 46
Phillips, Rev. G., 322
I W., 506, 507
J. B., 609
J. E., 813
J. H., 164
J R , 496
J. R. E., 418
Ll , 418
M , 58
M E , 333
N., 835
O. H , 26, 36
Mrs O H , 24
P , 50
P. D., 777
R , 102
R , M Sc., 417
R. D , 720
R. E , 554
T O , 851
W , 437
W E , 701
W E , D Sc , 873
W J , 145
W J., Canada, 568
W P , 435
Phillipson, Mrs H , 449
Philo, G C. G , 369
Philomena, Sr , 1002
Philp, B B , 373
H F , 711
Philpott, M. G , 402
N W , 613
S J F , 244
Picard, S., 591
Piché, L , 645
P., 662
Pichette, H., 598
Pick, B , 817
I. B., 54
R., 116
R., Ph.D., 186
Pickard, C., 123, 134
Mrs. D. C., 900
G. L., 573
Pickard-Cambridge, W. A , 369
Pickbourne, H., 333
Picken, L. E. R , 70, 78
R. M. F., 435, 439
Pickering, A. L., 758
E. N , 324
F. P., 399
G. W., 280, 833, 868
J. W , 212
Pickford, C. E., 446
M., 487
R. W., 507
Pickles, A. M , 325
V. R., 115
W., 217
Pickthorn, K. W. M., 66, 76
Pickup, E., 157
J. D., 132
Picton, A., 148
J. G., 23, 43
Piddington, M., 792
R. O., 839
Pidduck, F. B., 360
Pidgeon, L. M., 712

Pienaar, B. P., 914
E. C., 905
Rev. H. J., 899
J. A., 912
P. de V., 909, 910
Pierce, A. H., 460
E. T., 62
F. W., 400
G. O., 427, 428
M., 993
Rev. R. J., 634, 638
T. J., 416
Piercy, N. A. V., 221
Pietersen, J., 913, 914
Pigeon, Rev. I., 661
L. P., 595, 596
Rev. L. P., 668, 669
Piggot, J., 534
Piggott, L. S., 311
M., 242
P., 427
S., 482
Pigou, A. C., 78
Pijper, A., 886
Pike, D. H., 758
Pilcher, D. E., 918
R. S., 287
Pilditch, Sir P., 212
Pilgrim, R. L. C., 834
Pillai, A. R., 1001
Mrs. B. P., 973
K. K., 999
M. K. G., 1045
N. G., 1043
T. S. S., 999
V. K. A., 999
V. N., 1044
Pilliner, A. E. G., 484
Pillsbury, R. W., 566
Pilon, H. J., 649
L., 667
Pim, J. R., 442
Pimparkar, G. P., 1016
Pimplikar, E. D., 1015
Pinault, Abbé L., 651
Pinchbeck, I., 193
M., 626
Pinckney, C. P., 279
Pincock, T. A., 636
Pincott, M. N., 54
Pineau, Rev. J. W., 682
M. A., 590
Pinfold, H. C., 907
Pinheiro, N., 130
Pink, R. C., 532
Pinkard, F. W., 23
Pinkerton, H. H., 509
Pinkham, V. H., 303
Pinl, M., 1064
Pinoteau, H. J., 312
Pinsent, A., 416
Pinson, K. B., 316
Pinto, C. F. X., 1057
Father S. I., 1055
V. de S., 334
V. de S., Jr., 188
Piper, C. S., 761
F. E., 758
H. W., 757
S. H., 47
Pippard, A. B., 69, 75
A. J. S., 200
J. S., 76
Pirenne, M. H. L., 473
Pires, E. A., 975
Pirie, Mrs. A., 354
Pisharoty, K. N., 1048
Pistorius, P. V., 880
Pitcher, W. S., 201
Pithawala, H. R., 955
Pithawalla, M. B., 1075
Pither, L. M., 141
Pitman, E. J. G., 813
Pitt, C. C., 720
D. G., 643
F. W. C., 47
H. G., 369
H. R., 336
V., 426
Pittman, R. W., 195
Plackett, R. L., 149
Plamenatz, J. P., 351, 357, 362
Plamondon, M., 591
Plant, Sir A., 215
M., 218
M. S. C., 71
S. G. P., 345
W., 54
Plaskett, H. H., 345, 364
Platnauer, M., 348, 358, 362
Platt, B. S., 299
G. H., 208
Sir H., 308, 320
J. I., 416
R., 317
Pleasance, R. E., 404
Please, N. W., 244
O. A., 459
S., 146
Pledger, H. C. G., 913
Plessis, H. de, 896
Pletts, J. W., 757
Pleva, E. G., 736
Plewes, A. C., 672
Ploeser, J. M., 828
Plomley, N. J. B., 796
Plowman, E., 1026
Plucknett, T. F. T., 217
Plumb, A., 339
J. H., 66, 75
Plumer, Hon. E. M., 373
R. F., 583
Plumley, J. M., 74
Plummer, M., 136
N. S., 256
Plunkett, B. E., 195
Pochin, E. E., 286
Pocock, G., 85
J. A., 51
L. G., 834
Podestà, C. H., 1087
Podmore, D. A., 402
Poduval, R. N., 997
Poel, L. W., 520
Pohoryles, M., 610
Poirier, E., 647
R., 556
Poitras, Rev. A., 686, 687
P. E., 648
Polanyi, M., 316, 450, 476
Polding, J. B., 1098
Polglaze, M. J., 772
Poliquin, J. M., 663
Pollak, E., 319, 320
H., 871
H., Ph D., 817
Pollard, A., 136
A., B A., 311
A., Ph.D., 54
A. G., 199
Mrs. B., 193
F. H., 45
J. R. T., 420
M. J., 862
Pollett, W. E., 583
Pollock, H. S., 672
J. F., 869
Polson, C. J., 131
Polunin, N. V., 604
Polya, J. B., 812
Pomerleau, R., 591, 592
Pomfret, J., 573
Ponnaiya, A., 1009
Ponsford, L. G., 299
Ponsonby, G. J., 216, 218
Pont, D., 883
Ponting, F. W., 472
Ponton, Rev G., 686
Pool, A. G., 451, 453
E. M., 432
Poole, A. L., 366
G., 111
H. G., 238
J. H. J., 1236
W. H., 672, 674
Pope, A. H., 427
B., 568, 573
C., 453
J. A., 334, 409
S. C., 453
Popham, E. J., 316
H. E., 636
Popkin, J. E., 698
Poplai, S. L., 973
Popp, Z. G., 699
Popper, K. R., 217
Popperwell, S., 427
Popple, M. A., 791
Popplewell, J. W., 339
Porritt, A. E., 281
Porteous, A. J. D., 146
J. W., 554
J. W., Ph.D., 1103
Rev. N. W., 485, 495
Porter, A. M., 721
C. R., 25
D. C., 537
E., 592, 594
G., 63
H. K., 802
Mrs. H. K., 203
H. W., 492
J. C. H., 566
Rev. J. R., 365
J. W., 537
J. W. G., 394
S. W., 605
W. H., 1230
Portland, Duke of, 333

Portman, N. A., 442
Portway, D , 71, 81
Posel, M. M., 912
Posemann, Mrs. V., 880
Postan, M. M., 64, 66, 80
Postma, A., 893
F., 892
J. W., 901
Potdar, T., 1018
Potgieter, D. J J., 883
E. F., 891
F. J. M., 902
H , 877
J. T., 902
Pothan, E , 1026
Potter, C , 306, 307
C. J., 1093
G. J. R., 92, 386
G. R., 399, 409
H., 209, 211
H. H , 47
H. H., M.A , 699
H. S. A., 472
K. R., 483
M. F., 50
O. S., 801
S , 147
Potts, E. L. J , 111
L. J , 65, 81
R., 338
W. L. J., 137
Potvin, A. R., 597, 599
P., 593, 596
R., 594
Poulet, Rev. D , 668
G., 484
Poulin, G., 595
Poulnot, A., 594, 600, 602
E., 591
O., 594
Pound, A. W., 779
Pounder, E. R., 607
I. R., 707
Pounds, N. J. G., 85
Poupart, Rev. H., 661, 662, 663
Poussard, M. J., 65
Povey, K., 144
Powe, A. B., 798
Powell, C. F., 47, 342, 409, 1249
F. C., 67, 77
G. D., 436
H. K., 789
H. M., 350
I. B., 427
I. G., 225
J. K., 104
J. T., 896
P. H., 452
R., 241, 450
R. E., 622
T. G. E., 144
W. H., 426, 427
W. P., 861
Power, G., 336
H. M., 841
M., 1253
S. L., 1246
Powers, A., 665, 667
Powicke, M. R., 706
Powis, A., 125
G. J., 397
Poyser, G. H., 426
Poznanski, T., 595
Prabhu, M. N., 1003
Prabu, M. N., 1003
Prados y Such, M , 615
Prain, J. H., 526
Prakash, Mrs. N., 973
V , 974
V. G., 1026
Pralhad, S , 1017
Prasad, A., 973
B , D Sc , 1047
B., M.A , 1031
B , M Sc , 1029
B. G., 989
B. N., 1031
G , 937
H , 1030
I., 938
J., 1031
Jwala, 1019
K., 988, 991
M., 956
R. C., 1030
R. N , 1031
S P , 1030
T., 989
Prashad, J., 935
Prashar, S. C., 972
Prat, H , 645
Pratap, M., 1031
Pratapgiri, R., 955
Pratt, C. A., 198
C. L. G , 69, 75
E J., 704
J J , 784
R C., 653
Pratt-Yule, E. T., 871
Pratte, H., 666
Prawer, S. S., 26
Preece, A., 110
I. A., 495
Preidel, E. E., 201
Prendergast, H. B., 633
W. H , 1253
Prentice, A. R., 505
J. E., 209
J. H., 534
S. A., 788
Prescott, J. A., 761
J. C., 109
S. L., 780
Preshaw, A. S., 812
Pressley, M. E., 771
Pressnell, L. S., 441
Prest, A. R., 64
W., 772
Preston, A. W., 563
G. D., 524, 429
H., 1093
J. H., 72
J. M., 323
M. A., 45, 708
R. A., 730
R. D., 124
Rev. R. H., 322, 329
W. W., 553
Prestt, Mrs. B. M., 451
Prestwich, J. O., 349, 366
Mrs. M., 373
M. F., 871
Pretious, E. S., 568
Pretorius, M. H., 872
S. J., 899
W. J , 896
Prettejohn, E. J. T., 49
Pretty, H. G , 616
Prevost, Rev. P., 686
Y , 597
Prévost, G., 645
Price, A. G., 758, 762
A. J , 304
A. T., 201
C. H. G , 51
C. J. L., 416
Mrs. C. K , 371
D. J., 1083
F. V., 351, 362
G. B , 462
H. H., 349, 364, 423
H L., 128
J A , 536
M , 422
M. E. M., 1102
P. H., 401
P. S., 127
R. C , 773
R. M., 715
T., 502
T. W., 862
W. C., 209
Prider, R. T., 817
Pridie, K. H., 51
Priestley, A., 126
F. E. L., 704
Sir R., xxviii, 22, 342, 868, 1102, 1231, 1232
Prigmore, B. J , 200
Prime, F. J., 152
H. A., 152
Primrose, E. J., 452
J. B., 495
Prince, F. T., 459
L. A., 626
P. D. V., 79
Rev. S. H., 579, 588
Pring, J. T., 243
Pringle, A. K., 471
A. V., 537
G. E., 124
J. W. S., 70, 80
K. E., 258
R. W., 634
S., 1238
Prinsloo, L. A., 881
M. J. M., 878
Priolkar, G. S., 958
Prior, A. N., 836
L. E., 336
Canon W., 721
Prissick, F. H., 612
Pritchard, D. D., 420
E. A. B., 886
G. B., 258
H. V., 658
J. E., 614
J. J., 280

Pritchard, R. M., 1237
W. J., 138
Pritchett, E. D. G., 1102
Prizek, M. H. D., 569
Probert, J. F., 554
L., 427
Procter, E. E. S., 372
R., 556
Procter-Gregg, H., 314, 325
Proctor, N. S., 911
N. S. F., 918
R. E., 213
Rev. W. C. G., 1238
Prophet, A. S., 321
Prothero, R. M., 485, 1093
Protheroe, H. T., 402
Proudlove, J. A., 151
Proudman, J., 149
Proulx, M., 590
Provan, M., 518
Prowse, W. A., 103
Prudent, Bro., 558
Prudhoe, J., 484
Prue, J. E., 390
Prunty, F. T. G., 284
Pruthi, H. S., 975
Pruvost, Prof., 143
Pryce, D. M., 281
M. H. L., 351, 364
Pryce-Lewis, O., 861
Pryde, G. S., 505
J., 428
J. R., 222
Pryor, E. J., 202
M. G. M., 70, 84
W. M., 264
Puddy, M., 765
Puflett, R. D., 803
Pugh, J. C., 1093
M., 1093
R. B., 187
T. B., 459
W., 860
Pugsley, A. G., 48
A. T., 761
P. T. R., 609, 697
Pulford, E. B., 654
Pullar, E. M., 780
J. D., 487
Pullen, W. G., 152
Pulleyblank, E. G., 230
Pullin, A. D. E., 238
Pullinger, W. W., 568
Pulvertaft, R. J. V., 289
Pumphrey, R. J., 151
Punnett, R. C., 77
S. W., 458
Puntambekar, S. V., 1019
Puranik, G. A., 1014
P., 1024
Purcell, D. C., 61
P. F., 1245
V. W. W. S., 66
Purchase, W. B., 286
Purchon, R. D., 1083
Purdie, E., 186, 192, 194
Purdon, A. P., 486
Purdue, M. S., 723
Puri, A. N., 974
B. N., 991
Puri, K. K., 975
M. R., 973, 974
S., 975
V. P., 974
V. R., 975
Purmiah, K. V., 943
Purnell, J. H., 425
Purohit, K. J., 1017
Purser, A. O., 442
G. L., 469
J., 1235, 1240
J. W. R., 504
Pursey, H. J., 460
Purushotham, M., 941
Purushothama Naidu, B., 998
Purushottam, T. A., 1009
Purver, A. E., 130
Purves, C. B., 604
E., 193
Purvis, O. N., 203
Pusey, H. K., 352, 364, 369
Putnam, D. F., 705
Putt, S. G., 444
Puttappa, K. V., 1009
Puzey, H. C., 460
Pybus, A. E., 138
H. J., 86
Pye, D. R., 236
M. W., 45
N., 312
Pyke, L. R. D., 771
Pyle, J. H., 1108
M. A., 516
W. F., 1235
Pylee, L. M., 1001
M. V., 1029
Pym, D. O., 45
Pyne, F. F., 691
G. T., 1251
Pyper, J. B., 409
P., 535
Pyrah, L. N., 129, 134

Qadir, M. A., 1022
S. A., 1002
Qadri, M. A. H., 935
S. H. A., 1024
S. S., 1024
Qaiyum, M. A., 1022
Qanungo, K. R., 991
Qayamuddin, Q. M., 1015, 1020
Qayyum, A., 1069
Quarrell, A. G., 402
Quarrington, B. J., 710
Quasem, A., 1065
Quastel, J. H., 604
Quddus, M. A., 935
Quebec, Archbishop of, 563
Quenouille, M. H., 473
Quibell, T. H. H., 310
Quigley, F., 739
W. A. E., 557
Quilliam, J. P., 210
T. A., 212, 236
Quin, E. G., 1234, 1236, 1238
J. I., 889
Quincey, J. H., 798
Quinet, D. E., 34
Quinlan, F. M., 708
Quinlan, P. M., 1251
Quinn, D. B., 432
H. F., 699
K. F., 843
R. L., 790
Quintin, T. J., 613
Quinton, A. M., 357
J. H., 323
Quirk, C. R., 240
Quodling, F. M., 798
Quraishi, R. A., 998
Qureshi, K. H., 1024
R. T., 1024
Qutbuddin, Q., 1023
Qvist, G., 273

Raath, M. J., 862
Raban, J. P., 59
Rabbani, M., 1069
Rabie, J., 886
Rabin, C., 355
Rabinowitch, I. M., 612, 616
Rabinowitz, A., 912
L. I., 909
Rabkin, W., 864
Raby, F. J. E., 78
Racey, A. G., 616
Rachman, D., 517
Racine, Rev. C., 999
G., 598
Racker, D. C., 318
Radakrishna, G. N., 1010
Radcliff, J. R., 802
Radcliffe, G. R. Y., 364
J. A., 799
P. F., 68, 79
Radden, H. G., 816
Radel, F. E., 891
Radford, A., 337, 341
Mrs. A., 341
Radforth, N. W., 625
Radha, Mrs. R., 1000
Radhakrishnan, Sir S., 355, 357, 1038, 1050
Radhalakshmi, M., 948
Rado, R., 209
Radok, U., 775
Radomysler, A., 216
Radzinowicz, L., 72, 84
Rae, A. L., 851
D. M., 136
H. J., 476
J. J., 702
W. J., 692
Raeburn, J. R., 216
Rafael, Rev. R., 957
Rafiuddin, S., 1015, 1020
Raghavachari, C., 1003
V., 1019
Raghavacharyula, D. V. K., 940
M., 943
Raghavacharyulu, M. V., 942
Raghavan, V., 998
Raghavendra Rao, V., 1009
Raghavendrachar, H. N., 1009
Raghunatha Rao, G. S., 1010
Raghunatham, S., 1025
Raghuvanshi, B. D., 1016
N. S., 988

Raghvan, K. S., 1025
Rahaman, C. H., 935
Rahgava Rao, Bh S. V., 941
Rahim, M. A., 1063, 1064
S. A., 1063
Rahman, A., 1022
F., 1031
H., 933
H., LL.B., 934
H., M Sc, 1063
H. B., 994
K., 1022
K, M.A, 1063
M, 1065
S A, 1024, 1027
Rahudkar, W. B, 1015
Rai, G, 973
J., 979
K M, 1003
R. N, 974
Raichaudhury, M, 1048
Raikes, H R., xxix, 907
P. M., 1091
Raina, S P., 972
Rainbow, C., 27
Rainer, A. C. A, 111
E. H, 49
Raines, R., 448
Rainnie, G. F., 125
Rains, A. J., 33
Rainstrick, A, 110
H., 299
Raithby, G E, 722, 724
Raitt, W. J., 475
Raj, H, 989
Mrs. H, 971
N. B., 1002
S, 1019
Raja, A. S. T, 1026
C K, 998
Rajabather, K, 998
Rajadhyaksha, M. V, 956
Rajagopalan, A., 1019
C., 942
N, 949
S, 941
S., Madras, 1003
Rajakrishna Menon, P. N., 949
Rajalakshman, D V, 997
Rajam, Rev. J. B, 1000
R. V., 1003
Rajamani, R., 1000
Rajan, S., 926
Rajaram, C., 949
Rajasingham, A. S, 1058
Rajasooriya, G P. D, 1056
Raje, S., 1017
Rajeswaran, C. D., 999
Rajeswari, E. T., 1003
Rajgopal, P. V., 1025
Rajguru, R. C., 1049
Rajkhowa, S., 984
Raju, C. P., 1004
P. T., 941, 1038
W. J. P., 1010
Rajurkar, I., 1026
Rake, A., 252
Rakus, A., 661
Ralf, E., 765
Rall, W., 831
Rallis, C J., 911
Ralph, A. S., 643
J. D., 735
P. M, 845
Ram, D. R., 973, 975
L. M., 1084
M, 972
M, Ph.D., 974
R, 979
Sadhu, 975
Sant, 974
Sri, 979
T., 973
Tirath, 987
V. S., 992
W, 979
Ram Rao, A S, 1025
Rama Krishna Rao, V, 941
Rama Rao, B. S., 941
K. G, 1040, 1041
M. V, 949
S. L, 1008
Ramachandra, S, 1043
Ramachandra Rao, H. N., 1052
L, 941
P, D Sc., 942
P., M.Sc., 942
S, 1009
Ramachandran, 973
A. S, 1003
E G, 1052
G. K, 999
G. N, 1052
M. R, 948
P C, 998
S, 1001
Ramachandriah, O, 941
Ramachar, T. L., 1051
Ramage, D., 115
D. G., 101
Ramakrishna Ayyar, V G., 947
Ramakrishna Rao, A., 940
A K., 1010
Ramakrishna Sastry, S., 998
Ramakrishnan, K, 997
Ramakrishnayya, K., 1006
Ramakrishniah, D., 984
Ramamorti, K. S., 941
Ramamurti, C., 949
K., 1000
M. U. B., 940
T N., 1000
Mrs. T. N., 1000
Raman, Sir C. V., 941, 1046
K. N., 1017
S V., 942
Raman Nayar, M., 990
Ramanadham, V. V., 940
Ramanathan, A, 999
K., 949
K. G., 1052
P. S., 1019
S., 1010
Ramanathan Chettiar, L. P. Kr., 948
Ramanujachari, G., 1004
Ramanujachariar, R., 948
Ramanujam, V. S., 999
V. V, 947
Ramasastry, C, 942
Ramaswami, A., 947, 948
G. S., 949
K. C, 999
P., 947
Ramaswami Sastri, V. A., 1042
Ramaswamy, K. R., 1020
P., 944
S., 1009
V., 941
Ramaswamy Iyengar, H., 1008
Ramaya, S. V., 1048
Rambo, C, 1004
Ramchandra Rao, A., 990
Ramesan, T, 1009
Ramm, A, 192
C A, 28
Rampur, Nawab of, 912
Ramsay, F, 474
G. A, 738
G D, 349, 369
H, 833
I. E. St. C, 79
J. A, 70, 81
R M, 636
W. N M, 483
W N. W, 516
Ramsbottom, F V. H, 75
Ramsden, B. M., 780
D C, 135
W. S., 972
Ramsey, Canon A. M, 64
A. S, 79
G A. S, 614
Canon I. T., 64, 74, 75
M. P, 699
Ranade, S B, 957
Randall, B A, 110
D. H, 404
J., 817
J T, 209
R F. Y, 400
R J, 870
Randell, J. B., 257
Randhawa, G. S., 975
Randive, R. B. S. D., 1018
Randles, J. E. B., 23
Ranga Iyengar, S, 1009
Ranga Swami Iyengar, G. N., 942
Rangachar, C, 1007, 1008
Rangacharlu, L., 1000
Rangadhama Rao, K, 940
Ranganathan, S. R., 973
V R., 1004
Ranganna, S. V., 1008
Rangarajan, T., 947
Rangaswami Ayyangar, K., 947
Rangaswami Ayyar, K., 948
Rangaswamy, A., 1010
S., 942
Ranjan, C. R., 974
S, 937
Ranjanam, L., 1023
Rankeillour, Lord, 389

Ranken, M., 114
Rankin, A., 148
A. G., 701
J. J., 1099
J. S., 518
K. R , 486
M. T., 483
Rev. O. S., 483
R. A., 67, 75
R. J., 588
Rankine, C. S., 512
Rannie, I , 114
Ransome, G. A , 1083
M., 26
Ranson, S. L , 108
Ranta, L. E., 566, 572
Rao, A. S., 1026
A. V., 990
A. V , M.Sc , 1024
A. V. G., 1027
B., 1004
C. B., 999
C. K. P., 1003
C. V., 1004
D. H., 1022
D. K., 972
D K. B., 1023
D. R. K., 1024
E. S. R., 1022
G , 1023
G., Madras, 1003
G. C. V. S , 1003
G. D., 1047
G. H., 1007
H. S., 1002
I. K. R , 957
J., 1024
J. C K., 1025
K., 1023
K. N., 1000
K. R , 1024
K. R., D.Sc., 941
K. S , 956
K. S., Utkal, 1047
K S. R , 1001
K V., 1047
K. V., Madras, 1003
K. V. K., 1047
K. V. S., 942
Mrs. L., 1017
L. N., 1009
M , LL.B , 1026
M., M Sc , 1026
M. P., 942
M. P , M.A., 1025
M. V. K., 1045
N , 1022
N. R., 1025
P., 1023
P. J. S., 999
P. M., 1017
P. S., 942
P. S., B.E., 1024
P. V., M.B., 1003
P. V. L. N., 1048
R., 1025
R., M.A., 1023
R., M.Sc., 1025
R. R., 1049
R. V., 1025
Rao, S., 1025
S. K., 1025
S. N , 1025
S. R. N., 989
T. S. S., 942
V., 973
V. D., 957
V. K. R. V., 972, 976
V. S , 942
V. Y., 1024
Rapaport, B., 45
Raper, F. P., 134
H. S., 315, 327, 331, 494
R , 108
Raphael, D. D , 506
R A , 503
Mrs. W., 217
Rappaport, S., 909
Rasal, V. B., 1015
Rasheed, A., 996
G. D , 1025
M. A , 1024
Rashid, S. A , 934
Rasmussen, B. H., 452
Rasool, G , 949
M., 1027
P. G , 987
Rastall, R , 404
Rastogi, R S , 990
Rastrick, R. J W., 836
Ratcliff, Rev. E. C., 64
G , 431
Ratcliffe, A. H., 320
J. A., 68, 83
Rath, B. N., 1048
G C , 1047
J , 1048
P., 1048
T., 1048
Rathbone, R. A., 71
Rathgeber, H. D., 775
Ratnam, R., 1023
S., 971
Ratnasuriya, Mrs. D. B. V., 1056
M. D., 1056, 1058, 1059
Rattan, V , 973
Rattenbury, R. M., 63, 83
Rattray, G., 518
Ratz, A. G., 711
R. E., 720
Rau, V , 973
Rautenbach, C. H., 879
Ravden, M., 220
Raven, Rev. C. E., 342, 494
Rev. E. E., 81
E. J. P., 470
J. E., 63, 79
Ravenhill, W. L. D., 441, 443
Ravenscroft, A , 900
Raventós, M. H., 316
Rawat, R. R., 1015
Rawcliffe, G. H., 48, 55
Rawle, R. M., 804
Rawlings, G., 244
H., 207
Rawlins, E. A., 319
G. A., 30
Rawlinson, E., 321
H. E., 349
Rawlinson, W. A., 771
Rawson, Mrs. D. O., 213
D. S , 689
J T., 392
R. R., 216
Rawstron, E. M., 335
Ray, B N., 1065
G. D , 1064
H. C., 1055
L. J., 770
M., 1063
M. N., 1048
M. V., 704
N. C , 962
N. C., Delhi, 972
N. R., 1065
N. R., D.Litt., 962
P. C., 1048
P. C , M.Com., 1049
P. C. S., 1049
P. N., 458
P. R., 962
S., 1048
S. N., 1064
Rayachowdhury, S. K., 1047
Raybould, E. H., 789
S. G., 138, 141
Raychaudhuri, H. C., 963
Rayfield, H., 409
Raymond, Hon. A., 645
L. C , 618
L. P , 649
W. O., 563
Raymont, J. E. G., 460
Raymore, W. G., 712
Rayne, R. N., 456
Rayner, A. A., 872
D. H., 127
G. H., 404
J. G., 692
Raynor, G. V., 27, 42
Rayski-Kietlicz, K., 547
Razdan, R., 975
Razvi, H., 1026
H. A., 1025
S. A. H., 1023
Razzaq, A., 1065
Rea, G. W., 689
Read, C., 42
C. D., 34
D. B., 150
D. H. C., 494
E. C., 450
F., 571
H. C., 581
H. E., 585
H. H., 201, 205
J., 454, 521
J. L., 1107
L. M., 698
M. H., 184
Mrs. R., 574
S. E., 569
T. T., 135
Reading, P. V., 259
Reagan, F. P., 22, 34
Reaman, G. E., 723, 724
Reaney, J. C., 632
Reardon, C. H., 583
Reavely, G. H., 736

Reavey, G., 730
Reay, G. A., 471
Rebelo, L. de S., 148
Record, R. G., 33
Reddaway, T. F., 241
W. B., 64, 75
W. F., 95
Reddi, G. S., 940
K. R., 1002
Reddy, B. R. R , 1010
C. R., 1007
P., 1024
P. V. R., 1024
R. D , 1000
Redfern, Dr., 162
Redfield, R., 220
Redford, A., 310, 313
Redman, E. G., 58
H. V., 390
R. O , 62, 82, 92
Redmond, F. A , 1079, 1080
Redshaw, S C., 25
Reece, D. W., 450, 470
Reed, C D , 151
C. E., 447
G. B., 675
G E , 615
G. W., 551
R., 124
R. I., 503
R. W., 582
Reeds, L. G., 625
Reek, W. R , 721
Rees, A. D , 418
A. M. M., 418
A. W , 871
B., 422
Mrs. B. M , 213
B. R., 416
D., 67
D A., 422
D. G., 26
D. T. A., 427
Sir F , 342, 411, 430
F. G , 417
G , 432
Rev. G., 411
G. J., 152
G. L., 431
G. O., 147
J. C , 451
J. M , 420
J. W., 316
L., 797
M. R , 391
P. O., 336
Mrs. R., 426
R. E., 690
W., 427
W. J., 23
W. J., B.A., 417
W. S., 22
Rees-Jones, S., 179
Rees-Wright, W., 643
Reesor, G. E., 709
Reeve, L. D., 121
P. S. C., 458
Reeves, H. G., 275
J. W., 193
M. E., 349, 373
Regan, L. W. A., 307
Rege, P. S., 958
Regis, Sr. M., 656
Régis, T. R. P., L. M., 646
Rehman, K A., 1073
Reich, V., 1055
Reid, A. J., 816
A. M., 154
A. N., 690
A N., Toronto, 709
D. B. W., 707, 717
D. D., 299
D. S , 103
F. P., 912
G., 776
H., 155
Mrs H., 193
I. G., 396
J , 510
J. C., 840
J. E., 711
J. L., 114
J. M., 506
J. M., S.A., 895
J. W., 581
K. S., 111
L. A , 184
N. L., 554
R. D., 487
R. G., 319
R. G., Canada, 616
R. T. W., 759
S. F , 779
T B. W , 315, 327
W J. S , 321
W. S., 606
Reilly, C. A , 578
E. E , 736
J., 1250
P. M. A., 391
Reim, E. P., 873
Reimann, A. L., 789
Reimers, J. H. W., 902
Reinecke, O S. H., 903
Reiss, H. S., 217
Reith, W. S., 125
Reitsma, A., 877
Reitz, H., 913
Mrs. H. K., 900
J. H. B., 876
Remnant, P., 573
S. J., 571
Rempel, J. G., 689
Renaud, Rev. E., 661, 664
J. A., 648
Rendell, E. J., 427
Rendell-Baker, L., 436
Rendle-Short, A. M., 435
Renier, G. J., 238
Renney, A., 566
Rennie, A. M., 476
B. C., 758
E. J. C., 773
H. M., 809
J. B., 510
J. V. L., 896
J. W. R., 637
R. A., 690
W., 502
W. O., 849
Rennison, G. A., 776
Renou, L., 961, 1046
Renouf, L. P. W., 1251
Renouvin, P., 389
Rentiers, P., 554
Rentoul, E , 509
Renwick, C. C., 797
J. H., 50
W., 67
W. L., 484
Reporter, R., 1026
S , 1024
Reside, S. M. M., 484
Restall, F. P., 495
Restler, J. D K., 212
Retief, F. P. le R., 878
P J. M , 885
Reuter, G. E. H., 314
Reveri, C. L , 972
Revill, J. K., 569
Rex, J. A., 138
Reyburn, H , 862
Reye, R. D K., 804
Reyna, L. J , 918
Reynolds, A B., 46
B , 67
B A , 851
Mrs. C. E. M., 448
E , 25
G F., 42
J. H., 818
J. M., 108
J. P., 146
P. A , 217, 417
S. H , 59
T. N., 400
Reynoldson, T. B , 422
Rhaney, K , 490
Rhee, H A , 353
Rhees, R., 432
Rheinallt-Jones, J. D., 908
Rhinewine, S. E., 719
Rhoden, H. G., 71, 82
Rhodenizer, V. B., 546
Rhoderick, E. H., 506
Rhodes, A. J., 717
E., 704
E. C., 218
F. W. W., 809
H. W., 835
P., 129
Ribbons, B. W., 503
Ribeiro, W., 988
Riberio, L., 975
Ricard, A., 648
Rice, Rev. C. H., 1071, 1073
D. S., 232
D. T., 482
H. V., 552
J. D., 760
R. G., 582
T. M., 758
W. B., 610
Rice-Oxley, L., 365, 370
Rich, C. B., 555
E. E., 66, 81
Richard, A., 666
A., D.Ph., 591, 593
A. L., 665, 667
H. L., 549, 557

Richard, L. A , 593
M. E. J., 632
P., 598
Richards, C. S., 908
D., 43
D. A , 417
D. B., 436
E. J , 458
F. J., 203
F J., M A., 229, 237
G. E., 730
G M., 145
G. O., 138
I. A., 79
J. C. S., 472
J. R., 777
L. A. W., 818
M., 851
M , B Sc., 425
O. W., 203
P. G , 457
P. W , 95, 420
R., 475
R. E., 362
R S., 634
T., 392
T , D Litt , 412, 422
T. G., 150
W. L., 474
Richardson, A. D , 616
A. E., 237
A. E. V., 766, 785
A. V , 563
B., 817
C. S , 611
E. G., 111, 237
F D., 202
G. P., 512
G. W., 127
H. O. W., 486
J , 829
J. A., 108
J. B., 202
J. E., 305
J. E., M.A., 398
J. F., 199
J. H., 125
J. S., 283
K. C., 236
K. J., 671
K. S., 803
L. J. D., 412, 425
L. R., 845
M. M., 333, 444
P. P., 338
R. W., 637
S. G., 137
S. H., 757
W. A., 335
Richdale, L. E., 830
Richenberg, L. J., 362
Riches, D. M., 680
E. W., 268
J. P. R., 62, 75
Richey, J. E., 522
Richie, D. C., 555
Richmond, A. H., 150
I. A., 98, 108, 356
N. M., 776
O. L., 342
Richmond, R., 708
W. O., 568
Richter, D., 436
J., 579
Rickard, P , 367
T. A., 205
Rickards, C. E. B., 318
Rickford, R. B. K., 283
Rickman, H. P., 448
Ricks, E. M., 458
Rickwood, F. K., 798
Riddehough, G. B , 567
Riddell, Rev. J. G., 503
R. T , 722
S. S., 617
V H., 279
W. A., 693
W. A., LL.D., 709
W. F , 632
W. J. B., 509
Riddet, W , 850
Riddiford, A C., 420
Riddolls, A. W., 847
Ride, L. T., xxx, 1078, 1080
Rideal, E. K., 207
Ridehalgh, F., 132
Rideout, E. B , 720
J K., 808, 809, 1081
Ridgman, W. J., 71
Ridler, A. V., 111
Ridley, Visct., 107
M. R., 194
N. H. L., 283, 292
R. W., 115
Ridout, E. S. F., 307
G., 718
J. H., 714
Riedel, B. E., 556
Riese, L., 705
Rigault, A. A., 608
Rigby, C. M., 242
G. J., 319
W., 195
Rigg, S. K., 52
Riggs, D. A., 723, 724
Rigney, H. A., 553
T. J., 675
Riley, C. F., 112
C. W., 722
D. W., 409
E. C., 1237
F. T., 1245
J. D., 123
J. P., 146
W. A., 441
Rillie, J. A. M., 504
Rimington, C., 286
Rinfret, M., 646
Ring, G. L., 841
Mrs. M. E., 1081
Y., 634
Ringrose, E. C. D., 788, 791
Rink, E. H., 258
Riopel, P. E., 649
Riopelle, J. L., 645
Riordan, J. B., 687
M. J., 1251
Riordon, P. H., 659
Ripa, O., 138
Rishbeth, J., 62
Risi, J., 591
Ritcey, L. F. S., 630
Ritchie, A. C., 503
A. D., 486
A. E., 524
D. J. B., 520
E., 797
F. L., 803
G. S., 527
J., 835
J., D.Sc., 486
J. D., 458
J. J., 635
J. M., 481
J. R., 830
M., 482
P. D., 516
R. A., 580
R. L. G., 441
T , 237
Ritson, F. J. U., 109
J. A. S., 202
Rittenhouse, C., 605
Rivard, A., 597
J. G., 663
J. H., 648
Rive, T. N., 841
Rix, R. E., 258
Rizvi, S. M., 934
S. M. H., 991, 993
Roach, W. A., 306
Roaf, D., 350, 359
R., 155
Roark, B A., 761
Rob, C. G., 284
Robarts, F. H., 493
Robb, A. M , 506
C. A , 610
G. A., 713
H , 737
J., 850
J. P , 613
R. A., 505
W. M., 810
Robb-Smith, A. H. T., 354
Robbertse, W. P., 893
Robbins, A. R., 352
J. E., 664
L. C., 179, 216
W , 569
Robblee, A. R., 553
Robert, G., 592
J., 667
P., 594
Roberts, A., 324
A., M.Sc., 336
A. I. N., 1235, 1236
A. L., 135, 136
Rev. B., 421
B. C., 218
B. C., Wales, 436
B. H., 418
C. G., 773
C. H., 350, 366
C. H., Exeter, 441
C. W., 460
C. W., B.Sc. (Agric.), 523
Rev. D. P., 412
D. T., 674
D. W., 61

Roberts, Rev. E., 412
E. J , 228
E. J , M.Sc., 422
E. M , 722
E. P., 422
E R., 199
E. W , Canada, 659
F. C., 80
G , 421
G B S., 510
G. F , 73
Sir G. F , 415
G. H., 537
G L., 404
H , 198
Rev H , 254
H. M , 418
I., 319
I E , 451
J , 482
J. A , 300
J. A. F., 49
J. B , 153
J C , 333
J. E , 268
J I , 29
J. S , 706
K. V , 79
Ll., 409
M., 896
Mrs. N., 112
N. W , 155
O. M., 1250
P E , 389
R. A., 422
R O., 431
R W., 149
S. C., xxviii, 60
S H., xxix, 796
T. D. M., 508
T. J , 448
Robertson, A , 58
A , F.R.I C , 495
A , F.R S., 144, 145, 342
A., M.A., 86
A C., 722
A. E., 512
A. G., 522
A. J , 471
C J., 485
C. K., 492
C. M., 237
D., 476
D., M.B., 481
D. F , 790
D. H., 64, 84
D. J , 507
D. S., 83
Mrs. E., 1099
E. L., 761
E. M., 675
G. B , 580
G. H., 482
H. G., 703
H. M., 861
J., 503
J. D., 477
J. D., Ph.D., 508
J. G. M., 511
J. H., 511
Robertson, J. K., 674
J. M , 845
J M., D.Sc., 503
J S., 758
Sir M. A., 81
M. F., 337
N. F , 62
P. W , 846
R., 1078
R , M Sc., 604
R. G., 343, 864
R. N M., 528
R R , 572
S A , 306
W., 146, 150
Robichaud, J P., 687
P A , 648
Robillard, E., 646, 649
Abbé H , 646
Robin, G. de Q , 28
R. C , 757
Robins, A., 915
B., 864
J. D., 704, 733
R , 837
Sir R. E , 1097
R. H., 231
Robinson, A., 212
A. D., 631
A E , 117
A. H., 798
A. H. W., 222
A. J , 757
B. B , 625
B J , 779
C , 575
C W., 546
D. A. F., 707
D B , 553
D. R., 692
D T., 152
Mrs E , 124
E. A G , 64, 83
E. H., 208
E. M., 884
E S G., 350
E. V., 789
F., 109
F. D., 71
F. G., 44
F. W., 569
F. W., Ph.D., 788
G. de B., 707
G. S., 851
G. W., 423
G. W. S., 458
H. G., 338
H. H., 51
H. R., 222
H. Y., 111
J. L., 323
J. L., Ph.D., 570
J. R., 72, 77
Mrs. J. V., 64
K. E., 346, 374
K. L., 534
L. G., 217
L. R. B., 1099
M., 128
P. L., 108
Robinson, Sir R., 345, 362
R. A., 1082
R. B., 801
R. E , 82
R. G. F., 350, 365
R. H. O. B , 284
S , 675
S. C , 663
Rev. W , 29
Rev W. G , 322, 329
W. L., 713, 715
Robra, H., 901
Robson, C A , 347
D. A , 110
D. O , 703
E., 313
E. A. D., 522
H. E., 113
H. N., 490
Rev. J., 316
J. D , 484
J. M., 259
K , 278
P , 244
S , 112
T O., 475
W , 210
W. A., 217
W. F., 138
W J., 693
W. W., 362, 366
Robson-Scott, W. D., 196
Roche, A F , 770
Rev. E. J , 682
L. P., 1246
M A., 1252
P , 1094
Rochester, G D , 315
Rochette, R , 595
Rochon, J , 649
Rock, J , 680
Rocke, G , 517
Rockey, K. C , 431
Rodda, R. A , 831
Roderick, J. W., 72
Rodewald, C A , 313
Rodger, A., 196
A. B., 349, 358
F. C., 115
G. B. B., 505
T. F., 511
W. G., 843
Rodgers, A. B. L., 313
B. N., 313
H. B , 312
H. W., 536, 541
Rodman, F. S. B., 557
Rodrigo, J. L. C., 1054
Rodrigues, G., 1102
Rodwell, H. R., 840
Rodys, W., 667
Roe, F. C., 471
J. W., 404
Roediger, L. E., 900
Roger, J. P., 599
R., 521
Rogers, A. F., 48
C. A., 242
C. A., M.A., 84
Rev. C. F., 212

Rogers, D., 428
E., 423
F. H., 828
G. F. C., 48
G. L , 524
H. J., 123, 136
J., 421
J., M.B , 525
J., M.Sc , 830
J. E., 115
J. L , 836
J. S , 780
K. B., 32
L., 436
L. J., 702
P. L., 773
W. S., 307
W. S., Canada, 705
Rogerson, E H , 104
Rogosinski, W. W , 110
Rohl, F. K., 312
Rohtagi, A. B , 973
Rohwer, E F C H., 899
Roitt, I M., 131
Roland, Fr., 596
Rolinson, J. G , 334
Rolland, C. F , 491
R , 570
Rollin, B. V , 350
Rollinson, E , 731
Rollit, J. B., 622, 631, 637
Rollo, W., 861
Romanes, G. J , 481
Romanis, W. H. C., 284
Romer, T , 608
Rondeau, M., 596
Ronimois, H. E., 567, 574
Roode, D. J , 877
Rooff, M. M., 193
Rook, Sir A. F , 87
Rooke, B. E., 704
Room, T. G., 799
Rooney, R. A , 557
Roots, I. A., 427
Roper, Justice E. D , 796
F. A , 836
G , 569
G H , 704
J. A., 504
J. I , 405
M. E , 781
Roper-Hall, H. T , 34
Roppen, G. S., 111
Roques, F. W., 292
Rorke, J., 517
Rosaria, Sr. M., 585, 656
Roscoe, K. H., 71, 77
M. H., 318
M. V., 603, 604
R., 111
Rose, A., 324
A., Ph.D., 719
A. J., 835
B., 673
B., M.D., 612
B. T., 33
B. W. G., 366
C., 571
D. J., 319
F., 191
Rose, H. E., 208
H. J., 521, 527
H. L., 870
J. D., 116
J. N., 460
N. N., 477
S., 472
T. A , 799
T. F., 805
W., 217
W J., 574
W McI., 779
Rosé, A., 737
Rosen, L. J , 616
Rosenbaum, E., 218
J. J , 614
L. B., 196
Rosenberg, H , 228
R. L., 307, 875
W., 835
Rosenblatt, W., 866
Rosenblum, S., 162
Rosenbusch, H., 134
Rosenfeld, L., 315
Rosenhead, L., 149
Rosenheim, M. L., 286
Rosentengel, B. L., 791
Rosenthal, E. I. J., 74
N. H , 780, 784
Rosenthall, E., 607
Rosevear, R. A., 718
Roskell, J. S., 313
Ross, A., 829
A., M.D., 614, 616
A. C M., 705
A. D., 818
A. D., M.A., 608
A D , Ph.D., 208, 211
A. I., 49
A. O. F., 153
A. S., 604
A. S. C., 25, 42
C. C., 738
C. D , 46
C. N., 788
D. E., 615
D. J. A., 196
D. M., 245
D. M., M B , 803
D. N., 134
E. F., 583
E. L., 636
G. F., 801
H., 53
H. A., 436
H. B., 582
H. G., 612
H. U., 712
I. G., 808
I. G. T., 441, 443
J. A., 154
J. A., M.B., 492
J. C., 155
J. D. M B., 521
J. G., 239
J. H., 135
J. H., D.Sc., 604
J. M. A., 817
Sir J. P., 276
J. W., 716
Ross, M. A. S., 486
M. M., 632
N. S., 427
O. J., 571
R., 440
Roy, 547
S. G , 614
S. M., 677
V., 611, 620
W. B., 603, 607
Sir W. D., 1234
Ross-White, T. F., 460
Rossaert, F. E. N., 698
Rossback, F. B., 801
Rosse, Earl of, 1233
Rosser, E. M., 195
Rossi, M. M , 485
Rossignol, J. C , 666, 667
Rev. R., 686, 687
Rossiter, A , 791
A. P., 65, 78
G. G , 817
H., 735
R. J., 737
Rosteutcher, J. H. W., 862
Rostoker, W., 27
Rostow, W. W., 79
Rostrup, O , 555
Rosvold, H. E., 622
Rotblat, J., 163, 276
Roth, C., 355
K. F., 242
L., 201
W., 836
Rothberger, F., 659
Rothera, A. C. G., 335
Rotheray, D., 445
Rothfels, K H., 702
Rothman, M., 518
Rothney, G. O., 698
Rothstein, E., 125
Rothwell, H., 459, 461
J. R , 722
Rotkar, D. K., 1016
Rouault, M., 646
Roughton, F. J. W., 63, 83
Rouillard, C. D., 704
Rouleau, A , 648
Roulston, E. N., 654
K. I., 634
M , 654
R. P., 813
Round, F. E., 145
Rounthwaite, C., 137
Rous, C. C., 726
Rousseau, J., 645, 649
L., 598
L. Z., 591
Z., 592, 600
Roussel, J. M., 648
L., 665
Routh, D. A., 357
Routhier, A., 596, 597
Routledge, F. J., 148
Roux, A. S., 891
E., 908
Rowan, D. C., 24
K. S., 771
R., 698
W., 553

Rowat, D. C., 568
R., 513
Rowbotham, E. S., 272
G. F., 116
T. C., 321
Rowe, A. P., xxix, 756
C. F, 145, 396
J. W. F., 64, 80
P. G., 616
P. W., 521
T. L. F., 711
W. G., 643
W. J., 148
Rowell, H. S., 201
J. R. C., 516
Rowland, E. N , 427, 428
I., 122
P. D. M., 52
S , 487
S J , 393
Rowlands, A., 130
A., M S., 393
Sir A., 264
Rev E. C., 231
Rev. E. R., 412, 428
Rowles, C. A , 566
E. C , 690, 693
W , 618
Rowley, A., 307
Rev. H. H., 316, 322, 331
S I., 818
Rowntree, A. G. B., 473
Rowse, A L., 357
Roy, A., 594, 602
A , B.Sc., 483
A. D., 64, 70
F., 599
Hon. F., 651
J. A , 673
K. B., 926
Mgr. M., 590, 600
P., 1029
P. K., 975
R. L., 1029
R. N., 1018
S. N., M.A., 1029
S. N., M.Sc., 1029
V., 595
Royal, Rev. E., 661, 669
Royce, J. I., 671
Royer, L., 597
M., 594
Royle, J. K., 324
Royston, P., 54
Royston-Pigott, Mrs. P. J., 1108
Rozelaar, L. A., 222
Rubbo, S. D., 778
Rubbra, C. E., 350
Rubens, I., 863
Rubie, H. E. C., 622
Rubin, E. L., 154, 156
Rubinstein, N., 249
Rublee, J. D., 614
Rudall, K. M., 124
Rudd, C., 31
E. A., 758
Ruddle, C., 791
Ruddock, A., 896
A. A., 196
Ruddock, R., 325
W. J., 705
Rüdenberg, W., 222
Rudge, E. A., 305, 306
Rudkin, W. C., 908
Rudnyckyj, J. B., 634
Rudra, S. K., 937
Ruge, U. S., 485
Ruggles, R. I , 625
Ruhemann, H , 179
Ruhnke, G. N., 722
Ruknuddin, S., 1023
Rumford, F., 516
Rumney, W. J., 724
Runcie, K. V., 488
Runciman, D , 654
W. A , 472
Runcorn, S. K., 65, 78
Rundle, F. F , 802, 805
Runions, A. D., 722
Rusby, N. L., 264
Rusconi, Count C. J., 67
Ruse, H. S , 128
Rush, Mrs. J. T., 570
Rushbrooke, G. S., 351, 368
Rushby, J. G., 458
Rushton, A., 200
M. A , 258
S , 201
W , 283
W. A. H., 69, 84
Rushworth, E., 452
F. A., 524
Rusk, R. R., 504
Ruskin, H. D., 912
Russell, Earl, 84
A. S., 359
C. S., 403
D. A. F. M , 367, 369
D. C., 111
D. S , 265
E. A , 810
Sir E. J , 253
E. K., 718, 726
E. W., 353
G A , 633
G. H., 798
G. M., 421
J., 198
J , M Sc , 1253
J. A., 630, 637
J. J., 505
J. K., 114
K. F., 770
L. S., 705
M. E., 483
M. P., 35
P. E. L. R., 352, 366, 367
R., 517
R., M.A., 230
R. C. M., 568
R. L., 48
R. S., 353, 362
R. W., 244
W., 516
W. D., 1090
W. R., 354
Z. L., 312
Russell-Davis, D., 73
Rustomjee, A. B. H. J., 958
Ruston, A. F., 209
Rutenberg, D., 200
Rutherford, D. E., 523
D. W., 841
I. M., 830
J , 840
Mrs. M. R , 249
R L., 551
R. S. G., 797
Rutledge, H., 485
J. E., 581
Rutter, A J., 198
Ryan, A. A., 551
B., 1056
C., 776
E. R., 1253, 1254
G. H , 637
H. R., 617
J , 915
Rev. J., 1246
J J., 1251
M. J , 1247
M. T., 664
W. J. L , 216
Ryder, E. C , 98, 110
Rev. E. T , 428
N V , 844
Rydon, H. M , 199
Ryerson, E. S , 730
Ryke, P. A J., 894
Rykert, H. E., 714
Rylands, C. A , 229
G. H. W , 65, 78
Ryle, G., 351, 363
M., 69
Rymer, T. B., 392
Ryrie, B. J., 864
Rzoska, J., 1108

Saad, S., 1108
Sabapathy, V., 949
Sabarwal, K., 993
Sabbagha, N. G , 880
Sabharwal, D. C., 984
Sabnis, G., 955
Sacks, E., 864
Sadanah, K. L., 972
Sadarangani, H. I., 975
V. H., 943
Sadasiva Pandarathar, T. V., 949
Sadasivan, T. S., 997
Saddler, W., 835
Sadekar, V. D , 1025
Sadhukhan, G. C., 1031
Sadie, J. L., 900
Sadka, E., 818
Sadler, G. W., 554
Saer, H. A., 416
Saffran, J., 604
Safiullah, M., 1064
Sagar, F. H., 841
J., 57
J. A., 791
Mrs. N. D., 974
W. L., 711
Sage, D. M., 410
F. M., 573
W. N., 570
Sagne, R. S., 1018

Saha, K. B., 1048
M. N., 962, 963
N. C., 935
N. K., 974
Sahai, B., 929
H., 988
K., 1031
M., 974
R. S. R., 980
V., 972
V. N., 973
Sahani, M. S., 973
Saharya, G. S., 971
Sahasrabudhe, K. R., 1015
Sahay, D. N., 1030
G. B , 1031
J., 1029
Saheb, B. S , 952
Sahgal, S. P., 1022
Sahi, R. C., 1031
Sahu, N. K., 1048
Sai'id, J., 73
Sain, P., 974
Saindon, F., 599
Sainsbury, G. V., 605
K. A. F , 758
St. Clair, W. R , 525
St. Clair-Sobell, J. O., 574
St. David's, Bishop of, 463
Saint-Denis, Rev H., 662, 667
St. Francis, Sr. M., 704
St. George, Ni L., 851
St Hill, C A., 154
St. James, Mother M , 739
St. John, H. B., 720
Sr. M , 703
St. Johnston, C. R , 31
St Joseph, J. K. S., 82
St. Laurent, Rt. Hon. L., 596
Sainte-Madeleine du Sacré-Cœur, Sr., 650
St. Magdalen, Sr. M., 705
St. Margaret, Sr. M., 704
Saint-Martial, Rev. Sr., 666, 667
St. Martin, M., 595
Saint-Pierre, A., 649
St -Pierre, M., 590
St Stanislaus, Sr. M , 703
Sainte - Théophanie, Rév. Mère, 651
St. Veronica, Sr , 684
St. Victor, J. de, 598
Saiyid, A., 1029
Sajan Lal, Q. A., 1023
Sakhare, V. S., 1016
Saksena, B. P., 937
B. R., 938
M. R., 1022
P. D., 992
R. K., 937
Salahuddin, M., 1023
Salam, A., 1024
A., Ph.D., 1022
Salas, X. de, 162
Saldanha, M. A., 1017
Salim, M. A., 933
Salisbury, Marquess of, 440
C. V., 802
Sir E., 765
Salisbury, P. R., 788
Salle, M. F. F., 522
Salmon, C. S., 207
E. C., 252
E. T., 624
J. T., 845
Rev. T. N. D. C., 1238
V G., 240
Salmond, J. B., 527
J. G., 529
Salomon, C. S. M., 673
Salt, G., 70, 79
W. E., 53
W. R., 549
Salter, F. M., 550
F. R., 66, 79
Sir J. A., 357
J. W , 801
K. E. W., 800
K. W , 442
M. D , 709
Saltman, A , 196
Saltmarsh, J , 66, 79
Salu, M. B., 391
Salzberger, I. R., 29
L. S., 95
Samadi, S. B., 989
Samant, D. R., 955
Samantarai, B., 1047
Sambamurti, P , 997
Samis, C. S., 572
Samiullah, S., 1023
Sammons, H. G., 32
Sampath, B., 989
Sampson, H. H., 33
Samson, A., 599
H. H , 911
M., 590, 597, 599
Samuel, G., 552
R. H., 772, 774
Samuels, H. J., 876
H. L., 557
L. H., 908
M. L., 484
Samuelson, P. A , 220
Sanche, H., 648
Sandall, F. A., 839
Sandars, D. F., 790
Sandbach, F. H., 63, 83
Sandein, J., 569
Sander, K. F., 71
Sanders, A. G., 354, 362
C., 816
D. M., 30
F. K., 41, 361
H. G., 392, 394
H. W., 758
I. J., 416
J. B., 633
Rev. J. N., 64, 80
S., 563
T. R. B., 76
Sanderson, A. R., 524
G., 153
G. N., 1108
P. M., 272
Y., 423
Sandford, K. S., 348, 368
Sandifer, D. A. N., 25
Sandilands, J., 495
Sandin, R. B., 550
Sandmann, M., 1099
Sandon, H., 1108
Sandosham, A. A., 1083
H. C , 1084
Sandry, R. J., 50
Sands, D. R., 722
E. R., 70, 77
J. R., 803
R., 870
Sandys-Wood, A. L., 101, 104
Sangakara, K. B., 1056
Sanjiva Rao, B., 1051
Sankar, C. M. B., 1048
Sankaramurthi, P., 949
Sankaran, A., 999
Sanmarti, Rev. J., 957
Sanouillet, M., 705
Sansome, E. R., 1094
F. W., 1093
Sansoucy, Sr. L., 650
Santapau, Rev. H., 957
Santler, J. E., 222
Sanville, F. E., 324
Sanwal, B. D., 971
H. M., 988
Sanyal, S. N., 980
Sapeika, N., 863
Sapiano, Very Rev. J., 1087
Sapru, T. N., 937
Sara, H. J., 458
Saraf, J. R., 991
Saran, A. K., 990
K , 1030
Sarangapani, G., 949
Saranjame, R. B. R. D., 1018
Sarathchandra, E. R. de S., 1055
Sarault, G. E., 592
Sarbadhikari, P. C., 962
Sardesai, V. V., 1014
Sargan, J. D., 125
Sargeaunt, M. J., 213
Sargent, J. D , 851
J. R., 360
W. L. C., 193
Sarginson, K , 372
Sarjant, R. J., 401
Sarkar, A. K., 1055
K. C., 991, 992
L. M , 1047
N. K., 1055
P. B., 962
U. C., 1064
Sarkhel, M., 1030
Sarma, E. K. N., 999
J. C., 1064
K. S , 999
K. V., 1001
M. S. S., 1002
R. V., 998
Sarmiento, E., 111
Sarna, G. R., 975
Sarode, T. M., 1017
Saroop, R., 975
Sarrailh, J., 356
Sarrasin, J. J., 698
Sartain, W. J., 60, 82, 90
Sarup, B., 974
Sarveswara Rao, B., 940

Sarwar, K. M., 1072
S. M., 1070
Sarwari, A. Q., 1023
Sastri, C N., 1026
D. V., 941
K. V. S., 999
M. V. C., 1051
R. L. N., 942
S. V., 1025
Sastry, K. R. R., 937
N. S. N., 1051, 1052
P. A., 1047
S. R., 1000
T. R. R., 999
V. V., 1023
Satchell, G. H., 830
Satchidanandam, V , 947
Satchidanandam Pillai, K., 943
S., 947
Satchwell, L. M., 914
Sathaye, S. G., 926
Sathe, A. B , 1019
Sathianatha Ayyar, R., 947
Satterly, J , 708
Satyanarayana, K , 943
V., 940
Satyanarayana Murty, T. K , 941
Satyanarayana Rao, S , 941
Satyanarayanamurty, B , 942
Satyanarayen, R., 1024
Satyanatha Ayyar, R., 950
Saucier, J., 648
Sauermann, J. D , 900
Saulière, Rev. A., 999
Saunders, A. R., 872
B C , 63, 79
D. B., 632
F. W., 312
H. L., 199
H. R., 504
J. A., 115
J. C , 1251
J. J., 835
J. T , 60, 75
J. W., 138
L. G , 689
L. J., 485
M G , 636
O. A , 200
R. L. de C. H , 583
R M , 706
W. L., 35
Saungikar, B K., 1019
Saunsbury, P., 321
Sauriol, P , 649
Sauvé, I., 647
N., 666
Savage, A., 634
A. D., 605
D. E., 207
Savan, D., 708
Savard, F. A., 592, 593, 600
Savariroyan, S. J., 1001
Savary, R., 594
Savery, B., 572
Mrs. M., 569
Savigear, R. A. G., 399, 410
Saville, J., 445
Savin, L. H., 261
Savoie, C. F., 686
Savory, H. J., 1093
Saw, R. L., 196
Sawalapurkar, P. K., 1018
Saward, B., 26
Sawer, G., 768, 774, 784
Sawers, R , 775
Sawyer, D. B , 829
F. H , 457
J. C , 392, 1094
M. E. M , 676
W W., 1091
Sax, S., 912
Saxby, C O , 26
N. H. W., 803
Saxena, H C , 973
H. K., 971
K. R , 1024
M C , 992
Mrs. P , 973
P. K , 990
R N., 929
S K , 974
Say, M. G., 495
Sayana, V. V., 955
Sayce, Mrs. O. L , 348, 372
R A , 347, 362, 369
R U., 327
Saydon, Very Rev. P. P., 1087
Sayeeduddin, M., 1022
Sayer, Rev C. A., 97
Sayers, J , 28
N D , 534
R. S , 215
W C B , 242
Sayeed, A. F M , 1064
Sayle-Creer, W., 320
Sayles, G. O., 533
Scadding, J. G , 291, 296
Scamell, E. H., 242
Scammell, H L., 578, 581
W. M , 420
Scandrett, F J., 489
Scarborough, E. M , 273
H., 43, 435
J F D , 770
Scarfe, F. H., 504
N., 452
N. V., 184
Scarff, G. R., 49
R. W., 268
Scargill, M. H., 550
Scarisbrick, R. G., 568
Schabort, J. W., 913
Schacht, J., 355
Schachter, B., 689
Schade, R. O. K., 114
Schafer, D. P. H., 791
Schaffelburg, B. S., 697
Schaffer, W., 863
Schaffter, C., 675
Schapera, I., 215, 860
Schapper, H. P., 847
Scharfe, E. E., 614
Scheepers, G. H., 881
Scheffler, T. B., 901
Schemilt, L. M., 566
Schenk, H. G. A. V., 351
Schenk, W., 331, 444
Schenker, V., 612
Scherk, P., 691
Scherrer, A., 654
Scheyer, E., 1236
Schiedel, I. H., 569
Schiffer, G. R., 324
Schild, A. E., 730
H. O., 242
Schill, O B , 330
Schilling, R. S. F., 318
Schilz, W. E , 879
Schimmer, F. C , 251
Schimmerl, E., 633
Schippel, W. H, 610
Schlapp, R., 486
W , 315, 327
Schlebusch, B. J., 881
Schlesinger, B. E , 287
R. J. A , 507
Schlumberger, B. J., 240
Schmetz, C. M., 312
Schmidt, A A , 876, 877
C H , 878
W H. O , 870
Schmidt-Ihms, M., 870
Schmitt, G R , 691
Schneider, D. M., 215
E. E., 111
T., 912
Schoekaert, Rev. A , 1031
Schoeman, C F , 893
D J , 908
G. P , 892
Schoemperlen, C. B., 636
Schofield, B , 115
F W , 724
G , 830
J., 288
Rev. J. N., 64
K , 440
R. K , 307
Scholastica, Sr. M , 1030
Scholefield, D. A., 136
F , 323
Scholfield, A. F., 78
Scholtens, J. E , 909
Scholtz, D. L., 901
H. v. d. M., 880
H v. d. M , D.Litt., 876
J. du P , 863
Schonell, Mrs. F., 43
F. J., 43, 788
Schrag, A. R., 554
Schram, O K , 484
Schrecker, K. A., 882
Schroder, H. M., 810
J. D., 724
Schroeder, P. A., 836
Schuddeboom, F. J., 871
Schulenburg, A. C., 885
C. A. R., 886
Schüler, G. M. K., 899
Schulman, F. H., 41
J. H., 64, 85
Schulz, A. J., 758, 759
K. C. A., 884
Schulze, H. G., 893
Schumann, C. G. W., 899
D. E. W., 899

Schurer, H., 218
Schütte, K. H., 860
Schwabe, W. W., 203
Schwartz, D., 699
H. H., 699
H. W., 581
Schwartzman, D., 609
Schwarz, F , 503
J C. P., 1235
W., 241
Schwarzenberger, G., 241, 248
Schwarzschild, L. A., 373
Schweikerdt, H. G. W. J., 879
Schweitzer, A , 243
Schweizer, W. R , 335
Schwerdtfeger, H. W E , 774
Schwietering, K. F. J , 896
Schwitzer, Mrs. J., 192
Scindhia, Sir G. J. R , 952
Sclare, I. M , 511
Sclater, J. G., 493
Scobie, J., 508
Scoble, C N., 862
Scoins, H. I , 349
Scoon, J. H , 68
Scorer, R S , 202
Scorgie, N J , 227
Scothorne, R. J., 123
Scotson, F. H., 320, 321
Scott, A , 590
Rev. A. A , 929
A. A. B., 526
A. L , 553
A. L , M.B , 510
A. M., 507, 510
A W , 517
B. I. H , 573, 813
C. H., 776
D. B., 209
D. B., Ph D., 552
D. F. S., 102, 212
D. J. R., 337, 341
D. L , 636
D L., M.A., 1072
D. M , 608
D. M., M.D., 676
D S , 567
E., 122
Rev E., 563
E M , 105
F. R., 611
F R. F., 79
F. S., 399
G. B D., 475
G. D., 676
G D., Ph D , 709
Sir G. G , 144
G. I., 481, 492
H. J. M., 117
H. R., 608
H. S., 625
H. W., 870
J. C., 355
J. D., 872
J. F., 522
J. H., 531
J. M., 562
J. M. C., 69
J. R., 722
J. W., 195
Scott, J. W., M.A., 715
J. W., M.D., 555
K , 72, 82
K. J., 845
K. M. F., 864
L., 770
L. C., 706
L. I., 124
M. I. R., 789
N C., 231
P., 862
R , 338
R., Canada, 711
R., M.D , 490
R. B., 275
R. B. Y., 609
S A , 537
S. M , 555
T H , 836
Mrs. V., 626
W A., 776
W A. G., 773
W C M., 292
W. H., 150
W. H , M.D , 555
W. M. F., 157
Scott-Brown, W. G , 272
Scott-James, Mrs. P. H. J., 217
Scoular, L G., 514
Scourse, J. C , 225
Scovil, Rev G. C. C., 693
Scowen, E. F., 275
Scragg, A., 1097
Scriven, H C , 218
Scrivener, L , 117
Scriver, J. B , 614
W. de M., 612, 615
Scrivin, J. W , 703
Scrutton, M. B , 392
Scudder, I. B. S., 1004
Scullard, H H., 209
Scutt, C. A , 771, 784
P. B., 816
Seaborn, Very Rev. R. L., 732
Seager, A F., 196
Seal, H. L., 707
R. M. E., 436
Sealey, V. T., 781
Seaman, G. F , 757
Searcaigh, S O., 1243
Searle, E. J., 840
V. H L., 442
W. N., 289
Sears, D. B., 862, 918
J. W., 658, 659
K., 685
Seary, E. R., 896
Seaston, Rev. G. J., 1086
Seaton, M E., 372
Seawright, R. M. F., 911
Sebastian, J. J., 1025
Sebba, F., 861
Sebire, I. B., 800
Secord, W. E., 716
Secrett, F. A., 253
Seddon, R., 829
Seear, B. N., 218
Seed, G., 523
Seed, G. S., 132
Seeds, W. E., 210
Seefisch-Gaus, Frau M., 452
Seel, B. B., 1024
Seeley, E. H., 322
F. F., 188
R. C., 252
Rev. R. S. K., 731
Seelye, C. J., 844
R. N., 839
Seers, D. G., 352
Seetharamayya, M., 940
Segal, B., 911
J. B., 231
P., 861
Segall, H. N., 613
Segar, E. C. M., 841
Segedin, C. M., 840
M. G., 840
Seggie, A. P., 720
Segrove, F., 398, 401
Sehgal, A. N., 974
B. R., 972
Seiler, H. E., 490
Sekhran, K R., 1023
Selbie, F. R., 267
Selby, A., 334
F , 516
G. E , 104
K., 334
Self, G. M., 551, 552
P J. O., 217
Selfe, F. L , 202
Seliga, S., 524
Selkirk, W., 205
Sellers, A. H., 718
E A., 714, 715
Rev. R. V., 254
Sellon, H. G. R., 442
Sellors, R., 630
Sells, A. L , 102, 106
Selman, I. W., 251
Seltman, C. T., 63, 81
Selvam, R. N., 999
Selzer, G., 865
Semeniuk, M. L , 690
Semeonoff, B., 487
Semple, A. B., 154
J. G., 209
R. H., 538
W. H., 308, 310
Sen, A., B.L., 1020
A., M.A., 1031
Adarini, 1018
Atulananda, 1031
A. B., 990
A. K., 1065
B. M., 963
B. R., 1019
L., 980
N. K., 1083
N. R., 963
P. K., 962
S., B.A., 980
S., D.Litt., 941
S., M.A., 1017
S. N., 973
Sen Gupta, P., 975
S. B., 979
Senapati, K. M., 1048

Senapati, R., 1048
Sénécal, Rev. R., 661
Senenratne, R. D., 1057
Senewiratne, V. E. P., 1057
Senftle, F., 663
Seng, M. I , 616
Sengupta, M., 952
Sengupto, B., 958
Serampore, B. D , 1031
Sereda, M M., 556
Serjeant, R. B., 230
Serrano, M. R., 130
Serton, P , 901
Servais, Y., 1250
Seshachalam, T , 1010
Seshachalam Choudary, K., 998
Seshachari, V. V., 949
Seshadri, T. R , 971
Seshadri Acharya, V. K , 948
Seshagiri, P. V. V., 942
Seshagiri Rao, P. V , 943
T., 941
Seshaiya, R. V., 949
Seth, B. R., 973
G , 534
K. G., 990
N. R. M , 1024
R. B., 980
R. C , 971
S. C., 1014
S. P., 975
Sethi, B. L , 929
L. R , 926
P. C , 1019
Sethna, D. P., 957, 958
Sethu Pillai, R. P., 998
Sethunarayanan, R. M., 949
Sethuraman, V. S., 947
Seton-Watson, C. I. W., 365
G. H. N., 351, 368
Setton, K. M., 633
Seumois, Rev. A., 666, 668
Severs, W. K., 106
Sevier, J. N., 803
Sewell, M. T., 316
Sewter, A. C., 43, 309
Sexton, C. W. N., 773
Seymour, P. A., 780
R. C., 45
W. G. M., 871
Seyton, S. A., 397
Seznec, J. J., 347, 358
Sfeir, J. C., 312
Shabbar, S. M. A., 934
Shabde, N. G., 1041
Shackle, G L. S., 125
Shackleton, R., 347, 359
R. M., 147
Shadani, W. H. A., 1065
Shade, I. M., 513
Shafi, S. M., 933
Shafiq, S. A., 1063
Shaftlin, R., 129
Shafto, C. E., 117
Shah, C. R., 956
I. U., 934
J. C. M. S. M., 1001
K. H., 955
M. M., 1016
Shah, P. K., 958
S. A., 1072
S. A. A., 1076
S. M., 934
S. M. A., 1073
Hon. S M. M., 1075
Shahane, S. M., 1019
Shahidullah, M , 1063
Shaida, R. N., 974
Shaikh, A M., 1076
B. A., 1070
Shakoor, A., 930
Shallenberger, B. A., 609
Shama Rao, B. N., 1008
Shameem, K M., 992
Shams-ud-Din, Mrs E , 1070
Shamsullah, 1024
Shamsuzzoha, 1065
Shandilya, M L., 972
Shandro, W. A , 557
Shaner, R. F., 549
Shankar, H , 973
J , 971
Shankaran, V., 1014
Shankland, R I , 973
Shankly, K. H., 776
Shanks, G. L., 634
P. L , 131
S. C., 236, 287
Shanmugam, T E., 999
Shanmugan, M , 948
Shanmuganathan, Sp., 947
Shanmugaratnam, K., 1083
Shanmugasundaram, Mrs., 1003
M , 999
Shann, P., 788
Shannon, J. G , 616
Shapiro, E. I , 664
I. A., 25
Shapland, C D., 287, 292
Sharan, J., 973
Shareef, M. A , 1024
Sharfuddin, 1022
M., 1018
Sharif, K. B M , 1073
Sharma, A , 991
A., Ph.D , 1023
A. C., 1020
B. M., 992
B. N , 992
C. B., 992
D., 973
D. C., 978, 982
D. N , 988
G. N., 972
G. R., B.Sc., 975
G. R., M.A., 975
G. S., 973
I. D., 992
J. L., 1030
J. R., 1029
Mrs. L., 929
M. P., 1020
P. N., 991
P. N., Ph.D., 991
R. C., 972
R. D., 975
R. N., 989
R. P., 1019
Sharma, R. R., 984
R. S., 979
S. D., 1047
S. D., LL.M., 992
S. L., 992
S. R., 973
S. R., LL.B., 990
Sharman, B. C., 425
M., 225
Sharp, A. E , 231
D. E., 217
E., 791
G. B., 776
H. S., 256
L. W., 481, 482
M., 46
S., 1100
W., 516
W L., 582
Sharpe, A. G., 63, 78
B. W., 720
G , 629
J., 404
M. E , 393
Sharpey-Schafer, E. P , 283
Sharrock, R. I., 459
Sharwood, Rev A L., 787
Shastari, R. S., 934
Shastri, L. D., 974
N P , 929
S. N., 975
Shattock, C. E , 273
P. M F., 392
Shatwell, K. O , 801, 806
Shaukat Ali, N. K. S., 949
Shaver, E. M , 730
Shaw, A., 552
A. G. L., 780
A. N., 607
A. P., 396
B. D., 333
D. M., 625
Rev. F., 1246
F. H., 776, 784
F. R., 451
G., 319
H , 54
H., L D S , 136
H., Ph D., 873
I P., 209
J , 112
J. C. M., 915
K., 423
L A. E., 220
Mrs. L. Z., 112
M., 399
M., M Eng., 784, 788
Mrs. M. M., 273
N. H., 787
P. E., 343
R., 138
R. A., 798
R. B., 338
R. M., 558
W., 276
Shawcross, E. W. H., 262
Shawe, G. D. H., 236
She, Mrs. D., 1079
Rev. G., 1079, 1080
Shea, L. T., 802

Shea, Mrs. M. M., 1253
S., 1253
Sheals, J. G., 512
Sheane, G. K., 550
Sheard, J. A., 208
Shearer, G., 95
G., B.Sc., 517
J., 818
J. O., 843
W. M., 525
W. S., 491
Sheares, B. H , 1083
Shearman, D. J., 201
Shearn, R. B , 25
Sheasby, H., 437
Shebeika, M. E. T., 1108
Shebeski, L. H., 692
Shedden-Adam, G. W., 790
Sheehy, E. J , 1247
Sheehan, H. L., 154
Sheen, F. V., 426
Shefford, A. D. E., 286, 288
Shefton, B. B., 440
Sheldon, E W., 547
J H., 31
J. M., 717
S , 802
W. P. H., 261, 291
W. S , 801
Shelley, U' , 273
W. F , 460
Shelswell, E. M., 524
Shende, D. K., 1017
Shenton, L. R., 324
Shephard, C. Y., 1102
R. N., 862
Shepherd, A. C , 487
A. E., 822
F. C., 313
G. F , 915
G. T , 25
H. L., 50
J. A., 159
J. T., 534
K , 1103
R., 402
R. B., 448
R. M. H., 703
R. T., 353
R. W., 781
W., 525
W. M., 47
Shepherdson, J. C., 47
Sheppard, A , 393
E. A., 840
E. M., 428
F. A., 571
I. G., 191
J. A. H., 447
J. S., 202
Sir J. T., 78
N. E., 707
P. A., 202
Shepperson, G. A., 485
Shepstone, Hon. D. G., 869
Sher Jung, Mrs. N., 974
Sherborne, J. W., 46
Shergill, F. S., 980
Sheridan, E., 1249
J., 23
Sheridan, Rev. J., 703
L. A., 533
N. R , 788
Sherlekar, S. A., 957
Sherlock, E , 558
M., 549
P. M., 1099, 1100
Sherman, Mrs L., 698
Sherrard, G. O., 1247
H. M., 809
Sherry, S P., 873
Sherwani, H. K., 1024
Sherwin-White, A. N., 348, 366
Sherwood, H. C., 325, 326
Shevenell, Rev. R , 662, 663, 665, 667, 668, 669
Shidore, R. B. D. V , 1018
Shields, A E , 895
B F , 1245
D. C , 279
J., 1102
Shih, C. C., 703
Shils, E. A., 220, 389
Shilton, R., 137
Shimmin, A. N., 129
S B. N , 193
Shindman, B , 625
Shine, Rt. Rev. Mgr. J , 1249
Shinnie, A. J , 289
Shipp, G. P., 798
Shipstone, E., 993
Shire, E S , 68, 79
Shirley, J , 110
Shirodkar, S. N., 1018
V N , 957
Shirras, A. F., 133
Shivaraman, Mrs., 974
Shivas, A. A., 476
J A., 723
Shivraman, V. P., 1018
Shodangi, M., 941
Shoemaker, J. S., 723
Shoenberg, D., 69, 78
Sholl, D A., 236
Shone, K., 518
Shook, Rev. L. K., 704
Shoppee, C. W., 431
Shore, A., 258
B. E., 710
S. C., 864
Short, D. S , 50
Rev. H. V. R., 731
J., 113
J. P., 504
J. R. T., 447
P., 109
Shorter, A. H., 441
Shortliffe, G., 673
Shorto, H. L., 231
Shortt, H. E., 299
Shott, N., 117
Shotton, D. M., 31
F. W., 26, 410
Shrewsbury, J. E. D., 30
Shridevi, S., 1019
Shrimali, M. L., 973
Shrinivasan, M. R., 1017
Shriramulu, Y., 1017
Shrivastava, A. P., 1019
Shrivastava, P. C., 1018
V. K., 1019
V. P., 1018
Shroff, F. R., 832
S. D., 1026
Shrum, G. M., 573, 575
Shucksmith, H. S., 135
Shukla, D. N., 992
G. S , 1014
Mrs. K , 993
K. N., 990
K. S., 991
M., 993
M. C., 972
P. D., 991
R. C , 989
R. K., 1037
R. P., 1020
R. R., 1017
R. S., 1040
S N., 990
T. N , 1017
U. K., 991
V. N., 992
Shumas, F., 568
Shunn, J , 907
Shustri, M. A., 1070
Shustry, M. A., 1069
Shute, D., 558
Shutt, D. B., 722
Shuttleworth, A. C., 151
S. G., 897
Sibiya, L., 1009
Sibley, G., 446
J. C. A., 115
W. M., 634
Sibly, J., 1097
Mrs. J., 1097
P. M., 756
T. C. F., 391
Sibree, E. W., 803
Siday, R. E., 196
Siddalingaiya, M., 1008
Siddappa, S., 1008
Siddiqi, A. A., 1025
A. L., 935
A. M., 1023
B. A., 928
I., 1077
M., 1024
M. N. A., 1024
M. R. A., 1022
M. Z., 963
N., 1025
O. A., 934
R., 934
R. A., 935
Siddique, H. R., 1015
M. R., 1064
N. U. A., 1064
Siddiqui, A. A., 1063, 1065
Siddons, A. H. M., 279
Sidebotham, H., 313
J. M., 533
Sideleau, Canon A., 645, 646
Sidgwick, N. V., 362
Sidhanta, N. K., 990
Sidwell, E. H., 532
N. C., 495
Sieff, B., 915

Siemon, S. R., 834
Sieniewicz, T. M., 581
Sierra Leone, Bishop of, 97
Sieverdink, Mrs. A. H. J, 895
Sievwright, C., 778
M. F., 109
Siew, S., 911, 913
Siff, A., 911
Siffleet, N M, 1100
Sifton, H. B., 702
Signori, E., 573
E. I, 680
Sigurdson, L. A., 630
Sikorski, J, 138
Silber, K., 485
Silberbauer, B, 864
Silcock, H., 150
M., 537
T. H, 1082
Sillick, W. E. G, 202
Sillitto, R. M, 487
Silsby, E., 306
Silver, R. C., 830
Silvera, W. D, 1094
Silverman, B, 612, 615
Silverstone, H., 829
M., 155
Silverthorn, M. E., 720
Silverthorne, L N, 715
Silvery, Mrs. S. D, 507
Silvester, R., 817
Sim, A., 481
J. T. R., 902
Simard, A, 593, 595, 598, 599
E., 595
Rev. G., 668
L. C., 645
R., 598
Siméon, Br., 596
Simey, T. S., 150
Simkin, C. G. F., 374, 840
Simmers, M., 862
Simmonds, E. H. S., 231
N. H., 52
N. W., 1103
W. H. C., 108
Simmons, H. T., 320
J., 452
J. A., 1100
S A., 722
Simms, Rev. G. O., 1238
Simon, Visct., 344, 357
Baron, 308
F. E., 352, 359
H. F., 230
J. H., 426
Rev. L. M., 662, 663, 664
Rev. U. E., 254
W., 230, 1080
Simonds, E. F., 789
Simons, H. J., 860
W. H., 572
Simpson, A. E., 566
B., 432
C. G., 102
C. K., 258
Rev. D. C., 365
D. M., 86
D. M., M.Sc., 582
E. B., 426
Simpson, Rev. F. A., 83, 95
F. M, 508
G. A, 614
G. W, 690
H., 192
H. E., 116
I. G., 131
I. M., 504
J C. E., 310
J. F, 281
K., 791
M. S., 550
P. M., 50, 51
R. H, 420
R. K. M., 1079, 1080
S., 46, 480
S J., 337
Rev. W., 682
W. D, 469
Simpson-Lee, G. A J., 798
Sims, B J, 108
D. L., 432
F. H., 489
I, 1072
M. L, 448
Sinclair, A. C., 636
A. M, 499
C, 452
D. C., 344
G., 711
H. M., 363
J., 427
J. M., 562
K., 840
R. D., 553
R. F, 111
R. G., 680
Sir R. J., 44
S., 631
S. R., 554
T. A., 531, 532, 538, 539
W A., 486
Sind, Gov. of, 1075
Premier of, 1075
Sinden, M. J, 706
Singer, A. R. E., 27
C. M., 44
K. G., 224
R., 860
Singh, A., 974
A. D, 1029
A. N., 991
Singh, B., Delhi, 972
B., East Panjab, 978
B., Lucknow, 990
B. B., 980
B. H., 980
B. J., 982
C. S., 978
D., 981, 982
D., M.A., 930
G., 975
G. N., 972, 976
H., 972
H., LL.D., 973
H., M.Sc., 974
H., Ph.D., 981
H. C., 981
H. N., 929
J., 975
Singh, J., M.A., 929
K., 973
K., M.Sc, 1041
M, 972
Mulraj, 979
M., Ph.D, 978
Sir M., 1033
M. E. B, 1008
N., 978, 979, 981
P, 974
P. P., 978
R., 1022
R. K, 928
R M C., 979
R. N, 975
R. P., 991
R P., M Sc, 971
R U., 992
S, 972
Sarup, 972
S, M.A., 928
S., M.Sc., 971
S. B. B. J., 979, 981
S. G, 1047
S. H., 980
S. I., 979
S K, 980
S. N., 982
S. N., Lucknow, 990
S N, Ph D, 1024
S T, 974
S. U, 973
S V, 992
T, 980
T., LL.B., 978
T. C N., 947
V., 1021
V. D, 1016
Singhal, J. P., 929
Singlehurst-Ward, L., 207, 307
Singleton, A C, 716
A G., 151
J. A., 850
J. H., 470
O P., 817
W. A., 309
Singwi, K. S., 974
Sinha, A. K., 994
B., 1018
B. B., 992
B. K., 1030
B. M. K., 1030
B. N., 989
B. N, M.A., 1030
B. P., 1029
Mrs. C., 993
D. P., 1055
D. R., 1018
H. N., 1018, 1019
Mrs. I. L., 1048
K. C., 1029
K. M., 1029
K. N. P., 1031
K. P., 1030
K. P., M.Sc., 1031
M. P., 1030
R. A. P., 1031
R. M., 1018, 1020
S., M.A., 1031

Sinha, S., M.A., B L., xxix, 1029
Mrs. S., 975
S. M., 990
U. P., 1030
Sinhal, M. S., 1016
Sinhval, S. D., 991
Sinker, P. T , 91
Sinkinson, E , 136
Sinnamon, C. N., 795
Sinnarkar, N. P., 1015
Sinnetamby, G. S , 1058
Sinor, D , 41, 73
Sippel, J. J., 900
Sipprell, H. F., 546
Siqura, Rev. T. N , 1000
Siraj, H., 994
Sirajuddin, M. A., 1023
Sircar, M K , 975
S. C., 973
S. M., 975
Sirkar, S., 1031
Sirois, A., 590
Sirsi, M , 1051
Sirsikar, V. M , 1016
Sisam, C , 222, 223
J. W B., 704, 726
Sise, H. E , 609
Sisson, C. J., 239, 248
Sitapati Rao, D , 042
Sitaram, K , 926
Sitaramaiah, C., 1047
Sitaraman, M V , 947
M. V , Madras, 999
Sitaramaya, V , 1009
Sithammal, P , 944
Sitwell, Rev. F. G., 371
Sivalingam, V , 1057
Sivaramakrishna Sastriar, K. A., 948
Sivaraman Nair, U , 1042
Sivasubrahmanya Pillai, T. N., 948
Sivasubramanian, L. R., 973, 976
Sivavadivel Pillai, K. S., 948
Sivertz, C., 735
Sixsmith, H , 392
Skeffington, O. L S., 1235
Skelding, A. D., 23
Skemp, J. B., 101, 331
Skempton, A W., 200
Skene, M., 44
Skerman, V. B. D., 790
Skewes, S., 862
Skiba, W. J., 335
Skilbeck, D., 251, 1110
Skinner, A. F., 521
G. F., 583
H. A., 310
H. A., M.D., 737
H. D., 828
H. W. B., 149
N., 581
Mrs. S. K., 213
Skinsnes, O. K., 1079
Skipper, E. W., 403
Skitch, C. H., 615
Skutch, O., 310
Skyrme, T. H. R., 84
Slack, E. B., 115
G. L., 156
H. D., 508
Z., 719, 721
Sladden, A., 487
E., 103
Slade, B. F., 828
C F , 391
E , 366
Slater, E. C , 767
E. T. O , 292
J K., 490, 492
L , 102, 104
N. B , 128, 409
Rev. R. G., 929
R. H. L., 609
S N., 833, 843
Slay, D L., 416
Slebarski, T., 520
Sledge, W A., 124
Mrs W A., 139
Slee, A. T. C , 895
Sleed, Mrs. J. S , 876
Sleeman, C M , 80
J. F , 507
Sleigh, G. F , 208
Slemon, G R , 200
Slepchenko, B. S., 150
Slesinger, E. G , 259
Slessor, A , 509
A J., 493
Slinger, S J , 723
Sloan, A W., 506
D , 870
J., 537
N. A., 488
W. E , 653
Sloane, J F , 48, 57
M. W. M., 675
R H , 534
Sloman, A. E., 1237
Sloss, D J., 1231
Sluyter, E. H., 993
Small, R. C., 66, 83
Smailes, A , 104
A. E., 240, 248
Smaill, S S , 616
Smails, R. G. H , 671, 672
Small, A. J , 508
C W., 546
J., 508, 513
J , Belfast, 532
J. M., 31
R. W. H., 23
W. D. D., 492
Smallbone, E. L., 224
Smalley, B., 349, 373
Smalley-Baker, C. E., 43
Smallfield, H. A., 722
Smallman, F. B. R., 336
Smallpiece, V., 354
Smallwood, A. L., 49
E. M., 85
W. C., 31, 32
Smart, A. B., 512
G. A., 49
J., 70
J. J. C., 759
P. A. M., 447
R., 495
Smart, R. S., 832
W. M., 502, 513
Smee, D. K., 192
Smeed, C. W J., 237
Smellie, J. M., 32
K. B., 217
R. M. S., 506
Smeltzer, D., 109
J. A., 554
Smethurst, L. J., 25
S. E., 672
Smieton, M. J., 199
Smikoff, Mrs. Z., 791
Smillie, D. M., 513
I. S., 526
R. S., 495
Smirk, F. H., 42, 294, 409, 831
Smit, A., 877
B. J., 902
C., 882
C. B , 891
J., 772, 774
J. D., 884
J N., 900
Z. M., 886
Smith, A., 528
A , Ibadan, 1094
A , LL.B., 551
A. A., 132
A. B., 493
A. D. B., 488
A. E., 355
A E., M.A., 337
A. E. D , 1100
A. H , 239, 244, 248
A. H., Canada, 710
A. H., Ox., 364
A. M., 472
A. M., B.Sc., 757
A. M , D Sc., 488, 496
A. N., 489
B. E. Q., 99
Rev. B. T D., 83
C., 240
C. A., 397
C. A., B.Comm., 899
C. A. B., 240
C. E., 1085
C. E., Canada, 637
C. E. D., 207
C. G., 306
C. G., Canada, 713
C. J., 225
C. L., 73
C. L., Ph.D., Liv., 151
C. R., 631
C. T., 452
D., 510
D. B., 836
Mrs. D. B., 569
D. C., 718
D. C. A., 44
D. E., 552
D. H., 307
D. H., M.B., 527
D. L. T., 724
D. M., 80
D. N., 757
D. P., 53
D. P. J., 893

Smith, D. S., 123
Sir D. S , 825
D. W., 780
E., 163
E., B.Litt., 390
E., M.A., 654
E., M.Sc., 654
E. A., 710
E. C., 546
E. F. M., 185
Mrs. E. H , 706
E. H. F., 370
E. J, 108
E. M., 841
E. P., 520, 525, 526
E. R., 279
E. S., 615
F., 622
F. G., 706
Rev. F. H , 322
F. J. K., 184
F. M., 109
F. V., 101
F. W., 306
G., 152
G. C., 68
G. F., 124
G. F. M., 658
G. G., 816
G. H., 526
G. I , 1090
G. J., 680
H., 504
H. A., 25
H. A., L.D.S , 117
H. D., 579
H. E., 550
H. G., 137
H. G., Canada, 730
H. H., 870
Mrs. H. J., 507
H. P., 386
H. T., 145
H. W , 715
I., 483
I., B.A., 773
I. A., 521
I. C., 508
I. M., 526
I. W., 712
J., 474
J. A. B., 506
J. C., 331
J. C., D.Sc., 345
J. C., Dip.Arch., 107
J. D., 112
J. D., Ph.D., 76
J. E., B.Sc., 227
J. E., Ph.D., 222
J. F., 283
J. F. G., 306
J. G., 723, 724
J. G., M.Sc., 899
J. H., 473
J. H., Durham, 108
J. I., 436
J. L. B., 896
J. L. S., 482
J. M., 553
J. McL., 410

Smith, J. N., 484
J. P., 319
J. P., L.D.S., 404
J. P , Ph.D., 690
Rev. J. S. B., 74, 81
J. W., 191
J. W., M.B., 520
K S , 256
L., 52
L , Mus B , 718
L. L., 757
L. M., 553
M., 197
McI , 613
Mrs M. B., 569
M. D , 704, 725, 726
M G , 1108
Mrs M. G., 213
M. J , 574
M. M , 138
M. R., 699
M. S., 252
M. S , M.D , 509
M V., 575
M. V , B.S.A., 722
N. E., 607
N H., 335
N. M., 338
N O , 631
P., 334
R., 517
R., B Met.E., 775
R. A., 810
R. C., 422
R. C. T., 810
R D. H , 719
R. E , 798
R. H. N., 345
R J , 34
R. L., 582
R. M., 152
R. M., M.A , 74
R. N., 227
R. N. W., 523
R. P., 587
R. R , 521
S., Litt.D., 230
S., LL.D., xxix, xxxi, 701
S., M.A., 677
S., Ph.D., 70, 81
Sir S. A., 489, 497
S. E. H., 232
T., 403
T., Ph.D., 472
T. B., 55
T. B., Lond., 239
T. B., M.A., 474, 478
T. B., Ph.D., 398
V. G., 711
W., 147
W., F.R.S., 286, 288
W. C., 151
W. C., Ph.D., 609
W. D., 558
W. E., 553
Rev. W. E. L., 673
Hon. W. F., 787
W. H., 50
W. J., 516
W. J., Ph.D., 524

Smith, W. K., 483
Rev. W. L., 731
W. M., 672
W. O. L., 184
Sir W. R., 435
W. S , 458
W. W., 482
W. Y., 658
Smith-White, S., 797
W B., 799
Smithells, P. A., 832
Smithers, D. W., 303
G. V., 347, 361, 364
Smithies, F., 67, 82
Smithson, F., 423
R. G., 133
Smout, C. F. V., 22, 29
Smurthwaite, J. S., 1235
Smuts, F., 899
F. S., 877
I J., 872
M , 886
P A., 864
P. L , 860
Smyth, B. W., 837
Canon C. H. E., 76
D. H , 400
E. S., 353
G. G. E., 318
G. S., 918
J. C., 486
J. D , 1234, 1237
J. E., 671, 672
L. B., 1235
W. A., 609
W. R., 431
Smythe, H. J. D., 50
L. E., 812
Snatak, V., 975
Snawdon, J. W. E., 52
Snead, C , 35
Sneddon, E., 870
I N., 455
Sneeden, O , 517
Snelgrove, G. W., 689, 693
Snell, C , 239
Very Rev. G. B., 732
R. S., 207
Snellgrove, D. L., 230
Snelling, C. E., 715
Snodgrass, C. P., 484
N. S., 521
W. R., 510
Snow, C. M., 372
C. P., 75
D., 392
D. O., 547
G. R. S., 362
Snowden, D. C., 138
Snyder, E. S., 723
Snyman, H. W., 885
W. J., 894
Soal, S. G., 222
Sodhi, D. S., 957
Soertsz, Sir F., 1055
Soffray, R. F. M., 645
Softley, J. W., 156
Solagran, Rev. A., 957
Solandt, D. Y., 715, 718
Solberg, P. A., 608

Soler, G., 1086
Solin, C. D., 607, 609
Sollis, C. G., 185
Solomon, H., 740
H. J., 813
Solomons, D., 215
Soltau, R. H., 416
Soltys, M. A., 151
Somadasa, K. D., 1054
Somalwar, S. G., 1020
Soman, R. V., 1017
S. V., 1016
Somasekharasastri, K., 941
Somasundaram Pillai, V. M., 948
Somayaji, G. J., 941
Somers, F. A., 730
Rev. H. T., 684
Somerset, D., 569, 575
H. C. D., 843
H. V. F., 369
Somervell, Sir D. B., 357
Somerville, A., 554
Mrs. A. H., 470
Sir J., 59
Sommerville, J., 509
J. M., 810
Sonayajula, Y. V., 941
Sondheimer, E. H., 84
Soni, P. L., 971
Sonnabend, H., 910
Sood, P. C., 972
Soper, C. S., 812
F. G., 828
J. H., 702
M. H. R., 353
Sosnowick, H., 48
Soukup, L., 507
Soule, H., 625
Soundarajan, G., 998
Soutar, M. E., 525
S. F., 527
Souter, A., 389
South, B. H., 879
South Africa, Gov.-Gen. of, 680
Southam, A. H., 320
F. L., 135
H. D., 653
Southby, R., 778
Southern, H. N., 352
R. W., 349, 358
Southgate, D. G., 441
G. W., 837
Southwood, A. R., 760
H. M., 759
Soward, F. H., 570, 571
Sowerbutts, J. A., 307
Sowerby, L., 149
W., 831
Spain, B., 1236
Spalding, K., 421
K. J., 359
Spaner, S., 556
Spann, R. N., 312
Spanner, D. C., 198
Sparby, H. T., 550
Spark, L. C., 124
T. E. H., 803
Sparkes, S. R., 200
Sparks, B. W., 66, 223
Rev. H. F. D., 29, 36
J. V., 49
Sparling, D. W., 614
G. W., 572
Sparrow, B. I., 837
J. H. A., 357
W. J., 24
Spary, P. G., 458
Spate, O. H. K., 216
Spath, L. F., 196
Spaul, E. A., 130
Spaulding, J. G., 569
Speakman, J. B., 137
J. C., 503
Spear, C. E., 835
T. G. P., 82
Spearman, D., 552
Specht, R. L., 756
Speck, N. H., 818
Spedding, R. L., 803
Speers, P. C., 1069
Speight, H., 125
K., 313
N. C., 832
Speirs, J. H., 441
Spelman, E. M., 337, 341
Spelt, J., 705
Spence, A. W., 275
C. C., 107
G. D., 546
Sir J., 113, 120
M. E., 146
R. E., 701
Spence-Sales, H. J., 609
Spencer, A. C., 733
C. P., 123
C. P., Ph.D., 423
E. Y., 689
F., 446
G. E. L., 1103
G. J., 574
J. C., 218
J. F., 191
J. G. C., 50
M. M., 346
P. H., 76
R. A., 692
R. H., 426
S. L., 804
T. J. B., 240
W. G., 306
Spens, P. G., 76, 95
Sir W., 76
Spice, J. E., 145
Spiegelberg, F., 961
Spiers, F. W., 131
Spies, F. J. du T., 881
Spillane, J. D., 437
Spiller, R. C., 350
Spilman, M. D., 861
Spilsbury, R. J., 417
Spindler, O., 810
Spink, J. S., 459
Spinks, G. T., 54
J. W. T., 689
Spinner, E., 323
Spittle, J. T., 80
Spong, A. H., 861
Spooner, E. C. R., 758
Spooner, E. T. C., 299
J. R., 311
Spoor, A. T., 51
Sporne, K. R., 62
Spracklin, B. G., 697
Sprague, P. H., 555
W. M., 556
Sprent, J. F. A., 718
P., 813
Sprigg, R. K., 231
Spring, F. S., 516
Springall, H. D., 455
L. M., 75
Springbett, B. M., 634
Springell, P. H., 771
Springer, H. W., 1099
Springthorpe, G. H., 779
Sprinks, M. E., 1099
Sprott, B. D., 605
W. J. H., 336
Sproule, G. St. G., 611
W. H., 722
Sprules, W. M., 735
Sprunt, T., 527
Spry, J. C., 720
Spurr, J. W., 629
Spurrell, W. R., 259
Spurway, H., 240
Squire, J. R., 32
P. S., 70
S. G., 503
Sraffa, P., 64, 84
Sree Ramulu, T., 942
Sreenivasan, A., 955
B., 955
K., 1051
Sreenivasaya, M., 1051
Sreeramamurthy, V. V., 971
Sreshta, R. R., 990
Sridar, K. M., 999
Srikantuya, T. N., 1009
Srinastava, R. S. L., 994
T. N., 990
Srinath, K. V., 1008
Srinivasa Iyengar, K. R., 940
Srinivasa Rao, M. R., 1009
Srinivasachari, K., 948
Srinivasachariar, C. S., 1002
Srinavasamurti, B., 949
Srinivasan, C., 947
G. A., 999
N., 941
T., 1000
Srinivasanaghavan, A., 999
Sripada Rao, K., 1810
Srirama Das, A., 942
Sriramamurti, V., 941
Sriraman, S., 948
Srivastava, B. N., 991
C. P., 930
D. P., 1031
L. N., 990
P. L., 937
Mrs. R. D., 993
R. K., 993
S. S., 991
Srivinas, M. N., 355
Srivirarayan Raja, P. K., 948
Staal, R. A., 659, 680
Stable, J. J., 788

Stabler, E., 697, 698
F. E., 114
G. V., 517
Stacey, J. E., 403
M., 23, 42
R. S., 284
Stadelbauer, H. B., 550
Stadler, H. P., 108
K. R., 337
Stafford, E., 325
J. G. W., 338
J. L., 32
P. M., 610
Stagg, G. L., 335, 337
Stahl, E. L., 348, 360
Stajié, M., 69
Stalker, A. L., 475
Rev. D. M. G., 482
H., 490
Stallard, H. B., 276, 292
Stalley, O., 791
Stallworthy, J. A., 354
Stallybrass, W. T. S., 389
Stalony-Dobrzanski, J. A. M., 610
Stamm, T. T., 259
Stammers, A. D., 918
A. F., 34
F. A. R., 33, 43
Stamp, Lord, 292
J. T., 496
L. D., 216, 253
Stanbury, S. W., 315, 318
Standil, S., 634
Standing, B., 311
Standley, K. J., 336
Stanesby, A. O., 487
Stanfield, M. W., 390
Stanford, W. B., 1233, 1234, 1235
Stanger, J. K., 114
Stanier, M. W., 1098
Staniland, A. C., 441
Stanislas, Sr. M., 943
Br. M. A., 687
Stanley, B., 121
D. R., 554
E., 45
G. K., 249
J., 608
L. S., 237
Rt. Hon. O. F. G., 144
V., 518
Stanner, W. E. H., 767
Stanners, H., 213, 214
R. W., 66
Stansfeld, J. M., 113
Stansfield, H., 137
Stanton, B. L., 778
O. M., 121
R. G., 707
W. K., 47
Stanworth, A., 318
Staples, M. W., 722
W. E., 708
W. R., 693
Stapleton, T., 368, 410
Starchuk, O., 552
Starfield, A., 910
Stark, W., 487
Starke, D., 240
J. S., 883
K. W. E., 625
N. C., 884
Starkie, E. M., 347, 372
Starr, K. W., 765
P. E., 339
Statham, I. C. F., 402
Statton, J. W., 758
Staub, S., 1106
Staveley, D. C., 273
L. A. K., 346, 364
R., 242
Stavraky, G. N., 738
Staz, J., 915
L., 912
Steacy, H., 663
Stead, G., 259
Rev. G. C., 370
J. M., 231
Steadman, B. St J., 289
Stearn, C. H., 624, 628
E. F. R., 338
Stebbing, E. P., 488
Stede, D. A. L., 229
W., 234
Stedman, B. A., 26
E., 482
Mrs. E., 482
Steed, R. W., 208
Steedman, H. F., 508
Steegman, J., 423
Steel, A., 112
A., M.A., 425
A. B., 75, 95
E. V., 796
G. D., 584
G. S., 521
J. D., 800
R. W., 348
W. E. J., 569
W. L., 325
Steele, A. J., 484
E. J. P., 1236, 1242
E. S., 521, 529
G. D. F., 51
M. C., 517
Steen, D. G., 514
R. E., 1238
S. W. P., 67, 75
Steenkamp, J. L., 902
W., 900
Steeple, H., 324
Steer, G. H., 551
H. O., 710
Rev. S. C., 693
W. S., 440
Steers, Mrs. H. G., 66
J. A., 66, 81
Steeves, L. C., 581
W. A., 619
Stegen, G. F., 608
R. M., 864
Stegmann, E. T., 901
G. F., 899
Stehle, R. L., 615
Stein, G., 108
H. B., 913
H. L., 631
L., 491
M., 125
P., 871
R., 1093
S., 241, 244
W., 138
Steinberg, M. W., 569
Steinhauer, H., 633
Stelck, C. R., 551
Stening, G. G. L., 802
M. J. L., 802
S. E. L., 803
Stenton, D. M., Lady, 391
Stephan, E. M., 46
Stephanson, B. T., 553
Stephen, C. R., 611
F. C., 801
Mrs G. M., 391
H., 908
J. D., 510
T., 913
Stephen-Lewis, F. V., 913
Stephens, A. C., 829
A. V., 800, 806
D. J., 431
G. H., 1084
H. D., 135
Rev J. O., 412
J. S., 26
J. S., B.A., 157
K. M., 427
L. A., 227
R. W. B., 202
Stephens-Hodge, Rev. L. E. H., 55
Stephens-Newsham, L. G., 580
Stephenson, A., 200
E. F. M., 771
E. S., 637
Sir F., 397
G., 146
G. E., 114, 116
M., 95
N. G., 841
R. P., 489
T. A., 417
W., 120, 790
Steppler, H. A., 618
Sterland, E. G., 71
Stern, Sir A., 221
H., 918
H. H., 446
K., 615
Steven, H. M., 471, 478
M. A., 486
M. K., 834
R. E., 458
S. J. H., 876
Stevens, A., 504
C. B., 137
C. E., 348, 362
E. L., 758
J., 844
M. A., 692
P. F., 1234
P. G., 847
P. T., 146, 191
S. P., 772
T. S., 398
W. A., 719, 721
Stevenson, A. C., 242

Stevenson, A. C., M.D., 536
A. F. C., 707
D. A. B, 631
D. O, 404
D S., 510
E. B., 723
G. H., 368
G. H., Canada, 738
G. H., Scot., 511
J., 64
J. E., 280
J. W., 611
P., 863
R B. C., 803
R. W H., 472
S., 156
W. D., 583
Steward, G. C, 447
Stewardson, E A, 452
Stewart, A, 850
A., M A., 385
A, Ph D., xxviii, 552
A G, 724
A H., 334
A J, 616
A. M, 816
A. P, 658
A. W. K, 518
B., 619
C, 516
C. A., 400
C. B., 581
C B, F.R C S, 637
C. C, 611
C. H, 481
C. P, 482, 489
D. A., 659
D. R, 557
D. S, 484
E, 496
E. G. F, 485
F. H., 102
F H, M.D, 701, 719
F. S., 1237
G, 864
H., 460
H. C., 281
H. H., 672
H. L., 580
H S, 624, 626
I. McD. G., 55
J. C., 781
J. D, 470, 477
J. I M, 360
J. P, 493
J. R., 164
J R B., 797
Rev. J. S., 483
K. F, 218
M., 830
Mrs. M., 104
M A., 154
P. K., 462
R. C., 617
R. H., 534
R. L., 491
R. R., 1072
S. E., 693
S. M., 402
S. O., 163, 455
Stewart, W., 24
W., B.Sc., 522
W. A. C., 455
W. C., 552
Hon. W. D, 833
W. F. M., 486
W. J., 772
W. M., 46
Stewart-Hay, R. K., 634
Stewartson, K., 47
Steyn, D. G., 886
H. S., 881
J. G. N., 885
W. J. A, 895
Steytler, F., 875
J G, 863
Stickland, L. H, 133
Stickwood, A. M, 619
Stiles, R. D., 699
W., 23
Stiling, F., 736
Still, J. L, 797
R. J, 139
Stillwell, E. C, 722
Stimson, V. R, 810
Stinson, F. A., 723
Stirk, K. G. B, 1056
S. D., 633
Stirling, Mrs. A. C, 496
J., 145
M., 525
R. I, 481
Stirrat, J. H, 554
Stirrup, H. H., 338
N., 323
Stiven, D, 525
Stobart, C. E., 97
Stobie, H, 271
M. R., 632
W, 354
W. G., 632
Stobo, A. J. H., 803
Stock, A., 810
A. G., 1064
D. H., 552
F. E., 1080
J, 666
M, 624, 625
V F., 714
Stockdale, D., 63, 78
Sir F., 1105
Stocken, L. A., 345
Stocker, K. H., 845
W. N., 389
Stockmeier, Fr. M, 111
Stocks, Mrs. J. L., 249
Stockwell, A. W., 835
W. C., 611
W. G., 617
Stoddard, C. C., 583
R. H., 581
Stoeckel, R. W., 698
Stogdill, C. G., 665
Stoker, F. M. L., 896
H. G., 893
J. T., 471
M. G. P., 73, 76
Stokes, A. B, 715
A. R., 209
E., 813
Stokes, E. H., 803
E. T., 1083
J. F., 286, 288
R. H., 816
Stone, A. H., 314
Rev. C. W. F., 588
E., 313
F. S, 45
J., 801
J. R. N., 64, 79, 248
J. S., 569
L., 360, 368
L. W., 208
M. H., 1039
S. L., 428
Stoneley, R., 65, 80
Stoneman, W. E., 392
Stoner, C. R, 221
E. C, 129
Stones, E. L. G., 505
H. H., 156, 158
Stoney, A. J. M'C., 788
Stonier, A. W., 244
Stoodley, J., 791
Stopford, Sir J., xxviii, 308 318
S. C. D, 130
Stopp, F J, 66
Storer, R, 818
Storey, G, 85
R J., 112
Storr, E, 699
Storrie, F. R., 503
W., 711
Storring, F. K, 115
Storrow, J. A., 323
Story, J. D., xxix, 787
Stott, Sir A. W., 289
Stoughton, R. H., 394, 1232
Stout, A. K., 799, 800
R J., 1094
T. D. M., 843
Stovel, J. A., 631
Stow, H. F., 913
Stower, W. J, 444
Stoy, P. J., 536
Stoye, J. W, 363
Strachan, A. S., 918
C., 472
G. I., 435
I., 26
T., 522
Strahan, J. H., 1084
Straker, E. J., 107
Strang, A., 509
R. R. S., 30
Strange, S., 242
Strangeways, D. H., 533
Strasheim, E. A., 885
Strasszacker, R. L., 900
Strathdee, R. B., 470
Strathy, E. G., 731
Strating, Mrs. H. H., 882
Stratton, F., 318
F. J. M., 77
Straumann, H., 342
Straus, M. A., 1056
Strauss, C. A., 881
E. B., 276
H. J., 878

Straw, S. H., 312
Strawbaun, A. E., 911
Strawbridge, H. T. G., 154
Strawson, P. F., 368
Strean, G. J., 614
Streat, Sir E. R., 374
Street, H., 313, 327
H E., 309, 343
R., 336
R. O , 518
Streeten, P. P., 358
Strehlow, T. G. H., 757
Strelen, Mrs. B., 880
Stretton, H , 358
Strevens, P D , 1091
Strickland, E. H , 551
Strickland-Constable, R., 199
Stringam, E. W., 634
Stringer, A , 54
H C. W., 831
Mrs. T., 837
Strockenström, E., 900
Stroh, A. N , 896
Stroick, Rev. C , 667
Struth, M. le V., 361
Struthers, D , 511
J., 512
R. G., 718
Stuart, A , 441
A. L , 1107
C H , 360
Mrs D , 1000
E. A., 614
E. R., 1234
F W , 33
G. M., 496
Mrs. H. S. M., 421
J. E., 474
L. D., 554
W. R., 557
W. S , 137
Stuart-Harris, C. H., 402
Stubbings, F. H , 63, 77
Stubbs, H. W., 440
J. J., 136
Stuckey, E. S., 805
L. R., 568
R. W., 1097
Studdy, A. S. B., 802
Stump, C. W , 796
Stuntz, B., 975
Sturdy, J. H , 556
Sturrock, F. L., 861
G. M., 527
J., 492
Sturt, H. N., 938
M., 24
Style, D. W. G., 207
Styler, Rev. G. M., 60, 76
L. M., 359
W. E., 325, 326
Styles, H. J., 671, 672
P., 26, 42
Subba Bhatta, K., 1008
Subba Rao, B. R., 1008
G., 940
N. S., 941
V., 1018, 1019
V., M.A., 944
V., M.Sc., 944
Subbarama Iyer, C. V., 1042
Subbarao, R., 1047
Subbaraghava Kavi, K. V., 949
Subbaramiah, K., 944
Subbaraya, T. S., 1009
Subbaraya Mudaliar, T. V., 1009
Subbaraya Sarma, P., 997
Subbiah, A , 947
Subham, A., 1063
Subrahmaniyam, Y. K , 1021
Subrahmanya Ayyar, A. C., 947
Subrahmanya Mudaliyar, M., 948
Subrahmanya Pillai, C., 948
G., 949
Subrahmanya Sastriar, V., 948
Subrahmanyam, C., 1083
D., 952
D. S., 944
K , 1048
V. P , 941
Subrahmanyan, S., 947
Subrahrmanya Sastry, K. V., 940
Subramania Sastri, S., 998
Subramaniam, M. K., 1051
Subramanian, S S., 942
Subramanyam, V., 1048
Subramoniam, S., 1020
Subzari, S., 1065
Suckling, N. C , 111
Sucksmith, W , 400
Sud, P L , 972
Sudan, Gov. of, 1107
Sudarsana Rao, K , 942
Suddaby, E., 441
Suffel, G. H., 736
Sufi, H. A. A., 934
Sugden, R., 771
S , 238
T. M , 63
Suggett, Mrs. H., 208
Sukhia, S. P , 928
Sukumaran, K., 1003
Suleman, M., 1025
Suley, A. C E., 240
Sullivan, Rev. B. F., 691, 693
Rev. E. J. J., 708
Rev. J. A., 682
J. T. A., 714
Sultan, M., 992
Sultan Bawa, M. U., 1054
Sultana, R., 1026
Sumbha, G. M., 1019
Sumi, E., 633
Sumitra, K., 1017
Summerfield, A., 244
Summers, G. M., 234
V. K., 154
Summerson, J. N., 157
Sumner, B. H., 357
G. V., 895
W. L., 334
Sundara Rao, M. B., 1010
Sundarachar, C. K., 1009
Sundaralingam, V. S., 999
Sundaram, Mrs., 1026
Sundaram, N. K., 926
P. S., 1048
S , 948
Sundararaja Naidu, V., 1042, 1043, 1045
Sundararajan, P. R., 999
Sundarasiva Rao, B., 942
Sundarsan, K. N., 1047
Sunderland, S., 770, 784
Sundra Rao, W. V. B., 975
Sundram, P. M., 1026
Sur, N. K., 941
Surerus, J. A., 706
Surey, S., 1020
Suri, C. L., 972
S. P., 971
S R , 980
Suroor, Al-i-A., 991
Suryanarayana, S , 1000
T., 1001
Suryanarayana Rao, K., 941
Suryanarayanan, D., 949
Susman, E L., 803
M. P., 804
Sussex, R T., 773
Sutcliffe, F. E., 312
F. K., 137
J F , 207
Sutherland, A. C., 112
C H., 524
C. H. V., 350, 359
D. McK., 320
Mrs. D. R., 347, 371
E , 483
G. A., 315, 329
G. B. B. M., 95
G. B. H., 801
H. B., 508
I., 658
I. L. G., 836
J., 484
J. K., 45, 57
J. R., 222, 454
J. W. R., 421
L. S., 371
M. B., 532
M. D., 788
R. J., 709
R. M., 518
T. M., 483
T. W.,133
W. D., 508
Sutton, C. W. H., 370
D. J., 759
G. D., 884
G. E. F., 50
I., 134
J., 201
L. E., 346, 362
N. G., 790
W. A., 836
W. G., 910
W. J. L., 721
W. S., 153
Suzman, M. M., 912
Sved, G., 757
Swaby, L. J., 778
R. A., 1100
R. J., 802
Swaffer, A., 309, 316

Swain, R. H. D., 489
Swaine, D. J., 771
W., 307
Swainson, B. M., 451
S. W., 472
Swallow, Mrs. O., 567
Swami Ayyar, V., 948
Swami Das, P., 1009
Swaminathan, B., 1000
K., 999
Swamy, S., 1026
Swan, D. C., 761
G. A., 108
J. B., 818
T. W., 768
W. M., 537
Swanepoel, K. J., 885
Swaney, W. E., 770
Swank, R. L., 613
Swann, M. M., 70, 78
S. A., 334
Swannell, J. N., 459
Swanson, G. C., 511
W. C., 527
Swanston, C. N., 490
Swart, J. C., 902
P. R., 905
Swartz, D., 637
Swarup, D., 952
Swavely, Rev. C. H., 943
Swedlund, B. E., 843
Sweeney, G. M. J., 871
Sweet, P. A., 502
Sweeting, M. M., 86
Swellengrebel, N. H., 301
Swenson, E. G., 693
Swiatecki, W. J., 27
Swiegers, D. J., 881
Swift, B. H., 760
H. B. N., 978
H. W., 401
L., 592
N. H., 780
Swinarton, L., 726
Swinbanks, D. B., 517
Swinburne, H., 441
Swindell, G. E., 472
Swindells, B., 72
Swinnerton, H. H., 339
Swinton, Sir E. D., 357
Swire, M., 130
Sword, J. H., 458
J. H., Canada, 726
Syal, R. D., 978
Sydney, Gov. of, 796
Sydnor, C. S., 366, 1259
Syer, F. J. D., 774
Syfret, R. H., 85
Sykes, C. E., 316
E. G., 53
E. I., 789
F. C., 318
I. J., 111
J., 104
J., Ph.D., 440
J. G., 135
K. W., 431
L. C., 452
M. H., 313
Rev. N., 64, 77
Sykes, P., 63, 82
Rev. W. D., 55
Sylvester, D., 312
Sylvester-Bradley, P. C., 399
Sylvestre, J. E., 598
Syme, A. C., 516
R., 348, 359
Symes, E., 460
Symington, N. J., 802
T., 510
Symmers, W. St. C., 32
Symmons, H. F., 830
S., 472
Symon, F. J., 518
Symonds, Sir C., 259
J. L., 768
Symons, A. S. M., 307
D. J., 53
H. W., 134
J. R., 447
N. B. B., 527
Synge, V. M., 1237
Syrett, P. J., 238
Szekeres, G., 758
Szendrei, M. E., 896
Szigeti, B., 149
Szyrynski, V., 665, 668

Tabone, Very Rev. P., 1087
Tabor, D., 63
Taggart, R., 537
Taher, N. A., 1022
Taheruddin, A. M., 1063
Taig, T., 45
Tailby, S. R., 306
Taillon, Br. L., 686, 687
Mrs. S. F., 667
Taimni, I. K., 937
Tait, D., 1090
F. S., 31
H. P., 489, 493
J. M. L., 513
J. S., 306
M. D. C., 703
R. F. W., 861
R. W. F., 758
Takeshige, M., 610
Talaty, E. R., 1016
Talbot, A., 201
E. M., 346
G., 319
L., 593
R., 594
W. J., 862
Talbott, A. C., 109
Talib, G. S., 979
Taljaard, J. A. L., 893
M. S., 901
P. A., 890
Tallerman, K. H., 264
Tallin, C. K., 631
G. P. R., 637, 638
Tallon, G. M., 798
J. A., 666
Tallot, J., 65
Talman, J. J., 735, 736
Talmon, S., 127
Talukdar, A. H., 1063
Talwalkar, S. G., 957
Tamaskar, B. G., 1018
Tamaskar, D. G., 1017
Tambe, Y. S., 1014
Tambiah, M. S., 1054
Tamhane, S. N., 1014, 1015
Tampy, T. P., 1042
Tan, Mrs., 1085
Tancock, L. W., 240
Tandon, L. C., 929
L. N., 992
M. B., 988
S. L., 971
Tang, E. K. H., 1079
Tanghe, R., 645
Tannahill, T. R., 502
Tannenbaum, B., 909
Tanner, C. P., 113
D. M., 716
H. G., 44
T., 458
Tansey, A. W., 112
Taplin, K. W., 817
Tapp, E. J., 810
F. M. M., 316
Tappe, E. D., 188
Taqi, S. M., 991
Taraporwala, S. P., 956
Tardif, A., 594
Tare, V. E., 1015, 1016
Tarrant, G. T. P., 836
Tarte, B., 664
Taschereau, A., 597
Taseer, M. D., 1072
Tasker, D. G. C., 51
Rev. R. V. G., 168, 254
Tatchell, A. R., 252
Tate, B. C., 31
H., 606, 609
J., 398, 406
Mrs. L. A. S., 637
P., 62
R. B., 316
Sir R. W., 1233, 1235, 1236
Tatham, G., 705
Tatlow, A. E., 445
J. C., 23
W. F. T., 50
Tattam, C. M., 774
Tattersall, E. M., 810
N., 436
R. N., 132
W. R., 527
Tattersfield, F., 305
Tauman, L., 817
Taunt, D. R., 67, 78
Tauring, A., 604
Taute, B., 900
Tavener, L. E., 458, 462
Tavenner, R. W. H., 34
Taverner, D., 132
L., 911
Tawney, R. H., 216
Tayeau, F., 41
Tayler, D. de P., 843
N. H., 707
Taylor, A. B., 31
A. B., M.A., 812
A. C., 196
A. J., 241
A. J., B.Sc., 195

Taylor, A. J., Can., 547
A. J. E , 149
A. J. P., 349, 363
A. L., 111
A. L., M.D., 50
A. M., 225
A. M., Ph.D , 459
A. R., 126
A. R., Canada, 658
B. A., 849
B. C , 720
C. A., 324
C E , 338
C. W., 30, 31, 32
D , 482
D , M A., 784, 1091
D. B. C , 152, 334
D G , 427
D. W., 473
E G , 518
E. M , 718
E O., 495
F. A , 347, 359
F. H , 338
F W , 446
G., 705, 720
Sir G , 765, 769, 784
G. A , 470
G. B , 549
G. C., 528
G. E., 633
Sir G. I , 83
H., 265
H., N. Staffs., 455
H. E., 401
H. J , 958
H. M , 60, 75
H. M , M.B., 803
H. W. Y., 481
J., 518
J., M.S , 287
J A , 416
J. B., 551
J. C , 535
J. C., B.A , 735
J. C., Tor., 723
J. G., 862
J. H., 209
J. H., B.A., 605
J. H , M.B , 524
Mrs. J. M , 110
J. S., 325
J. T. C., 49
J. W. F , 1084
K. A. B , 525
Rev. K. E., 575
M. A., 791
M. B., 45, 52, 54
M. C., 163
M. E., 393
N. W., 810
O. R., 416
P., 112
Mrs. P., 570
P. A. M., 473
P. W. E., 217
R., 481
R. A., 521
R. B., 740
R. C., 34
Taylor, R. J., 432
R L., 816
R. R., 488
R. S., 289
T. G , 769
T G , Reading, 393
T M , xxviii, xxxi, 469, 1231
T. M. C , 566
T. W. J., xxx, 1099
W. A., 31
W. A., B Sc., 510
W. D , 480
W. H. 68
Mrs. W J., 213
W R , 53
W. R , D.D , 707, 721
Rev W S , 575
W. W., 103
Tazelaar, M. A , 1091
Te Groen, L. J , 885
Te Water, C , 879
Teago, F J , 151
Teakle, C T , 605
L J. H , 787
Teale, A E , 455
Teall, C G , 32, 33
Teare, R D , 278
Teather, I , 446
Tebb, C. P , 848
Tebbie, R. S , 129
Tedder, Lord, 60
Teece, R. C., 801
Tegner, W. S., 265
Teicher, J L., 74
M. I., 719
Teichert, C., 774
Telang, D. M., 957
M S , 1014
P S., 1018
Telfer, J , 107
J. M., 102
M A , 796
S. V., 515
Rev. W., 64, 82
Telford-Govan, A. D , 510
Telling, O. M., 132
Temby, R. P., 770
Temkin, L., 144
Temperley, B. N., 58
H. N. V., 69, 79
Tempest, N. R., 163, 408
Temple, G , 209
Templeman, G., 26
Templewood, Visct., 390
Tendolkar, G. S., 956
Tennalcom, G. E., 1057
Tennant, Rev. F. R., 83
Tennent, A. G. C., 773
R., 511
Tenniswood, C. R. S., 1097
Tennyson, Sir C , 191
Teoh, T. B., 1079
Terblanche, H. J., 870
Terland, A., 646
Ternouth, E. J., 391
Terreni, J., 1086
Terrey, H., 238
Terrien, J., 666
Terroux, F. R., 607
Terroux, K. G., 608
Terry, A H , 534
C. S., 518
Teskey, B. J. E., 723
Tessier, Rev. A., 602
Tessier-Lavigne, Y., 649
Tetley, J. H., 850
Tetstall, R. G , 426
Teverson, E. M., 35
Tew, J. H. B , 334, 765
W. P , 738
Tewari, B. S., 990
K. D , 988
R. B., 992
S S., 990
Thacare, C. M., 994
Thacker, M. S , 1051, 1052
T W., 102
Thackeray, E. R , 695
Thackray, H. E., 127
Thadani, J. N , 972
N. V., 972, 975
Thaddaeus, J. F., 1002
Thakur, S B , 1020
S. M. P. O. N., 952
Thakurdas, F. S., 975
S F., 974
V , 973, 976
Thall, B. M., 712
Thambipillai, V , 1082
Thampan, R. K. K., 1003
Thanabalasumderam, R. S., 1057
Thanekar, P. N , 1018
Thangaiyan, C , 948
Thangaraj, M. A., 1000
Thangryyan, Mrs. S., 947
Thapar, G. S , 992
Thatcher, F. S., 618
R. S., 305
W S , 60, 66, 85
Thate, V. D , 1025
Thatte, V. N , 1019
Thawani, V. D., 984
Thayumanaswamy, V. R., 1003
Theakston, H. R , 579
Theal-Stewart, E., 861
Thekekara, Rev., 999
Theobald, A. B., 1107
L. S., 199
Theodosia, Mother M., 1030
Theodosius, Rev. Fr., 1002
Theophilus, S. C., 1015
Thérien, M., 597
Theron, A. S., 876
C. J., 903
E., 902
J. J., 879, 883
M. E., 862
P. A., 902
Theunissen, K. B., 871
Thexton, R., 494
Thiagarajan, V. A., 1008
Thibaudeau, Rev. Sr., 667
Thibault, A., 593
Thiel, C. C., 393
Thiele, F. D., 460
H. W., 789
Thiman, E. H., 307

Thirkill, H., 75
Thirlaway, H. I. S., 798
Thirlby, G. F, 216
Thirsk, H. R., 108
Thistlethwaite, F., 64, 82
Thivierge, Rev. E, 662
Thoday, D., 420, 424
J. M., 398, 401
Thode, H. G., 624, 625
Thom, A, 346, 359
A. S., 508
A. T, 613
H. B, 901
Thoma, H. H. K., 209
Thomas, A, 974
Mrs A. E, 918
A J, 437
B., 426
B, M Sc., 112
B., Ph.D, 418
C. J., 458
C. P., 289
C R, 452
D L, 112
D. L., B Sc., 202
D. M. E, 436
D P, 145
D. W, 74, 81
E., 224
E, B.Litt, 393
E. E., 150
E. G., 287
E. R., 109
E. V, 574
G., 29
G., B Sc, 201
G., M A, 1044
G. E, 155
G. E., F.G.S., 459
H., 426
H A, 437
H. H., 76
H. M, 736
H. O, 1095
Rev. I, 412
I. G., 907
I. M., 759
Mrs J, 126
J. A., 421
J. A. C., 335
J. C., 460
J. G., 225
J. G., B.A., 416
J. H., 426
J. L., 53
J. M., 364, 368
K. P., 1003
L., 1000
L. E., 421
L. F., 23
L. G., 551
L. H. C., 127
L. S., 429
M., 98, 108
M., M.Sc., 244
M., Wales, 424
Miss M., 974
M. B., 85
M. G., 910
M. G. L., 85
Thomas, M. H., 524
M. O., 997
N, 323
N. J., 723
O. F., 153, 154
P. C, 984
P. G., 192
P. J. B., 437
P. T., 417
R. G, 426
R. H., 26
S, 426
Miss S., 973
S. C, 659
T. C., 72, 84
T. L, 202
T. W., 433
W. D., 431
W. D. E, 54
W. J., 131
W. J T., 437
Thomass, L. H., 840
Thompson, A, 112
Mrs A. A., 112
A F, 368
B J, 659
C H, 389
C H, M.A., 60, 71
C. W., 697, 699
E A, 334
E. C, 349, 361, 362
E. J., 558
E. L., 797
E. M, 862
E P, 138
F C, 252
F. C., D.Met, 314, 321
Rev. G., 732
H. W., 345, 366
I. D., 534
I. M, 630
J. A., 112
Rev. J C., 805
J. G., 865
J. H., 689
J. H., B.Sc., 245
J. H. C., 349, 359, 368
J. M., 145
J. M. C., 470
J. R., 398
J. S., 145
L. M, 580, 584, 659
L. M., Cape Town, 862
M., 222
M. H., 730
M. M. A., 840
M. S. H., 230
N., 47
Rev. P. J., 446
R., 334
R. B., 114
R. H. S., 258
R. H. T., 836
R. M., 546
R. P., 835
R. S. H. G., 201
S., 643
S., M.D., 114
S. Y., 394
V. C., 265
Thompson, W. A., 735
W. A., F.R.C.S.Ed., 153
W. H., 546
W. P., 689
W. R., 602
W. T., 712
Thomson, A., 507
A., M.A., 709
A. F., 1103
A. G., 774
A. K, 788
A. M., 475
A. P., 31, 32
A. P. D., 22
A. S. T., 517
D., 66, 83
D. C., 801
D. F. F., 770
D F. S., 703
D. L., 604, 611, 620
D. S, 503
D. W, 568
E. I M., 484
G., 23
G., Ph D, 503
G. C., 915
G. G., 848
G. H., 470
G. H., B.Com., 516
Sir G. H., 484
Sir G. P., 202, 1238
Rev. G. T., 483
H. J, 420
H. M. S, 829
I. S. D., 475
J., 525
J., M.D., 489
J., Ph D, 502, 514
J. B., 829
J. G., 491
J. O., 23
J. S, 609, 620, 680
M. A., 148
M. H., 624
M. L., 317
M. N., 896
N. F., 845
P., 399
R., 103, 104
R. B., 397, 410
R. H., 470
R. K. C., 555
R. M., 570
S., 261
Scott, 436
S. H., 730
S. J., 503
S. L., 837
T., 421
V., 845
Thorburn, A., 24
S., 1108
Thorlakson, P. H. T., 637
Thorley, N., 111
Thorn, G. D., 653
Thorne, Mrs. E., 192
H. H., 799
H. L., 458
N., 425
Thornely, J. W. A., 72, 83

Thornely, T., 95
Thorneycroft, G., 372
Thornhill, Rev. R., 102, 104
W., 398
Thornley, D. G., 309
Thornton, A. H., 337
A. H. F., 828
A. P., 367, 471
E. H., 1235
Rev. H , 830
H. G., 307
H. R , 553
J. C., 373
S., 103, 104
Thornton-Smith, G. J , 777
Thorp, R. H., 799
Thorpe, A , 908
E , 33
E. M , 215
E. W. R., 810
F. T , 403
H., 26
L., 335
W. H., 65, 78
W. V., 28
Thorssen, L. A., 553
Thorsteinson, A. J., 635
Thosar, B. V., 1019
Y. V., 1019
Thouless, R. H., 64, 76
Threlfall, M. S., 698
Threlfell, R. L., 895
Thrift, E. W., 630
H., 1233
Thurgar, C. J. L., 113
Thurston, H. A., 47
Thwaites, B., 198
M. R., 773
Thyagaraju, A F., 940
Thyne, J. M., 121
Tibble, J. W , 451, 453
Tibbs, S. R., 324
Tickle, R. J. S., 321, 322, 1084
Tidmarsh, C. J., 613
Tiedt, J., 892
Tiegs, O. W., 777, 782
Tierjens, O. G., 1051
Tierney, J. J., 1245
M., 1242, 1245
T. F., 256
Tiffen, R. W., 196
Tigges, W., 661, 663, 665
Tilak, B. D., 955
Tillett, A. C., 757
M. G , 25
Tilley, A. R., 676
C. E., 68, 77, 833
Tillmann, W. J., 741
Tillotson, G., 195, 197
J. G., 659
Mrs. K. M., 192
M. C., 671
Tillyard, E. M. W., 65, 78, 730
Timberlake, E. M., 192
Timiras, N., 666
Timlin, M. F., 690
Timman, R., 162
Timmer, B. J., 222
Timmermann, E. D., 617
Timoney, J. R., 1246
Tinbergen, N , 352
Tincker, M. A. H , 477
Tindal, A., 509
Rev W. S., 483, 495
Tindall, F , 677
Tinker, H. R., 232
S R , 410
Tinley, N. L., 253
Tinne, C. E., 370
Tinsley, Rev. E. J., 446
J , 393
Tipman, E., 558
Tipper, Mrs. C. F., 71
C F. H., 482
Tirol, M., 680
Tirugnanasambandam, P , 948
S , 948
Tirunaranan, B. M , 999
Tiruvenkatachari, V , 947
Tisdale, P. K , 636
Tisdall, F F , 730
Titchmarsh, E. C , 348, 364
Tite, K , 363
Titlestad, R M., 880
Titmuss, R M., 217
Titterton, E. W , 768
Tittley, J. R., 665
Titwavadi, G. R., 1015
Tiver, N. S , 761
Tiwari, Mrs. P , 993
S. P , 1018
Tizard, Sir H , 457
Tobin, Rev. C , 684
J. J W. O'H , 317
Tocher, K. D., 201
Tocker, A. H., 838
Tod, H., 496
M. C , 320
Todd, A. C., 442
A. R., 62, 75
C., 896
C. M., 828
F. M., 822
H., 47
J., 212
J. A., 67
J. P., 518
K. W., 162
R. M., 152
T. R. R., 492
Todhunter, K. H., 323
Toerien, L. I., 900
Toh, C. C., 1083
Tokhi, M. R., 1016
Tolansky, S., 225, 342
Tole, P. M., 957
Tolkien, J. R. R., 347, 363
Tolson, J. E., 405
S., 209
Tolton, W. D., 722
Tomacelli, E., 1236
Tomaselli, U., 907
Tombs, D. M., 200
Tomkieff, Mrs. O. G., 110
S. J., 110
Tomkins, J., 424
Tomkinson, A., 313
Tomlin, D. H., 392
S. G., 759
Tomlinson, F. R., 883
H., 61
L., 346, 373
M. L., 346
T. B , 458
Tommerup, E C , 787
Tompkins, F. C., 199
J. M S , 224
Tompsett, S. L., 489
Toms, E., 505
Tong, R. P , 221
Tonge, C. H., 113, 116
Tongue, Rev. D H., 55
Tonning, D. J., 581
Toogood, J. A., 553
Toole, F J., 658
Tooley, M. J., 192
O M , 243
Toombs, F. C., 709
M. P., 690
Toomer, J. E , 712
Toovey, J. A., 227
Tooze, M. J., 762
Topalian, S., 230, 231
Topping, A., 299
C. W., 567
Mrs. J., 224
Topsfield, S. G., 441
Torchinsky, B. B , 692
Toreson, W. E., 614
Tornehave, H. M., 622
Torrance, Rev. T. F., 483
Torrens, D. S , 1236
R. W., 736
Torto, F. G. T. O'B , 1090
Tosselli, W. E., 723
Tostevin, A. L., 760
Tottle, C. R., 110
Toulemon, P. R., 522
Toulmin, S. E., 79, 350
Tourangeau, F. J., 598
Tout, H., 344
Tovell, W. M., 706
Tovey, G. H , 49
Towers, B., 44
H., 518
J. R. H., 132
R., 146
Towler, J. H., 136
Town, B. G., 275
Towndrow, F. E., 786
Townend, G. B., 146
J , 245
P. P., 137
Townley, J., 335
Towns, F. W., 313
Townsend, A. A., 77
D. A. E., 653
G. F., 722
Rev. H., 331
R. L., 865
S. L., 778
S. R., 613
W. G., 817
W. N., 130
Townsley, W. A., 813
Toy, R. H., 839
Toynbee, A. J., 216

Toynbee, J., 63
J. M. C., 86
Tozer, A. H. D., 146, 150
C. F., 201
Tracy, C. A., 690
C. R., 658
G. F., 711
H. L., 672, 679
Rev. M., 1243
P. J., 432
Tranter, T. C., 125
Trapp, J. B., 844
M. A , 619
Travancore, Maharaja of, 1042
Travis, J., 575
Treadgold, W. M., 711
Trease, G. E., 336
Treatt, V. H., 801
Tredennick, H., 224
Tredre, R. F., 300
Tree, Rev. R. J., 463
Tregarthen, G. G. T., 116
Trehair, E. B. H., 914
Treharne, R. F , 416
T. L. G., 201
Treharne-Williams, M., 227
Treloar, H. M., 775
Tremblay, A., 592
Rev. A., 662
G., 595
J., 648
J. L., 591, 595
L. P., 663
M., 595
Tremble, G. E , 614
Tremlett, L., 324
Trempe, F., 598, 599
Trench, S. M. C., 372
Trend, J. B., 41, 70, 75
Trendall, A. D., 797, 798, 806
Trengove, J. J., 883
Trent, Lord, 333, 341
Trépanier, E., 595
Tresidder, M. I., 719
Tress, H. J., 401
R. C., 215
Treston, H. J., 1250
Trethewey, W. H., 705
Trethewie, E. R., 776
Trevan, J. W., 243
Trevaskis, J. R., 81
Trevelyan, C. H., 79
G. M., 83, 97
Trevethick, R. A., 404
Trevor, D. T., 256
J. C., 61
Trevor-Roper, H. R., 360
Trevoy, L. W., 689
Trew, V. C. G., 191
Treweek, A. P., 238, 798
Trewhella, N. J., 772
Triadú, J., 148
Tribe, M., 210
Trickett, M., 446
W. H., 141
Triebel, L. A., 813
Trier, J., 41, 248, 409
Trigg, C., 426
Trigge, Rev. H. H., 791
Trikojus, V. M., 770
Trim, J. L. M., 243
Trinca, A. J., 781
Tripathi, P., 973
R. P., 937
Trippett, S., 83
Tristram, H., 237
Tritsch, F. J., 22
Trivedi, C. L. M. L., 978
Mrs. T. K., 1015
V. B., 990
Tropper, A. M., 222
H., 221
Trost, W R., 578
Trott, A. L., 416
N. G , 210
W., 630
Trotter, P. A., 43
R. G., 673
W. D., 830
Troughton, A., 418
Trounson, E. W. N , 114
Troup, G. S., 835, 837
Trout, A. M , 459
Trow, E. J., 714
Trowell, Mrs. K. M., 1097
Troye, A. D., 911
Trubshaw, W. H D., 914
Trudeau, Rev R., 661
Trudel, M., 593
Rev. R., 662, 667, 669
Trudgian, H. M., 102, 105
Trudinger, P. A., 756
Trueman, A E., 1232
A. W., xxviii, 658
E. R., 447
K R., 637
Truesdale, A. M , 120
Truesdell, C. A., 730
Trueta, J. A., 354, 369
Truman, T. C., 789
Trumble, H. C., 761, 779
Trump, H. J., 53
Trümpelmann, J , 881
Truscott, J. H. L., 723
Trussell, P., 567
Truter, E. V., 138
Mrs. E. V., 124
R., 900
S. J., 872
Trypanis, C. A., 348, 361
Tsao, J. C., 1080
Y. T., 230
Tuba, J., 549
Tubbs, A. E., 24
F. R., 304, 305
O. S., 276
Tuck, E. N., 59
H. P., 812
J. P., 109
R. H., 393
Tucker, A. N., 231
B. W., 352, 365, 366
G. E., 570
G. N., 556
G. S. L., 778
Rev. H., 653
H. F. G., 53
M. K., 912, 914
S. H., 503
Tucker, S. I., 46
Tuckfield, W. J., 781
Tuckman, J., 699
Tuckwell, E. G., 276
Tudhope, G. R., 526
R. G., 517
Tudor, G. D. C., 442
Tudway, R. C., 51
Tuft, P. H., 486
Tull, E. H., 737
Tulloch, W. J., 525, 528, 529
Tully, J. P., 567
Tunbridge, R. E., 132
Tunis, A., 639
Tunnicliffe, H. E., 69, 77
Tunstall, N., 129
W. C. B., 217
Tupling, G. H., 313
Tupper, K. F., 710, 725
L. A., 626
R. de H., 617
Turberville, D. W., 117
Turcot, J., 597, 599
Turgeon, H., 597
J., 594, 596
Turing, A. M., 79
Turkington, J., 839, 840
Turley, R., 107
Turnbull, A. D., 699
G. H., 398
H. I., 804
H. W., 512
J. H., 23
Turner, A. C., 505
A. L., 777
B. E., 272
C., 323
D. G., 53
D. L., 65
D. M , 130
E. E., 191
E. G., 238
E. G., M.Sc., 398
E O., 658
F. C., 401
F. McD. C., 79
G., 737
G. H., 131
H. A., B.Sc. Lond., 336
H. A., M.Sc., 323
H. A. F., 311
Canon H. E. W., 103, 362, 370
H. M., 403
H. W., 46
I. A., 395
J., 148
J. A., 641
J. D. P., 382
J. S., 127
J. S., Ph.D., 82, 771, 784
J. W. A., 275
J. W. C., 72, 84
L. B., 71, 78
M., 333
R., 864
R. B., 309
R. E., 1080
Sir R. L., 229
R. W. D., 490, 493

Turner, Rev. V. G., 371
V. W., 316
W. H. K., 522
Turpin, K. C., 344, 365
Turquet, Mrs G R, 192
Turrell, A. J. W, 404
Turton, L. M., 146
Turvey, R., 216
Turville, A. D., 736
Turville-Petre, E. O. G, 126, 347
Mrs. J. E., 372
Tustin, A., 25
Tutin, T. G., 451
Mrs. W., 451
Tutte, W. T., 707
Tutton, K G, 320
Tweddell, J. T., 675
T. N, 676
Tweed, R. D, 420
Tweeddale, J. G, 202
Tweedi, E. R., 994
Tweedie, A. D., 829
J., 817
W. W, 528
Tweedsmuir, Lord, 469
Twine, S. W., 862
Twist, W D, 35
Twohig, M. J, 397
Twomey, J. C., 914
Twyman, E S., 23
Tyabji, Justice H. B., 1075
Tyas, Mrs. K. J, 322
Tyldesley, W R, 322
Tyler, A. E., 372
C., 392
J. E., 399
R. D., 201
T. H., 353, 358, 360, 369, 370
Tymms, R. V., 224
Tyndale, O. S., 603
Tyrer, J. W. H., 803
Tyrrell, H. J. V., 398
Tyson, A. G., 761
M., 308, 314
Tytler, W. H., 439

Ubbelohde, A. R. J. P., 532, 539
Udaipur, Maharaj Rana of, 1036
Uddin, S. M., 933
Ufford, J. R., 697
Uhrich, Hon. J. M., 689
Uldall, E. T., 487
H. J., 484
Ullman, S. de, 506
W., 66
Ullswater, Visct., 143, 212
Umamaheswara Rao, G. V., 942
Umaruddin, M., 934
Un, P., 1080
Underhill, F. H., 706
Underwood, E. A., 244
E. J., 816
F., 336
G. L., 1099
R. G., 185
Underwood, V. P., 111
W. E., 914, 915
Unger, J, 26
Ungley, C. C., 114
United Provinces, Gov of, 928, 988
Unkauf, Mrs. M., 633
Unrau, J., 553
Unsworth, S. V, 155
Unthank, H. W., 442
Upadhya, S. D., 1031
Upadhyaya, B, 1029
Upadrashta, V. K., 940
Upshall, M, 575
Upton, C J. F, 775
Ure, Mrs A. D, 391
P, 110
Urmson, J O, 350, 360
Urquhart, C M, 507
F A, 710
M. C, 672, 674
M L, 813
R. M, 405
Ursell, F, 84
H. D, 128
Urwin, C R, 200
K, 426
Usher, B. D., 613
C M, 494, 499
G. A., 522
Ustinov, P, 156
Uthwatt, Lord, 220, 389
Uttar Pradesh, Gov. of, 952
Uys, A M, 900
C J., 877
D H G F, 882
J F, 900
Uytman, J D, 526

Vachon, Most Rev A, 661
L., 662
L A, 595
Vadya, G W, 1020
Vahiduddin, S., 1023
Vaidya, K. M, 1017
L. S. R., 1022
M S, 1018
S. B., 1015
Vaidyalingam Pillai, P, 948
Vaidyanathaswami, R., 997
Vail, O. I., 325
Vaillancourt, Hon. C., 596
E., 592
Vaines, J. C, 148
Vaisey, M. G., 201
Vaish, J. N., 972
K. N., 994
Vajda, P., 569
Vajravelu Mudaliar, P., 948
Vakil, C. N., 955
Vale, V., 103
Valentin, F. H. H., 869
Valentine, D. H., 101, 104
F. C. O., 264
J., 134
J. A., 828
J. C., 50
M. G., 475
Valieth, G. D., 1003
Valin, R., 593, 602
Valin, R. E., 665
Valiuddin, M., 1023
Vallance, K. B., 145
Vallières, G., 596
H., 594
Vallis, V. T, 791
Valpy, R. D, 697
Van, Rev. P., 1031
van Abbé, D. M., 774
van Biljon, I. J., 902
Van Cleave, A. B, 689
van Deventer, B., 892
van Dongen, L. G R, 913
Van Doren, M., 734
van Drimmelen, G. C, 884
van Eeden, B. I. C., 899
D., 894
H. S., 903
J A, 894
Van Esbroeck, I. G., 343
van Grutten, W. N. C, 91
Van Hagan, J. I., 24
Van Heerden, E., 900
H J, 886
J. S. P. K., 883
van Heyningen, C., 909
W. E, 354
van Hille, J C, 897
van Hoepen, H. E, 885
Van Houten, C. W., 567
van Lingen, B., 912
van Loggerenberg, Rev. J. H., 877
van Niekerk, A. F, 876
van Oudenhove, L. C, 901
van Pittius, E F. W. G., 880
van Pletzen, R, 878
Van Rensburg, B. F. J., 890
D. J. J, 885
J. A J., 902
J. P. J., 899
P. J., 895
S. W., 884
W. J, 876
van Rhyn, A. J. R., 890
G., 877
van Rooy, C. A., 876
D J, 893
H. C, 892
J. C., 892, 894
Van Rooyen, C. E, 717
E. E., 902
G. H., 877
van Schalkwyk, A., 899
T. G. D., 863
van Selms, A., 881
Van Soden, N., 873
van Themaat, H. V., 901
V., 877
van Tonder, A. J., 883
Van Vliet, H., 692
M. L., 558
van Waasdyk, T., 908
van Wageningen, G., 893
Van Wagner, F. M., 617
van Warmelo, N. J., 881
P., 883
Van Wyck, H. B., 713, 714
van Wyk, A., 863
Mrs. A. L., 861

van Wyk, C. B., 871
Van Wyk, E. B., 879
L. P., 883
S. P., 902
T., 891
van Zijl, D., 905
Justice H. S., 899
Van Zyl, A., 910
A. H., 881
G. J., 882
van de Vliet, E , 863
van den Berg, J. A., 892
van den Bergh, A. J., 881, 887
van den Ende, M., 865
van den Heever, C. M., 907
Miss C. M , 877
van der Borght, R., 871
van der Byl, J , 878
van der Gucht, R. E , 863
van der Horst, C. J., 910
J., 873
S T., 861
van der Lingen, J. S., 881
van der Loon, P , 74
van der Mark, J., 893
van der Merwe, A B., 902
C. F., 885
F , 877
G. J , 911
G. W., 883
H. J. J. M., 891
I. R., 877
I. W , 863
J. H., 891
J J R., 901
J. P., 892
J S., 893
P , 899
P. J , 892
P. J. D Litt., 901
P. W., 899
W H., 902
Z. D., 883
Van der Poel, J , 862
van der Riet, F. G , 895
van der Sprenkel, O. P. N. B., 232, 234
van der Spuy, G. Z., 901
van der Walt, A. J. H., 890
J. A., 891
J. J. A., 893
P. J., 882
van der Westhuizen, W. M., 901
van der Westhuysen, H. M., 880, 881
Vance, E. J., 723
Vandal, J. O., 591
Vandier-Nicolas, Mrs. N., 602
Vandry, Mgr. F., xxviii, 590, 599, 602
Vanek, D., 707
Vangikar, M. B., 955
Vanier, G., 649
Vankata Rao, C., 942
Vant, J. R., 555
Vanterpool, T. C., 689
Vanzetti, F., 817
Varadachari, R., 947
Varadachari, S. T. G., 944
V., 999
Varadaraja Ayyar, E. S., 949
Varadarajan, M., 999, 1006
Varadpande, D. V., 1020
K. V., 1015
Vardon, B. M., 632
Vareed, C , 1003
Vargese, S., 993
Varghese, K. I., 1048
Varin, Rev. F., 999
Varis, S A., 1030
Varley, D. E., 337
G. C , 352, 362
H., 319
J H. O., 27
W. J., 1090
Varma, D., 937
G. S , 990
H C., 988
K L , 1037
K N , 1040
M M , 1036
R. K., 937
R R , 997
R. S , 991
S P , 937
Varnavides, P. L., 1108
Varughese, K C., 1031
M , 1003
Vasey, G H , 773, 777, 780, 783
Vass, C. C N., 284
Vassallo, V., 1087
Vasudeva Rao, A., 1011
Vasundhara, Mrs. T., 1000
Vaswani, B. J., 1077
Vati, L , 979
Vaughan, A. C. T., 436
Rev. B. N. Y., 97
E A , 129
H. H., 495
J , 434, 834
J. M., 372
L C., 228
R., 588
R. C., 239
Vautier, C P. W , 850
M. H., 840
Veal, T H. P., 25
Veale, D., 344, 360, 1232
G. C., 143
J. A., 834
Vechter, M., 676
Vedasiromani, J., 1001
Veeraraghavan, T , 948
Veerbhadra Rao, M., 1019
Veit, P. F., 706
Veitch, Mrs. J., 499
Velankar, H. D., 958
Velarde, F. X., 145
Velayudhan, C. K., 1004
Vella, S. L., 1086
Vellacott, P. C., 80
Vellaivaranam, K., 949
Vellasamy, K., 1084
Vellodi, M. K., 1022
Vendryes, J., 41
Vengsarkar, S. G., 958
Veni, V. M., 1017
Venkat Rao, C., 942
G., 941
Venkata Chari, V. P., 1023
Venkata Rao, N., 998
P., 1052
S., 1008
Venkatachalam, K., 1048
Venkatanarayan Rao, Ch., 1014
Venkatanathachari, T. N., 999
Venkatarama Ayyar, K. S., 947
Venkatarama Dikshitar, T , 948
Venkataraman, E., 949
G., 999
K., 955
M., 997
T. K., 999
Venkataramanayya, M., 941
Venkataramiya, H. S., 1009
Venkatarangaiya, M., 955
Venkatarayuda, T , 942
Venkatasubrahmanyam, K. V , 1003
Venkataswami Nayudu, D., 944
Venkatesam, E., 1003
Venkateshwaram, Mrs. K. G., 952
Venkateswara Rao, V , 942
Venkateswaran, C. S , 948
C. S., D Sc , 1042
Venkateswarlu, A., 942
J., 942
V , 941
Venkatraman, S., 1025
Venketasubban, K. R., 1000
Venn, J. A., 80, 95, 1231
Venngopala Rao, P. V., 940
Venning, E. H , 613
Venter, E. H., 877
H., 892
H. J., 882
K. D., 891
Ventress, R. G., 911
Venugopal, M. S., 1003
Venugopalachari, S. V., 1003
Venugopalan, S., 947
Vera, Sr., 1030
Verblunsky, S., 533
Verdier, E. T., 895
Verdon-Smith, W. R., 44
Vergese, M. N., 928
P. I., 994
Verghese, K. I., 1003
Verghis, G., 1019
Verini, E. M., 65, 86, 89
Verity, T. E. A., 324
Verma, A. R., 974
B. L., 972
J. K., 1015
K. C., 1016
M., 1014
M. S., 952
P. S., 952
S., 972
S. C., 990
S. C., LL.B., 938
S. K., 993

Verma, V. B., 972
Vermes, P., 196
Verney, D. V., 150
E. B., 34, 73, 76
Vernon, C. A , 238
F. W., 568
K. C., 1103
M. D., 392
P E., 184
S., 22
W. H. D., 547
Verrayya Pantulu, V , 942
Versey, H. C., 127
Versfeld, M , 861
Vesey-FitzGerald, S. G , 108, 232
Vézina, C., 599, 600
F., 649
Rev. L. P , 668
R., 594
Viau, H., 665, 667
Vick, F. A., 162, 455
Vickers, G. G., 442
G. S., 702
H R , 403
Vickery, W. N., 352, 366
Victor, C., 1004
R. J., 1004
Victoria, Gov of, 770
Vidal, J. A., 648
Videto, H. E. D., 659
Vidigal, B. J. da S , 351
Vidor, M., 150
Vidwans, D. B , 955
Vigayaragavan, W. D., 949
Vigder, J. S , 691
Viger, R. J., 614
Vijayaraghavan, K., 948
T., 945
Viljoen, C , 893
D. J., 892
H. G., 880
H. S., 880
S. P., 889
Villadier, J., 147
Villard, P., 698
Villeneuve, G., 591
Villiers, P. J., 901
Vimalananda, T , 1055
Vinaver, E., 312
Vincent, C. J., 673
E. A., 102
E. R. P., 67, 76, 248
H. G. G., 863
J. M., 796
R., 663
S. A., 531
Vincenz, S. A., 203
Vineberg, A. M., 616
P. F., 605, 609
Vines, H. W. C., 257
W. S., 446
Vingoe, R. H., 580
Vining, P. L., 55
Vinnicombe, E. J., 45
Vint, J., 47
Vion, Rev. L., 957
Vipond, H. J., 108
Virdi, D. S., 1018
Viron, S. J., 722
Vishnanatham, M., 1025
Vishnoi, H S. S , 975
Visser, P. G , 900
Visveswar, S K., 1011
Viswanadham, K., 940
N., 941
Viswanath, A., 1004
G., 941
Viswanathan, A., 1000
R., 976
R. K , 948
Visweswaran, K., 948
Vitalone, G , 584
Vithianathan, S , 1056
Vivian, I P., 228
R. P., 612
Vivien, S , 185
Vizoso, A D , 236
Vlasto, A. P., 79
Vogan, H J , 801
Vogel, A. I , 306
J C , 879
Vogelaere, R. de, 594
Vogelpoel, L , 865
Voget, F. W , 608
Vogt, M , 489
Vohra, M. A , 973
Voisey, A H , 810
Volhard, Dr , 143
Volkoff, G M , 573
Mrs. O., 567
Vollans, E. C , 192
Vollum, R L , 354
von Bonde, W , 877
von Haebler, T , 886
von Klüber, H., 62
von Leyden, W , 103, 104
von Wezel, R L , 885
von Wright, G. H., 68
Vonwiller, G. B., 801
Vora, R. D., 1016
Vores, S. P., 1003
Vorster, A. J., 886
H. R., 878
J. A., 883
J. H., 881
Vos, A. C , 903
P. J. G., 901
Vosloo, G. J , 899
Vosper, A. G., 523
Voss, V., 881
Vowels, R. E., 757
Vowles, E., 699
P. F., 1232
Voyer, R. M., 646
Vyas, K. B., 956
M., 993
Vyawahare, M. L., 1018
V. Y., 1016
Vyvyan, J., 84
M. C., 307

Waas, M. J., 1056
Wacey, G. M., 183
Waddams, Rev. C. D., 81
Waddell, W. H., 723
Waddington, C. H., 488
G. W., 594
M., 185
S., 448
Waddle, N., 832
Wade, C , 547
E. C. S., 72, 77, 248
H. J., 318
H. W. R., 72, 84
J O D , 437
J S. H., 437
W N. L., 261
W V., 125
Wade-Gery, H. T., 348, 364
Wadegaonkar, T. G., 1017
Wadge, J., 287
Wadham, S. M., 777, 782
Wadia, A R , 929
Wadikhaya, M. K., 1047
Wadsworth, G. R , 1083
V M , 875
Wager, L. R., 348
Wagg, F E , 693
Wagge, L. E., 203
Waghorne, D , 722, 724
Wagner, F. W., 458, 460, 461
O., 910
S , 607
T , 617
Wagstaff, J. E. P , 103
Waheed, A , 1073
Wahid Mirza, M., 989
Wahn, J. D , 631, 637
Waidson, H M , 446
Wain, J B , 391
R. L , 252, 253
Waines, R T , 712
W J , 631
Wainman, A. W., 574
Wainwright, A., 339
F. T , 523
J., 319
Waismann, F , 350
Wajda, S. H , 22
Wakeford, Mrs D. A , 208
G. W., 460
Wakeley, Sir C. P. G., 207 262, 263
Wakeman, D. W , 27
Wakhloo, S. N., 1029
Walbank, F. W., 146
Waldeck, T. J. H , 869, 898
Waldegrave, Earl, 253
Walder, D. N , 58, 115
P S , 391
Waldie, J. S. L., 392, 395
Waldock, A. J. A., 809
C. H. M., 344, 353, 357
Waldron, E. A., 50
F. E., 487, 499
Waley, A. D., 230
Walford, W. F., 616
Walkade, S. N., 1015
Walker, A. C. E., 472
A. E., 1090
A. G., 315
A. G., D.Sc., 400, 409
A. H. C., 1094
A. J. K., 761
A. M., 314
A. P., 455
A. R., 735
A. R., B.A., 799
Canon A. S., 579, 588

Walker, B. E., 550
C. E., 972
D , 62
D. G., 270
D. M., 393
D. P., 240
E., 389
E. A., 67, 82
E. A., Canada, 673
E. I., 704
F., 46
F , D Sc., 863
G., 24
G. L , 723
H. E., 520
J., 28
J., M.B., 475
J G., 43
J. M , 354, 369
J. P , 723
J. Z., 510
L. M., 496
Rev L T., 371
Mrs. N. F., 710
N M , 154
N. T., 470
O. J., 550
P. H., 325
R. M , 51
R. S , 471
R. S., Austral., 817
S. A., 530
S. E , 910
T K., 323
V , 102
W A , 522
W. J., 911
Walkinshaw, W. M , 711
Wall, G. E., 314
M. A , 612
W D , 24, 35
Wallace, A B , 491, 493
A. H., 523
A. T., 489
E S , 805
G A , 610
H. E., 840
H. J , 283
J., 832
J , B.Sc., 775
J. A., 1237
J C., 77
J. E., 146
M. E , 709
P. R., 606
R. B. P., 164
R. C , xxviii, 671
T., 54
W., 993
W. A., 712
W. D., 687
W. P., 703
W. S., 701
Wallace-Hadrill, J. M., 360, 364
Wallas, M. G., 65, 86
Wallbank, S. A., 126
Wallenstein, M., 316, 322
Waller, E. M. L., 148
R. D., 325, 326
Walley, J. E., 213
Wallis, F. S., 46
H. R. E., 55
Rev. J. C., 104
Walls, E. W., 267
N., 459
R. C., 76
W. K. J., 123
Wallwork, S. C., 334
Walmsley, C , 579
H. P., 324
L. C., 703
M. V., 329
R., 520, 529
T , 531
V. G , 432
Waloff, N., 203
Walpole, V., 900
Walsh, A. A. M., 698
A. D , 124
A. F., 570
B. J., 594
C T., 617
H. E., 139
H H., 609
H. N., 1250
J. D., 585
J. P., 831, 832
R. F., 1250
W. H , 350, 363
Walshaw, T D., 152
Walshe, B. M., 193
F M R , 286
M O'C., 335
Walter, A , 718
F. H , 220
O. H., 760
Walters, H R., 173
L. D., 789
M. C , 28
R H , 841
S. M., 82
W , 730
W. E., 442
Walthew, F. W., 538
Walton, C. H. A., 636
E. M., 267
E. T. S., 1234, 1236
G., 1090
J., 502
K., 32
K., M A , 471
L. B., 485
W. S., 115
Walunjkar, Mrs. G., 1017
Walzer, R. R., 355
Wanchoo, V., 993
Wandelt, M., 901
Wangermann, E., 451
Wankhede, S. K., 1014
Wanmali, V. R., 1018
Wanstall, P. J., 221
Wantola, W. A., 610
Wapshaw, Mrs. H., 506
Waradpande, U., 1014
Warbrick, J. G., 144
Warburg, E. F., 345
Warburton, F. W., 326
G. B., 484
Ward, A. F. H., 323
Ward, A. H., 28
A. J., 67, 77
A. M., 122
A. M., D.Sc., 305, 306
A. S., 553
C. V., 614
D. C , 770
E. E., 25
E E., Austral., 776
G. B., 776
G. E. S , 267
G. M , 333
G. N., 314
H. K., 802
I., 41
I., Austral., 816
I. C., 234
I J., 109
Sir J., 834
J. M., 798
J. P., 829
J. W., 850
L., 1091
M. C. L., 1017
N M., 691
R. V., 612
S. G., 27
S. J., 104
W., 487
Mother W., 956
Mrs. W. F., 993
W. R., 313
Ward-Perkins, C. N., 346, 360, 361, 365
Wardale, W. L., 530
Wardell, A., 711
Warden, W. M., 184, 218
Wardlaw, C. W., 309, 327, 331, 1232
H. S. H., 808
W., 195
Wardle, E. N., 155
H. N., 778
K. L., 27
M. R., 558
R. A., 634
W. L., 485
Wardrop, Sir O., 389
Wareing, P. F., 191
Warfe, J. E., 780
Warffemius, C. A. L., 910
Warhekar, N. S., 1017
Warhurst, E., 310
Warin, R. P., 49
Waring, H., 818
Warlow, G. L., 723, 724
Warmington, E. H., 195
Warne, F. J., 46
L. G. G., 309
Warner, A. J., 908
E. C., 256
F. S., 258
H. M., 676
Mrs. P., 875
W. J. N., 60
Warnock, F. V., 537
G. J., 359
Mrs. H. M., 372
Warren, A. E., 626
A. G., 1108

Warren, F. L., 237
F. L., Natal, 869
G. C., 546, 547
H. V., 570
J. B., 573
J. L., 781
J. W , 150
O. M., 775
P. S., 551
Warren-Evans, D , 218
Warrender, J H , 507
Warriner, D , 188
Wartski, I., 231
Warwick, F W , 1235
G. T., 26
R., 309
W. T , 269
Warwicker, J. O , 125
Washburn, A. L., 606
Wason, P C , 471
Wass, S. H., 259
Wassenaar, T , 885
Wasserman, Mrs. R., 698
Wassermann, A., 238
G D , 110
Wasteneys, H , 713
Watchorn, E., 62
Waterfield, A B , 164
Waterhouse, Rev E. S., 254
F. L., 524
G , 533
J A. H., 30
W. L., 796
Waterink, J , 875, 898, 918
Waters, E. T , 428
F. W., 624
H , 146, 151
H. D. C , 843
K H , 812
R., 850
R. S., 399
W. A., 345, 358
Waterston, Mrs. E., 698
Watkin, E. E., 109
E. E , D Sc., 417
Watkins, A. G., 435, 437
D E., 230
F. M., 605
J. H , 421
S. B , 208
S. B , Austral., 791
S. H., 440, 443
Watkinson, E. A., 667
G., 132
Watkyn-Thomas, F. W., 287, 292
Watrach, A. M., 507
Watson, D. J., 305
D. M., 868
D. M. S., 245, 248
E., 416
E. E., 674
E. M., 101, 104
E. M., M.D., 738
E. V., 390
G. M., 336
G. M., M.B., 767
G. N., 27
G. R., 334
H. E., 239
Watson, H. G. I., 607
I. A , 796
Mrs. J., 625
J. K., 735
J. M. R., 336
J. S., 360
J. S., B.Sc., 503
J W., 625
K. D., 570
K. T., 634
M B., 477
M. B., Canada, 707
P. D., 363
Rev. P. S., 29
R. E., 546
R. J., 509
R. S. S , 1057
S. J., 130, 487, 496
S. W., 896
T. J , 325
W. B., 28
W. W., 569
Mrs. W. W , 569
Watson-Jones, Sir R. W., 265, 680
Watson-Munro, C. N., 844
Watson-Williams, E., 49
H B , 817
Watt, A M., 611
A. S., 62
C. S., 534
D. M., 494
G. V., 156
I. P., 82
J , 476
J. A , 487, 496
J C., 713
J. M., 913
K. D., 851
L A. K., 634
L. G., 512
M. N., 830
W. M , 482
W. S., 346, 358
Watters, W. A., 829
Watts, A., 571
C. R., 227
C. T., 1102
E. H., 554
F. G., 208
J. P., 496
P. R., 801
R. D., 200
W. P. T., 116
Waud, R. A., 738
Waugh, D. O. W., 556
H. L., 770
I. G., 113
T. R., 614
Way, A. G., 195
J. A. H., 503
Waygood, E. R., 604
Wayne, E. J., 403, 404
Wayper, C. L., 75, 85
Waze, E. D., 1017
Weale, K. E., 199
Weatherall, M., 265
Weatherburn, C. E., 818
Weatherley, P. E., 333
Weaver, B. M. Q., 228
Weaver, C., 518
J. R. H., 367, 1234
M. M., 565, 572
W. G., 864
Webb, A. E., 239
C. G., 1083
C R., 221
D. A., 1234
E. C., 62
E. G., 722
F. H., 394
G. C., 1094
G. F., 95
G. H., 1102
J. C., 786
J. E., 479, 1094
J. S., 201
K. R., 457
M., 43
R. A., 273
R. M., 800
V. L., 911
V. P , 791
Webber, G., 606
K , 416
L. R , 723
W. E., 557
W. J , 707
W S. L., 307
Weber, E., 720
Webster, A B., 522
A. D. M., 195
Sir C., 216
D. E., 104
D R , 616
E C., 608
G. H., 864
H. C., 789, 790
H J , 436, 437
I., 911
J., 398
J. B., 538
J. M., 30
J. T , 517
R., 779
T. B. L., 238
T. S , 633
W. M., 851
Weddell, A. G. M., 344, 365
Wedgwood, C. V., 53
J. A , 693
Sir R. L., 207
Weedon, B. C. L., 199
Weekes, B , 1234
Rev. G. A., 83
K., 69
Weeks, J., 840
J. G., 610
W. G. R., 113
Weerakody, Father K., 1059
Weerakone, A. C. J., 1056
Weerawardena, I. D. S., 1055
Weevers, T., 192, 195
Weidemann, U. R. D., 877
Weidenhofer, L. E., 813
Weigert, H., 909
Weightman, J. G., 208
Weil, P. G., 613
Weinberger, M. A., 450
Weiner, J. S., 344

Weiner, T., 659
Weingreen, J., 1238
Weinlos, C. H. M., 557
M., 556
Weintroub, S., 459
Weipers, W. L., 507
Weir, A. H. W., 494
A. R., 689
Rev. C. J. M., 505
J., 676
J, B.Sc., 496
J., D.Sc., 504
J. A., 691
J B. de V., 506
J. R., 723
T. R., 631
Weis, P. R., 316, 322
Weiss, H, 503
J., 108
P, 249
P. F. D., 902
R, 241
Weitzman, S., 184
Welbourn, Rev. F. B., 1098
R B., 155
Welbourne, E, 66, 77
Welch, A. J. E., 199
B L., 128
J. W, 1094
Weld, C. B., 580
Weldon, J. C, 609
T D, 350, 362
Welford, A T., 69
Welingkar, L. N, 957
Welland, D S. R., 334
Weller, E. P., 77
F C, 1081
G. A., 772
Wellesley, K., 483
Wellesz, E. J., 350, 362
Wellington, Duke of, 457
J. H, 909
Wells, A. F., 346, 368
A. K., 209
C. A., 154
F. A., 337
G. A., 241
G. P., 245
J., 52
L. H., 907
M. K, 241
Wellwood, A. A., 722
J. W., 209
R. W., 569
Welman, H. G., 877
Welsford, E. E. H., 65, 86
R., 179
Welsh, A., 908
F., 33
H. L., 708
I. B., 912
S., 397
W. K., 716
Welter, C. P., 909
Welty, Rev. E. J., 708
Wemyss, P., 845
Wenham, H. T., 849, 851
Wermenlinger, D., 592
Werner, E. A., 1234
G. A., 236
Wernham, A. G., 524
J. C. S., 708
R. B., 349, 367
Werry, W. W., 698
Werth, I, 130, 223
Wertheim, D. G., 572
Wesley, A., 124
C. H., 804
West, A. C., 477
A. S., 671
A. W. H, 841
B., 315
B. O., 756
C. B., 224
C. McL., 425
F. L., 653
G. B., 525
H. F., 55
I. D., 496
I. D., S. Africa, 864
J. C., 311
L, 137
L. M, 435
R. W., 304, 306
West Panjab, Gov of, 1069
Westbury, A. H, 609
Westby, G., 447
Westcott, C. H., 607
I. M., 431
Westfal, S. S., 507
Westlake, H. D., 120, 310
J. R., 571
Westoll, T. S., 110
Weston, E, 143
I W., 847
J. D, 110, 410
Westphal, E. O. J., 231
Westrate, C., 835
Westrope, A. T., 157
Westropp, C. K, 371
Westrup, J. A., 350, 368
Westwater, J. O., 512
Wetherall, Rev. T. S., 104
Wetherhead, H., 58
Wetmore, F. E. W., 702
Wetson, Justice E., 982
Wey, Rev. J C., 703
Weyers, W. H., 872
Whaite, H. C., 184
Whale, G. B. M., 427
Whalley, W. B., 145
Whalley-Tooker, H C., 72, 76
Wharfe, H, 107
Wheare, K. C., 351, 357, 374, 454, 765, 768, 784, 815
Wheatley, E. E., 658
P., 240
Wheaton, A. G., 759
Wheeler, A. L., 632
D., 630
D. K., 817
E. A., 304
J. R., 536
O., 698
O. A., 426
R. E. M., 181
T. S., 1245
Wheeler-Bennett, J. W., 364
Wheeler-Robinson, B., 198
Wheelwright, E. L., 45
Whelan, R. F., 534
W. J., 420
Wheldon, R. W., 98, 112
Whetham, E. H., 71, 480
Whetton, J. T., 137, 343
Whewell, C. S., 137
Whidden, E. M., 547
J. M., 549
Whiddington, R., 123, 128
Whiffen, D. H., 23
Whillis, J., 258
Whimster, M. L., 659
Whinfield, B., 469
Whinney, M., 179
Whipple, S. R., 144, 450
Whitaker, C. W., 457
H, 125
J H. McD., 312
K. P. K., 230
M., 829
Mrs. M. I., 125
P. H., 144, 154
Whitby, L., 873
Sir L. E. H., 73, 76
P., 245
White, Mrs. A. B., 86
A. G., 146
A. K., 910
A. L., 840
A. R., 447
B. M. I., 249
C. J. L., 829
C. M., 200
C. M. S., 55
C. T., 788
D. E., 816
D. J. B., 237
D. N, 675
D. S., 221
E, 737, 739
E. G., 151
E. P., 676
E. V., 566
F. D., 631
F. P., 67, 81
F. T. M., 788
G., 596
G. M., 582
H. M. O., 1235
H. P., 485
H. R., 213
Mrs. I. H. B., 897
J., 402
J. D., 292
J. F. D., 835
J. M., 610
J. R., 833
K. D., 895
K. M., 392
L. L. R., 436
L. W. T., 861
M., 509
M., Canada, 637
M. E., 703
M. M., 804
M. W. P., 457
N. H., 796
N. L., 286
O. M., 534
O. N., 791

White, P., 391
R. J., 66, 76
S., 426
W. H., 570
White-Cooper, R. C., 237
Whitear, M., 245
Whitehead, A , 654
Mrs. A , 126
F., 312
F. H., 398
F. S , 185
G., 321
J. H. C , 349, 363
L. G , 832
L. G , Ph.D , 221
R., 319
T , 423
W. E , 618
Whitehouse, D., 104
E R., 562
P , 800
F. W , 789
H. L. K., 62
Rev W A., 103
Whitehurst, J S , 440
Whitelaw, W., 32
Whiteley, C. H., 28
Rev D. E H , 361
E., 104
H. J , 403
J. L., 195
S., 895
Whitelock, D , 347, 373
Whiteman, E. A. O., 371
J. H. M., 862
Whiten, G. A , 574
Whiteside, W. C., 556
Whitfield, A G. W., 31
E. V , 452
I. C., 28, 34
J H , 26
Whitford, F. J., 538
Whiting, H. P., 70
M. C., 310
M. H., 268
R H., 555
Whitington, L. A., 758
Whitley, Canon F. L., 619
Whitlock, M. P., 1107
Whitmore, B. G., 634
E. F., 690
F. E., 43
J., 393
R. L., 28
Whitrow, G. J., 201, 409
Whittaker, J. M., 149
M., 334
V. P., 345
Whittal, J. R., 575
Whittard, W. F., 46
Whitteridge, D., 363, 487
Whittick, G. C., 108
Whittington, B., 402
W. E., 405
Whittle, E. G., 51
G., 460
G., B.E., 836
H. D., 573
T. E., 513
Whittles, C. L., 513
Whitton, J., 481
Whitwell, F., 154
Whitwill, G. C., 45
Whitworth, J. V , 102
T., 348, 365
Whyte, A. H., 116
Sir F , 1259
J. H , 549
M. B H., 475
R , 527
W. H , 1095
Wicht, C L., 902
J. F., 865
Wickens, G. M , 73, 234
Wickham, D., 253
G. W. G , 45
Wickramanayake, T. W , 1058
Wickremanayake, G. H., 1054
Wicks, J A., 834
S G , 632
Widdowson, T W , 210
Wieffering, C. J., 901
Wiemann, H , 774
Wiener, F I., 148
Wiesenberg, E , 241
Wiesner, K., 658
Wigan, L G., 26
Wigforth, B., 147
Wiggins, L F , 1103
Wigglesworth, L. A., 242
V. B , 65, 77
Wight, R. J. M., 217
R. M , 451, 453
Wightman, D. R , 24
E., 121
W. A , 125
Rev. W. M , 483
Wiglesworth, F. W., 615
Wigley, J. E. M., 256, 297
Wild, J. A , 901
Wijerama, E. M., 1057
Wijeratne, D. J., 1056
Wijers, E. E , 884
Wijesekera, O. H. de A., 1056
Wilberforce, R. O., 357
Wilby, F , 394
Wilcher, L. C., 1107
Wilcock, A. A., 774
A. W., 442
Wilcocks, R. W , 899, 902
Wilcockson, W. H., 399
Wild, A., 393
E., 314
E. H., 896
F., 76
Rev. J. H. S., 367
L. J., 825
L. N., 416
N., 321
Wilde, J., 179
Wildi, T., 592
Wileman, M. A., 191
Wiles, G. G., 910
P., 268
P. J. de la F., 364
R. M., 624
Wilhelm, J. O., 709
Wilkes, E. W., 110
M. V., 67, 92
Wilkie, A. L., 615
Wilkie, D. R., 243
J., 397
J M., 103
J. R., 127
Wilkins, C. J., 834
J. L , 337
R J , 306
W. H., 345, 361, 368, 370
Wilkinson, B., 706
C H , 369
D. H , 69, 78, 162
E., 470, 477
E. M , 241
F. A H., 611
F. C., 321
Mrs G A , 192
H. J , 787
H R , 147
Mrs. I R , 631
J , 434, 440
J. F , 317
J. F., B A., 489
J. H. S , 95
K. D., 31
L. P., 63, 79
P , 399
R. E , 617
R. H. E , 308
S , 145
V., 346
Wilks, J , 236, 242
J., B.A , 362
Will, R. K., 488
Willan, H , 718
T. S., 310, 313
Willcock, G. D , 224
M. E , 134
Willcocks, D. V., 79
G. C., 809
Willcox, A., 267
J. S., 130
Willetts, R. F , 23
Willey, B., 65, 80
William, Father T., 1043
Williams, A , 518
A., Ph D., 504
A. F , 309
A. H., 54
A. I. J., 53
A. J., 818
A. J. G , 770
A. L , 779
A. Ll., 423
B. R , 455
C. B., 306
C. H., 209
C. H. M., 717
C. M., 774
C. P., 437
C. Q., 761
C. R., 433
C. R. F., 903
Rev. C. S. C., 355, 363
D., 416
D., B.Sc., 323
D., D.Sc., 198
D., Ph.D., 201
D. A., 437
D. C., 641, 709
D. C., F.R.C.O., 459

Williams, D. C., LL.B., 533
D. E. P., 422
D. H., 346
D. I., 262
D. J., 278
D. Ll., 439
D. R., 417
E., 421
Mrs. E. C., 273
E. L., 418
E. M, 426
E. N., 398
E. R., 281, 292
E. T, 358
F. C., 162, 311
G., 224
G., B.Sc, 392
G, M A., 432
G., M.Sc., 534
Mrs G., 193
G. E. O, 31
G. H., 207
G. J, 428
G. J., Ph D., 829
G L, 422
G. Ll., 241
G. W, 208
H, 65
H, M.B, 525
H. B., 804
H G. E, 256
I, 421
Sir I., 422
I. G, 276
J, 331
J, Dip Lib, 251
J, M.Sc, 442
J., Ph D, 843
J. E., 773
J E C, 422
J. E. H, 447
J. G, M.D, 435
J. H, 1103
J. K, 416
J M., 213
J. R., 1106
J W, 522
J. W., M.Com., 1090
K. M., 426
L. A, 711
L. H. W., 280
L. V., 993
M., 102
Mrs. M. L., 439
N. A., 632
N. V., 50
O. G., 436
P. M., 359, 367
R., 185
R. A., 773
R. D, 391
R. G., 781
R. H. B., 229
Rev. R. J., 702, 708
Rev. R. N., 411
Rev. R. R., 104
R. T., 101, 194
R. T., D.Sc., 280
S., 502
S. E., 818
Williams, S. J., 432
T., 918
T D, 1246
T. H., 636
T. J, 431
T. P, 427
W., 418
W. D., 348, 370
W. D, B Sc., 518
W. E, 421
W G, 157
W. H., 896
W. J, 1249
W. L. G., 607
W. M., 117
W. N, 82
Rev W. R., 411
W. T., 191
W W., 66, 85
Williams-Jones, K. M, 433
Williamson, A D., 1083
A H., 122
A V., 126, 140
B, 499
D I, 151
E, 139
E. M, 193
G M, 131
G R, 323
J H, 530
M. B, 325
R, 72
R E., 702
S. A, 278
W H., 107
W. T H, 474
Williamson-Noble, F. A., 280
Williman, A., 324
Willington, T. W., 532
Willink, Rt. Hon. H. U., 79
Willis, A. G, 777
A. J., 44
A. L., 723
G. A., 227
G. M., 775
J, 707
J, B.Sc., 324
J. A., 238
R, 532
R. A., 132
R. B, 735
R. J., 535
Willmer, E. N., 69, 75
Willmore, P. L., 82
T. J, 102, 104
Willmot, A., 877
Willmott, J. C., 149
S. M., 428
Willoughby, E. O., 757
G., 218
L. A., 41, 186, 680
Wills, C. G., 724
E. P., 835, 847
L. J., 43
M. S., 392
N. R., 798
Mrs. V. W., 35
Willson, Mrs. A. G., 452
B. D., 323
H. B., 452
Willson, J. H., 791
Wilman, A., 860
H., 199
Wilmers, M. J., 291
Wilmot, C. M., 812
H. G., 690
Wilshere, P. N., 184
Wilson, A, 242, 287, 288
A., M.A., 441
A. F., 817
A. H., 134
A. J., 25
A. J. C., 427, 428
A. J. N., 310
A. L., 513
A. V., 323
C., 264
C. G, 454
C. H., 66, 78
C. H., Ox., 351, 360
C. L., 532
C. P, 268
C. T. R., 83
D. C., 614
D M., 483
D. R., 555
D. S. P., 321
E. M, 210
E. McC., 538
E. V. B., 535
F. H. H., 803
F. P, 347, 364
G., 123
G., D.Sc., 531
G., F.G S, 201
G, M Sc., 137, 139
G. E., 579
G. E., M.D., 677
G. H., 43
G. H. A., 75
G. L., 787
G. L., M.D., 555
G. M., 404
G. S, 851
G. T. J., 813
H. D. B., 633
H. E. C., 511
H. L., 264
H. M., 760
H. S., 704
H. W., 237
H. W., B.Sc., 506
I. M., 415
I. R., 788
J., 1102
J. C. M., 152
J. D., 868, 898, 917
J. E., 452
J. F., 416
J. G., 315
J. G., LL.B., 488
J. H., 805
J. L. J., 805
J. O., 592, 593
Justice J. O., 571
J. S., 557
J. S. G., 215
J. T., 742
J. T., Ph.D., 706
J. V. K., 103

Wilson, J. W., 390
K., 195
L. A., 760
M., 54
M., D.Sc., 482
M. D, 993
M. E. M., 505
M H, 456
M. J., 719
M. M., 778
Mrs M M., 895
Mrs. M P M., 504
M. T., 704
N., 150
N. J., 473
N. S., 60, 87
R., 360
R., M.D, 1238
R., Wales, 432
R. A., 522
R. A, Canada, 695
R C., 447
R. J, 713, 719
Rev. R. J, 538
R. K, 772
R. L., 102, 104
R. M, 399
R. P, 831
R S., 28
S, 477
S A., 609
Mrs S H., 520
S. L, 832
S. S, 359
T, 346, 368
T. E., 805
T. I., 492
V. O, 619
V. W. G, 610
W., 23
W., F.R S., 193
W. A., 556
W. C., 476
W. H., 157
W. L., 459, 460
W. M. D., 316
W. N, 459
W. S., 710, 726
Wilton, T. N. P., 49
T. R., 151
Wiltshire, H. C., 337
M. O. P., 48
Wimberley, D. N., 520
Wimble, B. J. S., 908
Winchester, J. W., 1083
Winckworth, C. P. T., 73
Winder, M, 335
Windeyer, B. W., 268
Windsor, H. M. J., 804
Winfield, P. H., 81
R. H., 82
Wingate, J. W. C., 512
Wingfield-Digby, Rev. J. R, 371
Winiata, M., 841
Winkler, C. A., 604
Winkworth, R. E., 771
Winn, A. R., 617
Winnett, F. V., 708
Winning, H., 136
Winning, K. M., 803
Winnington-Ingram, R. P., 249
Winstanley, G. M., 326
Winston, C. E., 804
D., 797
Winter, C., 60, 84, 91
H J. J., 441
L. B., 400
P. A, 643
P. E., 185
T., 112
Winterbourn, R, 835
Winterton, W. R., 267, 292
Winton, F. R., 242
Winzor, F. L., 756
Wiren, R. C., 712
Wirtz, E. A, 148
Wisden, D E, 459
Wisdom, A. J. T. D., 68, 84
J, 85
J O, 217
Wise, B., 346
M J, 26
T, 552
Wiseman, E. M., 395
G., 400
H V., 129, 138
S., 325
Mrs S., 698
Wishart, C, 494
D. E. S, 714
F. O, 713
G M, 513
J, 70
M. T, 716
Wisney, R H., 610
Wisnicki, B P., 566
Wiswell, G. B., 582
Withers, B. T., 836
Withey, J. L, 436
Witney, D., 496
Witte, W, 471*
Wittek, P. A., 231
Wittkower, R., 237
Wittrick, W. H., 800
Witts, L. B., 779
L. J., 354, 363, 1239
Wofinden, R. C., 51
Wohlfarth, E P., 201
Woledge, B., 240
G., 215
Wolf, J., 130
P. O, 200
Wolfe, H., 574
H. R. I., 439
L. S., 834
S. E., 712
W., 568
Wolfenden, J. F., xxviii, 390
Wolff, E., 813
H., 866
Wolfowitz, J., 914
Wolfsohn, H. A., 776
Wolfson, F., 232
Wollheim, R. A., 243
Wolman, B., 317
Wolmarans, H. P., 882
Wolpers, T., 102
Wolstencroft, H. P., 484
Womersley, H. B. S., 756
W. D., 71
Wonders, W. C., 705
Wong, L. G. J., 567
S. L., 230
T. S., 1080
Y. C., 1079
Woo-Ming, E., 1100
Wood, A, 416
A. C., 448
A. C., D.Phil., 335
A. J, 566
A. J., Toronto, 712
B D., 632
C. B, 565
Rev. C. T., 80
D. O., 168, 243, 246
D R, 404
D. R. V., 796
E J, 125
F. C., 136
F. G C., 569
F. L. W., 844
F. M, 673
F. W, 553
G., 821
G. C., 1108
G L, 772, 782
H. J., 208
H. L, 788
H L C, 262
H. McK., 220
H S, 107
J., 449
J. A., 691
J F, 111
J. G, 756
J. S., 25
J. V., 773
J. W, 136
Mrs. K., 956
M. E., 816, 819
O. P., 363
P., 297
P. W., 76
R. G., 428
R. K. S., 198
R. O., 338
Sir R S, xxx, 457
S N, 566
T. J, 136
W., 517
W., Canada, 617
W. A., 775
W. M. L., 457
W. Q, 491
Woodall, H., 143
Woodburn, R. E. L., 619
Woodbury, J. F. L., 583
L. E., 703
W. W., 584
Woodcock, A. S., 318, 319
B. L., 505
D., 54
D. M., 55
E. C., 101
S. R., 136
Woodforde, Rev. C., 364
Woodger, J. H., 267
Woodham, R., 506, 512

Woodhead, A. G., 63, 76
C., 136
H. B., 319
J. H., 402
J. L., 128
N., 420
W D., 604
Woodhill, A. R., 800
Woodhouse, A. S. P., 703
D. L., 404
D L., F.R I.C., 32
F B, 831
J. C., 770
Wooding, K M, 232
Woodman, D., 51
H. E, 71
Woodroffe, K., 761
Woodrow, Mrs. B C, 104
Woodruff, M. F. A., 476
W., 334
Woods, D. D, 352
D S, 631, 637
E. L, 565, 572
Rev. G. F, 64, 76
H D, 609, 610, 620
H. J, 138
J. E, 726
Sir J. H E, 374
W. W., 265, 266
Woodside, C. J. A., 541
M St A., 703, 733
Woodward, A., 224
E. Ll, 349, 369, 374
J., 150
L. A., 346, 361
L D, 798
L J, 524
P, 398
T. E, 841
W. E., 71
Wookey, H. W., 716, 717
Wooldridge, S. W., 208
Wooler, G H, 135
Woolf, B, 490
C R, 865
E B., 913
R., 446
Woollam, D. H. M., 61
Woollard, E. R., 251
Woollatt, R. S., 717
Woolley, A. R, 382
J. B, 116
J. C., 336
J. M., 448
R. L., 524
R. v. d. R., 768
Woolmer, R., 48
Woolrych, A. H., 127
Woolton, Lord, 308
Woonton, G. A., 607
Wooster, W. A., 68
Wootton, Mrs. B., 193
Woozley, A. D., 350, 366
Worden, E. M., 614
Wordie, J. M., 81
Workman, E. W., 604
R., 541
R. H. B., 537
Wormald, B. H. G., 66, 80
F., 209
Wormall, A., 275
Wormell, D. E. W., 1234, 1235
T. W., 62
Worner, H K, 775, 781
Worrall, G. A, 252
Mrs. J E, 575
Worrell, H. G., 697
Worrill, W, 121
Worsfold, H. H., 697
Worsley, S J., 304
Worswick, G D. N., 363
Wort, D J., 566
Worth, H M., 717
Worthington, G. A, 837
Worthley, B. W., 762
Wortley, B A, 313, 331
Wragg, L. E., 653
R. B., 397
Wraith, R. E., 215
Wrangham, D. A., 98
Wren, T. L., 242
Wrenn, C. L., 344, 365
Wrenshall, C. A., 712
G A., 714
Wright, Lord, 60
A D, 281
B, 150
B. A., 459
B. D, 441
C A, 707, 726
C C., 476
C J. E, 133
C. P, 658
D. E, 115
D. H, 472
E., 505
E. B., 113
E. M., 472, 478
F. W., 410
G. F, 702
G. H, 61
G. P, 259
H. A., 489
H. G., 421
H. P., 613
H. R. C., 452
J., 288
J. A., 150
J. D., 311
J. G, 151, 1231
J. G., Ph.D., 702
J. K., 321
J. N., 523, 528, 529
L., 432
L. C., 483
M., 737
M. K., 907
M. L., 722
M. W., 710
N. C., 253, 506
P., 126
P., Ph.D., 422
R., 515
R. D., 776, 782
R. P., 101, 104
R. R., 157
R. W. H., 223, 1094
S., 268
T., 27
Wright, T. E., 521
T. G., 509
T. J., 34
W., 470
W D., 202
W. J. T., 711
W. S., 836
Wrighton, R. F, 404
Wrigley, A. J., 283
C. F., 608
J., 324
Wrong, G. M., 730
Wrottesley, Sir F. J., 389
Wu, K. C., 1079
Shih Chang, 355
T W., 1079
Wüd, D. H., 881
Wurth, W. C., 786
Wyatt, P. A. H., 398
S., 318
T. C., 71, 75
T. S., 93
Wyburn, G. M., 502
Wycherley, R. E., 420
Wyeth, E. R., 772
Wyetunga, H. P. A., 1056
Wykerd, H. C., 864
Wylde, H., 761
Wylie, D., 251
J. A. H., 354
S, 67, 84
T. S., 518
W. D., 283
Wyllie, A. M., 475
Rev. B. R., 805
J., 251
J., M.D., 676
Wyman, M., 552
Wyndham, R. A., 828
Wynholds, H. W. J., 880
Wynn, Rt. Rev. H. E., 80
W. H, 30
Wynn-Williams, C. E., 202
Wynne, A. J., 131
A. M., 713
I., 626
N. A., 115
W. P., 205
Wynne-Edwards, V. C., 472
Wynne-Jones, W. F. K., 108
Wyper, J. F. B., 475

Xavier, S., 949
Xuereb, J. H., 1086

Yadava, B. P., 990
Yajnik, A. B., 957
Yakub, S., 999
Yamey, B. S., 216, 609
Yamuncharya, M., 1009
Yanada, S., 230
Yapp, W. B., 29
Yardi, V. T., 957
Yarnold, G. D., 343
Yarrill, E. H., 563
Yarrow, P. J., 441
Yashounsky, M. E., 776
Yates, A., 538
B. G., 225
C. C., 850

Yates, C. H., 697
E. L., 400
F., 307
F A., 190
G. G , 62
H. B , 404
Rev. J. E., 411, 421
J. G., 71
P. O., 319
R. A., 416
Yazdani, M., 1027
Z. B , 1026
Yearwood, R D. E., 1102
Yeates, J. M., 804
J. S., 850
Yeats, J. J., 228
J. P , 901
Yeddanapalle, Rev L. M , 998
Yelland, K., 761
Yelle, G , 647
Yemm, E. W., 44
Yeo, B. C , 1084
Yeoh, G E., 1079
Yeoman, E. W., 202
L G., 103
Yeomans, J. T , 895
Yih, C. S., 572
Mrs. S. A., 570
Yodh, B. B , 957
Yoffey, J. M., 44
Yonge, C. M , 423, 507
Yorke, E. C , 364
R , 458
Yosufzai, H. K., 1063
You, P. S., 1082
Youell, R F , 129
Youmans, R. W., 637
Young, A., 149
A., Canada, 686
A., M.B., 502
A. A., 795
A. F., 458
A. M., 505
A. W., 613
B., 551
C. A., 665
C. L., 428
C. R , 730
C. W., 537
Young, D., 138
D. C. C., 521
D. M , 521
F , 909
F. G., 85
F. G., D Sc., 62, 248
G., 397
G , M B , 509
G. M., 357
G T., 361
H. M., 513
J., 458
J , B Sc., 517
J. F. T., 634
J I , 391
J. R. W., 565
J. S , 475
J. Z., 236, 246, 248, 288
L , 283
L. M , 871
M , 521
Sir M , 1232
M. L. M., 312
M. R , 337
N. A. J., 321
Mrs N. H , 1102
R C H , 201
R. H , 278
R M , 75
R M , M B , 319
R R R , 145
S , 509
Rev. W. A , 722
W. I. H S , 70
Younge, E R , 617
Younger, A. J., 506
Younghusband, E., 218
Youngman, G. P., 245
Youngson, G. W., 477
Yourgrou, W., 910
Yousufuddin, 1023
Yu, M. S , 1079, 1080
P C , 1078
Yudkin, J., 213
Yuill, W. E., 399
Yule, G U , 81
J , 317
J. B., 149
O. J., 717
Yusufuddin, K., 1027
S., 1022

Zaborski, B , 606
Zacharias, C. W B., 997
Zack, M. R., 624
Zagt, S , 881
Zaheer, S. H., 1022
Zahoorul Hasan, 1023
Zahra-Neumann, C., 1087
Zaidi, M M. A , 1024
S H. R , 1022
Zaina, L. A., 147
Zair, G. S , 75
Zajac, B., 487
Zal, R T , 1017
Zaloha, A. B., 617
Zammit-Maempel, J. V., 1087
Zangwill, O L , 351, 384
Zarb, Very Rev. S. M , 1087
Zarek, J , 530
J. M , 208
Zassenhaus, H J , 607
Zbarsky, S H., 566
Zeeman, P. B , 901
Zeigler, E F , 737
Zeiler, F., 633
Zepler, E. E., 458
Zernike, J , 1063
Zernov, N., 188, 356
Zeuner, F. E., 181, 961
Zia-ud-Din, M. A , 1069, 1070
Ziegler, C H , 85
Zienkiewicz, O C., 484
Ziervogel, D , 879
Zietsman, P. J., 881
Zimmels, H. J , 307
Zinnemann, K. S., 131
Zinovieff, A , 716
Zore, S. M. Q , 1026
Zoubairi, A. E., 933
Zuckerman, S , 22, 42
Zuntz, G., 310, 322
Zutshi, M N., 993
T. N , 974
Zwarenstein, H. J., 863
Zweig, J. P., 699
Zwerling, L., 588

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; Zoology.

Under Medical Colleges, Schools and Departments, will be found references to all places where Medicine may be studied. The following Medical subjects which are generally studied are omitted: Anæsthetics; Anatomy; Dermatology; Gynæcology; Obstetrics; Ophthalmology; Orthopædics; Oto-rhino-laryngology; Pathology; Surgery.

Special branches of unlisted subjects may be found in the index, *e.g.* Agricultural Chemistry; Medicine, Forensic.

Abbreviations of qualifications, general, x-xii
  of titles of degrees, 5-17
Aberdeen Univ., 469
Aberystwyth and Bala, Theol. Coll., 411
Aberystwyth Univ. Coll., 411, 415
Acadia Univ., 544, 546, 548, 619
Accountancy, 22, 45, 107, 125, 215, 308, 337, 397, 426, 469, 481, 502, 549, 590, 596, 609, 631, 661, 671, 686, 689, 697, 757, 772, 793, 798, 834, 839, 843, 860, 869, 876, 880, 892, 908, 931, 957, 958, 1235, 1245, 1250, 1251, 1253
Accountants, Ontario Inst. of Chartered, 679
Acoustics, 149, 237, 879, 909
Actuarial Science, 481, 630, 861, 957
Adelaide, Theol. Coll., 762
Adelaide Univ., 742, 756
Administration, 22, 312, 398, 590, 596, 635, 649, 870, 1107
  Business, 215, 672, 735, 1250
  Colonial, 346
  Educational, 141
  Government, 797, 798
  Hospital, 51, 581, 718, 912
Administration (*contd.*)—
  Industrial, 324, 518, 892
  Institutional, 635
  Native, 860, 871, 879, 908
  Nursing School, 913
  of Schools, 521
  Public. *See* Public Administration
  Public Health, 154, 320, 717, 718
  Social, 217, 312, 337, 379
Admission—
  Univs. in the U.K., 1111-1156
  See also Introductions, Overseas Countries
Adult Education. *See* Extra-mural Studies
  Diploma, 340
Adult Education, National Inst. of, 20
Advanced Legal Studies, Inst. of, Lond., 180
Aeronautics incl. Aeronautical Engineering, and Aerodynamics, 48, 72, 198, 221, 458, 568, 710, 773, 788, 800, 840, 935, 1051
African Languages and Cultures, 231, 232, 502, 860, 895, 1090
  See also individual Langs.
African Studies, School of Oriental and, 229

Afrikaans, 861, 863, 870, 876, 877, 880, 892, 896, 900, 907
Agra Univ., 928
Agrarian Affairs, Inst. of, Oxon., 353
Agricultural Bacteriology, 112, 130, 140, 392, 474, 477, 488, 618, 692, 796, 1247
Agricultural Biochemistry, 473, 850, 883
Agricultural Biology, 1107
Agricultural Biometry, 796
Agricultural Book-Keeping, 473, 512
Agricultural Botany, 54, 112, 130, 338, 392, 417, 422, 476, 496, 534, 796, 850, 1094, 1106, 1247
Agricultural Chemistry, 112, 130, 140, 252, 338, 392, 417, 423, 473, 488, 496, 534, 618, 761, 777, 796, 872, 883, 902, 962, 1015, 1098, 1107, 1247
Agricultural Economics, 45, 71, 112, 131, 140, 216, 338, 353, 393, 418, 512, 535, 565, 618, 722, 796, 847, 850, 872, 883, 902, 955
Agricultural Economics Res. Inst., Oxon., 353, 384
Agricultural Engineering, 113, 338, 470, 477, 512, 553, 565, 618, 634, 692, 722, 777, 850, 872, 883, 902, 1106
Agricultural Entomology, 113, 488, 883
Agricultural Extension, 692
Agricultural History, 71
Agricultural Law, 473, 847
Agricultural Machinery, 392
Agricultural Mechanics, 565, 692
Agricultural Meteorology, 1106
Agricultural Physics, 618
Agricultural Physiology, 71
Agricultural Research Stns., 54, 118, 304, 761, 848, 852, 887, 904, 1071, 1103
Agricultural Surveying, 113, 512. *See also* Surveying
Agricultural Zoology, 131, 338, 423, 476, 508, 535, 850, 1247
Agriculture, 54, 70, 89, 99, 112, 130, 140, 169, 251, 306, 338, 353, 392, 413, 417, 422, 442, 473, 476, 487, 496, 512, 534, 553, 576, 590, 618, 634, 649, 691, 722, 777, 787, 796, 816, 872, 883, 902, 962, 975, 1004, 1015,
Agriculture (*contd.*)—
1025, 1034, 1037, 1054, 1071, 1076, 1094, 1097, 1102, 1107, 1247, 1251
Colls. of, 252, 476, 496, 512, 619, 649, 721, 762, 807, 819, 825, 847, 850, 903, 929, 938, 948, 952, 976, 985, 1004, 1008, 1014, 1025, 1031, 1071, 1076, 1102, 1106, 1248
Farm Buildings, 477, 513
Farm Management, 552, 692, 847
Farm Mechanization and Engineering, 130, 392, 787, 851
See also Husbandry, Agrostology
Agronomy, 565, 618, 761, 796, 848, 872, 883, 1106
See also Economy, Rural
Agrostology, 787
Albert Agric. Coll, 1248
Albert Mansbridge Coll., 139
Alberta Univ., 543, 549, 619
Aligarh Muslim Univ., 933
Alimentation. *See* Nutrition
Allahabad Univ., 937
Allan Mem. Inst. of Psychiatry, McG., 615
Alma Coll., Ont., 739
Alnwick Training Coll., 122
Altaic Languages, 73
American Library, Lond., 1256
American Studies, 67, 308
American Univs., 1256-1258
Amharic, 230
Anderson's Coll., 519
Andhra Univ., 940
Anglican Theol. Coll., B.C., 575
Anglo-American Relations, 1259
Animal Nutrition Res. Foundation, 478, 763, 887
Population, Bureau of, Oxford, 352, 385
Products Res. Foundation, Adel., 762, 763
Science. *See* Husbandry, Animal
Animals, Fur, 724
Annamalai Univ., 947
Anthropological Res., Bd. of, Adel., 768
Anthropology, 61, 89, 99, 107, 118, 170, 232, 236, 379, 416, 482, 567, 608, 625, 701, 767, 770, 797, 828, 839, 962, 971, 984, 997
Physical, 344, 482

Anthropology (*contd.*)—
Social, 61, 74, 129, 150, 215, 316, 344, 357, 482, 481, 860, 871, 882, 893, 908, 1091
Anthropometry, 469
Apiculture, 338, 477, 496, 512, 722
Apologetics, 588, 591
Appointment Boards. *See all U.K. Univs. and*
Calcutta, 968
Cape Town, 867
Dublin, 1241, 1244
Melbourne, 780
Vancouver, 575, 577
Aquinas Coll., Adel., 762
Arabic, 73, 99, 102, 230, 316, 355, 482, 502, 933, 937, 963, 971, 987, 989, 992, 998, 999, 1010, 1014, 1023, 1054, 1063, 1069, 1070, 1107, 1238
Aramaic, 47, 73, 355, 1246
Archæology, 23, 61, 89, 101, 144, 170, 237, 345, 425, 441, 512, 532, 702, 797, 860, 907, 1250
African, 860
Celtic, 1245, 1253
Chinese, 179
Christian, 1087
Classical, 63, 89, 91, 148, 237, 345, 482, 1235
Environmental, 181
European, 144, 181, 345
Field, 459
Greek, 391
Homeric, 345
Indian, 181, 229, 237, 997
Irish, 1236
Mediæval, 349
Near Eastern, 345
of Roman Provinces, 181
Palestinian, 181
Romano-British, 101, 108, 125
Western Asiatic, 181
Archæology, Inst. of, London, 181
Architecture, 61, 89, 99, 107, 118, 144, 169, 170, 237, 309, 397, 425, 477, 482, 516, 566, 609, 630, 712, 770, 786, 787, 797, 839, 861, 869, 879, 907, 1086, 1245
Ecclesiastical, 144
Landscape, 112, 146, 245, 390
Naval, 111, 152, 477, 506, 518, 538. *See also* Engineering, Marine
Architecture, Bartlett School of, Lond., 237, 246
Architecture, Glasgow School of, 519
Architecture, Manchester School of, 309
Archives, 148, 170, 246
Armenian, 230
Armidale, New England Univ. Coll., 742, 806, 810
Art, Colls. and Schools of—
Calgary, Provincial Inst., 559
Courtauld Inst., Lond., 179
Glasgow School, 519
Goldsmiths' School, 304
Gray's School, Aberdeen, 477
Ontario, Coll., 725
Reading School, 390
Slade School, 246
Art, 23, 53, 61, 99, 107, 118, 126, 157, 170, 237, 309, 345, 390, 415, 447, 477, 482, 546, 550, 551, 575, 579, 606, 634, 643, 654, 671, 689, 693, 698, 702, 716, 773, 797, 836, 840, 862, 870, 877, 896, 909, 952, 962, 1005, 1034, 1042, 1097
Chinese, 179
Classical, 237, 345
Commercial, 107, 866
History of, 107, 126, 174, 176, 179, 190, 196, 309, 390, 447, 505, 1234, 1241
Prehistoric, 144
Technology of, 179
Asian Studies, Central, 230
Assamese, 966, 984
Assaying, 323, 775, 814
Assumption Coll., Ont., 739
Assyriology, 73, 102, 355
Astronomy, 61, 242, 345, 482, 502, 519, 520, 532, 591, 633, 661, 673, 702, 736, 768, 876, 978, 1069, 1234
See also Observatories
Astrophysics, 28, 62, 203
Auckland Univ. Coll., 825, 839
Australia—
Commonwealth School of Public Health and Trop. Med., 807
Univs., General Information, 742-755
Australian Coll. of Dentistry, 781
Australian National Univ., 742, 767
Avery Hill Training Coll., 183

Bacteriology, 30, 50, 51, 54, 56, 73, 113, 131, 152, 171, 213, 227, 258, 261, 264, 267, 275, 278, 280, 283, 286, 288, 292, 299, 302, 305, 316, 354, 402, 425, 436, 482, 488, 496, 509, 512, 525, 535, 554, 566, 579, 582, 597, 611, 634, 635, 647, 664, 675, 689, 715, 722, 737, 756, 778, 790, 802, 803, 830, 850, 865, 886, 911, 958, 1003, 1004, 1056, 1078, 1083, 1087, 1094, 1102, 1237, 1247, 1248, 1251
  Chemical 317
  Dairy, 338, 393, 418, 1251
  Public Health, 131
  Soil, 307
Banana Research, 1103
Banaras Hindu Univ., 952
Banff School of Fine Arts, 560
Bangalore, Indian Inst. of Science, 1051
Bangor School of Theol., 411
Bangor Univ. Coll., 411, 420
Banking, 215, 309, 482, 671, 837, 880, 1235, 1245
Banting Inst., Toronto, 725
Bantu, 231, 860, 871, 879, 892, 899, 908
Baptist Coll., Bristol, 54
Baptist Coll., Manchester, 326
Barbados, Theol. Coll., 97
Barnato-Joel Res. Labs., Lond., 268
Barnsley Mining and Tech. Coll., 405
Bartlett School of Architecture, Lond., 237, 246
Battersea Polytechnic, 304
Battersea Training Coll. of Dom. Sc., 183
Bede Coll., Durham, 104, 121
Bedford Coll., Lond., 191
Behaviour, Animal, 352
Belfast, Munic. Coll. of Tech., 537, 538
Belfast, Presbyterian Coll., 538
Belfast, The Queen's Univ., 531
Bengali, 229, 966, 971, 985, 1063
Bernhard Baron Inst. of Path., Lond., 265
Berridge House. *See* Nat. Society's Training Coll.
Bible Churchmen's Coll., Clifton, 55, 98
Bible, New Testament, 130, 322, 355, 483, 609, 626, 731, 733, 882
Bible (*contd.*)—
  Old Testament, 130, 322, 483, 505, 609, 626, 731, 733, 882
Biblical Criticism, 322, 474, 483, 503, 521, 547
Biblical Exegesis, 322, 356, 733
Biblical Studies, 99, 118, 141, 174, 176, 328, 355, 397, 421, 422, 460, 474, 482, 502, 538, 547, 578, 653, 733, 787, 877, 1241
Bibliography, 74, 240, 242, 482, 596
Biochemistry—
  Enzyme, 62
  Medical, 132
  Pathological, 511
Biochemistry, Courtauld Inst. of, 268
Biol. Field Stn., Lond., 203
Biology—
  Animal, 210
  Cellular, 62
  Marine, 112, 151, 423, 710, 1042
  Vegetable, 207
Biology, Molteno Inst. of, Camb., 62, 92
Biometry, 240, 717, 872
Biomolecular Structure, 124
Biophysics, 69, 244, 302, 604, 665, 737, 738, 789
Biophysics, Res. Inst., McGill, 620
Birkbeck Coll., Lond., 195
Birkenhead, Theol. Coll., 98, 157
Birmingham, Theol. Coll., 98
Birmingham Univ., 22
Bishop's Coll., Univ. of, 563
Bishop Wilson School, I. o. M., 98
Bituminous Sands, 558
Bland-Sutton Inst., Lond., 268
Bombay, Inst. of Science, 956
Bombay Univ., 955
Book-keeping. *See* Commerce
Borough Rd. Training Coll., 183
Botany—
  Cryptogamic, 309, 756
  Forest, 62, 421, 469, 482, 788
Brandon Coll., 638
Brecon Coll., 412
Brewing, 27, 38, 495
Brighton Training Coll., 183
Brisbane, Theol. Colls., 791
Bristol, Theol. Colls., 54, 55
Bristol Univ., 44
British-American Assn. of Phi Beta Kappa, 1258
British Columbia Univ., 543, 565

British Information Services, N.Y., 1258
British Inst. of Adult Educ., 20
British Postgraduate Med. Fed., 291
Bruyère Coll., Ottawa, 668
Building, 237, 306, 322, 338, 392, 397, 477, 495, 516, 879
Bulgarian, 188
Burmese, 230
Business. *See* Commerce and Administration
Byzantine Studies, 209, 348, 355

Calcutta, All India Inst. of Hyg. and Public Health, 964
Calcutta Univ., 962
Calgary, Provincial Inst. of Tech. and Art, 559
Camborne School of Metalliferous Mining, 326
Cambridge Colleges—
Christ's, 75
Clare, 75
Corpus Christi, 76
Downing, 76
Emmanuel, 76
Girton, 85
Gonville and Caius, 77
Jesus, 78
King's, 78
Magdalene, 79
Newnham, 85
Pembroke, 80
Peterhouse, 80
Queens', 80
St. Catharine's, 81
St. John's, 81
Selwyn, 82
Sidney Sussex, 83
Trinity, 83
Trinity Hall, 84
Non-Collegiate Students—
Fitzwilliam House, 85
Recognized Inst. for Women—
Hughes Hall, 86
Cambridge Local Examinations Syndicate, 92
Cambridge Univ., 60
Campden Res. Station, Glos., 54
Campion Coll., Regina, 694
Campion Hall, Oxford, 371
Canadian Literature, 591, 645
Canadian Univs.—
General Information, 543-545
Canberra Univ. Coll., 742, 822
Cancer Hosp., Royal, Lond., 303
Cancer Research, 32, 113, 133, 762
Canterbury Agric. Coll., N.Z., 825, 847
Canterbury, Theol. Coll., 98
Canterbury Univ. Coll., N.Z., 825, 834
Cape Town Univ., 853, 860
Cardiff School of Theol., 412
Cardiff Tech. Coll., 428
Cardiff Univ. Coll., 411, 425
Cardiology, 283, 317
Occupational, 318
Cardiology, Inst. of, Lond., 297
Carmarthen Coll., 412
Carnegie Foundation for the Advancement of Teaching, 545
Carnegie Trust for the Univs. of Scotland, 468
Cartography, 591
Catalan, 148
Catalysis, 45
Catholic Workers' Coll., Oxon., 385
Celtic Studies, 145, 345, 470, 482, 503, 532, 1234, 1246, 1253
See also separate Langs.
Central Collegiate Coll., Moosejaw, 694
Ceramics, 136, 692, 866
Ceylon Univ., 1054
Charing Cross Hosp. Med. School, Lond., 256
Chelsea Coll. of Physical Educ., 183
Chelsea Polytechnic, 304
Chemical Crystallography. *See* Crystallography
Chemical Microscopy, 124
Chemistry—
Analytical, 199, 393, 398, 503, 516, 702, 771, 866, 879
As applied to Hygiene. *See* Hygiene
Biological, 469
Biophysical, 45
Cellulose, 604
Cereal, 796
Clinical, 145, 724
Colour, 136, 517, 955
Endocrine, 22
Food and Drugs, 199, 704
Forest, 496
Friction and Lubrication, 63
Gas, 136
High Polymers and Elastomers, 23
Horticultural, 54

Chemistry (*contd.*)—
Industrial, 145, 146, 604, 788, 837, 998
in relation to Fruit Growing, 304
in relation to Medicine, 482, 1011
Metallurgical, 323, 345, 503, 1245. *See also* Metallurgy
Pharmacological, 128, 235, 243, 319, 723
Physical, 23, 45, 54, 63, 108, 123, 136, 138, 195, 199, 310, 323, 345, 420, 503, 516, 521, 771, 797, 876, 879
Physiological, 315, 506, 647
Soil, 305, 513, 761. *See also* Science, Soil
Synthetic, 714
Technical, 483, 495, 516, 978, 1069
Textile, 138, 323, 1043
Theoretical, 63, 101, 310
Chemotherapy, 264
Chest, Diseases of, 354
See also Tuberculosis
Chester Beatty Res. Inst., Lond., 303
Chester Diocesan Training Coll., 157
Chesterfield Tech. Coll., 405
Chichester Coll., 98
Child, Children. *See* Pædiatrics
Child Health, Inst. of, Lond., 195
Child Study, Inst. of, Tor., 709
Chinese, 74, 230, 310, 355, 937, 1078
Christchurch, Univ. Coll., N.Z. *See* Canterbury Univ. Coll.
Christ Coll., Tasmania, 813
Christian Doctrine also Dogmatics, 130, 355, 422, 474, 483, 538
Christian Ethics. *See under* Ethics
Christian Missions, History of, 355
Church History. *See* History, Ecclesiastical
Church of Ireland Trg. Coll., 1239
Citizenship, 512
City and Guilds Coll., Lond., 203
City of Birmingham Commercial Coll., 35
Civic Design. *See* Town and Country Planning
Clapham and Streatham Hill Training Coll., Lond., 183
Clifton Theol. Coll., Bristol, 98
Coal Gas, 136
Coal-mining. *See under* Mining
Coates Hall, Edinburgh, 98
Cockle Park Agric. Exper. Res. Stn., 118
Cocoa Research, 1103
Cod Liver Oil Standardization, 393
Codrington Coll., Barbados, 97
Coke Research, 108
Colloids, 63, 124, 315
Colonial Studies, 66, 170, 184, 215
Colonial Studies, Inst. of, Oxon., 385
Colonies, Inter-Univ. Council for Higher Educn., 1231-1232
Colston Research Society, 57
Commerce, 23, 37, 99, 118, 146, 213, 215, 310, 429, 445, 451, 481, 483, 495, 537, 547, 567, 579, 596, 609, 631, 653, 656, 672, 682, 686, 697, 737, 772, 788, 812, 822, 828, 860, 861, 870, 876, 880, 892, 895, 899, 908, 931, 933, 937, 940, 957, 958, 962, 972, 978, 984, 989, 992, 998, 999, 1000, 1007, 1008, 1016, 1022, 1027, 1029, 1030, 1037, 1047, 1049, 1064, 1070, 1106, 1235, 1245, 1250, 1253
Commerce Degree Bureau, Lond., 173
Commonwealth Fund, Professorship, 1259
Commonwealth School of Public Health and Tropical Medicine, Sydney, 807
Commonwealth Studies, Inst. of, Lond., 182
Community Organization, 916
Connaught Med. Res. Labs., Tor., 718, 725
Conservation. *See* Science, Soil
Convent of the Sacred Heart, N.S., 585
Co-operation, 596, 1021
Coptic, 74, 147, 239
Cork Univ. Coll., 1243, 1250
Cotton—
Industry, 957, 958
Courtauld Inst. of Art, Lond., 179
Courtauld Inst. of Biochem., Lond., 268
Criminology, 72, 216, 319, 346
Criticism, Textual, 347
Crystallography, 68, 69, 310, 346, 350, 705
Currency. *See* Banking
Cytogenetics, 398, 401, 1103

Cytology, 108, 236, 304, 306, 352, 486, 717, 796
Czech, Czechoslovak, 64, 66, 70, 174, 175, 188, 507

Dacca Univ., 1063
Dairy—
  Accountancy, 1251
  Chemistry, 393, 1251
  Engineering, 393, 1251
  Manufactures, 850
  Technology, 850, 1251
  See also Bacteriology
Dairying, 338, 392, 393, 418, 477, 513, 553, 567, 635, 692, 722, 872, 883, 1251
Dairy Research Inst., N.Z., 852
Dalhousie Univ., 544, 578
Danish, 69, 111, 174, 175, 244
Danubian Lands, 188
Darlington Training Coll., 121
Dartford Coll. of Physical Educ., 183
Davy-Faraday Res. Lab., 305
Deaf, Education of the, 325
Degrees. *See under separate Univs.*
  American (non-professional), 1257
  Lambeth, 17
  U.K., 5-17
Delhi Univ., 971
Demography, 33, 216, 597
  See also Epidemiology
Dental Hospital, Royal, Lond., 270
Dental Science, W. Aust. Coll. of, 819
Dental Surgeons, R. Coll. of, Ont., 725
Dental Surgery, Inst. of, Lond., 298
Dentistry, 33, 37, 52, 99, 116, 135, 145, 156, 169, 258, 261, 264, 267, 270, 275, 280, 283, 287, 288, 289, 320, 321, 404, 436, 475, 489, 494, 511, 527, 536, 557, 583, 616, 640, 648, 716, 760, 781, 790, 805, 816, 832, 866, 915, 958, 989, 995, 1003, 1011, 1056, 1070, 1084, 1087, 1098, 1238, 1248, 1252
Dentistry, Australian Coll. of, 781
Deontology. *See* Medical Ethics
Dermatology, Inst. of, Lond., 297
Design, 390, 477, 508, 630, 782, 797, 1108
  Dress, 107
  Structural, 521
  Textile, 325
(Dick) Veterinary Coll. *See* Royal Veterinary Coll., Edinburgh
Didsbury Coll., Bristol, 55
Dietetics, 132, 172, 214, 286, 519, 597, 771, 782, 913, 967. *See also* Nutrition
Digby Stuart Coll., 183
Diocesan Coll., Montreal, 620
Diocesan Training Coll., Chester, 157
Diocesan Training Coll., York, 139
Diplomatic. *See* Palæography and Diplomatic
Diseases—
  Contagious, 647
  Infectious, 30, 31, 114, 131, 153, 317, 320, 403, 435, 476, 489, 509, 759, 802, 865, 885, 912, 1003, 1011, 1057, 1079, 1083, 1238
  of Chest. *See under* Chest
Diseases of Chest, Inst. of, Lond., 296
Divinity. *See* Theology
Domestic Science. *See* Science, Domestic
Domestic Science Coll., Newcastle, 122
Dorchester Coll., 98
Drama, 45, 109, 156, 174, 175, 176, 441, 448, 551, 574, 672, 690, 693, 773, 834, 871, 904
Dravidian Languages, 998
Drawing. *See* Art
Drugs. *See* Food and Drugs
Dublin Univ., 1233
Dublin Univ. Coll., 1243, 1245
Dublin, Vet. Coll. of Ireland, 1239
Duchesne Coll., Brisbane, 792
Dundee Univ. Coll., 520, 528
Dunedin Univ. Coll. *See* Otago Univ.
Durham Univ., 97
Durham Univ., Durham Colls., 101
Durham Univ., King's Coll., Newcastle upon Tyne, 107
Durham Univ. Inst. of Educn., 121
Dutch, 174, 175, 192, 195, 772, 774, 863, 870, 876, 880, 892, 896, 900, 907
  History and Insts., 238
Dyeing, 136, 137, 141, 955, 956
  See also Chemistry, Colour

East and South European Inst., Ottawa, 662
East Asiatic Studies, 703

Eastbourne Training Coll., 183
Eastern Orthodox Culture, 356
East European Studies, 188, 507
East European Studies, School of Slavonic and, 188
East Malling Res. Stn., 304
East Panjab Univ., 978
Ecology, 591, 702
  Animal, 352
  Grassland, 761
  Human, 72
  Plant, 692
Economic Organization, 346
Economics—
  Applied, 64, 310, 337
  Colonial, 346
  Commercial, 880
  Indian, 997
  Industrial, 23, 880
  International, 310
  Labour, 984
  Public, 398
Economics, Bombay Univ. School of, 955
Economics, London School of, 215
Economy, Rural, 353, 417, 487, 496
  See also Agronomy
Edge Hill Training Coll., Ormskirk, 157
Edinburgh and E. of Scotland Coll. of Agric., 496
Edinburgh, Theol. Coll., 98
Edinburgh Univ., 481
Edmonton, Theol. Colls., 558
Education, Adult. *See* Extra-mural Studies
Education—
  Native, 866, 882
  of the Deaf, 325
  Physical, 35, 53, 128, 156, 174, 176, 183, 185, 325, 416, 433, 441, 446, 458, 476, 494, 547, 558, 573, 584, 617, 626, 667, 677, 691, 693, 719, 720, 737, 759, 780, 791, 832, 837, 844, 877, 882, 893, 896, 901, 942, 949, 1005, 1042
  Rural, 847
  Visual, 441, 575
Education, Insts. of—
  Birmingham, 24, 34, 39
  Bristol, 52, 55
  Cambridge, 94
  Durham, 121
  Exeter, 443
Education, Insts. of (*contd.*)—
  Gold Coast, 1091
  Hull, 448
  Leeds, 138
  Leicester, 453
  London, 183
  Nottingham, 337
  Sheffield, 408
  Southampton, 460
Education, School of, Manchester, 325
Edward Grey Inst. of Field Ornithol., Oxon., 385
Egyptian, 147
Egyptology, 65, 102, 144, 147, 239, 311, 355
Eire, Univs. of, 1233-1255
Elasticity, 47
Elder Conservatorium of Music, Adel., 761, 763
Electronics, 73, 152, 458, 607, 788, 830, 963
  Industrial, 334
Electron Microscopy, 69, 124
Electro-technics, 151, 152
Electrotherapy. *See under* Therapy
Elocution, 109, 126, 174, 175, 185, 323, 337, 441, 495, 592, 610, 626, 666, 733, 762, 861, 863, 871, 904, 1236
Embryology, 144, 227, 236, 352, 469, 502, 531, 581, 603, 647, 664, 675, 724, 770, 796
  Experimental, 797
  Vertebrate, 710
Emmanuel Coll., Brisbane, 791
Emmanuel Coll., Sask., 693
Emmanuel Coll., Toronto, 701, 721, 733
Endocrinology, 597, 612
  Gynæcological, 318, 490
Engineering. *See all U.K. Univs. (except Reading), and most overseas*
  Aeronautical. *See* Aeronautics
  Agricultural. *See* Agricultural Engineering
  Architectural, 757
  Chemical, 24, 72, 136, 141, 199, 208, 239, 304, 305, 306, 323, 519, 553, 592, 609, 672, 710, 758, 800, 814, 908, 955, 998, 1020, 1051
  Civic, 146, 170

Engineering (*contd.*)—
Communications. *See* Telecommunications
Dock and Harbour, 151, 801
Drawing and Design, 508, 521, 610, 653, 672, 711, 773, 801, 1093
Farm. *See* Agriculture
Forest, 470
for Town Planning. *See* Town and Country Planning
Gas, 136, 141
Geological, 692
Heat Engines, 426, 484, 508, 537, 773
High Voltage, 323
Hydraulic, 200, 817
Internal Combustion, 1052
Irrigation, 553, 801
Marine, 109, 152, 429, 458, 477. *See also* Architecture, Naval
Metallurgical, 334, 458, 610, 712, 758. *See also* Metallurgy
Mining, 141, 495, 513, 517, 579, 610, 712, 800, 801, 911
Municipal, 239, 324, 553, 610, 674, 711, 758, 786, 1086, 1250
Pattern Making, 152
Power, 1052
Production, 25, 38, 508
Radio, 458
Road, 610, 773
Sanitary, 320, 801
Structural, 323, 521, 711, 817
Textile, 138, 324, 325
English, for Foreign Students, 93, 175, 216, 335, 406, 442
English-speaking Union, 1257
Entomology, 48, 54, 56, 65, 112, 130, 147, 203, 299, 304, 306, 347, 352, 428, 477, 488, 496, 508, 551, 592, 618, 635, 710, 723, 724, 761, 800, 847, 872, 883, 902, 1098, 1102, 1106
Chemical, 304
Economic, 787, 790
Forest, 352, 488, 574
Epidemiology, 581, 717
Epigraphy, Hebrew, 231
Semitic, 74, 244
Esperanto, 147
Estate Management, 71, 89, 113, 304, 306
Estate Management, Coll. of, Lond., 304
Ethics—
Christian, 322, 483, 521, 538, 731, 882
Eastern, 355
Ethnology, 91, 344, 860
Bantu, 899
Eugenics, 240
Exeter Univ. Coll., 440
Extension. *See under* Extra-mural Studies
External Students. *See* Students External
Extra-mural Studies, 19, 34, 39, 53, 57, 74, 93, 103, 106, 117, 118, 120, 125, 129, 138, 141, 142, 157, 161, 162, 174, 212, 247, 253, 304, 308, 325, 326, 329, 331, 337, 341, 342, 357, 386, 394, 396, 405, 408, 418, 419, 423, 424, 428, 433, 442, 447, 453, 460, 462, 494, 499, 512, 514, 519, 538, 540, 548, 558, 560, 575, 576, 587, 601, 622, 628, 640, 641, 644, 657, 670, 679, 685, 692, 695, 720, 729, 740, 765, 783, 791, 794, 805, 808, 818, 820, 832, 833, 837, 841, 842, 845, 849, 875, 878, 888, 898, 917, 1012, 1013, 1028, 1038, 1074, 1077, 1091, 1092, 1095, 1100, 1101, 1105, 1109, 1252

Farm. *See under* Agriculture
Feeding. *See* Nutrition
Ferens Inst. of Otology, Lond., 268
Fermentation, 27, 490
Fevers, 50, 525
Finance. *See* Public Finance
Fine Arts. *See* Art
Finnish, 446
Fisheries, 471, 574, 579, 1042
See also Biology, Marine, and Ichthyology
Fisheries Research Board of Canada, 585
Fluid Mechanics, 152, 200, 305, 311
Folklore, 592, 1246
Food and Drugs, 199, 943, 955
Foreign Languages Dip., 99
Forestry, 71, 306, 347, 413, 421, 471, 487, 488, 569, 592, 658, 704, 773, 788, 796, 883, 902, 976, 1247
See also Bot., Chem., Engin., Entomol., Law

Forestry, Inst., Imperial, Oxon., 384
Fort Hare, South African Native Coll., 857
Fourah Bay Coll., Sierra Leone, 97
Franco-Scottish Society, 499
Froebel Educn. Inst., Lond., 183
Fruit Culture, 54, 304, 796, 850
See also Pomology; Viticulture
Fruit Culture Res. Stn., 304, 904, 1103
See also Pomology; Viticulture
Fuels, 136, 140, 141, 336, 407, 558
See also under Technology
Furzedown Training Coll., 183, 304

Galway Univ. Coll., 1243, 1253
Gastroenterology, 30
Gauhati Univ., 984
General Cert. of Educn., *see pages* 1111-1156
Genetics, 26, 30, 49, 65, 92, 240, 304, 306, 309, 316, 352, 488, 504, 525, 553, 606, 710, 839, 850, 872, 883, 903, 1102
See also Plant Genetics
Geochemistry, 127
Geodesy, 65, 137, 711, 798
Geography—
Colonial, 348
Commercial, 931, 1235
Economic, 312, 348, 452, 772, 876, 881
Historical, 208, 459
Human, 348, 649
Physical, 798
Geology—
Applied, 127, 312, 517
Economic, 485
Pleistocene, 348
Geometry, 61, 242, 336, 348, 553, 711
Geomorphology, 147
Geophysics, 65, 580, 706, 798, 941, 1236
George Eastman Visiting Professorship, 1259
George Watson Lectureship, 1259
Georgian, 231
Germanic, 186, 774
Germanic Langs. and Lits., Inst. of, Lond., 186
Gipsy Hill Training Coll., Surrey, 183
Glamorgan Tech. Coll., 428
Glasgow, Royal Tech. Coll., 516
Glasgow Univ., 502
Gloucestershire Training Coll. of Dom. Sc., 54
Gold Coast Univ. Coll., 1090
Goldsmiths' Coll., Lond., 183, 304
Gordon Memorial Coll., Khartoum, 1107
Government, 26, 312, 351, 567, 633, 797, 798
Grants to U.K. Univs. and Colls., 3
Local, 349. *See also under* Law
Graduate Studies. *See* Postgraduate
Graphics, 773
Greek, Modern, 23, 63, 209
Gregorian Chant, 593
Gujarati, 229, 956, 957, 958
Guy's Hosp. Med. School, Lond., 258

Hæmatology, 49, 155, 317, 354, 724
Halifax Conservatory of Music, N.S., 585
Halifax Ladies' Coll., N.S., 585
Halifax, Theol. Coll., 584, 588
Hall Research Inst., Melb., 782
Halley Stewart Lab., Lond., 210
Hamilton Coll., Ont., 624
Harold Vyvyan Harmsworth Professorship, 1259
Harris Inst., Preston, 157
Hartley Methodist Coll., 326
Hartley Univ. Coll. *See* Southampton Univ. Coll.
Hatfield Coll., Durham, 104
Hausa, 231
Health—
Child. *See* Pædiatrics
Industrial, 114, 490
Occupational, 33, 318
Public, 33, 37, 51, 56, 73, 99, 115, 118, 134, 154, 172, 284, 286, 299, 404, 413, 435, 476, 490, 511, 526, 536, 554, 558, 575, 576, 584, 676, 717, 740, 760, 778, 779, 832, 865, 886, 959, 995, 1058, 1084, 1238, 1248, 1251
See also Hygiene
Visitors, 448, 498
Heat Engines. *See* Engineering, Heat Engines
Hebrew, 46, 74, 102, 127, 130, 141, 148, 231, 240, 304, 316, 355, 421, 422, 463, 471, 474, 485, 505, 522, 538, 588, 626, 674,

Hebrew (*contd.*)—
675, 731, 736, 829, 839, 862, 877, 881, 909, 966, 1238, 1246
See also Semitic Studies
Helminthology, 299, 486
Heriot-Watt Coll., Edin., 495
Highbury Coll., 98
Higher Educn. in the Colonies, Inter-Univ. Council for, 1231-1232
Hindi, 229, 937, 940, 949, 957, 966, 974, 987, 990, 993, 999, 1000, 1010, 1018, 1023, 1029, 1041, 1042
Hindustani, 229
Hispanic Studies. *See* Spanish
Histology, 28, 69, 72, 73, 115, 150, 227, 236, 264, 265, 308, 425, 533, 581, 603, 647, 664, 724, 737, 738, 756, 770, 796, 1086, 1247
Historical Research, Inst. of, Lond., 187
History—
Acadian, 646
American, 67, 241, 348, 523
Research Professorships of, 1259
Architectural, 797
Asiatic, 230, 232
Balkan Mediæval, 352
Canadian, 579, 593, 646, 662, 673
Central European, 188
Colonial, 46, 471, 523, 673, 844
Constitutional, 485, 505
East African, 232
East European, 188
Ecclesiastical, 64, 130, 313, 322, 355, 356, 422, 474, 483, 504, 521, 538, 547, 588, 609, 626, 731, 733, 877, 882, 1238
Ecclesiastical, Russian, 188
Economic, 24, 64, 66, 146, 188, 216, 310, 313, 337, 427, 432, 441, 452, 473, 483, 522, 532, 533, 649, 772, 797, 798, 822, 876, 908, 1087, 1235
Far Eastern, 74, 232
French, 241, 349
Hellenistic, 348
Imperial, 46, 67, 209, 249, 471
Indian, 232, 348, 962, 997, 1029
International, 216
Irish, 1246
Islamic, 74, 962, 999, 1064
Latin American, 241
History (*contd.*)—
Legal, 46, 217, 508, 580, 597, 647, 1247
London, 241
Natural, 175, 472, 486, 1254
Naval, 67
Near Eastern, 74, 102
of Afrikaans Culture, 881
of Classical tradition, 190
of Danubian Lands, 188
of Education, 208, 882, 900, 1048
of French Thought, 312
of Mathematics, 512
of Medicine, 489, 526, 598, 647, 665, 1237
of Music, 910
of Near and Middle East, 232
of Netherlands Culture, 880, 881
of Pacific, 767
of Philosophy, 1236
of Preclassical Antiquity, 190
of Roman Britain, 335
of Science. *See* Science
of Theological Doctrine, 322, 460, 733
Oriental, 232
Polish, 188
Russian, 150, 188
Scottish, 505, 523
Sinhalese, 1059
South African, 901
Spanish, 349
Welsh, 416, 421, 427
West African, 232
Hobart Tech. Coll., 813
Hobart Theol. Coll., 813
Holiday Courses, 40, 58, 94, 142, 162, 175, 331, 386, 424, 434, 499, 548, 560, 564, 568, 576, 621, 627, 628, 640, 644, 669, 679, 687, 694, 722, 740
For Foreign Students, 58, 94, 175, 246, 386
Holt Radium Inst., Manc., 327
Home Economics. *See* Science, Domestic
Hong Kong Univ., 1078
Hops, 252
See also Brewing
Horticulture, 46, 54, 56, 169, 251, 307, 309, 338, 392, 394, 440, 443, 477, 496, 513, 553, 571, 618, 692, 723, 847, 850, 872, 883, 1247
Res. Stns., 54, 304, 394

Household Work. *See* Science, Domestic
Huddersfield Tech. Coll., 139
Hull Univ. Coll., 445
Humanities, 174, 786
Hungarian, 188
Huron Coll., Ont., 739
Husbandry—
  Animal, 151, 227, 251, 417, 495, 535, 553, 566, 618, 634, 691, 722, 724, 800, 847, 872, 883, 902, 929, 958, 1094, 1106
  Crop, 130, 417, 535
  Dairy, 130, 393, 850, 902
  Field, 692, 723, 847, 851, 902
  Poultry, 338, 477, 513, 553, 574, 619, 692, 723, 724, 800, 851, 884, 903
  Sheep, 724, 800, 851
Hygiene, 54, 146, 213, 239, 286, 289, 299, 305, 435, 458, 476, 554, 595, 598, 647, 649, 713, 717, 718, 724, 830, 877, 1003, 1004, 1010, 1011, 1030, 1237, 1251, 1254 *See also* Health
  Industrial, 51, 404, 525, 718
  Social, 799, 800
  Tropical, 156, 491
Hygiene, and Public Health, All India Inst. of, 964
Hygiene and Trop. Med., London School of, 299
Hygiene, School of, Montreal, 647
Hygiene, School of, Toronto, 717

Ibadan, Univ. Coll., 1093
Icelandic, Ancient, 347
Ichthyology, 896
  See also Fisheries
Immunology, 299, 305, 435, 526, 611, 635, 737
Imperial Coll. of Science and Tech., Lond., 198
Imperial Coll. of Tropical Agric., Trinidad, 1102
Imperial Forestry Inst., Oxon., 384
India, Inter-Univ. Bd., 925
Indian Colls. at—
  Agartala, 963
  Agra, 928
  Aharbelma, 964
  Ahmednagar, 1033
  Ajmer, 928
  Akola, 1015
Indian Colls. at (*contd.*)—
  Aligarh, 928
  Allahabad, 938
  Alleppey, 1043
  Alwar, 1037
  Alwaye, 1043
  Amalnar, 1033
  Ambala Cantt, 979, 981
  Ambala City, 979
  Amraoti, 1014-1015
  Amritsar, 979, 981
  Amta (Howrah), 964
  Anantapur, 1001, 1004
  Andheri, 956
  Arambagh, 964
  Arrah, 1029
  Asansol, 964
  Aurangabad, 1027
  Aurangabad (Gaya), 1029
  Azamgarh, 928
  Balasore, 1047
  Ballia, 928
  Ballygunje (Calcutta), 964
  Balurghat, 964
  Banaras, 952
  Bangalore, 1001, 1007, 1008
  Bangaon, 964
  Bankipur (Patna), 1029-1030
  Bankura, 964
  Bapatla, 943
  Baraut, 928
  Bareilly, 928
  Baripada (Mayurbhanj), 1047
  Barpeta, 985
  Basim, 1015
  Basirhat, 964
  Batala, 979
  Begusarai, 1030
  Belgachia, 964
  Bellary, 1002
  Belur Math, 964
  Berhampur, 964, 1047
  Bezwada, 943
  Bhadrak (Balasore), 1047
  Bhagalpur, 1030
  Bharatpur, 1037
  Bhatinda, 979
  Bhimavaram, 944
  Bhiwani, 979
  Bhopal, 928
  Bhowanipur (Calcutta), 964
  Bihar (Patna), 1030
  Biharsharif (Patna), 1030
  Bikaner, 1036

Indian Colls. at (*contd.*)—
Bilaspur, 1040
Bishnupur (Bankura), 964
Bolangir, 1047
Bombay, 956-958
Brijnagar, 1037
Bundi, 1037
Burdwan, 964
Calcutta, 964-965
Calcutta (Sibpur), 964
Calicut, 1002
Chaderghat, 1026
Chandarnagore, 965
Chandausi, 928
Changanacherry, 1043, 1044
Chapra, 1030
Chhattarpur, 929
Chikmagalur, 1007
Chitaldrug, 1007
Chittoor, 1043
Churu, 1036
Cocanada, 943
Coimbatore, 1001, 1002, 1004
Contai, 965
Cooch-Behar, 965
Cuddapah, 1002
Cuttack, 1047-1048
Dalhousie, 981
Darbhanga, 1050-1051
Darjeeling, 965
Darululoom, 1026
Davangere, 1007
Dehradun, 929
Delhi, 975-976
Dharamsala, 979
Dhubri, 985
Diamond Harbour, 965
Dibrugarh, 985
Ellore, 944
Ernakulam, 1000, 1001, 1043
Faridkot, 979, 981
Fatehpur, 1036
Fazilka, 979
Feroke, 1001
Ferozepore, 979, 981
Ferozepore Cantt, 979
Garbeta, 965
Gauhati, 985
Gaya, 1031
Ghaziabad, 929
Gobardanga, 965
Gorakhpur, 929
Guindy, 1003
Gulbarga, 1027
Indian Colls. at (*contd.*)—
Guntur, 943, 944
Gurusar Sadhar (Ludhiana), 979
Gwalior, 929
Hassan, 1007
Hazaribagh, 1031
Hetampur, 965
Hissar, 981
Hoshiarpur, 979
Howrah, 965
Hughli, 965
Hyderabad, 1024-1026
Imphal (Manipur), 985
Indore, 929
Jaipur, 1036
Jaipur (Cuttack), 1048
Jalgaon, 1033
Jalpaiguri, 965
Jammu, 987
Jaunpur, 929
Jeypore (Koraput), 1048
Jhansi, 929
Jind, 979
Jobner, 1036
Jodhpur, 1036
Jogeswari, 958
Jorhat, 985
Jubbulpore, 1040
Jullundur, 979, 981
Jullundur Cantt, 980
Kalimpong, 965
Kalna, 965
Kanpur, 929
Kapurthala, 980, 981
Karaikudi, 1001
Karimganj, 985
Karnal, 980
Katwa, 965
Khagaria, 1031
Khamgaon, 1015
Khandwa, 1040
Khanna, 980
Khurja, 929
Kishangarh, 1037
Kolar, 1007
Kotah, 1037
Kottayam, 1044
Kovvur, 944
Krishnagar, 965
Kumbakonam, 1001
Kurnool, 1001
Kurseong, 965
Lakhaoti, 929
Lakhimpur-Kheri, 929

Indian Colls. at (*contd.*)—
Lucknow, 988-994
Ludhiana, 980, 981
Madanapalle, 1001
Madhubani, 1031
Madhurai, 1001
Madras, 998-1000, 1001, 1003-1004
Madura, 1002
Mahilpur (Hoshiarpur), 980
Mahisadal, 965
Maldah, 965
Malerkotla (Pepsu), 980
Mandi (Himachal Pradesh), 980
Mandya, 1007
Mangalore, 1001, 1004
Masulipatam, 943, 944
Mathura, 929
Meerut, 929
Midnapur, 965
Moga, 980
Monghyr, 1031
Moradabad, 929, 930
Motihari, 1031
Mulund, 1033
Muzaffarnagar, 930
Muzaffarpur, 1031
Mysore, 1007-1008
Nabha, 980
Nagercoil, 1044
Nagpur, 1014-1015
Naihati, 965
Nalbari, 985
Narasapur, 944
Nasik, 1033
Nawalgarh, 1036
Nellore, 943, 944
New Delhi, 976, 980
Nowgong, 985
Palamcottah, 1001
Palghat, 1001
Parlakimedi (Ganjam), 1048
Patiala, 980
Patna, 1031
Phagwara, 980
Pilani, 1036
Poona, 1033
Pudukkottai, 1001
Puri, 1048
Purnea, 1031
Qadian, 980
Quilon, 1043
Raiganj, 965
Raipur, 1040
Rajahmundry, 943, 944
Rampur, 930
Ranchi, 1031
Ratnagiri, 1033
Rewa, 930
Rewari, 980
Rohtak, 980, 981
Roorkee, 981
Rupar, 980
Sabour, 1031
Saidapet, 1004
Salem, 1002
Sambalpur, 1049
Sanawar, 980
Sangli, 1033
Sangrur, 980
Santipur, 965
Satara, 1033
Secunderabad, 1026
Serampur, 965
Shahjahanpur, 930
Shikohabad, 930
Shillong, 985
Shimoga, 1007
Sholapur, 1033
Sibpur, 965
Sikar, 1036
Silchar, 985
Simla, 981
Sivaganga, 1002
Siwan, 1031
Sonada, 965
Sri Ganganagar, 1036
Srinagar, 987
Tambaram, 1000
Tamluk, 965
Tellicherry, 1002
Tenali, 944
Tezpur, 985
Thevara, 1002
Tinnevelly, 1002
Tirupati, 1002
Trichinopoly, 1000, 1002
Trichur, 1002
Trivandrum, 1043, 1044
Tumkur, 1007
Tuticorin, 1002
Udaipur, 1036
Udipi, 1002
Ujjain, 930
Uluberia, 965
Unnao, 930
Uttarpara, 965
Vaniyambadi, 1002

Indian Colls. at (*contd.*)—
Vellore, 1002, 1004
Virudhunagar, 1002
Vizagapatam, 943
Vizianagaram, 943, 944
Waltair, 943
Warangal, 1027
Wardha, 1015
Indian Inst. of Science, Bangalore, 1051
Indian Langs., 963, 984, 999
See also separate Langs.
Sociology. *See* Science, Social, Indian
Indian Univs.—
General Information, 919-927
Indo-Aryan Langs., 229
Industrial Organization, 109, 215, 483, 537, 956
Relations, 67, 125, 311, 349, 427, 571, 595, 609, 610, 674, 772, 956, 1064
Industrial Relations, Inst. of, 620
Institutions, Comparative Study of, 349
International Center, Univ. of Michigan, Ann Arbor, 1257
International Education, Inst. of, N.Y., 1256
International House, N.Y., 1256
International House, Philadelphia, 1257
International Politics, 417
Relations, 174, 176, 217, 242, 349, 353, 472, 488, 709, 767
International Student Assoc., Cambridge, Mass., 1257
International Student House, Washington, D.C., 1256-1257
Inter-Univ. Board, India, 925
Inter-Univ. Board, Pakistan, 1062
Inter-Univ. Council for Higher Educn. in the Colonies, 1231-1232
Iranian. *See* Persian
Ireland, Vet. Coll. of, 1239
Irish, 1236, 1246, 1250, 1253
Irrigation. *See under* Engineering
Islamic Studies, 74, 355, 934, 962, 963, 989, 999, 1042, 1063, 1064, 1069
Isle of Man, Theol. Coll., 98
Italian, 26, 67, 127, 148, 174, 175, 192, 196, 241, 249, 313, 335, 349, 426, 427, 485, 505, 523, 608, 646, 675, 706, 736, 798, 817, 1236, 1246

Jamaica, Theol. Coll., 98
Jammu and Kashmir, Univ. of., 987
Japanese, 74, 230, 791
Jewish Studies, 188, 316, 355
Jews' College, Lond., 304
John Curtin School of Med. Research, Canberra, 743, 767, 768
John Innes Hort. Inst., Lond., 304
Joint Coal-mining Diplomas, 38, 89, 429
Journalism, 588, 649, 736, 774, 789, 835, 840, 967, 978, 1005, 1069
Jute Technology, Inst. of, Calc., 968

Kalgoorlie School of Mines, 819
Kanarese, 944
Kannada, 998, 1009, 1023
Kayshap Res. Inst., Lahore, 1073
Kenton Lodge Training Coll., 122
King Edw. VII Coll. of Med., Singapore, 1084
King's Coll., Brisbane, 791
King's Coll., London, 183, 207
King's Coll. Hosp. Med. School, Lond., 261
King's Coll., Newcastle upon Tyne, 107
King's Coll. of Household and Social Science, Lond., 213
King's Coll., Theological Dept., 254
King's Coll., Univ. of, N.S., 578, 588
Kingston, Theol. Coll., 677
Knox Coll., Toronto, 701, 721
Koonamore Field Lab., 763

Laboratory Technique and Arts, 190, 678
Lambeth degrees, 17
Lampeter, St. David's Coll., 463
Lancashire Independent Coll., 326
Landscape Design. *See* Architecture
Laryngology and Otology, Inst. of, Lond., 295
Latin, Mediæval, 67
Launceston Tech. Coll., Tasmania, 813
Laval Univ., 590
Law. *See all U.K. Univs. (except Reading), and most Overseas Univs.*

Law (*contd.*)—
Administrative, 217, 442, 488, 508, 580, 596, 883, 1086
Advanced Legal Studies, 180
Aerial, 647
African, 232
Burmese, 232
Canon, 356, 663
Colls., India, 942, 943, 952, 957, 985, 1003, 1008, 1014, 1030, 1036, 1040, 1043
Colls., Pakistan, 1070, 1075
Commercial, 24, 127, 217, 313, 537, 596, 647, 686, 735, 757, 798, 834, 839, 862, 1086, 1235
Comparative, 72, 89, 241, 353, 399, 474, 829, 835, 883
Corporations, 580
Educational, 597
Engineering, 152
Finance, 647
Forest, 593
Indian, 232
Industrial, 313, 488, 647, 649, 777, 798, 801, 862
International, 26, 72, 89, 148, 241, 242, 313, 353, 474, 488, 509, 580, 597, 647, 758, 801, 802, 829, 835, 883, 1086, 1247
Islamic, 232, 1107
Legal Ethics, 26, 758, 801, 835
Local Government, 149
Maritime, 596, 647, 802
Mercantile, 474, 483, 509, 758, 778, 801, 893, 958
Native, 908
N.Z., 844
of Housing and Town Planning, 112, 146, 308
of Journalism, 774
Oriental, 232
Parish, 597
Roman Dutch, 353, 862, 883
Scots, 488, 523
Laxminarayan Inst. of Technology, 1014, 1020
Leather, 137, 141, 967, 998
Procter Internat. Res. Lab., Leeds, 137
Leather Res. Inst., Grahamstown, 897
Leeds Coll. of Technol. Printing Dept., 139
Leeds Univ., 123
Legal Studies, Inst. of, Advanced, Lond., 180
Leicester Univ. Coll., 451
Leprosy, 865, 1057
Librarianship, 170, 242, 546, 611, 656, 664, 720, 736, 866, 881, 945, 952, 959, 967, 973, 1005, 1244
Lichfield Coll., 98
Lincoln Coll., 98
Lincoln, N.Z., Coll. of Agric. *See* Canterbury
Lincoln Tech. Coll., 405
Linguistics, 26, 128, 170, 231, 243, 442, 484, 487, 595, 757, 909, 910, 963, 1091, 1236
See also Logopedics
Lister Inst., London, 302
Liverpool Observatory and Tidal Inst., 157
Liverpool Univ., 144
Local Government Law. *See* Law, Local Gov.
Logopedics, 910
See also Linguistics
London Day Training Coll. *See* Education, Inst. of, Lond.
London Hosp. Med. Coll., 264
London Sch. of Econ. and Pol. Sci., 215
London, Theol. Colls., 165
London Univ., 164
External Examns. Overseas, 168
External Students, 168, 173
London Univ., *Schools and Institutions:*—
Univ. Departments—
Courtauld Inst. of Art, 179
Inst. of Adv. Legal Studies, 180
Inst. of Archæology, 181
Inst. of Commonwealth Studies, 182
Inst. of Education, 183
Inst. of Germanic Langs. and Lits., 186
Inst. of Historical Res., 187
Sch. of Slavonic and E. Europ. Studies, 188
Univ. Observatory, 190
Warburg Inst., 190
Non-Medical Schools—
Bedford Coll., 191
Birkbeck Coll., 195
Imp. Coll. of Science and Techn., 198

London Univ., *Schools and Institutions*:—
Non-Medical Schools (contd.)—
King's Coll., 183, 207
King's Coll. of Household and Social Science, 213
London Sch. of Econ. and Pol. Sci., 215
Queen Mary Coll., 221
Royal Holloway Coll., 224
Royal Veterinary Coll., 227
Sch. of Oriental and Afr. Studies, 229
Sch. of Pharmacy, 235
University Coll., 236
Westfield Coll., 249
Wye Coll., 251

Theol. Schools—
King's Coll., Theol. Dept., 254
New Coll., 254
Richmond Coll., 254
St. John's Hall, 255
Undergrad. Medical Schools—
Charing Cross Hosp. Med. Sch., 256
Guy's Hosp. Med. Sch., 258
King's Coll. Hosp. Med. Sch., 261
London Hosp. Med. Coll., 264
Middlesex Hosp. Med. School, 267
Royal Dental Hosp. Sch. of Dent. Surg., 270
Royal Free Hosp. Sch. of Med., 272
St. Bartholomew's Hosp. Med. Coll., 275
St. George's Hosp. Med. Sch., 278
St. Mary's Hosp. Med. Sch., 280
St. Thomas's Hosp. Med. Sch., 283
Univ. Coll. Hosp. Med. Sch., 286
Westminster Med. Sch., 289
Postgrad. Medical Schools—
British Postgraduate Med. Fed., 291
Inst. of Cardiology, 297
Inst. Child Health, 295
Inst. of Dental Surg., 298
Inst. of Dermatology, 297
Inst. of Diseases of Chest, 296
Inst. of Laryn. and Otol., 295
Inst. of Neurology, 298
London Univ., *Schools and Institutions*:—
Postgrad. Medical Schools (contd.)—
Inst. of Obstet. and Gynæc., 296
Inst. of Ophthalmology, 295
Inst. of Orthopædics, 297
Inst. of Psychiatry, 294
Inst. of Urology, 297
Postgrad. Med. Sch., 294
Lister Inst., 302
London Sch. of Hyg. and Trop. Med., 299
Royal Cancer Hosp., 303
Institutions with Recog. Teachers—
Battersea Polytechnic, 304
Chelsea Polytechnic, 304
Coll. of Estate Management, 304
East Malling Res. Stn., 304
Furzedown Training Coll., 304
Goldsmiths' Coll., 183, 304
Jews' Coll., 304
John Innes Hortic. Inst., 304
Maria Grey Training Coll., 304
Nat. Inst. for Med. Res., 305
Northampton Polytechnic, 305
Northern Polytechnic, 305
Rothamsted Exp. Stn., 305
Royal Academy of Music, 305
Royal Coll. of Music, 305
Royal Institution, 305
Sir John Cass Coll., 305
Trinity Coll. of Music, 305
West Ham Munic. Coll., 305
Woolwich Polytechnic, 305
London, Ont., Theol. Colls., 739
Long Ashton Res. Stn., 54
Low Temperature Res. Stns., 93, 1103
Lucknow Univ., 988
Lutheran Coll., Sask., 693
Luther Coll., Regina, 694
Luther Theol. Sem., Sask., 693

Macdonald Coll., 603, 618
McGill Univ., 603
McMaster Univ., 624
Machine Design and Construction, 537, 773
Machine Tools, 773
Madras Oriental Res. Inst., 998
Madras Univ., 997
Magee Coll., Londonderry, 1239
Maithill, 1030
Makerere Coll., 1097
Malariology, 1011

Malay, 230
Malaya, Univ. of, 1082
Malayalam, 948, 998, 1000, 1042
Malta, Univ. of, 1086
Maltese, 1086
Malting, 27, 38
Manchester Coll. of Technology, 326
Manchester, Theol. Colls., 326
Manchester Univ., 308
Manitoba Law School, 638
Manitoba Univ., 543, 630
Manresa Hse. Training Coll., 183
Marathi, 229, 957, 958, 1018, 1023, 1041
Maria Assumpta Training Coll., Lond., 183
Maria Grey Training Coll., Lond., 183, 304
Marine Biol. Stn., Port Erin, 151, 158
Marischal Coll., 478
Maritime Coll. of Pharmacy, 585
Massey Agric. Coll., N.Z., 825, 850
Mathematics—
  Analysis, 110, 128, 149
  Engineering, 459, 470, 840
  Philosophy of, 350
Mathieu Coll., Sask., 668
Matriculation. *See* Admission
Mauritius, Coll. of Agric., 1106
Measurements, Electrical, 324
Mechanical Drawing, 591
Mechanics, 47, 201, 830
  Applied, 609
Medical Colls., Schools and Depts., 29, 48, 72, 113, 131, 152, 169, 256-303, 316, 353, 402, 435, 474, 488, 509, 525, 535, 554, 581, 597, 611, 635, 647, 664, 675, 694, 713, 737, 759, 778, 790, 802, 819, 830, 864, 884, 911, 928, 929, 934, 943, 957, 958, 964, 967, 975, 976, 981, 982, 985, 988, 1003, 1004, 1007, 1010, 1021, 1024, 1030, 1033, 1036, 1048, 1056, 1067, 1070, 1075, 1078, 1079, 1080, 1083, 1087, 1094, 1098, 1237, 1247, 1251, 1254
Medical Degrees, U.K. Univs., 13
  See separate Overseas Univs.
Medical Economics, 555, 597
Medical Ethics, 131, 317, 475, 597, 598, 647, 664, 778, 802, 865, 885, 1251
Medical Hydrology, 131
Medical Mycology. *See* Mycology
Medical Statistics, 30, 299, 490, 536
Medicine—
  Adaptation, 597
  Forensic, 30, 49, 114, 131, 153, 258, 264, 278, 281, 286, 317, 402, 435, 475, 489, 509, 523, 598, 616, 635, 647, 675, 713, 778, 802, 831, 864, 885, 912, 988, 1003, 1004, 1010, 1011, 1057, 1079, 1083, 1087, 1094, 1237, 1247, 1251, 1254
  Humanities in, 713
  Industrial, 404, 498
  Preventive, 51, 133, 320, 435, 536, 636, 724, 737, 760, 804, 830, 914, 1087, 1095, 1237
  Principles of, 114
  Psychological, 56, 115, 153, 172, 174, 176, 436, 511, 526, 536, 831, 865, 959, 1057, 1083, 1238
  Social, 33, 320, 355, 404, 490, 536, 612, 636, 790, 1084, 1087, 1095
  State, 989
  Tropical, 156, 172, 268, 299, 355, 491, 790, 804, 915
Melbourne, Theol. Colls., 780-781
Melbourne Univ., 742, 770
Melbourne Univ., Mildura Branch, 783
Memorial Coll., Brecon, 412
Memorial Univ. of Newfoundland, 584, 620, 643
Mende, 231
Mental Deficiency, 32, 133, 526
Mental Diseases, 31, 51, 99, 134, 257, 259, 261, 264, 267, 272, 276, 278, 280, 286, 289, 291, 319, 354, 392, 403, 475, 490, 511, 525, 556, 582, 598, 615, 635, 636, 648, 665, 676, 715, 738, 790, 804, 831, 886, 914, 988, 1003, 1011, 1087, 1247, 1252, 1254
  See also Medicine, Psychological
Mental Health, Hygiene, 218, 475, 554, 790, 799, 800, 914
Mesopotamian Studies, 316, 322
Metabolic Res. Unit, Lond., 285
Metabolism, 132, 393
Metal Enamelling, 953
Metallography, 314, 427, 775

Metallurgy, 27, 48, 67, 110, 136, 140, 141, 152, 202, 304, 305, 307, 314, 402, 427, 432, 518, 554, 572, 594, 610, 611, 674, 775, 814, 829, 830, 911, 952, 1052
Electro-, 314, 1052
Ferrous, 402
Foundry, 406
Industrial, 27
Metallic Corrosion, 68
Non-Ferrous, 314, 407
Metalwork, 108, 152
Meteorology, 202, 350, 594, 775, 941, 1106
Metrology, 25
Meyerstein Inst. of Radiotherapy, Lond., 268
Microbiology, 54, 56, 62, 352, 402, 518, 767, 847, 851, 872, 956
Middlesex Hosp. Med. School, 267
Mildura. *See* Melbourne Univ.
Military Studies, 89, 170, 314, 349, 707, 934, 967, 991, 1071
Mineral Dressing, 572, 610, 830
Mineralogy, 26, 68, 102, 126, 350, 593, 606, 633, 673, 705, 758, 773, 788, 863, 1071, 1235
Mine Rescue, 27, 495
Mining, 27, 89, 99, 111, 137, 202, 328, 336, 402, 427, 486, 505, 554, 572, 594, 610, 643, 705, 758, 775, 814, 829, 952
See also Engineering, Mining
Ministry of Educn.—
Grants to Training Colls., 4
Scholps., 18
Mirfield, Coll. of The Resurrection, 139
Missiology, Inst. of, Ottawa, 666
Mod. Langs., Inst. of, Brisbane, 791
Molteno Institute, Camb., 62, 92
Montreal, Theol. Colls., 620
Montreal Univ., 645
Moravian Coll., Fairfield, 326
Mount Allison Univ., 544, 619, 653
Mount Lyell School of Mines and Industries, 813
Mount Pleasant Training Coll., Lond., 157
Mount Royal Coll., Calgary, 558
Mount St. Vincent Coll., 585, 656
Muresk Agric. Coll., W.A., 819
Music, Indian, 229, 939, 997, 1000
Irish, 1246
Music Teachers' Coll., Ont., 739
Mycology, 44, 54, 62, 131, 309, 477, 482, 535, 554, 850, 1094, 1102
Dermatological, 309
Mysore Univ., 1007

Nagpur Univ., 1014
Natal Agric. Res. Inst., 874
Natal Univ., 853, 869
National Inst. for Med. Research, Lond., 305
National Inst. for Res. in Dairying, Reading, 393, 394
National Inst. of Adult Educn., 20
National Society's Training Coll. of Dom. Subjs., Lond., 183
National Training Coll. of Dom. Subjs., Lond., 54, 183
National Univ. of Ireland, 1242
Native Affairs, 916. *See also under* Education
Navigation, 460, 477, 519, 643
Nervous Diseases, 598, 648
Neurochemistry, 613
Neurology, 31, 280, 283, 318, 354, 403, 437, 490, 581, 613, 648, 913
See also under Surgery
Neurology, Experimental, 49, 318
Neurology, Inst. of, Lond., 298
Inst. of, McGill, 613
Neuropathology. *See under* Pathology
Neurophysiology, 613, 738
Neville's Cross Coll., Durham, 104, 122
New Brunswick Univ., 543, 658
New Coll., Edinburgh, 494
New Coll., London, 254
New England Univ. Coll., Armidale, 742, 806, 810
Newfoundland, Mem. Univ. of. *See* Memorial Univ. of Newfoundland
Newman Coll., Melbourne, 781
New South Wales Univ. of Technology, 742, 743, 745, 786
New Zealand Univ., 825
Nonington Coll. of Physical Educn., 183
Norse, 244, 506
North of Scotland Coll. of Agric., 476
North Staffordshire, Univ. Coll. of, 455
Northampton Polytechnic, Lond., 305

Northern Polytechnic, Lond., 305
Norwegian, 111, 174, 175, 244
Notre-Dame Coll., Ottawa, 668
Notre-Dame Coll., Sask., 668
Nottingham Univ., 333
Nova Scotia Tech. Coll., 544, 685
Nuclear Physics, Inst. of, Calcutta, 967
Nuffield Inst. for Med. Research, Oxon., 384
Numismatics, 350
Nursing, 141, 172, 174, 176, 214, 318, 555, 572, 580, 617, 626, 640, 660, 676, 691, 718, 739, 888, 913, 974
  Industrial, 38, 318
  Public Health, 576, 740
Nutrition, 213, 299, 393, 394, 490, 598, 619, 635, 717, 762, 771, 800
  Animal, 618, 722, 724, 800
  Physiology of, 473
Nyanja, 231

Oak Hill Coll., 98
Observatories, 36, 61, 62, 92, 157, 190, 242, 384, 405, 443, 497, 513, 528, 620, 669, 677, 725, 763, 878, 887, 1088
  See also Astronomy
Obstetrics and Gynæcology, Inst. of, Lond., 296
Oceanic Languages, 230, 797
  See also Pacific Studies
Oceanography, 149, 567, 574
Oka Agric. Inst., 649
Onderstepoort Vet. Res. Lab., 887
Ontario Agric. Coll., 721
Ontario Coll. of Art, 725
Ontario Coll. of Education, 720
Ontario Coll. of Pharmacy, 723
Ontario Inst. of Chartered Accountants, 679
Ontario, Royal Coll. of Dental Surgeons, 725
Ontario Veterinary Coll., 724
Ophthalmology, Inst. of, Lond., 295
Optics, 202, 318, 495, 649, 956
Orange Free State Univ., 853, 876
Oriental and African Studies, School of, Lond., 229
Oriental Learning, Titles in, 945, 950, 953, 1004, 1005, 1045, 1073
Oriental Research Inst., Madras, 998
Oriental Studies, 47, 73, 89, 103, 355, 522, 633, 707, 767, 799, 952, 987, 1004, 1042, 1058, 1086, 1238
  See also separate Languages
Oriental Studies, Indian Inst., Oxford, 383
Oriental Studies, Inst. of, Cambridge, 91
Oriental Studies, School of, Lond., 229
Oriya, 941, 966, 1047, 1048, 1049
Ormond Coll., Melbourne, 780
Ornithology, 352
Ornithology, Edward Grey Inst. of, Oxon., 385
Orthopædics, Inst. of, Lond., 297
Osmania Univ., 1022
Otago Univ., 825, 828
Ottawa, Theol. Colls., 668
Ottawa Univ., 661
Ottawa Univ., Psychology, Inst. of, 668
Ottoman Turkish. *See* Turkish
Oxford and Cambridge Schools Examn. Bd., 92, 386
Oxford Colls.—
  All Souls, 357
  Balliol, 358
  Brasenose, 358
  Christ Church, 359
  Corpus Christi, 360
  Exeter, 360
  Hertford, 361
  Jesus, 361
  Keble, 370
  Lady Margaret Hall, 371
  Lincoln, 362
  Magdalen, 362
  Merton, 363
  New, 364
  Nuffield, 373
  Oriel, 365
  Pembroke, 365
  Queen's, The, 366
  St. Antony's, 370
  St. Edmund Hall, 369
  St. Hilda's, 373
  St. Hugh's, 372
  St. John's, 366
  St. Peter's Hall, 370
  Somerville, 372
  Trinity, 367
  University, 367
  Wadham, 368
  Worcester, 369

Oxford Colls. (*contd.*)—
St. Anne's Society (Home Students), 373
St. Catherine's Society (Non-Coll. Students), 370
Oxford Delegacy of Local Examns., 386
Oxford Univ., 344
Oyo, Nigeria, Theol. Coll., 98

Pacific Studies, 767, 822
Pacific Studies, Research School of, 767
See also Oceanic Languages
Pædiatrics, 32, 49, 113, 132, 133, 150, 152, 153, 184, 217, 257, 258, 261, 264, 267, 273, 275, 279, 281, 283, 287, 291, 317, 319, 326, 354, 402, 429, 435, 437, 474, 475, 476, 489, 491, 493, 509, 510, 525, 526, 527, 535, 556, 582, 598, 614, 617, 635, 636, 647, 665, 676, 715, 738, 759, 760, 778, 802, 803, 831, 864, 871, 885, 911, 912, 959, 988, 1003, 1057, 1079, 1083, 1238
Paint Res. Inst., Natal, 873
Painting. *See* Art
Pakistan Colls. at—
Abbottabad, 1071
Bahawalpur, 1071
Bakarganj (Chakhar), 1065
Barisal, 1065
Bogra, 1065
Campbellpur, 1071
Chittagong, 1065
Chittagong (Aldaran), 1065
Chittagong (Kanangopara), 1065
Dacca, 1066
Dacca (Manikganj), 1065
Dacca (Munshiganj), 1066
Dacca (Narayanganj), 1066
Dera Ismail Khan, 1071
D. G. Khan, 1071
Dinajpur, 1066
Faridpur, 1066
Faridpur (Ramdia), 1066
Gujranwala, 1071
Gujrat, 1071
Hyderabad, Sind, 1075
Jessore, 1066
Jessore (Magura), 1066
Jessore (Narail), 1066
Pakistan Colls. at (*contd.*)—
Jhang, 1071
Karachi, 1075, 1076
Khulna, 1066
Khulna (Bagerhat), 1066
Khulna (Daulatpur), 1066
Khulna (Sarhira), 1066
Kushtia, 1066
Lahore, 1070-1072
Lyallpur, 1071-1072
Montgomery, 1072
Multan, 1072
Mymensingh, 1066
Mymensingh (Bhairab), 1066
Mymensingh (Jamalpur), 1066
Mymensingh (Karatia), 1066
Mymensingh (Kishorganj), 1066
Mymensingh (Tangail), 1066
Noakhali, 1066
Pabna, 1066
Peshawar, 1071-1072
Quetta, 1072
Rajshahi, 1066
Rangpur, 1066
Rangpur (Alamnagar), 1066
Rawalpindi, 1072
Sakrand, 1076
Sargodha, 1072
Serajganj, 1066
Shikarpur, 1075
Sialkot, 1072
Sylhet, 1066
Sylhet (Habibganj), 1066
Tippera, 1066
Tippera (Comilla), 1066
Tippera (Paschimgaon), 1066
Pakistan, Inter-Univ. Bd., 1062
Pakistan Univs.—
General Information, 1061-1062
Palæobotany, 333
Palæography and Diplomatic, 66, 103, 148, 209, 242, 314, 346, 350, 429, 485
Palæography, Hebrew, 231
Palæontology, 26, 127, 312, 606, 705, 774, 798
Palæozoology, 66
Pali, 229, 963, 1020, 1055
Panjab Univ., 1069
Panjabi, 974, 978, 987, 1071
Papyrology, 239, 350
Parasitology, 48, 62, 92, 147, 227, 299, 582, 665, 718, 724, 911, 1057, 1083, 1087, 1094

Parasitology, Inst. of, McGill Univ., 619
Parasitology, Molteno Inst., Camb., 62, 92
Parliamentary Grants, 3-4
Parliamentary Representatives, 21, 531
Pathology—
Chemical, 73, 133, 258, 264, 273, 275, 278, 281, 284, 286, 289, 292, 305, 319, 738, 865
Comparative, 614
Experimental, 32, 133, 303, 767
Gynæcological, 31, 133, 319
Neuro-, 50, 133, 292, 319, 320, 715, 779
of Industrial Diseases, 133
Osteo-, 318
Surgical, 133, 155, 320, 403, 598
Pathology, Bland-Sutton Inst., Lond., 268
Pathology, Inst. of, Belfast, 539
Patna Univ., 1029
Patristic Studies, 356
Paurohitya, 953
Pediatrics. *See* Pædiatrics
Persian, 74, 231, 314, 355, 934, 937, 958, 963, 974, 987, 991, 992, 993, 994, 998, 999, 1010, 1015, 1023, 1029, 1030, 1031, 1041, 1048, 1065, 1069, 1070
Perth Tech. Coll., W.A., 819
Petrology, 46, 68, 312, 335, 485
Pharmaceutics. *See* Pharmacology
Pharmacognosy. *See* Pharmacology
Pharmacology, 32, 51, 73, 115, 128, 135, 153, 169, 210, 228, 235, 242, 259, 265, 268, 273, 276, 281, 284, 287, 288, 304, 307, 319, 336, 354, 404, 435, 475, 477, 495, 518, 525, 536, 537, 538, 552, 556, 572, 582, 599, 615, 633, 636, 649, 665, 676, 691, 715, 724, 738, 759, 760, 776, 778, 789, 799, 863, 886, 893, 913, 931, 955, 956, 957, 978, 989, 1003, 1004, 1010, 1011, 1048, 1057, 1069, 1079, 1083, 1087, 1098, 1237, 1248, 1254
Pharmacy. *See* Pharmacology
Pharmacy, Sch. of, Lond., 235
Philology, 68, 148, 170, 208, 243, 350, 447, 470, 487, 506, 757, 771, 798, 963, 1238, 1245
Philology (*contd.*)—
Celtic, 1253
Classical, 243, 604
French, 347
German, 421, 485
Germanic (Teutonic), 421, 485, 880
Romance, 208, 315, 416, 421, 426, 471, 484, 506, 533, 1246
Semitic, 355
Slavonic, 188
Philosophy—
Experimental, 61, 350
Indian, 997
Scholastic, 534
Phonetics. *See* Linguistics
Photogrammetry, 239
Phthisiology. *See* Tuberculosis
Physical Sciences, School of, Canberra, 768
Physical Training. *See* Education, Physical
Physics—
Applied, 519, 712, 786, 941, 963
Electron, 28
Experimental, 47, 68, 111, 149, 209, 799, 870, 1243, 1246, 1251
Mathematical, 27, 68, 433, 472, 534, 580, 942, 1030, 1243, 1246, 1251, 1254
Meteorological, 62
Radiation, 790
Radio-, 69, 963, 989
Radiological, 129, 315, 400
Soil, 71, 1247
Textile, 137, 138
Theoretical, 47, 129, 149, 196, 209, 315, 351
Physiological Nutrition, 473
See also Nutrition
Physiology—
Applied, 29, 150, 299, 315
Cellular, 714
Experimental, 69, 243, 315, 473
Industrial, 490
Lactational, 394
Mammalian, 69
Physiotherapy. *See under* Therapy
Pine Hill Divinity Hall, Halifax, N.S., 584
Plant Biochemistry, 62
Biology, 1234
Biophysics, 124
Breeding, 418, 553, 787, 1247
Chemistry, 237

Plant Genetics, 309, 535, 761
Morphology, 62, 702
Pathology, 198, 304, 496, 513, 535, 553, 619, 702, 756, 761, 796, 872, 884, 903, 1015, 1103, 1247
Physiology, 54, 56, 62, 124, 203, 304, 307, 425, 702, 761, 771, 908, 1103
Regeneration, 763
Science, 553, 635
Plant Physiology, Res. Inst., Imp. Coll., Lond., 203
Plant Physiology, Res. Inst., Pretoria, 888
Plant Quarantine Stn, B.W.I., 1103
Plant Res. Bureau, N.Z., 852
Plastics, 955
Poetry, 347, 351
Chinese, 230
French, 312
Polar Research Inst. *See* Scott Polar Res. Inst.
Polish, 69, 174, 175, 188, 507, 524
Political Science, London School of Economics and, 215
Pomology, 54, 56, 304, 723, 903
Poona Univ., 1033
Population. *See* Demography
Porcelain, 953. *See also* Ceramics
Portuguese, 69, 70, 130, 148, 210, 351, 706
Postgraduate Awards, 1157-1228
Studies, 90, 172, 211, 246, 378, 443, 448, 454, 462, 498, 584, 611, 639, 726, 966, 1038, 1091
Postgraduate Med. Fed., British, Lond., 291
Postgraduate Med. School of London, 294
Potato Research, 338
Potchefstroom Univ. Coll., 890, 892
Poultry. *See under* Husbandry
Prakrit, 992, 993, 1020
Presbyterian Coll., Belfast, 538
Presbyterian Coll., Carmarthen, 412
Presbyterian Coll., Montreal, 620
Pretoria Univ., 853, 879
Preventive Medicine, Lister Inst. of, Lond., 302
Prince of Wales Coll., P.E.I., 584, 620
Printing, 495, 955
Printing Dept., Leeds Coll. of Technol., 139
Procter Internat. Res. Lab., Leeds, 137
Psychiatric Social Work. *See* Mental Diseases
Psychiatry. *See* Mental Diseases
Psychiatry, Allan Mem. Inst. of, McG., 615
Psychiatry, Inst. of, Lond., 294
Psychology, 47, 48, 73, 109, 111, 129, 134, 150, 170, 193, 196, 214, 217, 244, 315, 336, 337, 351, 392, 400, 403, 426, 440, 447, 448, 473, 487, 507, 524, 547, 552, 563, 572, 580, 588, 608, 615, 624, 634, 654, 659, 663, 674, 691, 693, 699, 709, 715, 737, 759, 776, 788, 789, 799, 810, 813, 818, 822, 830, 844, 862, 871, 878, 881, 893, 896, 902, 910, 913, 963, 999, 1009, 1029, 1043, 1048, 1071, 1080, 1246
Educational, 37, 64, 101, 129, 326, 877, 882, 900
Industrial, 69, 217, 507, 1235
Social, 129, 217, 315, 473, 552
Psychology, Experimental, Inst. of, Oxon., 351, 384
Psychology, Inst. of, Ottawa, 668
Psychotherapy. *See under* Therapy
Public Administration, 38, 56, 99, 118, 129, 141, 150, 172, 174, 176, 217, 312, 337, 379, 406, 440, 448, 663, 740, 757, 782, 797, 798, 814, 823, 845, 880, 881, 995, 997, 1241
Affairs, 580
Public Affairs, Inst. of, Dalhousie, 585
Public Finance, 215, 351, 595, 596, 649, 655, 757, 878, 881, 1245
Public Health. *See* Health, Public
Public Health Administration. *See under* Administration
Public Health, All India Inst. of Hygiene and, 964
Public Health, Commonwealth School of, and Tropical Medicine, Sydney, 807
Pulmonary Diseases. *See* Tuberculosis

Quaternary Research, 62
Queen Mary Coll., Lond., 221
Queen's Coll., Birmingham, 98

Queen's Coll., Melbourne, 781
Queen's Coll., St. John's, Newfd., 98
Queen's Theol. Coll., 677
Queen's Univ., The, Belfast. *See* Belfast
Queen's Univ., Kingston, Ont., 671
Queensland Univ., 742, 787

Rabbinics, 74
Race Relations, 908
Rachel McMillan Training Coll., Lond., 184
Radiochemistry, 62, 101
Radiodiagnosis, 49, 50, 56, 134, 154, 256, 284, 476, 491
Radiography, 721, 888
Radiological Physics. *See* Physics, Radiological
Radiology and Electrology, 32, 34, 115, 134, 150, 172, 236, 259, 262, 265, 268, 270, 273, 276, 281, 287, 289, 292, 303, 308, 319, 354, 403, 437, 491, 494, 510, 526, 536, 537, 556, 582, 584, 599, 615, 648, 676, 716, 724, 738, 760, 779, 803, 831, 865, 886, 914, 959, 989, 995, 1003, 1004, 1058, 1083, 1238, 1248
Radiophysics and Electronics, Inst. of, Calcutta, 967
Radiotherapeutics. *See* Radiotherapy
Radiotherapy, 32, 51, 52, 56, 73, 134, 154, 284, 319, 320, 403, 437, 498, 762, 989
Radium Inst., Manchester, 327
Radium Inst., Montreal, 651
Radium Research Lab., Melbourne, 752
Raffles Coll., Singapore, 1084
Railway Traction, 1235
Rajputana Univ., 1036
Rawdon Coll., 139
Reading Univ., 390
Refractories, 136, 141, 402
Regina Coll., Sask., 693
Regina, Theol. Colls., 693
Religion, 48, 344, 355, 455, 595, 619, 626, 643, 663, 682, 687, 1027, 1076, 1094. *See also* Theology
Comparative, 322, 344, 355, 356, 609
Philosophy of, 74, 156, 322, 356, 422, 538, 609, 732, 733, 882
Religions, Eastern, 355
Religious Knowledge. *See* Theology
Dip., 174, 176
Research Awards, 1157-1128
Facilities. *See* General Inf. for each Univ.
Rhetoric, 484, 505
Rheumatism, 134, 318, 490
Rhodes Scholarships, 381
Rhodes Univ. Coll., 890, 895
Richmond Coll., 254
Robert Gordon's Tech. Coll., Aberdeen, 477
Romance Languages, 335, 351, 459, 547, 608, 625, 909, 1251, 1254
Roseworthy Agric. Coll., Adel., 762
Ross Inst. of Trop. Hyg., Lond., 299
Rothamsted Experimental Stn., 305
Roumanian, 188
Rowett Inst., Aberd., 478
Royal Academy of Music, Lond., 305
Royal Cancer Hosp., Lond., 303
Royal Coll. of Dental Surgeons of Ont., 725
Royal Coll. of Music, Lond., 305
Royal Coll. of Nursing, Edinburgh, 498
Royal Coll. of Science, Ireland, 1248
Royal Coll. of Science, Lond., 203
Royal Dental Hosp., Lond., 270
Royal Free Hosp., Lond., 272
Royal Holloway Coll., Lond., 224
Royal Inst. of Gt. Britain, 305
Royal School of Mines, Lond., 203
Royal Tech. Coll., Glasgow, 516
Royal (Dick) Veterinary Coll., Edinburgh, 495
Royal Veterinary Coll., Lond., 227
Royal Victoria Coll., Montreal, 603
Ruskin Coll., Oxon., 385
Russian, 24, 29, 69, 129, 150, 174, 175, 188, 352, 459, 507, 574, 579, 674, 777, 791, 938, 995, 1237
Russian Studies, 188, 315, 507
See also Soviet Studies

Sacred Heart Coll., Sask., 668, 694
Sacred Heart Scholasticate, Sask., 668
St. Aidan's Coll., Birkenhead, 98, 157
St. Aidan's Soc., Durham, 105
St. Andrew's Coll., Oyo, 97
St. Andrew's Coll., Sask., 693
St. Andrew's Coll., Sydney, 805
St. Andrews, Theol. Coll., 520, 528

St. Andrews Univ., 520
St. Anne's Coll., Adelaide, 762
St. Antony's Coll., Oxon., 370
St. Augustine's Coll., Canterbury, 97
St. Bartholomew's Hosp. Med. Coll., Lond., 275
St. Benet's Hall, Oxford, 371
St. Boniface Coll., Manit., 638
St. Chad's Coll., Durham, 104
St. Chad's Coll., Regina, 693
St. Cuthbert's Soc., Durham, 104
St. David's Coll., Lampeter, 463
St. Dunstan's Coll., P.E.I., 682
St. Francis Xavier Univ., 544, 619, 684
St. Gabriel's Coll., Lond., 184
St. George's Coll., Perth, 818
St. George's Hosp. Med. School, Lond., 278
St. Hild's Coll., Durham, 104, 122
St.-Jean Collège, Edmonton, 668
St. Jerome's Coll., Ont., 668
St. John's Coll., Brisbane, 791
St. John's Coll, Durham, 104
St. John's Coll., Sydney, 805
St. John's Coll., Winnipeg, 638
St. John's Hall, Lingfield, 255
St. John's, Newfoundland, Theol. Coll., 98
St. Joseph's Coll., Edmonton, 558
St. Joseph's Univ., 686
S. Katharine's Coll., Lond., 184
St. Leo's Coll., Brisbane, 791
S. Mark and S. John, Coll. of, Lond., 184
St. Mark's Coll., Adelaide, 762
St. Mary's Coll., Durham, 104, 122
St. Mary's Coll., Fenham, 122
St. Mary's Coll., Lond., 184
St. Mary's Coll., St. Andrews, 520, 528
St. Mary's Hosp. Med. School, Lond., 280
St. Michael's Coll., Toronto, 701, 721
St. Patrick's Coll., Maynooth, 1243
St. Paul's Coll., Sydney, 805
St. Paul's Coll., Winnipeg, 638
St. Peter's Coll., Jamaica, 98
St. Peter's Coll., Muenster, 694
St. Peter's Seminary Coll. of Arts, London, Ont., 739
St. Stephen's Coll., Edmonton, 558
St. Thomas Coll., Sask., 668
St. Thomas More Coll., Sask., 693
St. Thomas's Hosp. Med. School, 283
Salisbury Theol. Coll., 98
Sancta Sophia Coll., Sydney, 806
Sanitation, 306, 1238
See also Engineering, Sanitary
Sanskrit, 74, 229, 355, 487, 934, 938, 948, 956, 957, 958, 963, 974, 978, 987, 992, 993, 998, 999, 1000, 1010, 1020, 1023, 1029, 1030, 1031, 1041, 1042, 1047, 1048, 1056, 1065, 1071, 1238
Saskatchewan Univ., 543, 689
Saskatoon, Theol. Colls., 693
Sastri Coll., Natal, 874
Saugar Univ., 1040
Scandinavian Studies, 69, 111, 244
See also separate Langs.
Scholarships. *See separate Univs. also* :—
At American Univs., 1257
Postgrad. and Research, 1157-1228
U.K., 18, 467
School of Oriental and African Studies, Lond., 229
School of Pharmacy, Lond., 235
School of Slavonic and E. European Studies, Lond., 188
Science and Technology, Imp. Coll. of, Lond., 198
Science and Technology, Waltair, Coll. of, 943
Science, Domestic, 45, 54, 122, 169, 213, 477, 547, 551, 571, 619, 634, 635, 643, 654, 656, 687, 690, 706, 720, 722, 723, 740, 829, 845, 876, 880, 892, 938, 967, 1000, 1018, 1041, 1048
Colls. of, 54, 183, 213, 600, 650, 723, 876
History and Philosophy of, 127, 244
Social, 29, 38, 45, 53, 56, 109, 118, 129, 135, 141, 150, 169, 172, 174, 176, 182, 193, 214, 217, 218, 316, 337, 352, 395, 400, 426, 432, 442, 445, 447, 452, 458, 487, 507, 524, 567, 574, 579, 588, 595, 596, 608, 617, 631, 647, 649, 656, 663, 682, 684, 699, 719, 759, 776, 799, 800, 845, 863, 872, 878, 882, 893, 896, 902, 903, 910, 940, 955, 967, 975, 990, 993, 994, 1024, 1029, 1051, 1056, 1098, 1241, 1244, 1251
Social, African, 355

Science (*contd.*)—
Social, Indian, 355
Soil, 353, 474, 565, 625, 635, 692, 723, 762, 848, 851, 872, 876, 883, 1065, 1094, 1102, 1103
See also Agricultural Chemistry
Science, Inst. of, Bombay, 956
Scientific Experiment, Design and Analysis of, 352
Scott Polar Res. Inst., Camb., 92
Scottish Dialect, 471
Scottish Tongue, Older, 471
Scottish Univs., General Information, 464-468
Sculpture, 107, 390, 477, 797, 953
Scunthorpe Tech. School, 405
Secretarial Science. *See* Commerce
Seismology, 774
Seminary Coll., Ottawa, 668
Semitic Studies, 74, 148, 230, 244, 304, 307, 316, 322, 355, 422, 428, 471, 485, 505, 674, 776, 799, 893, 902
See also separate Languages
Serbo Croat, 69, 174, 175
Serology, Forensic, 131
Serology, Human, 318
Sheffield Univ., 205, 397
Sheridan Med. Res. Foundation, Adel., 463
Shipbuilding. *See* Engineering, Marine, *and* Architecture, Naval
Shoreditch Training Coll., Lond., 184
Siamese, 230
Sierra Leone, Theol. Coll., 97
Silicates, 203
Sind Univ., 1075
Sindhi, 975
Singapore, King Edw. VII Coll. of Med., 1084
Singapore, Malaya Univ., 1082
Singapore, Raffles Coll., 1084
Sinhalese, 229, 1056
Sir G. Williams Coll., 697
Sir John Cass Tech. Inst., Lond., 305
Sister Tutors' Dip., 448, 498
Slade School of Fine Art, Lond., 246
Slavonic and E. European Studies, School of, Lond., 188
Slavonic Studies, 70, 337, 380, 507, 574, 634, 691, 710, 737
See also separate Languages
Soap Manufacture, 953, 955, 967
Social Administration. *See* Administration, Social
Soc. and Econ. Res., Inst. of, B.W.I., 1100
Soc. and Econ. Res., Inst. of, Ibadan, 1095
Social Medicine. *See* Medicine, Social
Social Medicine, Inst. of, Oxon., 385
Social Science. *See* Science, Social
Social Sciences, School of, Canberra, 768
Social Studies. *See* Science, Social
Social Work. *See* Science, Social
Sociology. *See* Science, Social
Sociology, School of Econ. and, Bombay, 955
Soil Conservation. *See* Science, Soil
Solar Physics Observatory, Camb., 92
South Africa, Univ. of, 853, 890
South African Coll., 853
South African Inst. for Med. Res., 916
South African Native Coll., Fort Hare, 857
South African Univs.—
General Information, 853-859
South Australian School of Mines and Industries, 762
Southampton Univ. Coll., 457
Southlands Coll., Lond., 184
Soviet Studies, 24, 188, 507
Spanish, 29, 70, 111, 130, 141, 148, 174, 175, 197, 210, 222, 249, 316, 337, 352, 400, 459, 473, 485, 507, 524, 534, 574, 579, 596, 608, 643, 646, 659, 663, 675, 699, 706, 736, 1049, 1237, 1246, 1251
Spectroscopy, 352
Speech Training. *See* Elocution
Spinning, 325
Spoken Language. *See* Elocution
Statistics, 30, 51, 70, 218, 244, 245, 304, 307, 352, 426, 473, 486, 496, 532, 630, 663, 687, 757, 762, 777, 798, 800, 878, 909, 956, 957, 963, 984, 990, 991, 993, 994, 997, 1029, 1042, 1070, 1082, 1235
Economic, 125, 311, 532, 768, 797
Industrial, 25, 401
Mathematical, 89, 128, 149, 314, 400, 433, 523
Overseas Students', 1229-1230
Social, 150

Statistics, Inst. of, Oxon., 352, 384
Stellenbosch Univ., 853, 899
Stockwell Training Coll., Kent, 184
Stomatology, 831
Stratigraphy, 798
Students, Admission of *See* Admission
External—
Australia, 753, 793
London, 168, 173
New Zealand, 826
South Africa, 891
Full-time—
Number of, in U.K., 17
Overseas, Statistics. *See under* Statistics
Sudanic Languages, 231
Sugar Millers' Res. Inst., Durban, 873
Sugar Research and Technology, 1102, 1103, 1106
Sunderland Tech. Coll., 97
Sunderland Training Coll., 122
Surgery, Experimental Methods of, 320, 491
Maxillo-Facial, 404, 914
Neuro-, 31, 52, 116, 320, 404, 476, 490, 556, 613, 760, 831
of Rheumatism, 134
Orthopædic, 320, 321, 404, 476, 583, 738
Plastic, 116, 355, 491, 676, 914
Thoracic, 51, 115, 135, 155, 476, 491, 527
Urological, 321, 491, 556, 557
Surveying, 112, 137, 239, 352, 392, 477, 496, 595, 711, 777, 790, 801, 832, 872, 896, 911, 1106
See also Agricultural Surveying
for Town Planning. *See* Town and Country Planning
Land, 864
Mine, 27, 137
Quantity, 323, 869, 879, 907
Swahili, 231
Swansea Univ. Coll., 411, 431
Swedish, 111, 174, 175, 244, 446, 448
Sydney Tech. Coll., N.S.W., 786
Sydney, Theol. Colls., 805
Sydney Univ., 742, 796
Symbolics, 538
Syriac, 47, 355, 966

Tamil, 229, 948, 998, 999, 1000, 1010, 1042, 1056
Tanning. *See* Leather
Tasmania Univ., 742, 812
Taxation, 581
Taxonomy, 23, 245, 352
Teachers' Training Colls. *See separate Univs.*
Technical Information, Presentation of, 239
Technology, 136, 322, 477, 537, 942, 949, 952, 997, 1004, 1014, 1045, 1070, 1076
Chemical, 537, 538, 869, 955
Concrete, 200
Electrical, 1052
Fish, 471
Food, 1051. *See also* Food
Fuel, 109, 136, 141, 401, 427, 956
Glass, 401
Oil, 201, 1020
Petroleum, 336
Rayon, 137
Telecommunications, 401, 458, 801
Telegraphy. *See* Telecommunications
Telugu, 229, 941, 949, 998, 999, 1010, 1023, 1047
Terms, Dates of—
Australia, 747
Canada, 544
India, 922
New Zealand, 826
South Africa, 857
U.K., 4
Textiles, 107, 137, 138, 141, 324, 518, 537, 538, 634, 958, 998, 1042
See also Chemistry, Physics, Weaving
Theological Colls., 54, 55, 97, 98, 139, 157, 254, 326, 411, 412, 463, 494, 520, 528, 558, 567, 575, 584, 588, 620, 626, 638, 677, 721, 731, 733, 739, 762, 780, 781
See also pages 919-1077
Theology, 29, 34, 38, 54, 64, 74, 89, 99, 103, 109, 130, 169, 171, 174, 175, 176, 254, 322, 337, 355, 356, 422, 423, 442, 446, 460, 463, 474, 476, 483, 503, 512, 521, 538, 547, 563, 588, 599, 609, 626, 646, 668, 674, 675, 678, 721, 731, 733, 832, 882, 893, 895, 902, 934, 952, 1023, 1087, 1091, 1238, 1241, 1243
See also Christian *and* Religion

Therapeutics. *See* Therapy
Therapy, 32, 135, 153, 284, 317, 404, 491, 525, 555, 557, 583, 597, 599, 615, 617, 676, 716, 760, 761, 779, 790, 803, 913, 1057, 1087, 1248, 1252, 1254
Electro-, 527, 1058
Experimental, 319
Occupational, 716, 913
Physio-, 51, 317, 437, 676, 914
Psycho-, 134
X-Ray and Radium, 437, 1011
See also Radiotherapy
Thermodynamics, 71, 334, 352
Thoracic Disease, 284
Tibetan, 74, 230
Tibeto-Burman, 230
Toronto, Theol. Colls., 721
Toronto Univ., 701
Toronto Univ., Institute of Child Studies, 709
Toronto Univ., Institute of Industrial Relations, 709
Town and Country Planning, 99, 112, 118, 146, 170, 245, 309, 797, 891, 916
Toxicology, 30, 153, 435, 581, 648, 1087
Trade Union Studies, 218
Transport, 218, 958, 1235
Travancore, Central Research Inst., 1044
Travancore Univ., 1042
Trinidad, Imp. Coll. of Trop. Agric., 1102
Trinity Coll., Dublin, 1233
Trinity Coll., Melbourne, 780
Trinity Coll. of Music, Lond., 305
Trinity Coll., Univ. of, Toronto, 701, 731
Tropical Agric., Imp. Coll. of, Trinidad, 1102
Tropical Hygiene, Ross Inst. of, Lond., 299
Tropical Medicine, Commonwealth Sch. of Public Health and, Sydney, 807
Tropical Medicine, Liverpool School of, 157
Tropical Medicine and Hygiene, London Sch. of, 299
Tropical Medicine. *See under* Medicine
Truro Agric. Coll., 619
Tuberculosis, 33, 49, 50, 132, 153, 154, 403, 413, 436, 476, 491, 511, 527, 536, 599, 636, 648, 759, 959, 967, 988, 1003, 1011, 1057
See also Chest, Diseases of
Turkish, 102, 231, 355
Typography, 390

Union Coll., Brisbane, 792
Union Coll. of Br. Col., 575
Unitarian Coll., Manchester, 326
United Coll., Winnipeg, 638
United Theol. Coll., Aberyst. and Bala, 411
United Theol. Coll., Montreal, 620
Universities, Association of, xiii
Articles of Assn., xvii
Executive Council, xix, xxxi
Member Instns., xxviii
Memorandum of Assn., xiv
Universities Bureau, S.A., 858
University Coll., Durham, 104
University Coll., London, 236
University Coll Hosp. Dental School, Lond., 288
University Coll. Hosp. Med. School, Lond., 286
University Coll., Ont., 624
University Coll., Tor., 721
University Delegacy for Soc. Training, Oxon., 385
University Extension. *See* Extra-mural Studies
University Grants Committee, 4
University Women's Coll., Melb., 781
Urdu, 230, 934, 938, 949, 966, 974, 987, 991, 993, 994, 998, 1010, 1020, 1023, 1030, 1041, 1065, 1070
Urology, 556, 557, 583, 599, 648, 665, 676, 915
Urology, Inst. of, Lond., 297
Ursuline Coll., Ont., 739
U.S.A., Information Service, Lond., 1256
U.S.A., Inst. of Intern. Educn., 1256
U.S.A., Univs. of, 1256-1258
See also American
U.S.S.R. Studies. *See* Soviet Studies
Utkal Univ., 1047

Vacation Courses. *See under* Holiday
Vaccination, 134, 403, 435, 866, 1011
Vancouver, Theol. Colls., 575

Venereal Diseases, 31, 52, 116, 135, 153, 259, 262, 265, 273, 281, 284, 287, 321, 404, 437, 476, 491, 511, 527, 647, 779, 831, 866, 886, 915, 959, 989, 1005, 1011, 1058, 1080, 1084, 1087
Veterinary Colls., 227, 495, 724, 1004, 1239
Veterinary Res Inst , Melbourne, 782
Veterinary Res. Lab., Onderstepoort, 887
Veterinary Science, 52, 61, 69, 131, 145, 151, 169, 227, 228, 338, 474, 476, 482, 496, 507, 535, 553, 618, 634, 692, 724, 780, 791, 800, 848, 851, 884, 903, 929, 958, 982, 1004, 1025, 1030, 1041, 1056, 1070, 1096, 1098, 1102, 1106, 1108, 1248
Vice-Chancellors, Committee of, U.K., 20
Committee of, Australian, 754
Committee of, South Africa, 857
Victoria Coll., B C., 575
Victoria Univ. Coll., N.Z., 825, 843
Victoria Univ., Manchester. *See* Manchester Univ
Victoria Univ., Toronto, 701, 733
Virus Infections, 717
Viticulture, 903
Vocational Guidance, 627, 904

Waite Inst. for Agric. Res., Adel., 761, 762
Wales, Univ. of, 411
Warburg Inst., London, 190
Warminster Coll., 98
Waterloo Coll., Ont., 739
Wattle Res. Inst., Pietermaritzburg, 873
Weaving, 138, 147, 324, 325
See also Textiles
Wellington Univ. Coll. *See* Victoria Univ. Coll.
Welsh, 145, 417, 422, 428, 432, 463, 1243, 1247
History. *See* History, Welsh
Welsh Nat. School of Med., 411, 435
Wesley Coll., Sydney, 805
Western Australia, Univ. of, 742, 816
Western Coll., Bristol, 54
Western Ontario, Univ. of, 735
Westfield Coll., 249
West Ham Munic. Coll., 305
West Indies, Univ. Coll. of, 1099
Westminster Coll., Lond., 184
Westminster Med. School, 289
West of Scotland Agric. Coll., 512
Whalley Range, Theol. Coll., 326
Wheat Research Inst., N.Z., 848
Whitelands Coll., Lond., 184
Winnipeg, Theol. Colls., 638
Wireless Telegraphy. *See* Telecommunications
Witwatersrand Univ., 853, 907
Women, Admission to Degrees, 3
Women's Colleges, *Gt. B. and I.*—
Cambridge—
Girton, 85
Newnham, 85
Training Coll., 86
Durham—
Neville's Cross, 104
St. Hild's, 104
St. Mary's, 104
Liverpool—
Edge Hill, 157
Mt. Pleasant, 157
London—
Bedford, 191
Furzedown Training Coll., 183, 304
King's Coll. H. Sci., 210, 213
Maria Grey Training Coll., 183, 304
Royal Holloway, 224
Westfield, 249
Oxford—
Lady Margaret Hall, 371
St. Anne's Soc., 373
St. Hilda's, 373
St. Hugh's, 372
Somerville, 372
Overseas, at—
Australia—
Brisbane, 792
Melbourne, 781
Perth, 819
Sydney, 805
Canada—
Halifax, N.S., 585, 656
Montreal, 603, 650
India—
Agra, 928
Amraoti, 1015
Banaras, 952
Bangalore, 1007
Bankipur (Patna), 1030

Women's Colleges, *Overseas, at*—
India (contd.)—
Bikaner, 1036
Bombay, 956
Calcutta, 964, 965
Coimbatore, 1002
Cuttack, 1048
Delhi, 971, 975, 976
Ernakulam, 1001
Guntur, 943, 944
Gwalior, 929
Hyderabad, 1026
Jubbulpore, 1040
Lucknow, 993-994
Madras, 1000
Madura, 1002
Mangalore, 1001, 1004
Meerut, 929
Muzaffarpur, 1031
Mysore, 1007
Nagpur, 1015
Palamcottah, 1001
Rajahmundry, 944
Women's Colleges, *Overseas, at*—
India (contd.)—
Trichinopoly, 1002
Trichur, 1003
Trivandrum, 1043
Tuticorin, 1002
Vellore, 1004
Pakistan—
Karachi, 1075
Lahore, 1070-1072
Lyallpur, 1072
Multan, 1072
Sylhet, 1066
Wool, 137, 138, 848, 851, 883
See also Textiles
Woolwich Polytechnic, 305
Workers' Educational Assn., 19
Wycliffe Coll., Toronto, 701, 721
Wye Coll., Kent, 251

York, Diocesan Training Coll., 139
Youth Service, 56, 340, 433, 456
Yugoslav, 188

PRINTED IN GREAT BRITAIN
BY R. & R. CLARK, LTD., EDINBURGH